NCCAOM®

2008 Job Task Analysis:
A Report to the Acupuncture and Oriental Medicine (AOM) Community

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Background

Established in 1982, the National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM®) is a non-profit organization which operates as a 501(c)6. The organization’s mission is to establish, assess and promote recognized standards of competence and safety in acupuncture and Oriental medicine for the protection and benefit of the public. The NCCAOM is the only national organization that validates entry-level competency in the practice of acupuncture and Oriental medicine (AOM) through professional certification. NCCAOM certification or a passing score on the NCCAOM certification examinations are documentation of competency for licensure as an acupuncturist by 43 states plus the District of Columbia which represents 98% of the states that regulate acupuncture.

All NCCAOM certification programs are currently accredited by the National Commission for Certification Agencies (NCCA). All NCCAOM Certification Programs carry the NCCA seal.

In order for the NCCAOM certification programs in Acupuncture, Chinese Herbology, Oriental Medicine, and Asian Bodywork Therapy to remain accredited by the National Commission for Certifying Agencies (NCCA)¹, the NCCAOM must adhere to strict national standards for examination development. All Diplomate level certification exams must meet examination content validity standards set forth by NCCA.

The first step of the examination development process and an ongoing step in examination item bank maintenance is to conduct a job task analysis (JTA) study also known as a practice analysis. This report describes the rationale, the process and the outcomes of the NCCAOM 2008 Job Task Analysis Study conducted for the purpose of validating examination content for all NCCAOM certification programs.

¹ The National Commission for Certifying Agencies (NCCA) is a separate commission of the Institute for Credentialing Excellence (ICE). Further information on NCCA and ICE can be found at www.credentialingexcellence.org.
Introduction

The foundation of a valid, reliable, and legally defensible professional certification program is first the result of a well-constructed JTA. A JTA establishes the link between tasks, test scores and competencies assessed by the examination and thus the inference that the scores achieved by candidates on the certification examinations are based on valid content; therefore, all “pass” or “fail” decisions correlate to competency assessment (performance) as measured by the examination. The JTA is a process by which certified practitioners are surveyed to gather their perceived importance and frequency of performing a set of job tasks identified by subject-matter experts (SMEs). The Joint Standards for Educational and Psychological Testing (American Educational Research Association (AERA), American Psychological Association (APA), and National Council on Measurement in Education (NCME), 1999) state: “When evidence of validity on test content is presented, the rationale for defining and describing a specific job content domain in a particular way (e.g., elements, knowledge, skills, abilities or other personal characteristics) should be stated clearly” (Standard 14.10). Further, “the content domain to be covered by a credentialing test should be defined clearly and justified in terms of importance of the content for the credential-worthy performance in an occupation or profession. A rationale should be provided to support a claim that the knowledge or skills being assessed are required for credential-worthy performance in an occupation and are consistent with the purpose for which the licensing or certification program was instituted” (Standard 14.14).
NCCAOM Exam Development

In April of 2008 the NCCAOM set out to conduct a JTA, to delineate the competencies necessary for testing candidates for the following entry-level certifications: Diplomate in Acupuncture (Dipl. Ac. (NCCAOM)), Diplomate of Chinese Herbology (Dipl. C.H. (NCCAOM)), Diplomate of Oriental Medicine (Dipl. O.M. (NCCAOM)) and Diplomate of Asian Bodywork Therapy (Dipl. ABT (NCCAOM)).

The NCCAOM conducts JTAs, in order to update the examination content outlines. Content decisions for the examination content outlines are directly linked to the results of the JTA. Best practice in validation of examination content is to perform a JTA a minimum of every five years. The NCCAOM’s previous JTA was conducted in 2003 for the NCCAOM Acupuncture and Chinese Herbology certification programs. It was during that particular JTA that the Oriental Medicine certification program was developed. After the 2003 JTA was presented to the AOM community, NCCAOM created a set of modular examinations for three of the NCCAOM certification programs – Acupuncture (AC), Chinese Herbology (CH) and Oriental Medicine (OM) based on input from key stakeholder groups. A separate Foundations of Oriental medicine (FOM) exam module and a separate Biomedicine (BIO) exam module were introduced in 2004. The FOM modular exam was developed based on content that was previously contained in the NCCAOM Comprehensive Acupuncture exam as well the Comprehensive Chinese Herbology examination and through content validation based on the 2003 JTA. The separation of the foundations of Oriental medicine content into a separate exam module then resulted in the creation of a separate Acupuncture exam module, as well as a separate Chinese Herbology exam module. At that time a separate Point Location (PL) module was also added as a required exam for candidates seeking certification in Acupuncture or Oriental Medicine. It should also be noted that in October of 2007, the PL module was combined with the AC module. This change occurred because of the necessity to improve the reliability of the PL exam, based on the comments received from NCCA during the NCCAOM’s reaccredidation of the Acupuncture Certification Program and the initial accreditation of the Oriental Medicine Program. Since October 2007 all candidates for these certification programs must successfully pass the Acupuncture with Point Location (ACPL) module.

In 2004 a stand-alone JTA was conducted for the Asian Bodywork Therapy (ABT) examination. That exam continues to be administered as a single comprehensive examination. Refer to the
During the 2008 JTA study, NCCAOM SMEs - NCCAOM Diplomates who have expertise and experience as a faculty member or practitioner provided the list of knowledge, skills and abilities (KSAs) statements for the tasks supporting the NCCAOM Acupuncture with Point Location (ACPL), Biomedicine (BIO), Foundations of Oriental Medicine (FOM), Chinese Herbology (CH) and Asian Bodywork Therapy (ABT) content outlines that were currently being used. The 2008 JTA results provide the content validity support and linkage to the examination items (i.e., questions) for all NCCAOM certification exams. Table 1, below, shows the examinations required each NCCAOM certification program.

Table 1: Examinations Required for Each NCCAOM Certification Program

<table>
<thead>
<tr>
<th>Examination</th>
<th>Diplomate of Acupuncture (Dipl. Ac.)</th>
<th>Diplomate of Chinese Herbology (Dipl. C.H.)</th>
<th>Diplomate of Oriental Medicine (Dipl. O.M.)</th>
<th>Diplomate of Asian Bodywork Therapy (Dipl. ABT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Oriental Medicine</td>
<td>v</td>
<td>v</td>
<td>v</td>
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<tr>
<td>Acupuncture with Point Location</td>
<td>v</td>
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</tr>
<tr>
<td>Chinese Herbology</td>
<td></td>
<td>v</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biomedicine</td>
<td>v</td>
<td>v</td>
<td>v</td>
<td></td>
</tr>
<tr>
<td>Asian Bodywork Therapy</td>
<td></td>
<td></td>
<td></td>
<td>v</td>
</tr>
</tbody>
</table>

Historically there have been variations from state to state with respect to scope of practice, such as the extent to which Chinese herbal medicine is regulated. Since the regulatory agencies are a primary stakeholder, their varying needs for certification of entry level competency were taken into consideration by the NCCAOM through the utilization of a modular examination system.

2 The KSA statements are the testable concepts that candidates would need to possess in order to accomplish performance of the job tasks safely and properly.
The current design of modular examinations has been working effectively since 2004 to accomplish the NCCAOM mission of public safety. In its publication *Regulation of Acupuncture: A Complementary Therapy Framework*, the Little Hoover Commission’s consultant concluded by stating on page 52 “…the independent analysis notes that the national examination for medicine uses a phased, modular approach and the “must-pass” modules are particularly useful for matters of health, safety and ethics.” Use of the modular exam format for testing competency ensures that content in multiple domains must be passed by the candidates in order to achieve certification.

During the development of the NCCAOM modular examination format considerable care was given to considering the type of tasks to be included within each of the modules, according to the usual flow of the practitioner-patient interaction; therefore, those tasks of a professional’s preparedness to meet the patient are included in the Biomedicine module which was requested by regulatory agencies to assure professional preparedness and patient safety competency by NCCAOM Diplomates. Those tasks which relate to information gathering, assessment, analysis of findings and diagnosis are included within either the Foundations of Oriental medicine or Biomedicine modules – depending upon whether the tasks are traditional Oriental medicine skills or modern biomedicine skills. It was also decided that the development and execution of a patient’s treatment plan falls within the modules associated with the treatment modalities, i.e., acupuncture, Chinese herbology or Asian bodywork therapy, for which the practitioner is seeking certification. Chart 1, below shows the relationship of the job tasks performed by an acupuncture or Oriental medicine practitioner to the content tested on the NCCAOM examinations.

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Chart 1: Relationship of Job Tasks to the NCCAOM Examination Content

**Biomedicine**

**PROFESSIONAL PREPARATION**
- Ethical Standards
- Universal Safety
- Risk Management
- Confidentiality
- Coding and Billing
- Emergency Management Plan
- Records and Reporting Requirements
- Licensing and Scope of Practice

Patient presents at premise

**GATHER RELEVANT INFORMATION**
- Identifying information
- Current complaint
- Medical history
- Traditional questioning

**ASSESS**
- Looking
- Listening
- Smelling
- Touching

Western medical exam
Integrate results of diagnostic tests

**ANALYZE & DIAGNOSE**
- Determine nature of disorder
- Exact location of disorder
- Extent of damage
- Identify critical problems
- Identify secondary problems
- Determine treatment principle

**TREATMENT**
- Develop Treatment plan
- Deliver treatment
- Educate patient regarding therapy

**EVALUATE TREATMENT**
- Compare to prior assessments
- Make modifications
- Consult about additional areas of concern

**Foundations of Oriental Medicine**

**Acupuncture**

**Chinese Herbology**

**Asian Bodywork Therapy**

Acupuncture
Moxabustion

Chinese Herbology
Dietary Therapy

Asian Bodywork Therapy
Qigong
Once the content outlines (i.e., “test blueprints”) for the certification exams are developed, the next step in developing a defensible examination program is item writing. Examination items are written to match the content outline. Each item must be “linked" to a content area (i.e. domain) listed on a content outline and written based on the supporting KSA statements. Item writers from around the country assist the NCCAOM Examination Development Committee (EDC) members to develop new items for the certification examinations. NCCAOM test development staff members and experienced SMEs train the new item writers on how to write NCCAOM acceptable multiple-choice items. The EDCs are composed of a panel of SMEs, representing practitioners and educators from different regions of the United States and from various practice settings. They meet for the purpose of writing, reviewing, and revising examination items to meet strict content guidelines and test construction standards. The EDC members also select all exam items to be used for testing the competency of the candidates.

Once the exam items are approved by the EDC members, the test development staff enters the item(s) into the appropriate item bank and codes the items according to the content outline specifications. The EDCs meet at least once annually to review the current and new items. Additionally, each question is reviewed for performance statistics (i.e., a psychometric evaluation). NCCAOM contracts with Schroeder Measurement Technologies, Inc. (SMT) to further assist with the development all NCCAOM certification examinations by providing psychometric consulting for all examination development validation studies. SMT also provides scoring for the NCCAOM examinations as well as the psychometric and research support for the 2008 JTA.

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4 Schroeder Measurement Technologies (SMT) is a research company that employs psychometricians to assist certification organizations with their test construction validity, and reliability studies. These consultants also provide scoring for certification examinations. Further information on SMT can be found at [www.smttests.com](http://www.smttests.com).
Design, Administration, Review and Decision Making for Development of the New Content Outlines

Survey Design and Administration

Survey Tasks Questionnaire Development: In November of 2007 the NCCAOM Board of Commissioners appointed a JTA Taskforce consisting of 52 practitioners, educators, researchers and regulators from the AOM community. Refer to Appendix A: NCCAOM 2008 Job Task Analysis Taskforce Members. The JTA Taskforce members developed the survey questionnaire which included the task elements list for each examination. The tasks included in the survey were considered to be a comprehensive list required for each professional certification.

The survey instrument was provided to currently practicing NCCAOM Diplomates in order to inquire about the relative “importance” and “frequency” of performing their different job tasks. A separate questionnaire to gather confidential data regarding the demographic and practice characteristics of the survey respondents was also developed. NCCAOM staff worked with SMT consultants to create the task rating scales. The following two rating scales were used to rate the comprehensive list of task elements for each certification examination.

**Frequency Scale**

*How frequently do you perform this task in your practice?*

1 = Rarely (<10% of Patients)
2 = Sometimes (10-39% of Patients)
3 = Often (40-59% of Patients)
4 = Usually (60-80% of Patients)
5 = Always (> 90% of Patients)

**Importance Scale**

*How important is being competent in this task when considering a practitioner’s safe and effective performance?*

1 = Of No Importance
2 = Of Little Importance
Demographic and Practice Setting Questions Development: In order to provide insight into the respondents' years of experience, geographic location, practice setting and other pertinent information, the survey instrument included a detailed demographic and practice characteristic questionnaire. These survey questions were produced by the NCCAOM taskforce members for the purpose of gathering demographic and professional practice information. See Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections for a copy of the complete questionnaire.

Survey Administration: NCCAOM staff worked with SMT staff to convert the survey instrument into an online survey instrument. During the month of April 2008, email invitations were sent to all active NCCAOM Diplomates requesting their participation in an online survey. The email request was sent to over 18,000 active Diplomates. The email was received and opened by 4,319 Diplomates. A total of 732 Diplomates completed all or some of the individual sections of the questionnaire for an overall response rate of 16.9%. A total of 301 Diplomate respondents indicated that they were certified during the last one to five years.

Results

Profile of Diplomate Respondents

NCCAOM Certifications Held, Type of Practitioner and Current Role: The majority of the Diplomate respondents hold a Dipl. Ac. Certification (57.9%) followed by Dipl. O.M. (23%), and Dipl. Ac. & C.H. (13.8%). Approximately 3% (2.7%) hold a Diplomate of ABT; the remainder of the respondents hold various multiple certifications or a single Dipl. C.H. The Diplomate of O.M. began in 2004; therefore these Diplomates have received their certification within the previous four years. Graph 1, below shows the number of Diplomate respondents by type of NCCAOM certifications held.

When asked "what do you consider yourself to be?" 40.7% listed “Acupuncturist”; 55.9%
“Oriental medicine practitioner”, 0.8% stated “Chinese herbologist”, 0.3% said “Asian bodywork therapist” and 2.3% said “other”. When asked “what is your current role?” 93.8% said “practitioner”, 3.5% “educator”, 0.6% :administrator”, 0.4% funded researcher and 1.6% were currently not practicing AOM.

Graph 1: Demographic Profile of Diplomate Respondents*: NCCAOM Certifications Held

![Graph](image)

Key: * n= 731

** Multiple certifications = Dipl. O.M. & ABT (n=11); Dipl. Ac., C.H. & ABT (n=2)

Dipl. Ac. & ABT (n=4); Dipl. C.H. (n=2)

AOM State Licenses and Other Professional Licenses Held: Ninety-four percent (93.7%) of Diplomate respondents hold one state license as an acupuncturist or AOM practitioner; 6.3% indicate that they hold multiple state licenses. Of the 6.3% who hold multiple state licenses, 20% hold two, 4.2% hold three and 1% hold four.

Seven percent (7.3%) of the Diplomate respondents also hold a massage therapy license,
followed by 5.2% who hold a license as a Registered Nurse. To a lesser extent, licensed Naturopathic Doctors, Chiropractors, Psychologists and Medical Doctors also hold NCCAOM certifications. Other allied health professionals that have gone on to become AOM practitioners include physical therapists, occupational therapists, physician assistants, social workers and medical technologists. See Graph 2 below for more detail on those Diplomates who hold a license to practice in another health profession.

Graph 2: Demographic Profile of Diplomate Respondents: Active Licenses Held In Other Health Professions
**Gender:** Graph 3 below shows the percentage of men and women Diplomate responders. Similar to many other health professions there are a significantly greater number of women (69.7%) compared to (30.3%) men who hold NCCAOM certifications.

**Graph 3: Demographic Profile of Diplomate Respondents: Gender**

![Bar chart showing gender distribution among Diplomate responders]

**Race/Ethnicity:** The percent of Diplomate respondents who are White is 70.4%. This percent is followed by 21.6% Asian and 5.0% other. Refer to Graph 4 below.

**Graph 4: Demographic Profile of Diplomate Respondents: Race/Ethnicity**

![Bar chart showing race/ethnicity distribution among Diplomate responders]
**Highest Academic Degree Held:** The majority of the Diplomate respondents hold a Masters degree. The Masters degree is the minimum degree currently required to graduate from an Accreditation Commission for Acupuncture and Oriental Medicine (ACAOM) accredited program in AOM. Some Diplomates, such as Medical Doctors have entered the AOM profession with their previous degree and thus have earned a higher academic degree. Refer to Graph 5 below for more detail.

**Graph 5: Demographic Profile of Diplomate Respondents: Highest Academic Degree Earned**

![Graph showing academic degrees held by Diplomates](image-url)
**Tradition/Style Taught:** From the graph below it can be seen that the primary tradition (style of practice) taught in the academic programs is traditional Chinese medicine (TCM) at 83.9%. Worsley Five Element theory was indicated 7.2% of the time. Collectively 8.7% of the Diplomates received training in various other traditions which include other traditions. The “other” category includes French, Korean, Japanese, Thai and Vietnamese.

**Graph 6: Demographic Profile of Diplomate Respondents: Primary Tradition/Style of Formal Education**
**Student Loans and Income:** While in their academic program Diplomate respondents indicated that they spent on average about $55,984 for their student loans. Some graduates had loans as much as $100,000 once they graduated. The financial burden resulting from the loan debt of these Diplomates averages $45,891 (mean debt level for all respondents). Average gross income a year is less than $60,000 per year for 70.1% of the Diplomate respondents. Twenty-one percent (21.2%) stated that they earn between $60,000 and $120,000 and 8.7% earn over $121,000 per year. See Graph 7 below for more detail on annual gross income. Pearson Chi-Square analysis revealed that gross annual income was significantly related to hours worked (p<0.0001) and years in practice (p< 0.0001). Of the 301 Diplomates who received their certification within the last five years 80.7% earned less than $60,000, 15% earned between $61,000 and $120,000. The highest earnings group was Diplomates who received their certification within the last 11-15 years. Although men reported overall greater earnings than women, the Pearson Chi-Square analysis (p<1.06) was not significant.

**Graph 7: Demographic Profile of Diplomate Respondents: Gross Annual Income**

![Graph 7](image-url)
Geographic Region of Practice: The next demographic parameter captured was region of the country where the Diplomates' conduct their practice. Forty-six states were represented by the Diplomate survey respondents. Forty-one percent (41.1%) of the Diplomate respondents were from New York, California, Colorado, Washington or Florida. Of the “Far West” states, California has the highest number of Diplomate respondents followed by Washington and then Colorado. In the Northeast region more than 45% of the respondents are licensed and practice in New York, followed by Massachusetts and then Pennsylvania. More than 25% of the Diplomates from the Southern region of the country are from Florida, followed by Maryland and then Virginia. In the Midwest, the state with the most Diplomates is Wisconsin followed by Illinois and then Minnesota. Graph 8 below shows that the majority of the Diplomates practice in the “Far West” states.

Graph 8: Demographic Profile of Diplomate Respondents: Geographic Region of Practice

Key:

**Far West**: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming

**Northeast**: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont

**South Central Atlantic**: Alabama, Delaware, District Of Columbia, Florida, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia
**Practice Setting Location:** As expected, a greater number of Diplomates practice in urban settings. Not surprising, there are a greater number of Diplomates practicing in urban areas (52.4%) compared to suburban (31.3%) or rural (12.8%). Refer to Graph 9 below.

**Graph 9: Demographic Profile of Diplomate Respondents: Location of Practice**
**Primary Practice Settings:** Ninety-one percent (90.7%) of the Diplomates who responded to the JTA survey are self-employed or are in solo practice. However, thirty percent (30.1%) are both self-employed and working for someone else. Graph 10, below shows the primary practice settings for the Diplomates who work in other practice settings as an employee, or contractor. Approximately 58% of the Diplomates who are not exclusively in solo practice, work in either a multidisciplinary group practice with other health care providers or with other AOM practitioners.

**Graph 10: Practice Characteristics of Diplomate Respondents: Primary Practice Setting Other than Solo Practice**

- **Multidisciplinary Group Practice** = practicing with other healthcare providers.
- **AOM Group Practice** = Practicing with other Diplomates.
- **Other** = Patient Homes, Integrated Specialty Practice, Research Facility, Nursing Home, Community Clinic, Health Spa, Drug Detoxification Center, etc.
**Hours Worked Per Week as an AOM Practitioner:** Roughly sixty percent (59.1%) of all Diplomate respondents indicated that they work equal to or less than 30 hours per week as an AOM practitioner while 40.9% indicated they work more than 30 hours per week. It is not known from this survey why so many work part-time; however, some survey respondents indicated that they prefer to work fewer hours, while other indicated that they prefer to work more hours per week. Forty-seven percent (47.3%) prefer to work part-time, while 52.7% prefer to work full-time. This practice characteristic warrants further study to better understand and interpret these findings. In their practice settings 19.2% work less than 10 hours per week. Twenty percent (20.3%) work between 11 and 20 hours per week; another 19.7% work between 21 and 30 hours per week; 22.1% work 31 to 40 hours per week, while 18.6% work greater than 40 hours per week. Refer to Graph 11 below for more detailed information regarding hours worked per week compared to preferred hours of work per week.

**Graph 11: Practice Characteristics of Diplomate Respondents: Hours Worked per Week as an AOM Practitioner Compared to the Preferred Hours of Work per Week**
**Number of New and Returning Patients per Week:** Approximately 91% of the Diplomate respondents see less than 10 new patients per week, while 46.5% see 11 to 30 returning patients per week. Greater detail on the number of new and returning patients can be found in Graph 12 below.

**Graph 12: Practice Characteristics of Diplomate Respondents: Number New Patients per Week as Compared to Number of Return Patients per Week**
**Percent of Time Practicing Different Styles:** The graph below shows the respondents’ time spent practicing different practice styles. Although the majority of the Diplomates spend the majority of their time practicing TCM, it is significant to note that other traditions or styles are learned and practiced after graduation. Many practitioners, therefore, practice more than one tradition or style.

**Graph 13: Diplomate Practice Characteristics: Percentage of Time Practicing Each AOM Style**

![Graph showing the percentage of time spent practicing different styles](image)

**Key:** Other* = auricular, laser, electroacupuncture, color puncture, trigger point therapy etc.

**Mean +/- SEM** = Standard error of the mean.
**Percentage of Time Using Various Treatment Modalities:** Diplomates were asked in the past six months, during a typical workweek, what percentage of time they spent treating patients using different modalities. It appears that Diplomates most frequently (68.2%) provide acupuncture as a treatment modality; however, acupuncture and Chinese herbology treatments are used collectively over 84.3% of the time. Graph 14 below provides more detail on the use of various treatment options.

**Graph 14: Percentage of Time Using Various Treatment Modalities**

- **Acupuncture:** 68.0%
- **Chinese Herbology:** 16.3%
- **Other*:** 11.8%
- **Asian Bodywork Therapy:** 11.8%
- **Dietary Therapy:** 9.4%
- **Tai Chi/Qigong:** 6.8%

*Note: Not all respondents had responses totaling to 100% - interpret with caution.*
Percentage of Patients Presenting with Various Symptoms/Conditions: The next practice characteristic related to presenting symptoms of their patients. The graph below shows clearly that musculoskeletal pain is the most frequent presenting symptom, for which initial treatment is sought, followed by reproductive system disorders. Other conditions appear to be treated by Diplomates with approximately the same frequency.

Graph 15: Diplomate Practice Characteristics: Percentage of Patients Presenting with Various Symptoms/Conditions
**Perceived Preparedness to Practice:** The two graphs that follow show the perceived preparedness to practice AOM when the Diplomates first entered their practice. Graph 16 shows that overall the Diplomates perceive that they were best prepared to use their acupuncture skills followed by preparedness to perform moxabustion, electro-acupuncture, or cupping. Diplomate respondents believe that they are satisfactory prepared overall to perform Chinese herbology and Asian bodywork therapy after graduation. Graph 16, on the other hand shows that Diplomates believe new practitioners their academic program did prepare them as well, overall for other practice related skills such as collaboration with healthcare providers, practice management, marketing, public relations efforts, risk management, and legal or ethical issues. **Note:** These results are based on all Diplomate respondents. Some academic programs do not include course work in Asian Bodywork Therapy.

**Graph 16: Perceived Preparedness to Practice: Acupuncture, Moxabustion / Electroacupuncture / Cupping, Chinese Herbology and Asian Bodywork Therapy**
Continuing Education Earned: The average Diplomate earns 32.38 hours of continuing educations per year +/- 22.35 hours. The NCCAOM requires 60 continuing education units (CEU) or professional development activity points every four years. This outcome indicates that the average Diplomate earns double the required CEUs need for the four-year recertification requirement.

Survey Adequacy and Reliability

Response Adequacy: At the end of each exam subsection of the JTA survey Diplomates were asked to indicate how “adequately” or how “completely” the survey tasks covered important elements for an entry-level practitioner, which was defined as someone in their first two years of practice. All task elements were perceived as adequately or completely reflective of entry-level practice by 94% to 98% of the Diplomate respondents depending upon the specific sub-content area evaluated. Refer to Figures 1-5 below which represent this data and respondent choices. Diplomate respondents were also invited to suggest task elements not included in the list of task elements.
Figure 1: Acupuncture

Survey Adequacy

- Inadequately: 2.2%
- Adequately: 27.3%
- Completely: 70.6%

Figure 2: Biomedicine

Survey Adequacy

- Inadequately: 2.8%
- Adequately: 28.8%
- Completely: 68.4%
Figure 3: Chinese Herbology

Survey Adequacy

- Inadequately: 5.4%
- Adequately: 28.6%
- Completely: 66.0%

Figure 4: Foundations of Oriental Medicine
Survey Adequacy

Inadequately
1.8%

Completely
61.6%

Adequately
36.6%

Response Reliability: Table 2: Summary of Response Validation Parameters, below

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summarizes the number of valid surveys used for the analysis, the standard error and provides two reliability estimates for each sub-section of the survey. Inferences from the AC, BIO, CH, and FOM survey subsections appear to have very minimal error (standard error = SE) due to a stable sample size. The inferences from the Asian Bodywork Therapy (ABT) subsection carry a higher error rate owing to the low sample size; however, the full ABT examination content outline is derived from both the FOM and ABT survey sub-section. Only the “Apply Treatment” domain was derived from the ABT survey sub-section. Noteworthy is the fact that the majority of the task elements for the ABT content outline are derived from the FOM task element list.

Statisticians from SMT additionally calculated reliability estimates to evaluate the amount of error associated with each survey subsection responses to determine amount of agreement among respondents. A statistic known as the alpha coefficient was calculated to provide a measure of the internal consistency of the survey. The estimates are affected by the number of questions and the number of respondents. Alpha coefficients range from “0” to “1”, a value greater than 0.70 is considered adequate. SMT also calculated a second reliability statistic called intra-class correlation to establish reliability estimates for the respondent group raters. Any value above 0.90 is considered good. All examination sub-sections had “good” to “excellent” intra-class rater reliability. Refer to Table 2, below for a summary of all response reliability data.

Table 2: Summary of Response Reliability Parameters*

<table>
<thead>
<tr>
<th>Survey Sub-Section</th>
<th>Survey Respondents</th>
<th>Standard Error</th>
<th>Alpha Reliability Estimate</th>
<th>Intra-Class Rater Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>510</td>
<td>0.04</td>
<td>0.82</td>
<td>0.99</td>
</tr>
<tr>
<td>BIO</td>
<td>392</td>
<td>0.05</td>
<td>0.81</td>
<td>0.99</td>
</tr>
<tr>
<td>CH</td>
<td>353</td>
<td>0.07</td>
<td>0.99</td>
<td>0.94</td>
</tr>
<tr>
<td>FOM</td>
<td>659</td>
<td>0.04</td>
<td>0.98</td>
<td>0.99</td>
</tr>
<tr>
<td>ABT</td>
<td>246</td>
<td>0.16**</td>
<td>0.97</td>
<td>0.90</td>
</tr>
</tbody>
</table>

* Reliability parameters were calculated based on “importance” ratings only.
** Readers of this report should consider the small valid sample size which contributed to a higher SE.
Task and Domain Importance Ratings

Diplomate Respondent Ratings of Tasks and Domains: Results from the Diplomate respondents mean task ratings (based on importance) of each task element as well as the mean weightings of each domain were analyzed. These results were sent to all the JTA Taskforce members for their review a week before each group met. All task elements were sorted by overall mean importance and importance by geographic region, years of experience and primary practice setting. All four mean ratings for each task were used to determine task inclusion/exclusion decisions or assigning of domain weightings. See Appendix C-G: Tasks Elements Sorted by Mean Importance Ratings for: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy. Also provided in these appendices are all mean task ratings by overall importance, geographic region, years of experience and primary practice settings.

To evaluate the importance of each “Domain” toward practice, each Diplomate respondent was also asked “what percentage of the exam items would you assign to each area (i.e., domain) based on its importance?” Refer to Appendix H: Mean Domain Weightings Proposed by Diplomate Respondents for a compilation of all domain weights proposed for each exam content outline.

JTA Taskforce Decisions for Task Exclusions: During the month of June 2008, SMT conducted a series of meetings to review the results for each content area of the JTA with members of the JTA Taskforce. A few days prior to the individual meetings, the taskforce members received a copy of the survey analysis report from SMT. Separate meetings were held to review the results for each examination. The goals of the meetings were to determine criteria for task exclusions, finalize content domain weights, and approve all KSA statements. The taskforce members based their decisions on the following analysis: Mean overall importance rating (Rule 1) for each task, followed by sub-group demographic analysis mean importance by: geographic region; years of experience and type of practice setting (Rule 2). Once the decision criteria for element exclusions were determined and applied, the JTA members and all the EDC members applied their holistic review of these respondent ratings and considered other survey respondents comments as to whether to add or delete any additional tasks to the final list (Rule 3). Refer to Table 2: Number of Tasks Excluded Based on Decision Rules Applied by JTA
Taskforce Members for an accounting of the tasks removed or added based on application of decision Rules 1-3. Table 3: Provides the mean importance rating cut-off value for exclusion of task for each examination sub-section. Tasks were excluded based on the pre-determined cut-off value for mean “overall importance” (Rule 1). The taskforce members applied further exclusion criteria based on the “geographic region”, “years of practice” and “primary practice setting”. A task was eliminated if the mean value fell below the mean cut-off value (see Table 3) in more than one region of the country. Also the mean task rating for years of experience had to meet or exceed the cut-off value for those practicing zero to five years. Finally when applying Rule 2, tasks were eliminated if the mean importance rating for the primary practice setting did not include solo practice since the majority of the practitioners are in solo practice. Refer to Appendices C-G for a list of all mean task ratings: overall, by geographic region, by years of experience and by primary practice setting.
Table 2: Number of Tasks Excluded Based on Decision Rules Applied by JTA Taskforce Members

<table>
<thead>
<tr>
<th>Exam Survey Sub-Sections</th>
<th>Total # of Tasks Rated</th>
<th>Rule 1: Tasks removed based on EDC final review</th>
<th>Rule 2: Tasks removed based on mean importance by: geographic region, years of experience and practice setting</th>
<th>Rule 3A: Tasks removed based on JTA Taskforce members experience in the field, holistic review of respondents’ ratings and survey comments</th>
<th>Rule 3B: Tasks added based on JTA Taskforce members experience in the field, holistic review of respondents’ ratings and survey comments and belief that task(s) importance for the practice of acupuncture</th>
<th>Total # of Tasks Included</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acupuncture</td>
<td>111</td>
<td>(22)</td>
<td>(3)</td>
<td>0</td>
<td>2</td>
<td>(2)</td>
</tr>
<tr>
<td>Biomedicine</td>
<td>57</td>
<td>(25)</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Chinese Herbology Tasks</td>
<td>46</td>
<td>(7)</td>
<td>(3)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Chinese Herbology Formulas</td>
<td>153</td>
<td>(31)</td>
<td>(4)</td>
<td>0</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>Foundations of Oriental Medicine</td>
<td>150</td>
<td>(26)</td>
<td>(1)</td>
<td>0</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Asian Bodywork Therapy</td>
<td>48</td>
<td>(19)</td>
<td>(1)</td>
<td>(7)</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Key
Rule 1 = Tasks eliminated based on overall mean importance.
Rule 2 = Tasks eliminated based on mean importance by: geographic region, years of experience and practice setting.
Rule 3A = Tasks eliminated based on JTA Taskforce members experience in the field, holistic review of respondents’ ratings and survey comments.
Rule 3B = Tasks added based on JTA Taskforce members experience in the field, holistic review of respondents’ ratings and survey comments and belief that task(s) importance for the practice of acupuncture.
JTA Taskforce Decisions on Domain Weightings: The JTA Taskforce members next assigned domain weightings (percentages) for each examination sub-section. The domain weightings relate to the percentages of examination content tested for each examination sub-section. The JTA members first considered the mean domain weightings given by the Diplomate respondents for each exam (See Appendix H: Mean Domain Weightings Proposed by Diplomate Respondents). The JTA members also considered their expertise in the field before assigning the final weightings for each exam content outline.

New Content Outlines: The final step in preparing the new content outlines was for each EDC Committee to consider the decisions from each JTA Taskforce sub-group. During this process the EDC members discovered that there was overlapping content for the Biomedicine and Foundations of Oriental medicine exam content outlines. Therefore, in March 2009, a separate meeting was held between the EDCs and the JTA Taskforce sub-groups assigned to these two examinations to reallocate all the “western medicine” content to the Biomedicine exam content outline. It was also determined at that time that the examination specifications remain the same for all examinations except the biomedicine, which went from a 50-item exam to a 100-item exam beginning January 1, 2010. All EDCs slightly revised or added KSAs to the task lists as needed for further clarity. The final Content Outlines appear in Appendix J.

The new ABT content outline was published in November of 2008 for a May 2009 examination administration. The ABT content outline was derived from the task analysis review from both the

Table 3: Decision Rules: Mean Cut-off Value (= or >)

<table>
<thead>
<tr>
<th>Examination Survey Sub-Sections: Tasks/Formulas</th>
<th>Mean Rating: Tasks/Formulas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acupuncture</td>
<td>2.50</td>
</tr>
<tr>
<td>Biomedicine</td>
<td>3.50</td>
</tr>
<tr>
<td>Chinese Herbology</td>
<td>3.20</td>
</tr>
<tr>
<td>Foundations of Oriental Medicine</td>
<td>3.00</td>
</tr>
<tr>
<td>Asian Bodywork Therapy- FOM</td>
<td>2.65</td>
</tr>
</tbody>
</table>

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Foundations of Oriental Medicine and ABT subsections of the survey. Members of the JTA Taskforce representing Asian bodywork therapy assigned their final domain weightings separately from the members of the FOM. All the other new content outlines were published in April of 2009 for the 2010 examination administrations, following a joint meeting of the Foundations of Oriental Medicine and Biomedicine to move overlapping Western medicine content into the Biomedicine content outline. Table 4 below shows a comparison of the previous content outline domains and the new content outline domains. Appendix 1 provides a list of all tasks and accounting of their inclusions or exclusions based on applying all decision criteria (i.e. rules) and considering the expert opinion of the JTA Taskforce and EDC members.

Table 4: Comparison Grid of the Previous Content Outline Domains and the New Content Outline Domains

<table>
<thead>
<tr>
<th>Acupuncture with Point Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2004-2009 Outline Domain Weighting</strong></td>
</tr>
</tbody>
</table>
| Diagnostic Techniques and Treatment and Planning 33% | **Domain 1:**
Develop a Comprehensive Treatment Plan Using Acupuncture Points Based Upon the Patient’s Identified Syndrome and Pattern Discrimination 40% (includes Point Location images which are 20% of the 40%)
| Treatment 33% | **Domain 2:**
Treatment Techniques and Mode of Administration 20%
| **Domain 3:**
Use of Modalities or Agents 25%
| Treatment Evaluation 14% | **Domain 4:**
Assess Treatment Outcomes and Modify Treatment 15%
| Point Location (images only) 20% | --- included within Develop a Comprehensive Treatment Plan Domain (See Domain 1, above) |
### Biomedicine

<table>
<thead>
<tr>
<th>2002-2009 Outline Domain Weighting</th>
<th>2010 Outline Domain Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Questioning 20%</td>
<td>--- within the Western Medical Assessment domain</td>
</tr>
<tr>
<td>Western Medical Assessment 60%</td>
<td>Domain 1:</td>
</tr>
<tr>
<td></td>
<td>Western Medical Assessment 55%</td>
</tr>
<tr>
<td></td>
<td>Domain 2:</td>
</tr>
<tr>
<td></td>
<td>Pharmaceutical and Supplementations 15%</td>
</tr>
<tr>
<td></td>
<td>Domain 3:</td>
</tr>
<tr>
<td></td>
<td>Safety 15%</td>
</tr>
<tr>
<td>Legal, Professional, and Safety Issues 20%</td>
<td>Domain 4:</td>
</tr>
<tr>
<td></td>
<td>Practice Management 15%</td>
</tr>
<tr>
<td></td>
<td>--- Safety separated out in its own domain</td>
</tr>
</tbody>
</table>

### Chinese Herbology

<table>
<thead>
<tr>
<th>2002-2009 Outline Domain Weighting</th>
<th>2010 Outline Domain Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning and Treatment (Select or formulate treatment strategies based on the diagnosis or evaluation) 65%</td>
<td>Domain 1:</td>
</tr>
<tr>
<td></td>
<td>Herbs, Herbal Formulas and Prescriptions 75%</td>
</tr>
<tr>
<td>Implementation 14%</td>
<td>--- combined in Herbs, Herbal Formulas (Domain 1) evaluation modification of treatment (Domain 2) domains</td>
</tr>
<tr>
<td>Safety 8%</td>
<td>Domain 2:</td>
</tr>
<tr>
<td></td>
<td>Herbal Safety and Professional Preparations 10%</td>
</tr>
<tr>
<td>Treatment Evaluation 13%</td>
<td>Domain 3:</td>
</tr>
<tr>
<td></td>
<td>Evaluation and Modification of Treatment 15%</td>
</tr>
</tbody>
</table>
## Foundations of Oriental Medicine

<table>
<thead>
<tr>
<th>2002-2009 Outline Domain Weightings</th>
<th>2010 Outline Domain Weightings</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Questioning</strong> <em>(Collect relevant information from the patient)</em> 6%</td>
<td>---- moved to Biomedicine</td>
</tr>
</tbody>
</table>
| **Assessment** *(Gather data by using the following diagnostic methods [i.e., look, listen, smell, touch] to treat health problems, promote healthy functioning, and/or enhance good health)* 15% | **Domain 1:**  
Diagnostic Examination – Using traditional Oriental diagnostic methods to determine physiological status and pathologies 25% |
| **Analysis and Diagnosis** *(Analyze/classify the information collected and establish an Oriental medical diagnosis by using traditional Oriental medical theories of physiology and pathology)* 35% | **Domain 2:**  
Assessment and Analysis – Differentiation and Diagnosis 40% |
| **Oriental Medicine Treatment, Planning, Principles and Strategies** 39% | **Domain 3:**  
Treatment Principle, Treatment Strategy, Disease Prevention, and Patient Education 35% |
<p>| <strong>Professional and Safety Issues</strong> <em>(Comply with all professional and ethical standards and professional codes of ethics that apply to practice)</em> 5% | ---- moved to Biomedicine |</p>
<table>
<thead>
<tr>
<th>Asian Bodywork Therapy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Old Outline (prior to 2008)</strong></td>
</tr>
<tr>
<td><strong>Domain Weightings</strong></td>
</tr>
<tr>
<td>Assessment - Gather Data by Using the Four Traditional Methods <strong>32%</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Analysis <strong>23%</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Application <strong>39%</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Legal and Professional <strong>6%</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Conclusions and Implications

General Considerations: The results obtained in the 2008 JTA study provide a sound basis for developing test specifications for all NCCAOM certification examinations. Since the field of AOM is evolving all the time, it is extremely important to continually review and update the content of the examinations. The goal of all current NCCAOM certification exams is to document entry-level competency. This report serves to provide the examination content validity verification for the years 2009 through 2013.

This JTA report additionally serves as a useful resource for AOM community leaders and for policy makers concerned with public safety in the realm of AOM. Some potential uses for validation of these competencies are as follows:

- To track changes in the job tasks performed by professional acupuncturists and practitioners of Oriental medicine, Chinese herbologists and Asian bodywork therapists over time.

- To provide information on competencies to AOM educational institutions as their faculty plan and develop curricula for entry-level and advanced professional training.

- To inform state association leaders and regulators who enter into discussions concerning changes in state regulations and scope of practice.

- To provide the AOM community leaders, federal agencies and the public with a snapshot of current demographic parameters and practice characteristics of Diplomates of Acupuncture, Chinese Herbology, Oriental Medicine and Asian Bodywork Therapy.

Additionally, this document may provide policy makers with information necessary to contrast the depth and breadth of AOM competencies between licensed acupuncturists who hold NCCAOM certification and those health care professionals who desire to practice AOM after an abbreviated training program laid on top of their foundational degree in another health related discipline (e.g. Medical Doctor, Chiropractic Doctor, Naturopathic Doctor).
**Potential Future Research:** The workforce and demographics component of this JTA study provides significant new information concerning the hours worked per week as an AOM practitioner, the percentage of new vs. returning patients and the percentage of time spend using various treatment modalities. Each of these findings offers opportunity for additional research. This JTA document and the work it represents form a solid base for such further research. The findings of this study concerning the range of income produced by AOM practitioners are most influenced by the “number of hours worked per year” although the majority of the Diplomate respondents report earnings of $60,000 per year or less. Further study is needed to determine if those earning $61,000 or more annually have different practice models. It might be discovered that there are levels of the intensity with which practitioners pursue their career, especially since some practitioners indicated that they wish to work fewer hours and others indicated that they wish to work more hours per week.

Although the majority of Diplomates spend their time practicing TCM, the findings suggest that other traditions or styles are learned and practiced after graduation. Academic institutions planning post-graduate curricula may wish to investigate this further. Additionally, curriculum developers in the AOM schools should consider the information gained on perceptions of the Diplomates’ “perceived preparedness” for both their core competencies (i.e., acupuncture therapy, foundations of Oriental medicine, herbology and Asian bodywork therapy) as well as their practice management competencies (marketing, legal, ethics, etc.) the latter of which was ranked across the board lower than the core competency preparation.

The results of this JTA show that most practitioners of AOM are working in solo/private practice. Logically, if 89% of respondents in the JTA are in solo practice, then the NCCAOM examinations content are more weighted toward documenting a candidate’s competence in the private practice setting. In other words, the tasks and the associated knowledge, skills and abilities are those performed predominantly by a solo practitioner in private practice. This finding necessarily shapes the contents of the exam and creates an exam which is useful to state regulators for the purpose of licensing practitioners to work in private practice. There is, however, the situation that AOM can be practiced or utilized in many other settings. Noteworthy is that the NCCAOM Diplomates are working more in other practice settings in 2008 compared
to 2003 when the previous NCCAOM JTA was performed. See the 2003 JTA (in PDF format) on the NCCAOM website.\(^5\)

In the 2003 JTA there was the evidence of how more biomedical tasks were being performed by Diplomates in practice. This resulted in the addition of more exam items in the domain of biomedicine and in fact, the NCCAOM began the Biomedicine exam module to adequately test those competencies. In this JTA, although a few more biomedical tasks found their way into the current task list, it is in the area of Chinese Herbology that we see the greatest shift at this time. There is inclusion of more tasks associated with the proper maintenance and processing of herbs. The Chinese Herbology EDC members continue to find it challenging to reference exam items with acceptable and commonly available texts, just as previously the Biomedicine EDC members had to give considerable attention to proper referencing of biomedical exam items in commonly available texts of the appropriate level of difficulty. We see, in these changes of tasks and KSAs, the evolution of the AOM profession in the United States. Overall, there has been relatively little change in the tasks performed by entry-level practitioners in the last ten years.
## Appendix A: NCCAOM 2008 Job Task Analysis Taskforce Members

<table>
<thead>
<tr>
<th>Volunteers</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vicki Brown</td>
<td>Adam Burke</td>
<td>Nan Cameron</td>
</tr>
<tr>
<td>Michael Casper</td>
<td>Claire Cassidy</td>
<td>Susan Chapman</td>
</tr>
<tr>
<td>Bryn Clark</td>
<td>Ruth Dalphin</td>
<td>Jonathan Daniel</td>
</tr>
<tr>
<td>Weiyi Ding</td>
<td>Barbra Esher</td>
<td>Rylen Feeney</td>
</tr>
<tr>
<td>Rose Foss</td>
<td>Steve Given</td>
<td>Cathy Goldstein</td>
</tr>
<tr>
<td>Kunhye Golec</td>
<td>Jason Hao</td>
<td>Thomas Haines</td>
</tr>
<tr>
<td>Tess Hahn</td>
<td>Ewa Hammer</td>
<td>Yuxin He</td>
</tr>
<tr>
<td>Penny Heisler</td>
<td>Lawrence Howard</td>
<td>Denise Hsu</td>
</tr>
<tr>
<td>Marian Hughes</td>
<td>Anne Jeffres</td>
<td>Daniel Jiao</td>
</tr>
<tr>
<td>John F. Johnston</td>
<td>Yoon Kwon</td>
<td>Kristine LaPoint</td>
</tr>
<tr>
<td>Shaozhi Li</td>
<td>Xiaohai Li</td>
<td>Zhenbo Li</td>
</tr>
<tr>
<td>Shen Ping Liang</td>
<td>Gene London</td>
<td>Joy McIlvaine</td>
</tr>
<tr>
<td>Mark McKenzie</td>
<td>Will Morris</td>
<td>Dennis Moseman</td>
</tr>
<tr>
<td>David Myrick</td>
<td>Lisa Rhodes</td>
<td>Irina Roytman</td>
</tr>
<tr>
<td>Elad Schiff</td>
<td>Xiaotian Shen</td>
<td>Qing-Yao Shi</td>
</tr>
<tr>
<td>Brian Skow</td>
<td>Deborah Smith</td>
<td>Amy Sears</td>
</tr>
<tr>
<td>Greg Sperber</td>
<td>Maria Spuller</td>
<td>Kathy Taromina</td>
</tr>
<tr>
<td>Mercy Yule</td>
<td>Janet Zand</td>
<td></td>
</tr>
<tr>
<td>NCCAOM Staff</td>
<td>SMT Consultants</td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------</td>
<td></td>
</tr>
<tr>
<td>Kory Ward-Cook</td>
<td>Bhaskar Dawahli</td>
<td></td>
</tr>
<tr>
<td>Pam Frommelt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yvonne Saunders</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Demographic Profile Section

### NCCAOM Job Task Analysis Demographic Questions

Please answer the following questions regarding your background, training and practice.

#### 1) What year did you first earn your NCCAOM credential(s)? Indicate year for each credential separately. Answer all that apply

<table>
<thead>
<tr>
<th>Credential</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Dipl. Ac.</td>
<td>Unspecified</td>
</tr>
<tr>
<td>b. Dipl. C.H.</td>
<td>Unspecified</td>
</tr>
<tr>
<td>c. Dipl. A.B.T.</td>
<td>Unspecified</td>
</tr>
<tr>
<td>d. Dipl. O.M.</td>
<td>Unspecified</td>
</tr>
</tbody>
</table>

#### 2) What other active professional credentials (certifications/professional licenses) do you hold? Check all that apply

<table>
<thead>
<tr>
<th>Professional Credential</th>
<th>Certification</th>
<th>License/Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>State License in Massage Therapy</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Registered Nurse (RN)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Medical Doctor (MD)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Doctor of Osteopathic Medicine (DO)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Naturopathic Doctor (ND)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Chiropractic Doctor (DC)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Physical Therapist (PT)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Occupational Therapy (OT)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Physician Assistant (PA)</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Professional</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licensed Psychologist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Licensed Social Worker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Registered Dietitian (RD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter Other Credentials:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 3) List your academic degree(s). Check all that apply

- a) Associates
- b) Bachelor
- c) Masters
- d) Medical Doctor (MD)
- e) Doctor of Osteopathy (DO)
- f) PhD
- g) Not Applicable
- h) Other - List:

#### 4) Which one of the following do you consider yourself to be? Select only one

- a) Professional acupuncturist
- b) Chinese Herbologist
- c) Asian Bodywork Therapist
- d) Practitioner of Oriental Medicine
- e) Primarily involved in another profession (i.e., Massage Therapist, Chiropractor, Medical Doctor, etc.)
## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

5) Which of these best describes your current role in Acupuncture and Oriental Medicine (AOM)?

<table>
<thead>
<tr>
<th>Options</th>
<th>Selected only one</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Practitioner</td>
<td></td>
</tr>
<tr>
<td>b) Funded Researcher</td>
<td></td>
</tr>
<tr>
<td>c) Educator</td>
<td></td>
</tr>
<tr>
<td>d) Administrator</td>
<td></td>
</tr>
<tr>
<td>e) Not currently engaged in the AOM field</td>
<td></td>
</tr>
<tr>
<td>f) Other - List:</td>
<td></td>
</tr>
</tbody>
</table>

6) Indicate the primary style of your formal AOM education.

- Unspecified

7) What sex are you?

- Male
- Female

8) What is your racial/ethnic background?

- Unspecified

9) In what state(s) do you hold an active license pertaining to Acupuncture or Oriental Medicine?

- Unspecified

9a) Enter additional states in which you are licensed.

10) Please provide the state for your primary practice setting.

- Unspecified

11) Which of the following best describes your location?

- Unspecified

12) Please provide the state where you live.

- Unspecified
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>13) Are you currently practicing as an AOM practitioner?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14) If no, what is the primary reason?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) I choose not to work</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) I believe that practicing in the profession presents too much risk and responsibility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) I feel I lack the appropriate skills or knowledge to practice</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) My practice brought insufficient income for my needs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e) My involvement with AOM right now is as an educator/researcher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f) Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15) If working as an AOM practitioner are you self-employed (Private office)?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16) If &quot;Yes&quot; (#15), Is this a solo practice?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17) Are you both self-employed and working for another institution?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18) If not self-employed, indicate your primary practice setting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) Group Practice (Acupuncture or Oriental Medicine)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Group Practice with other health professionals (multidisciplinary)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c) Hospital</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d) Teaching facility (didactic or clinical)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Question</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>e) Research facility, non-academic research facility</td>
<td></td>
</tr>
<tr>
<td>f) Integrated Specialty clinic (such as pain or reproductive, etc.)</td>
<td></td>
</tr>
<tr>
<td>g) Wellness Centers/Spas</td>
<td></td>
</tr>
<tr>
<td>h) Community health/Public health/Hospice work</td>
<td></td>
</tr>
<tr>
<td>i) Patient/home</td>
<td></td>
</tr>
<tr>
<td>j) Other - List:</td>
<td></td>
</tr>
</tbody>
</table>

**19) How many hours per week, during the last 6 months, did you work as an AOM practitioner?**

- None

**20) At this time, how many hours per week would you like to work in the practice of acupuncture and Oriental medicine?**

- None

**21) During the past 6 months, is your typical work week, how many new patient visits did you have per week?**

- Less than 10

**22) During the past 6 months, is your typical work week, how many return patient visits did you have per week?**

- Less than 10

**23) How many new patient visits would you like to have per month?**

- Less than 10

**24) How many return patient visits would you like to have per month?**

- Less than 10

**25) What do you charge for a routine return visit? (Optional)**

- $ [e.g., $10.00]

**26) What is your approximate annual "Gross Income" from your AOM activities?**

- Less than $25,000
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Table Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>In the past 8 months, during your typical work week, please indicate the percentage (%) of time spent treating patients using the following modalities. Total must equal 100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Acupuncture</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>b) Chinese Herbology</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>c) Asian Bodywork Therapy</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>d) Tai Chi-Qigong</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>e) Dietary/Nutritional Therapy</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>f) Other Services (includes billing, marketing, etc)</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>Check Total</td>
<td>TOTAL: □ %</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Table Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>Please indicate the percentage (%) of time spent practicing the following styles, during the last 6 months: Total must equal 100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) TCM</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>b) Japanese</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>c) Korean</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>d) Vietnamese</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>e) French</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>f) Thai</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>g) Worsley Five Element</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>h) List other styles used</td>
<td>□ %</td>
</tr>
<tr>
<td></td>
<td>Check Total</td>
<td>TOTAL: □ %</td>
</tr>
</tbody>
</table>
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>29) Please list the approximate percentage of your patients who present with symptoms generally classified by the following categories:</th>
<th>Total must equal 100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Musculoskeletal pain</td>
<td>%</td>
</tr>
<tr>
<td>b) Headaches</td>
<td>%</td>
</tr>
<tr>
<td>c) Digestive system disorder</td>
<td>%</td>
</tr>
<tr>
<td>d) Respiratory system disorder</td>
<td>%</td>
</tr>
<tr>
<td>e) Allergies/skin disorder</td>
<td>%</td>
</tr>
<tr>
<td>f) Reproductive system disorder</td>
<td>%</td>
</tr>
<tr>
<td>g) Immune/autoimmune disorder</td>
<td>%</td>
</tr>
<tr>
<td>h) Neurological disorder</td>
<td>%</td>
</tr>
<tr>
<td>i) Emotional disorder</td>
<td>%</td>
</tr>
<tr>
<td>j) General wellness complaint</td>
<td>%</td>
</tr>
<tr>
<td>k) Other</td>
<td>%</td>
</tr>
<tr>
<td>Check Total</td>
<td>TOTAL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>30) If you have a preference to treat patients with symptoms from a specific category, please indicate.</th>
<th>Answer all that apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Musculoskeletal pain</td>
<td>☐</td>
</tr>
<tr>
<td>b) Headaches</td>
<td>☐</td>
</tr>
<tr>
<td>c) Digestive system disorder</td>
<td>☐</td>
</tr>
<tr>
<td>d) Respiratory system disorder</td>
<td>☐</td>
</tr>
<tr>
<td>e) Allergies/skin disorder</td>
<td>☐</td>
</tr>
</tbody>
</table>

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

f) Reproductive system disorder

g) Immune/autoimmune disorder

h) Neurological disorder

i) Emotional disorder

j) General wellness complaint

k) Other

31) Did you need to take an educational loan to complete your training in AOMP? (Optional)

   ○ Yes  ○ No

32) If “Yes” (#31), please enter the approximate amount of the loan:

   Amount you still owe:

   $  (eg, $10,000)

33) In the past 12 months how many hours did you spend in professional development?

   a) Taking Continuing Education Courses

   b) Other (e.g., getting an advanced degree, serving on a national/state region board, etc.)

   hours

34) Please indicate, using the following scale for each category listed, how you perceived your training preparation when you entered practice?

   5 = Very well prepared
   4 = Well prepared
   3 = Prepared
   2 = Somewhat prepared
   1 = Poorly prepared

   a) Acupuncture

   Unspecified

   b) Bodywork

   Unspecified

   c) Herbs

   Unspecified

   d) Meridians/Electroacupuncture/Cupping

   Unspecified

   e) Collaboration with other healthcare providers

   Unspecified

   f) Practice management

   Unspecified

   g) Marketing and public relations

   Unspecified

   h) Risk management

   Unspecified

   i) Legal issues/ethical issues

   Unspecified

35) Please indicate your primary reason for recertifying:

   Select only one

   a) Need to maintain my license

   ○

   b) Required by employer

   ○

   c) Required by contact

   ○

   d) Required for insurance coverage

   ○

   e) Peer recognition and credibility

   ○

   f) Other reasons:

   ○
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

Acupuncture Tasks Sub-Section

For Acupuncture Tasks:

This section includes a comprehensive list of tasks in Acupuncture that may be performed by a practitioner. Please rate these tasks using the two rating scales: Frequency and Importance. First, using frequency scale, rate how frequently you perform each task. Then using importance scale, determine how significant the task is in your practice. For each rating scale, select only one number that best reflects your professional judgment.

If there are tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of this section.

<table>
<thead>
<tr>
<th>Frequency Scale - How frequently do you perform this task in your practice?</th>
<th>Importance Scale - How important is being competent in this task when considering a practitioner’s safe and effective performance?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Never/ Rarely (10% of Practitioners)</td>
<td>10. Of No Importance</td>
</tr>
<tr>
<td>Occasionally (50% of Practitioners)</td>
<td>9. Not Important</td>
</tr>
<tr>
<td>Frequently (90% of Practitioners)</td>
<td>8. Moderately Important</td>
</tr>
<tr>
<td>Always (100% of Practitioners)</td>
<td>7. Very Important</td>
</tr>
</tbody>
</table>

**DOMAIN I: DEVELOP A COMPREHENSIVE TREATMENT PLAN USING ACUPUNCTURE POINTS BASED UPON THE PATIENT’S IDENTIFIED IMBALANCES**

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Develop a prescription based on treatment principles which are used to correct imbalances</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☐ ☐ ☐ ☐</td>
</tr>
<tr>
<td>2. Select distal/local points to address affected channels</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☐ ☐ ☐ ☐</td>
</tr>
<tr>
<td>3. Select adjacent points near the affected areas to augment treatment protocol (e.g., local points)</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☐ ☐ ☐ ☐</td>
</tr>
</tbody>
</table>

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4. Select Contralateral points to balance treatment prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5. Select upper body/flower body points to balance treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>prescription</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.6. Select points based on the Muscular Channel Theory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>according to TCM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.7. Utilize Ashi methodologies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.8. Select points along corresponding channels to affect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutaneous regions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.9. Select FrontMu (Alarm) points to address systemic imbalances</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.10. Select BackShu (Associated) points to address systemic imbalances</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.11. Select coupled points by combining FrontMu (Alarm) and BackShu (Associated) points to balance Yin and Yang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.12. Select Lower+Upper Sea (Yin/Yang) points to connect channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with respective Fu/Organ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.13. Select Mother&lt;Son (Four-Needle Technique) points by identifying</td>
<td></td>
<td></td>
</tr>
<tr>
<td>complementary points to address imbalances</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.14. Select from the Eight Influential points to affect related</td>
<td></td>
<td></td>
</tr>
<tr>
<td>anatomical areas and tissues</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.15. Select from the Four Seas points to affect corresponding Qi,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blood, Nourishment and Marrow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.16. Select points to treat causative factor(s) constitution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>according to TCM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.17. Select points to treat causative factor(s) constitution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>according to Western</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.18. Select Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task</th>
<th>Yes</th>
<th>No</th>
<th>Both</th>
<th>Occasionally</th>
<th>Sometimes</th>
<th>Almost Always</th>
<th>Always</th>
<th>Extremely Important</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Five Shu (Transporting) points to treat imbalances of...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>the Five Elements according to Worsley</td>
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<tr>
<td>Select Luo/Connecting points that access divergent channels...</td>
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<tr>
<td>to strengthen internally-externally related channels</td>
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<tr>
<td>Select Yuan/Source (Prime) points to access fundamental Qi for the channel...</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Select appropriate points to treat for AE (Aggressive Energy)...</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>according to TCM</td>
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<td></td>
</tr>
<tr>
<td>Select appropriate points to treat for AE (Aggressive Energy)...</td>
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<td></td>
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<tr>
<td>according to Worsley</td>
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<td></td>
</tr>
<tr>
<td>Select Entry and Exit points according to 12 Channel Theory...</td>
<td></td>
<td></td>
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<tr>
<td>Select Window of the Sky points</td>
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<tr>
<td>Select appropriate points according to Seven Dragons...</td>
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<td></td>
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<tr>
<td>Treatment in the Worsley tradition</td>
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<tr>
<td>Select appropriate points according to 12 Ghool points</td>
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<td></td>
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<tr>
<td>(5 Shu Si Moxi)</td>
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<tr>
<td>Select clinically appropriate Extra points to treat...</td>
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<td></td>
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<tr>
<td>corresponding conditions</td>
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</tr>
<tr>
<td>Select auricular points to treat patient's condition</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Select scalp points to treat patient's condition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select/Develop a treatment strategy using Acupuncture, Cupping...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moxibustion</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select appropriate needles (i.e., filiform needle(s), threedged needle(s), Plum Blossom needle(s), Press needle(s), and intradermal needle(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Removal of needles with correct techniques</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Review of state regulation and law for use of different modalities for acupuncture</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Develop treatment plan using Six Stages theory (e.g., Jueyin, Shuoyin, Taiyang, Shao yang, Yangming, Taiyin)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Develop treatment plan using the Four needle concept (e.g., SanAnYin)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Apply Dongtong (Tang’N), Tien (12x12) to treat the patient</td>
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</tr>
<tr>
<td>Apply the Five Phase/Element points (Control points) to...</td>
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</tr>
<tr>
<td>treat the patient</td>
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</tr>
<tr>
<td>Apply Acupuncture points (Jing Well, Ying Spring, etc.) In...</td>
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</tr>
<tr>
<td>treat the patient</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Utilize Roost and Branch technique to treat the patient</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilize the Zhang Yu model to treat the patient</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilize the Yin and Yang model to treat the patient</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilize the Shang Han Lun model to treat the patient</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Utilize the Qi and Blood model to treat the patient</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utilize meridians and collaterals (Jing Luo) model to...</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>treat the patient</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Frequency Scale** - How frequently do you perform this task in your practice?

**Importance Scale** - How important is it to be competent in this task when considering a practitioner’s safe and effective performance?

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decide correct positioning of the patient</td>
<td></td>
</tr>
<tr>
<td>Insert needles with appropriate angle and depth with:</td>
<td></td>
</tr>
<tr>
<td>Clean/needle technique</td>
<td></td>
</tr>
<tr>
<td>Apply suitable manipulation technique to reinforce or reduce:</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: lifting and thrusting</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: twisting or rotating</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: pinching</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: scraping</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: shaking</td>
<td></td>
</tr>
<tr>
<td>Achieve Arrival of Qi by: trembling</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: lifting and thrusting</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: rotating or twisting</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: rapid and slow inserting and withdrawal of needles</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: keeping the acupuncture hole open or closed</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: means of respiration</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: Setting the Mountain on Fire</td>
<td></td>
</tr>
<tr>
<td>Apply reinforcing and reducing techniques by: Penetrating Heaven Coolness</td>
<td></td>
</tr>
<tr>
<td>Consider anatomy to determine depth, precautions, and</td>
<td></td>
</tr>
</tbody>
</table>
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.01 Treat the patient using: Cupping</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td>2.02 Treat the patient using: Guasha</td>
<td>4.00</td>
<td>3.00</td>
</tr>
<tr>
<td>2.03 Treat the patient using: Laser</td>
<td>2.00</td>
<td>4.00</td>
</tr>
<tr>
<td>2.04 Treat the patient using: Bleeding</td>
<td>4.00</td>
<td>4.00</td>
</tr>
<tr>
<td>2.05 Treat the patient using: Injection Therapy</td>
<td>3.00</td>
<td>4.00</td>
</tr>
<tr>
<td>2.06 Treat the patient using: Gold and Silver needles</td>
<td>3.00</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Frequency Scale - How frequently do you perform this Task in your practice?

Importance Scale - How important is being competent in this Task when considering a practitioner's safe and effective performance?
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

#### III.00 Treat the patient using: Intradermal Needles

#### III.01 Treat the patient using: Iontophoresis

#### III.02 Treat the patient using: Ear balls/seed pellets/wear tack

#### III.03 Treat the patient using: Electro acupuncture (e.g., TENs)

#### III.04 Treat the patient using: Electro stimulator without needle

(e.g., Cutaneous electro nerve stimulator)

#### III.05 Treat the patient by applying electricity using: Micro-current

#### III.06 Treat the patient by applying electricity using: Magnetic

#### III.07 Treat the patient by applying electricity using: VOLL/Vega

(e.g., Ryko Raku)

#### III.08 Treat the patient by applying electricity using: Ion Speaker

#### III.09 Treat the patient by applying electricity using: Auricular

micro system points

#### III.10 Treat the patient by applying electricity using: Scalp

micro system points

---

### Frequency Scale -

How frequently do you perform this Task in your practice?

### Importance Scale -

How important is being competent in this Task when considering a practitioner’s safe and effective performance?

#### DOMAIN IV: ASSESS TREATMENT OUTCOMES AND MODIFY TREATMENT

### Tasks

IV.01 Evaluate the results of treatment by comparing the patient's condition with prior assessment(s) in order to continue, modify or terminate treatment

IV.02 Consult with patient regarding additional areas of concern

IV.03 Assess the effectiveness of treatment by re-examining the patient

IV.04 Ensure clean-needle technique

IV.05 Review progress of patient using physical exam

(e.g., orthopedic, etc.)

IV.06 Review progress of patient using clinical lab work or assessment of signs and symptoms

IV.07 Management of acupuncture related emergencies

(fainting, shock, bleeding, broken needles, stuck needles, diabetic issues, burns, etc.)

IV.08 Assess outcome in order to modify treatment strategy

IV.09 Modify manipulation technique

IV.100 Modification of choice of points

IV.111 Modify points and treatment strategy

---

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>For each of the four major content areas (domains) in the Acupuncture specialty, what percentage of exam items would you assign to each area based on its importance?</th>
<th>This percentage is used to help determine how items will be distributed across the four domains. The sum of the four weightings must be equal to 100.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Develop a Comprehensive Treatment Plan Using Acupuncture Points Based upon the Patient’s identified Imbalances</td>
<td></td>
</tr>
<tr>
<td>2. Treatment Techniques of Modes of Administration</td>
<td></td>
</tr>
<tr>
<td>3. Treating the Patient</td>
<td></td>
</tr>
<tr>
<td>4. Assess Treatment Outcomes and Modify Treatment</td>
<td></td>
</tr>
<tr>
<td>Check Total</td>
<td>*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How well did this survey cover the important tasks in the Acupuncture specialty?</th>
<th>Completely</th>
</tr>
</thead>
<tbody>
<tr>
<td>If you feel the survey covered the Tasks inadequately, please specify why.</td>
<td></td>
</tr>
<tr>
<td>Please list any additional Tasks that you feel have not been covered in this survey (each field is limited to 75 characters)</td>
<td></td>
</tr>
</tbody>
</table>

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Biomedicine Tasks Sub-Section

For Biomedicine Tasks:

This section includes a comprehensive list of tasks in Biomedicine that may be performed by a practitioner. Please rate each Task using the two rating scales: Frequency and Importance. First, using the frequency scale, rate how frequently you perform each Task. Then, using the importance scale, determine how important the task is in your practice. For each rating scale, select only one number that best reflects your professional judgment.

If there are tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the tasks.

### Frequency Scale - Importance Scale

**Frequency Scale** -
How frequently do you perform this task in your practice?

**Importance Scale** -
How important is having competence in this task when considering a practitioner’s safe and effective performance?

### Domain I: Western Medical Assessment

**General Biomedical Intake and Asking Tasks**

1. Perform appropriate portions of a Western medical examination
   - To screen for possible neurological impairment, disease process, or trauma to determine necessity of referral
   - Obtain blood pressure, pulse, temperature, and respiration
   - Vital signs to determine if functional vital signs are affected
   - Perform physical examination as a ‘systems survey’, including:
     - the following: vital signs, complexion and sin, eyes, vision,
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Ortopedic Task</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Auscultate bowel sounds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Auscultate lung and heart sounds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Use stethoscope to listen to the lungs and heart</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Examine various body areas/systems including abdominal, genitourinary, cardiovascular, chest and lungs, breast, ears, eyes, nose and throat (ENT), mental status, lymph, and skin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Evaluate the patient’s location and nature of pain or dysfunction, and the results of physical examination of local tissue changes (temperature, sensitivity, tissue structure, and moisture) to identify pathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Examine the patient’s menstrual/gynecological/obstetric history</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Evaluate the patient’s appetite, thirst, elimination and urination, and sleep pattern to identify organ pathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Measure weight/nutritional status (muscle wasting/diabetes type)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Evaluate the patient’s pallor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Evaluate the patient’s color and temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Evaluate the patient’s comfort</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

#### NEUROLOGICAL TESTS • TASKS Continued

<table>
<thead>
<tr>
<th>Task Description</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluate cognitive function for pathology</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Test dermatomes for sensory nerve involvement</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Test for motor and sensory deficits</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Test balance or coordination for impairment</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Perform evaluation of normal reflexes and recognize the level of neurological impairment indicated by reflex testing (spinal cord, peripheral) to determine necessity of referral</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Perform evaluation of cranial nerves to determine possible neurological impairment to determine necessity of referral</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

#### CLINICAL FINDING, TESTING, IMAGING AND LABORATORY RESULTS • TASKS Continued

<table>
<thead>
<tr>
<th>Task Description</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explain to patients, in meaningful layman’s terms, their medical imaging reports in the context of their illness and to summarize reports in the patient’s medical record</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Integrate clinical findings to form diagnostic impression of the patient’s current health status</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Conduct muscle testing with various techniques (e.g., AK, MRT, NMT, NAEI)</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Use computerized electro dermal screening (EER) to measure meridien imbalance, (e.g., Vot, QSR, Bo Meridian,Avatar, Computation)</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Perform neurologic evaluation using muscle testing</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Perform neurologic evaluation using dermal resistant testing</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Conduct disability evaluation</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Consider the results of commonly used laboratory tests</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Consider imaging (e.g., MR, IV, CT scan, colonoscopy)</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Consider EEG reports</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Consider EKG reports</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

**Frequency Scale -** How frequently do you perform this task in your practice?

**Importance Scale -** How important is being competent in this task when considering a practitioner’s safe and effective performance?

**DOMAIN II: PHARMACEUTICALS AND SUPPLEMENTATIONS**

**Tasks**

II.34. Recognize prescription and nonprescription Western medications that the patient is taking which will have an impact on the diagnosis and treatment of the patient’s condition

II.35. Understand the functions and adverse drug reactions of common pharmaceutical drugs

II.36. Apply knowledge of DrugDrug interactions

II.37. Consult pharmaceutical references (e.g., Physician Reference Desk)

II.38. Administer intravenous therapy

II.39. Prescribe hormones

II.40. Prescribe pharmaceutical drugs other than hormones

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

**For Biomedicine Tasks:**

This section includes a comprehensive list of Tasks in Biomedicine that may be performed by a practitioner. Please rate these Tasks using the two rating scales: Frequency and Importance. First, using frequency scale, rate how frequently you perform each Task. Then, using importance scale, determine how significant the task is in your practice. For each rating scale, select only ONE number that best reflects your professional judgment.

If there are Tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the Tasks.

### Frequency Scale - How frequently do you perform this Task in your practice?

<table>
<thead>
<tr>
<th>Level</th>
<th>1. Never</th>
<th>2. Rarely</th>
<th>3. Sometimes (25-50% of Patients)</th>
<th>4. Freq. (75-100% of Patients)</th>
<th>5. Always (100% of Patients)</th>
</tr>
</thead>
</table>

### Importance Scale - How important is being competent in this Task when considering a practitioner's safe and effective performance?

<table>
<thead>
<tr>
<th>Level</th>
<th>1. CR No Importance</th>
<th>2. CR Little Importance</th>
<th>3. CR Moderately Important</th>
<th>4. CR Very Important</th>
<th>5. Extremely Important</th>
</tr>
</thead>
</table>

### DOMAIN III: SAFETY

**Tasks**

<table>
<thead>
<tr>
<th>Task</th>
<th>Frequency</th>
<th>Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>III.30. Identify medical emergencies and take appropriate actions</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
<tr>
<td>including making referrals</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
<tr>
<td>III.39. Manage emergency situations including:</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
<tr>
<td>III.39 A. Anaphylaxis</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
<tr>
<td>III.39 B. Abuse (drug, alcohol, physical)</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
<tr>
<td>III.39 C. Bleeding</td>
<td><img src="image" alt="Scale" /></td>
<td><img src="image" alt="Scale" /></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>TASK</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>III.39 D. Cardiac arrest (performing CPR)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III.39 E. Fainting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III.39 F. General first aid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III.39 G. Respiratory arrest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III.40. Practice clean needle technique</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III.41. Identify and implement infection control precautions (e.g., universal precautions)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Frequency Scale**
- How frequently do you perform this Task in your practice?

**Importance Scale**
- How important is being competent in this Task when considering a practitioner’s role and effective performance?

**DOMAIN IV: LEGAL, ETHICAL, AND PRACTICE MANAGEMENT ISSUES**

**LEGAL ISSUES • TASKS**
- IV.42. Follow local/state/federal laws/rules, regulations and statutes
- IV.42 A. Occupational Safety & Health Administration (OSHA)
- IV.42 B. Health Insurance Portability and Accountability Act (HIPAA)
- IV.42 C. Knowledge of insurance regulations
- IV.42 D. Reporting requirements (e.g., abuse, disease transmission)
- IV.42 E. Biohazard management
- IV.42 F. Fire and safety

**ETHICAL ISSUES • TASKS**
- IV.43. Apply knowledge of rules and regulations of patient boundaries
- IV.44. Comply with all professional and ethical standards

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### Biomedicine Post - Survey Questionnaire

For each of the four major content areas (domains) in the Biomedicine specialty, what percentage of exam items would you assign to each area based on its importance? This percentage is used to help determine how items will be distributed across the four domains. The sum of the four weightings must be equal to 100.

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Western Medical Assessment</td>
<td>[ ]</td>
</tr>
<tr>
<td>2. Pharmaceuticals and Supplementation</td>
<td>[ ]</td>
</tr>
<tr>
<td>3. Safety</td>
<td>[ ]</td>
</tr>
<tr>
<td>4. Legal, Ethical and Practice Management</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

**Check Total** [ ]

---

How well did the survey cover the important tasks in the Biomedicine specialty? Completely [ ]

If you feel the survey covered the tasks inadequately, please specify why. [ ]

Please list any additional tasks that you feel have not been covered in this survey (each field is limited to 75 characters). [ ]
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

Chinese Herbology Tasks Sub-Section

For Chinese Herbology Tasks:

This section includes a comprehensive list of tasks in Chinese Herbology that may be performed by a practitioner. Please rate these tasks using the two rating scales: Frequency and Importance. First, using frequency scale rate how frequently you perform each Task. Then using importance scale, determine how significant the task is in your practice. For each rating scale, select only ONE number that best reflects your professional judgment.

If there are tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the tasks.

<table>
<thead>
<tr>
<th>Frequency Scale - How frequently do you perform this Task in your practice?</th>
<th>Importance Scale - How important is it being competent in this Task when considering a practitioner's safe and effective performance?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>1. Establish/Maintain a TCM Herbal Pharmacy using raw herbs</td>
<td></td>
</tr>
<tr>
<td>2. Maintain an Herbal Pharmacy using granules and/or powders</td>
<td></td>
</tr>
<tr>
<td>3. Mix/Compound formulas using granules/powders/liquids</td>
<td></td>
</tr>
<tr>
<td>4. Maintain an Herbal Pharmacy using prepared tinctures/liquids</td>
<td></td>
</tr>
<tr>
<td>5. Maintain/Recommend only patent medicines for &quot;simple cases&quot;</td>
<td></td>
</tr>
<tr>
<td>6. Manage inventory of herbal products to assure active turnover</td>
<td></td>
</tr>
</tbody>
</table>

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Percentage of Respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>17. Write Rx (prescription) to be filled elsewhere</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>18. Prepare/compound external herbal formulas</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>(e.g., plasters, liniments)</td>
<td></td>
</tr>
<tr>
<td>19. Process/prepare crude herbs for dispensing</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>(e.g., honeyfied licorice)</td>
<td></td>
</tr>
<tr>
<td>20. Maintain medication profiles of patients including registry</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>of poisons and narcotic and/or controlled drugs</td>
<td></td>
</tr>
<tr>
<td>21. Identify products that are manufactured with GMP standards</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>22. Identify products containing endangered species</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>23. Maintain grinder used to prepare herbal formulas</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>(i.e., clean, etc.)</td>
<td></td>
</tr>
<tr>
<td>24. Maintain bowls used in the preparation of herbal formulas</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>(i.e., clean, etc.)</td>
<td></td>
</tr>
<tr>
<td>25. Maintain scale used in the preparation of herbal formulas</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>(i.e., calibrate)</td>
<td></td>
</tr>
<tr>
<td>26. Request from herb suppliers information concerning heir testing procedures for contaminants</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>27. Monitor stored herbs for mold, infestation or contamination</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>28. Evaluate purchased herbs for quality (e.g., overtly dried, mold, infestation, etc.)</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>29. Monitor herb supply, tinctures and other prepared products for expiration dates</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>30. Separate storage for external use or low dosage herbs from other herbs</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
<tr>
<td>31. Request from whole herb supplier(s) a Certificate of Analysis</td>
<td>〇 〇 〇 〇 〇 〇 〇 〇</td>
</tr>
</tbody>
</table>

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.22. Request from powdered herb supplier(s) a Certificate of Analysis</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.23. Request from pill supplier(s) a Certificate of Analysis</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.24. Identify the quality and medicinal characteristics of herbs</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>(e.g., aroma, flavor, overly dried, correct plant part, preparation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.25. Evaluate botanical identification of herbs</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.26. Maintain record/requests of returns</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.27. Maintain record/requests of discards</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.28. Maintain record/requests of unexpected side effects</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.29. Record dates of sanitizing tools</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.30. Record dates of scale calibration</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>I.31. Maintain record/requests of communications within the dispensary</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
<tr>
<td>(i.e., phone calls, order changes, customer requests)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.32. Maintain procedures manual for dispensary activities</td>
<td>○ ○ ○ ○ ○ ○ ○ ○</td>
<td></td>
</tr>
</tbody>
</table>

**Frequency Scale**
- How frequently do you perform this task in your practice?

**Importance Scale**
- How important is being competent in this task when considering a practitioner is safe and effective performance?

**Domain II: Herbal Prescribing/Writing a Formula (Chu Fang)**

**Tasks**
- I.21. Prescribe and dispense herbs taking into account precautions
  - and contraindications for the patient's condition
- I.22. Explain the contrast between the characteristics of Western

**vs. Chinese medicinal herbs**
- I.23. Prescribe appropriate form if administration of herbal formula
  - preparations for the patient's condition (e.g., decoction, powder, pills, tinctures, external applications)
- I.24. Gauge patient's receptivity and vigor and anticipate patient's
  - reaction to treatment (possible fear or poor compliance)
- I.25. Evaluate and adjust core formula relative to the constitution
  - of the patient (e.g., the current balance between defensive Qi and pathogenic factor, and the state of his/her digestive system)
- I.26. Prescribe/Explain the correct method of decoding the particular
  - combination of herbs in the formula (preliminary decoding, later
  - decoding, wrapped, double boiled, add herb after decoding)

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

**Appendix of Formulas**

<table>
<thead>
<tr>
<th>Formula</th>
<th>Importance</th>
<th>Validity</th>
<th>Education</th>
<th>Experience</th>
<th>Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.27.1: Bai He Dan Tang (Eight Treasure Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.2: Shi Zheng山顶 (Shengjiang Powder for Boiling)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.3: Shao Fu Ju Tang (Juliet Seed Decoction to Promote the Male)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.4: Wei Ju Tang (White Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.5: Wei Yi Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.6: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.7: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.8: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.9: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.10: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rate each of the following Appendix of Formulas in terms of Importance Only**

- 8.27.1: Bai He Dan Tang (Eight Treasure Decoction)
- 8.27.2: Shi Zheng山顶 (Shengjiang Powder for Boiling)
- 8.27.3: Shao Fu Ju Tang (Juliet Seed Decoction to Promote the Male)
- 8.27.4: Wei Ju Tang (White Tiger Decoction)
- 8.27.5: Wei Yi Tang (Wooden Tiger Decoction)
- 8.27.6: Wei Yi Ju Tang (Wooden Tiger Decoction)
- 8.27.7: Wei Yi Ju Tang (Wooden Tiger Decoction)
- 8.27.8: Wei Yi Ju Tang (Wooden Tiger Decoction)
- 8.27.9: Wei Yi Ju Tang (Wooden Tiger Decoction)
- 8.27.10: Wei Yi Ju Tang (Wooden Tiger Decoction)

**Medical Terminology**

<table>
<thead>
<tr>
<th>Medical Term</th>
<th>Importance</th>
<th>Validity</th>
<th>Education</th>
<th>Experience</th>
<th>Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.27.1: Bai He Dan Tang (Eight Treasure Decoction)</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.4: Wei Ju Tang (White Tiger Decoction)</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.8: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.9: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.27.10: Wei Yi Ju Tang (Wooden Tiger Decoction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

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### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

**Frequency Scale -**
How frequently do you perform this Task in your practice?

**Importance Scale -**
How important is being competent in this Task when considering a practitioner's safe and effective performance?

#### DOMAIN III: IMPLEMENTATION, EVALUATION AND MODIFICATION OF TREATMENT

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>III.28. Explain the goals of herbal therapy to the patient and their physician</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.29. Advise patient of potential side effects, precautions and interactions of herbal therapies with prescribed medications, other herbal supplements, and foods (e.g., herb-food, herb-herb, herb-herb interactions)</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.30. Educate patient about the use of herbs in food, nutritional supplements and dietary recommendations during herbal therapy</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.31. Apply external herbal applications</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.32. Evaluate the results of treatment by comparing the patient's condition with prior assessment(s) in order to continue, modify or terminate treatment with herbal formulas</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.33. Consult with patient on additional areas of concern</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
<tr>
<td>III.34. Provide patient with copy of the herbal formula order</td>
<td>☐ ☐ ☐ ☐ ☐</td>
<td>☐ ☑ ☑ ☑ ☐</td>
</tr>
</tbody>
</table>

For each of the four major contemplative domains in the Chinese herbal specialty, what percentage of exam items would you assign to each area based on its importance?

- 1. Professional Preparation and Safety
- 2. Herbal Prescribing/Formula Writing
- 3. Implementation, Evaluation and Modification of Treatment

This percentage is used to help determine how items will be distributed across the three domains. The sum of the three weightings must be equal to 100.

| Check Total | ☐ ☐ ☐ ☐ ☐ |

How well did this survey cover the important tasks in the Chinese herbal specialty? [ ]

If you feel the survey covered the tasks inadequately, please specify why:

Please list any additional tasks that you feel have not been covered in this survey (each field is limited to 75 characters):

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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

Foundations of Oriental Medicine Tasks Sub-Section

This section includes a comprehensive list of Tasks in Foundations of Oriental Medicine that may be performed by a practitioner. Please rate these Tasks using the two rating scales: Frequency and Importance. First, using frequency scale, rate how frequently you perform each Task. Then using importance scale, determine how significant the task is in your practice. For each rating scale, select only ONE number that best reflects your professional judgment.

If there are Tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the Tasks.

### Frequency Scale -
How frequently do you perform the Task in your practice?

<table>
<thead>
<tr>
<th>Frequency Scale</th>
<th>1. Rarely (~10% of time)</th>
<th>2. Sometimes (~25% of time)</th>
<th>3. Often (~50% of time)</th>
<th>4. Always (~75% of time)</th>
</tr>
</thead>
</table>

### Importance Scale -
How important is being competent in this Task when considering a practitioner’s safe and effective performance?

|------------------|---------------------|-----------------|------------------------|------------------|-----------------------|

#### DOMAIN 1: OBTAINING MEDICAL HISTORY AND INFORMED CONSENT

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Obtain patient's identifying information (e.g., name, contact)</td>
<td>O O O O O</td>
<td>O O O O O O</td>
</tr>
<tr>
<td>information, age, sex, marital status, occupation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Obtain patient's written informed consent for treatment</td>
<td>O O O O O</td>
<td>O O O O O O</td>
</tr>
<tr>
<td>3. Obtain patient's health history via patient filling out a form</td>
<td>O O O O O</td>
<td>O O O O O O</td>
</tr>
<tr>
<td>4. Record patient's health history via patient interview</td>
<td>O O O O O</td>
<td>O O O O O O</td>
</tr>
<tr>
<td>5. Obtain patient's family health history via patient filling</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

#### Frequency Scale - How frequently do you perform this task in your practice?

#### Importance Scale - How important is being competent in this task when considering a practitioner’s safe and effective performance?

##### Domain II. Assessment - Using traditional Oriental diagnostic techniques and methods to determine physiological status, pathologies, and patterns of disharmony

<table>
<thead>
<tr>
<th>Tasks</th>
<th>1. Daily (Less than 10%)</th>
<th>2. Sometimes (10-30%)</th>
<th>3. Often (30-60%)</th>
<th>4. Always (60-80%)</th>
<th>5. Mostly (80-100%)</th>
<th>6. Of No Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. 17. Ask about sensations of hot or cold, chills or fever</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 18. Ask about nature, intensity, and location of pain,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>discomfort, or sensations (e.g., numbness or tingling)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 19. Ask about patterns and nature of perspiration or sweating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 20. Ask about secretions and excretions (phlegm, sputum, etc.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 21. Ask about sleep patterns and difficulties</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 22. Ask about preferences and cravings for tastes or flavors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(salty, sour, sweet, pungent, bitter, etc.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 23. Ask about appetite and digestion (e.g., temperature,</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>quantity and timing of meals)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I. 24. Ask about thirst, including temperature and taste</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>preferences of beverages</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>I. 25. Ask about abdominal bloating or distress</td>
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<tr>
<td>I. 26. Ask about bowel elimination (e.g., frequency and</td>
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<tr>
<td>frequency, gassiness, constipation, diarrhea, etc.)</td>
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<tr>
<td>I. 27. Ask about characteristics of stool</td>
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</table>

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>II.28</td>
<td>Ask about urination (e.g., difficulty and frequency)</td>
</tr>
<tr>
<td>II.29</td>
<td>Ask about characteristics of urine</td>
</tr>
<tr>
<td>II.30</td>
<td>Ask about urogenital pain or irregularities</td>
</tr>
<tr>
<td>II.31</td>
<td>For male patients, ask about reproductive functioning (e.g., libido and sexual activity)</td>
</tr>
<tr>
<td>II.32</td>
<td>For female patients, ask about reproductive functioning (e.g., libido and sexual activity, onset, timing, and characteristics of menstruation, gynecological and obstetric history, including birth control methods, pregnancies, and births)</td>
</tr>
<tr>
<td>II.33</td>
<td>For female patients, ask about current pregnancy status</td>
</tr>
<tr>
<td>II.34</td>
<td>Ask about bodily sensations (e.g., heaviness, fatigue, dizziness)</td>
</tr>
<tr>
<td>II.35</td>
<td>Ask about breathing and chest constriction</td>
</tr>
<tr>
<td>II.36</td>
<td>Ask about ears and hearing</td>
</tr>
<tr>
<td>II.37</td>
<td>Ask about tinnitus (ear ringing)</td>
</tr>
<tr>
<td>II.38</td>
<td>Ask about eyes and vision</td>
</tr>
<tr>
<td>II.39</td>
<td>Ask about skin conditions</td>
</tr>
<tr>
<td>II.40</td>
<td>Ask about nose, mouth, throat, and teeth</td>
</tr>
<tr>
<td>II.41</td>
<td>Observe and assess physical characteristics (mood, weight, expression/demeanor, and general behavior) to determine Five Element association and quality of Qi, according to TCM theory and practice</td>
</tr>
<tr>
<td>II.42</td>
<td>Observe and assess physical characteristics (mood, weight, expression/demeanor, and general behavior), according to traditional Chinese medicine (TCM) theory and practice</td>
</tr>
<tr>
<td>II.43</td>
<td>Observe and assess Shen (spirit)</td>
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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

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<tr>
<td>II.44. Observe and assess face</td>
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<td>II.45. Observe and assess complexion and luster</td>
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<td>II.46. Observe and assess eyes</td>
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<tr>
<td>II.47. Observe and assess nose, mouth, and throat</td>
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<td>II.48. Observe and assess teeth</td>
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<td>II.49. Observe and assess tongue (body and coating)</td>
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<td>II.50. Examine and assess skin</td>
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<td>II.51. Examine and assess abdomen</td>
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<td>II.52. Examine and assess head, torso, and limbs</td>
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<td>II.53. Examine and assess characteristics of secretions and excretions (phlegm, spumum, etc.)</td>
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<td>II.54. Examine and assess hair, nails, and hands</td>
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<td>II.55. Listen to and assess tonal qualities and strength of voice</td>
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<tr>
<td>II.56. Listen to and assess respiratory sounds, according to Worsley practice</td>
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<tr>
<td>II.57. Listen to and assess respiratory sounds, according to traditional Chinese medicine (TCM) practice</td>
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<tr>
<td>II.58. Listen to and assess speech (manner, pattern, theme, contents), according to Worsley practice</td>
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<td>II.59. Listen to and assess speech (manner, pattern, theme, contents), according to traditional Chinese medicine (TCM) practice</td>
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<td>II.60. Listen to and assess abdominal sounds</td>
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<td>II.61. Listen to and assess joint sounds</td>
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<td>II.62. Smell and assess general body odor</td>
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<tr>
<td>II.63. Smell and assess breath and mouth odor</td>
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### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Question</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>II.64. Smell and assess odor of secretions and excretions</td>
<td></td>
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<tr>
<td>II.65. Palpate radial pulses, using traditional Chinese medicine (TCM) practice</td>
<td></td>
</tr>
<tr>
<td>II.66. Palpate radial pulses, using Shen/Hammer practice</td>
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<tr>
<td>II.67. Palpate radial pulses, using Worsley practice</td>
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<tr>
<td>II.68. Palpate radial pulses, using other non-Western practices</td>
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<tr>
<td>II.69. Palpate areas of tenderness on body to determine</td>
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<tr>
<td>quality and location of pain or bodily sensations</td>
<td></td>
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<tr>
<td>(e.g., tenderness, sensitivity)</td>
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<tr>
<td>II.70. Palpate abdomen, according to traditional Japanese practice</td>
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<tr>
<td>II.71. Palpate abdomen, according to traditional Chinese medicine (TCM) practice</td>
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<tr>
<td>II.72. Palpate abdomen, according to other non-Western practices</td>
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<tr>
<td>II.73. Palpate joints and examine range of motion, to</td>
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<tr>
<td>identify areas of restricted movement and assess functional integrity</td>
<td></td>
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<tr>
<td>of joints</td>
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<tr>
<td>II.74. Palpate regional pulses (cardial, umbilical, pedal)</td>
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<tr>
<td>II.75. Palpate acupuncture points (e.g., channel, mu, shu)</td>
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<tr>
<td>xi cleft, Ashi, to assess patient's sensation at the points</td>
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<tr>
<td>II.76. Palpate acupuncture points (e.g., channel, mu, shu)</td>
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<tr>
<td>xi cleft, Ashi, to determine energy characteristics of the points</td>
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<tr>
<td>II.77. Palpate the pathway of related meridians</td>
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<tr>
<td>II.78. Assess the flexibility of related meridians through</td>
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<tr>
<td>stretching, range of motion</td>
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</table>
### For Foundations of Oriental Medicine Tasks:

This section includes a comprehensive list of Tasks in Foundations of Oriental Medicine that may be performed by a practitioner. Please rate these Tasks using the ten rating scales: Frequency and Importance. First, using frequency scale, rate how frequently you perform each Task. Then using importance scale, determine how significant the task is in your practice. For each rating scale, select only one number that best reflects your professional judgment.

If there are Tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the Tasks.

<table>
<thead>
<tr>
<th>Frequency Scale</th>
<th>Importance Scale</th>
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<tbody>
<tr>
<td>1</td>
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#### DOMAN III. ANALYSIS AND DIAGNOSIS - Differentiation of Syndromes and Formation of Diagnostic Impression

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
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<tbody>
<tr>
<td>III.79. Perform disease diagnosis</td>
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<tr>
<td>III.80. Perform differential diagnosis</td>
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<tr>
<td>III.81. Determine the primary syndrome or symptom (Zhu Zheng) and establish chief complaint(s)</td>
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<tr>
<td>III.82. Evaluate signs and symptoms relative to Eight Principles</td>
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</table>
### Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>III.83. Evaluate signs and symptoms relative to Yin and Yang</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.84. Evaluate signs and symptoms relative to Excess (Shi) / Deficiency (Xu)</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.85. Evaluate signs and symptoms relative to Five Elements (Five Phases / Wu-Xing)</td>
<td>O</td>
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<tr>
<td>III.86. Evaluate signs and symptoms relative to Organ Theory (ZangFu)</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.87. Evaluate signs and symptoms relative to Essential substances (Qi, Blood/Fluid, Fluid/Arterial Essence/Arterial Spirit/Shen)</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.88. Evaluate signs and symptoms relative to regular and connecting (luo) channels and collaterals</td>
<td>O</td>
<td>O</td>
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<td>III.89. Evaluate signs and symptoms relative to extraordinary channels</td>
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<tr>
<td>III.90. Evaluate signs and symptoms relative to divergent channels</td>
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<tr>
<td>III.91. Determine the affected Zang Fu system</td>
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<tr>
<td>III.92. Determine the causative factor of patient's disease</td>
<td>O</td>
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<tr>
<td>III.93. Assess pathogenic factors, according to Traditional Chinese medicine (TCM) theory and practice</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.94. Use Six Stages-differentiation (Shang Yun Lun) to determine depth of penetration of pathogenic factors</td>
<td>O</td>
<td>O</td>
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<tr>
<td>III.95. Use the Four Levels (Wei, Qi, Ying, Xue) to determine depth and severity of disease</td>
<td>O</td>
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<tr>
<td>III.96. Use traditional Japanese diagnostic methods</td>
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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

### DOMAIN IV. TREATMENT PRINCIPLE

<table>
<thead>
<tr>
<th>Tasks</th>
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<tbody>
<tr>
<td>IV.102. Formulate treatment principle</td>
<td>O</td>
<td>O</td>
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<td>O</td>
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<tr>
<td>IV.103. Use Eight Principles in formulating a treatment principle</td>
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<td>IV.104. Use Five Elements (Five Phases / Wu-Xing) in formulating a</td>
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<td>treatment principle according to Worsley theory</td>
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<td>IV.105. Use Five Elements (Five Phases / Wu-Xing) in formulating a</td>
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<tr>
<td>treatment principle according to traditional Chinese medicine</td>
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<td>IV.106. Evaluate patient's constitutional strength/weakness in</td>
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<tr>
<td>formulating a treatment principle</td>
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<td>IV.107. Use Root and Branch theory in formulating a treatment principle</td>
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<td>IV.108. Use seasonal/environmental factors in formulating a treatment</td>
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Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

### Section IV: Tasks Sub-Sections

#### IV.109. Use time of day or circadian rhythms in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.110. Use Ba Gua in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.111. Use Balance system (Richard Tan) in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.112. Use Master Tong system in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.113. Use Van Ng / Tran system in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.114. Use Jeffrey Yuen teachings in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.115. Use other non-Western systems or styles in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.116. Select an emotional/spiritual focus in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.117. Incorporate impact of patient's use of medications and supplements in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.118. Incorporate impact of patient's substance use, including smoking, alcohol, and recreational drugs, in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.119. Incorporate patient's mental and/or emotional factors and significant life events, in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

#### IV.120. Incorporate patient's living circumstances, and family, social or other support systems, in formulating a treatment principle
- Never
- Occasionally
- Sometimes
- Always

---

### Frequency Scale -
How frequently do you perform this Task in your practice?

#### Importance Scale -
How important is being competent in this Task when considering a practitioner's safe and effective performance?

#### Domain V: Evaluation: Adjustment of Treatment and Record Keeping

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>V.121. Assess and record changes in signs and symptoms</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.122. Evaluate and record results of treatment, and review treatment plan as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.123. Refer patient to other Oriental medicine practitioner, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.124. Refer patient to Western medicine practitioner, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.125. Refer patient to chiropractic practitioner, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.126. Refer patient to other body therapies, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.127. Refer patient to mental health or social services, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.128. Refer patient to substance use treatment, as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.129. Refer patient to other adjunctive therapies (e.g., yoga, meditation, etc.) as indicated</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.130. Keep a written medical record for each patient</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V.131. Record progress notes for each patient</td>
<td>thermostat</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

### Frequency Scale -
How frequently do you perform this Task in your practice?

### Importance Scale -
How important is being competent in this Task when considering a practitioner’s safe and effective performance?

#### DOMAIN VI: PATIENT EDUCATION

**Tasks**

- VI.132. Provide pre-treatment orientation
- VI.133. Provide written follow-up instructions and/or handouts
- VI.134. Explain Oriental medicine theory, as appropriate
- VI.135. Explain the healing process and how it may affect treatment
- VI.136. Describe how body mechanics and ergonomics affect the flow of Qi
- VI.137. Recommend lifestyle changes to restore or promote health
- VI.138. Make dietary recommendations according to Oriental medicine dietary principles
- VI.139. Make dietary recommendations according to Western medicine dietary principles
- VI.140. Make dietary recommendations according to other dietary principles
- VI.141. Recommend topical preparations (e.g., liniments, oils, salves, plasters)
- VI.142. Teach Qi Gong and/or Tai Ji (Tai Chi) techniques
- VI.143. Teach stretching, movement, or exercise techniques
- VI.144. Teach breathing techniques
- VI.145. Teach relaxation or meditation techniques
- VI.146. Teach self-acupressure techniques
- VI.147. Teach self-massage techniques
- VI.148. Teach self-nourishing techniques
- VI.149. Teach other self-help techniques

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## Foundations of Oriental Medicine Post - Survey Questionnaire

For each of the six major content areas (domains) in the Foundations of Oriental Medicine specialty, what percentage of exam items would you assign to each area based on its importance?

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Obtaining Medical History and Informed Consent</td>
<td></td>
</tr>
<tr>
<td>2. Assessment</td>
<td></td>
</tr>
<tr>
<td>3. Analysis and Diagnosis</td>
<td></td>
</tr>
<tr>
<td>4. Treatment Principle</td>
<td></td>
</tr>
<tr>
<td>5. Evaluation/Adjustment of Treatment and Record-Keeping</td>
<td></td>
</tr>
<tr>
<td>6. Patient Education</td>
<td></td>
</tr>
</tbody>
</table>

This percentage is used to help determine how items will be distributed across the four domains. The sum of the four weightings must be equal to 100.

<table>
<thead>
<tr>
<th>Check Total</th>
<th></th>
</tr>
</thead>
</table>

How well did this survey cover the important tasks in the Foundations of Oriental Medicine specialty?

- Completely

If you feel the survey covered the tasks inadequately, please specify why.

<table>
<thead>
<tr>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>
Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

Asian Bodywork Therapy Tasks Sub-Section

**For Asian Bodywork Therapy Tasks:**

This section includes a comprehensive list of Tasks in Asian Bodywork Therapy that may be performed by a practitioner. Please rate these Tasks using the two rating scales: Frequency and Importance. First, using frequency scale, rate how frequently you perform each Task. Then using importance scale, determine how significant the task is in your practice. For each rating scale, select only ONE number that best reflects your professional judgement.

If there are Tasks that you think have been omitted, please list them in the Post-Survey Questionnaire that follows after completion of the Tasks.

<table>
<thead>
<tr>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domain I: Apply Treatment</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Frequency Scale</th>
<th>Importance Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Perform Asian Bodywork Therapy</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
<tr>
<td>2. Perform Shiatzu</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
<tr>
<td>3. Perform Shiatsu Amma Therapy</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
<tr>
<td>4. Perform Integrative Eclectic Shiatsu</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
<tr>
<td>5. Perform Five Element Shiatsu</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
<tr>
<td>6. Perform Macrobiotic Shiatsu</td>
<td>○ ○ ○ ○ ○</td>
<td>○ ○ ○ ○ ○</td>
</tr>
</tbody>
</table>

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## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.7. Perform Zen Shiatsu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.8. Perform Tuina</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.9. Perform Danzen Ryu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.10. Perform Jin Shao Tuina</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.11. Perform Amma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.12. Perform AMMA Therapy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.13. Perform Acupressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.15. Perform Jin Shin Jystu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.16. Perform Thai Bodywork (Naad birol Ram)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.17. Perform Chi Nei Tsang</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.18. Perform Medical Qigong</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.19. Perform another form of Asian Bodywork (Please list your comments in the Asian Bodywork Post-Survey Questionnaire)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.20. Apply pressure on acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.21. Apply oscillating motions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.22. Use-grasping/compressing of meridians and points</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.23. Stroke lightly along the channels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.24. Chaotstroke vigorously to warm the channels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.25. Use-rhythmic striking/percussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.26. Apply finger pressure with pumping movement to stimulate acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.27. Move compression along a channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.28. Use-plucking techniques</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.29. Use-occluding pressure with palm, thumb, or finger</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Appendix B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.30. Apply perpendicular pressure techniques on the meridians</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.31. Apply rhythmic pressure on the meridians</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.32. Hold appropriate Local and Distal point combinations to address the client's condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.33. Hold, stretch, compress or palpate along meridians to address the client's condition</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.34. Perform passive or active joint movement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.35. Use cupping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.36. Perform guasha</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.37. Apply external Chinese herbal preparations (i.e., liniments, salves, oils, and/or plasters)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.38. Apply direct moxibustion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.39. Use indirect moxibustion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.40. Use traditional healing sounds during treatment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.41. Application of Heat/Cold (e.g., TDP lamp, hydrocollator pack, ice pack, heat pad)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.42. Apply auricular acupressure with ear seeds/beads or pellets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.43. Apply essential oils on acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.44. Apply magnets (aka body pellets) to acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.45. Use tuning forks on acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.46. Use electrostimulation on acupoints</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I.47. Use guided imagery/visual representation and/or breathing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>as part of the treatment</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Asian Bodywork Therapy Post - Survey Questionnaire

- **How well did this survey cover the important tasks in the Asian Bodywork Therapy specialty?**
  - [ ] Completely

- **If you feel the survey covered the tasks inadequately, please specify why:**
  - 

- **Please list any additional tasks that you feel have not been covered in this survey (each field is limited to 75 characters):**
  - 

---

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Appendix C– Acupuncture Elements Sorted by Mean Importance

Overall Mean Importance

Note:
1 - A complete description of all the tasks is presented in Appendices B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections
2 - Tasks sorted by importance rating have an "I" behind the task number
### Appendix C– Acupuncture Elements Sorted by Mean Importance

**Acupuncture Elements Sorted by Mean Importance Ratings**

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>N</th>
<th>Mean</th>
<th>Std.Dev</th>
</tr>
</thead>
<tbody>
<tr>
<td>III.97I</td>
<td>Treat the patient by applying electricity using: VOLL/Vega</td>
<td>476</td>
<td>1.82</td>
<td>1.24</td>
</tr>
<tr>
<td>III.98I</td>
<td>Treat the patient by applying electricity using: Ion Sparker</td>
<td>472</td>
<td>1.83</td>
<td>1.24</td>
</tr>
<tr>
<td>II.82I</td>
<td>Apply physical agents such as: diathermy</td>
<td>475</td>
<td>1.90</td>
<td>1.30</td>
</tr>
<tr>
<td>II.83I</td>
<td>Apply physical agents such as: ultrasound</td>
<td>473</td>
<td>1.95</td>
<td>1.36</td>
</tr>
<tr>
<td>II.74I</td>
<td>Apply moxibustion using electrical moxa</td>
<td>472</td>
<td>1.98</td>
<td>1.36</td>
</tr>
<tr>
<td>II.76I</td>
<td>Apply moxibustion using cold moxa patches</td>
<td>474</td>
<td>2.00</td>
<td>1.32</td>
</tr>
<tr>
<td>II.88I</td>
<td>Treating the patient using: Injection Therapy</td>
<td>481</td>
<td>2.01</td>
<td>1.45</td>
</tr>
<tr>
<td>II.66I</td>
<td>Apply moxibustion using Scarring Moxa</td>
<td>476</td>
<td>2.08</td>
<td>1.45</td>
</tr>
<tr>
<td>I.26I</td>
<td>Select appropriate points according to Seven Dragons</td>
<td>475</td>
<td>2.12</td>
<td>1.45</td>
</tr>
<tr>
<td>III.89I</td>
<td>Treat the patient using: Gold and Silver needles</td>
<td>480</td>
<td>2.20</td>
<td>1.34</td>
</tr>
<tr>
<td>III.86I</td>
<td>Treating the patient using: Laser</td>
<td>478</td>
<td>2.24</td>
<td>1.42</td>
</tr>
<tr>
<td>II.72I</td>
<td>Apply moxibustion using moxa oils/sprays</td>
<td>483</td>
<td>2.24</td>
<td>1.37</td>
</tr>
<tr>
<td>III.96I</td>
<td>Treat the patient by applying electricity using: magnetic</td>
<td>482</td>
<td>2.27</td>
<td>1.38</td>
</tr>
<tr>
<td>I.36I</td>
<td>Develop treatment plan using the Four needle concept</td>
<td>476</td>
<td>2.29</td>
<td>1.36</td>
</tr>
<tr>
<td>II.81I</td>
<td>Apply physical agents such as: light</td>
<td>474</td>
<td>2.31</td>
<td>1.43</td>
</tr>
<tr>
<td>I.23I</td>
<td>Select appropriate points to treat for AE - Worsley</td>
<td>478</td>
<td>2.33</td>
<td>1.54</td>
</tr>
<tr>
<td>III.94I</td>
<td>Treat the patient using: Electro stimulator (without needle)</td>
<td>476</td>
<td>2.38</td>
<td>1.44</td>
</tr>
<tr>
<td>II.79I</td>
<td>Apply physical agents such as: cold</td>
<td>474</td>
<td>2.40</td>
<td>1.42</td>
</tr>
<tr>
<td>I.17I</td>
<td>Select points to treat causative factor(s) - Worsley</td>
<td>481</td>
<td>2.43</td>
<td>1.55</td>
</tr>
<tr>
<td>I.19I</td>
<td>Select Five Shu (Transporting) pts.-Five Elements - Worsley</td>
<td>477</td>
<td>2.43</td>
<td>1.52</td>
</tr>
<tr>
<td>III.91I</td>
<td>Treat the patient using: Ion pumping cords</td>
<td>485</td>
<td>2.44</td>
<td>1.45</td>
</tr>
<tr>
<td>III.100I</td>
<td>Treating the patient by applying electricity using: scalp</td>
<td>482</td>
<td>2.45</td>
<td>1.46</td>
</tr>
<tr>
<td>I.37I</td>
<td>Apply Dong’s (Tong’s), Tan’s (12x12) to treat the patient</td>
<td>481</td>
<td>2.50</td>
<td>1.46</td>
</tr>
<tr>
<td>II.61I</td>
<td>Reinforcing/reducing techniques by: penetrating Heaven</td>
<td>482</td>
<td>2.51</td>
<td>1.43</td>
</tr>
<tr>
<td>II.60I</td>
<td>Reinforcing/reducing techniques by: setting the Mountain</td>
<td>485</td>
<td>2.55</td>
<td>1.41</td>
</tr>
<tr>
<td>I.27I</td>
<td>Select appropriate points according to 13 Ghost points</td>
<td>485</td>
<td>2.56</td>
<td>1.40</td>
</tr>
<tr>
<td>II.80I</td>
<td>Apply physical agents such as: sound</td>
<td>477</td>
<td>2.58</td>
<td>1.49</td>
</tr>
<tr>
<td>III.99I</td>
<td>Treat the patient by applying electricity using: Auricular</td>
<td>480</td>
<td>2.60</td>
<td>1.49</td>
</tr>
<tr>
<td>II.70I</td>
<td>Apply moxibustion using moxa box/can</td>
<td>480</td>
<td>2.65</td>
<td>1.46</td>
</tr>
<tr>
<td>II.73I</td>
<td>Apply moxibustion using stick-on moxa</td>
<td>478</td>
<td>2.70</td>
<td>1.40</td>
</tr>
<tr>
<td>I.22I</td>
<td>Select appropriate points to treat for AE- TCM</td>
<td>481</td>
<td>2.78</td>
<td>1.49</td>
</tr>
<tr>
<td>III.90I</td>
<td>Treat the patient using: Intradermal Needles</td>
<td>489</td>
<td>2.81</td>
<td>1.45</td>
</tr>
<tr>
<td>III.95I</td>
<td>Treat the patient by applying electricity using: micro</td>
<td>483</td>
<td>2.84</td>
<td>1.48</td>
</tr>
<tr>
<td>II.75I</td>
<td>Apply moxibustion using smokeless moxa</td>
<td>480</td>
<td>2.91</td>
<td>1.48</td>
</tr>
<tr>
<td>II.54I</td>
<td>Achieve Arrival of Qi by: trembling</td>
<td>487</td>
<td>2.94</td>
<td>1.46</td>
</tr>
<tr>
<td>II.52I</td>
<td>Achieve of Arrival of Qi by: scraping</td>
<td>489</td>
<td>2.96</td>
<td>1.46</td>
</tr>
<tr>
<td>III.87I</td>
<td>Treating the patient using: Bleeding</td>
<td>491</td>
<td>2.97</td>
<td>1.41</td>
</tr>
<tr>
<td>II.71I</td>
<td>Apply moxibustion using navel moxa</td>
<td>481</td>
<td>2.97</td>
<td>1.43</td>
</tr>
<tr>
<td>II.53I</td>
<td>Achieve Arrival of Qi by: shaking</td>
<td>486</td>
<td>2.98</td>
<td>1.46</td>
</tr>
<tr>
<td>II.68I</td>
<td>Apply moxibustion using moxa on medium (e.g., garlic, ..)</td>
<td>483</td>
<td>2.98</td>
<td>1.45</td>
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<tr>
<td>I.38I</td>
<td>Apply the Five Phase/Element points (Control points)</td>
<td>481</td>
<td>2.99</td>
<td>1.38</td>
</tr>
<tr>
<td>I.13I</td>
<td>Select Mother-Son (Four-Needle Technique) points by</td>
<td>490</td>
<td>3.07</td>
<td>1.31</td>
</tr>
</tbody>
</table>
# Appendix C – Acupuncture Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>N</th>
<th>Mean</th>
<th>Std.Dev</th>
</tr>
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<tbody>
<tr>
<td>I.25I</td>
<td>Select Window of the Sky points</td>
<td>486</td>
<td>3.10</td>
<td>1.30</td>
</tr>
<tr>
<td>II.51I</td>
<td>Achieve Arrival of Qi by: plucking</td>
<td>487</td>
<td>3.11</td>
<td>1.46</td>
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<tr>
<td>I.43I</td>
<td>Utilize the Shang Han Lun model to treat the patient</td>
<td>483</td>
<td>3.11</td>
<td>1.41</td>
</tr>
<tr>
<td>I.24I</td>
<td>Select Entry and Exit points according to 12 Channel Theory</td>
<td>490</td>
<td>3.13</td>
<td>1.32</td>
</tr>
<tr>
<td>II.65I</td>
<td>Apply moxibustion using thread moxa (e.g., direct moxa)</td>
<td>479</td>
<td>3.19</td>
<td>1.54</td>
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<tr>
<td>II.69I</td>
<td>Apply moxibustion using moxa on the needle handle</td>
<td>486</td>
<td>3.23</td>
<td>1.39</td>
</tr>
<tr>
<td>IV.106I</td>
<td>Review progress of patient using clinical lab work for</td>
<td>496</td>
<td>3.29</td>
<td>1.43</td>
</tr>
<tr>
<td>III.85I</td>
<td>Treating the patient using: Guasha</td>
<td>493</td>
<td>3.32</td>
<td>1.32</td>
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<tr>
<td>II.59I</td>
<td>Reinforcing/reducing techniques by: means of respiration</td>
<td>487</td>
<td>3.34</td>
<td>1.39</td>
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<tr>
<td>I.6I</td>
<td>Select points based on the Muscular Channel Theory</td>
<td>493</td>
<td>3.35</td>
<td>1.36</td>
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<tr>
<td>I.35I</td>
<td>Develop treatment plan using Six Division theory</td>
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<td>3.36</td>
<td>1.26</td>
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<tr>
<td>I.18I</td>
<td>Select Five Shu (Transporting) points -Five Elements-TCM</td>
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<td>3.40</td>
<td>1.32</td>
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<tr>
<td>I.8I</td>
<td>Select points along corresponding channels to</td>
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<td>3.44</td>
<td>1.28</td>
</tr>
<tr>
<td>III.93I</td>
<td>Treat the patient using: Electro acupuncture (e.g., TENS)</td>
<td>491</td>
<td>3.45</td>
<td>1.40</td>
</tr>
<tr>
<td>I.20I</td>
<td>Select Luo-Connecting points that access divergent</td>
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<td>3.50</td>
<td>1.16</td>
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<tr>
<td>II.67I</td>
<td>Apply indirect moxibustion using stick or pole moxa</td>
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<td>3.52</td>
<td>1.34</td>
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<tr>
<td>II.77I</td>
<td>Apply physical agents such as: Heat</td>
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<td>3.54</td>
<td>1.36</td>
</tr>
<tr>
<td>I.30I</td>
<td>Select scalp points to treat patient’s condition</td>
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<td>3.55</td>
<td>1.20</td>
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<tr>
<td>II.57I</td>
<td>Reinforcing /reducing techniques by: rapid and slow</td>
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<tr>
<td>I.39I</td>
<td>Apply Antique points (Jing Well, Ying, Spring, etc.) to</td>
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<td>3.61</td>
<td>1.20</td>
</tr>
<tr>
<td>I.15I</td>
<td>Select from the Four Seas points to affect corresponding</td>
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<td>1.13</td>
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<tr>
<td>I.11I</td>
<td>Select coupled points by combining Front-Mu (Alarm)</td>
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<td>1.23</td>
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<tr>
<td>III.92I</td>
<td>Treat the patient using: Ear balls/seeds/pellets/ear tacks</td>
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<td>3.65</td>
<td>1.19</td>
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<tr>
<td>II.55I</td>
<td>Reinforcing/reducing techniques by: lifting and thrusting</td>
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<td>3.67</td>
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<tr>
<td>II.58I</td>
<td>Reinforcing/reducing techniques by: keeping the</td>
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<td>3.71</td>
<td>1.35</td>
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<tr>
<td>I.14I</td>
<td>Select from the Eight Influential points to affect related</td>
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<tr>
<td>II.78I</td>
<td>Apply physical agents such as: infrared heat lamp</td>
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<td>1.31</td>
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<tr>
<td>I.40I</td>
<td>Utilize Root and Branch technique to treat the patient</td>
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<td>3.74</td>
<td>1.24</td>
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<tr>
<td>I.12I</td>
<td>Select Lower-He-Sea (Uniting) points to connect channel</td>
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<td>3.77</td>
<td>1.12</td>
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<tr>
<td>III.84I</td>
<td>Treating the patient using: Cupping</td>
<td>498</td>
<td>3.80</td>
<td>1.16</td>
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<tr>
<td>I.45I</td>
<td>Utilize meridians and collaterals (Jing Luo) model to treat</td>
<td>490</td>
<td>3.81</td>
<td>1.19</td>
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<tr>
<td>II.56I</td>
<td>Reinforcing/educing techniques by: rotating or twirling</td>
<td>490</td>
<td>3.87</td>
<td>1.22</td>
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<tr>
<td>II.49I</td>
<td>Achieve Arrival of Qi by: lifting and thrusting</td>
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<td>3.88</td>
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<td>I.16I</td>
<td>Select points to treat causative factor(s) - TCM</td>
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<tr>
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<td>Utilize the Qi and Blood model to treat the patient</td>
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<td>1.16</td>
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<tr>
<td>I.29I</td>
<td>Select auricular points to treat patient’s condition</td>
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<td>3.95</td>
<td>1.09</td>
</tr>
<tr>
<td>II.50I</td>
<td>Achieve Arrival of Qi by: twirling or rotating</td>
<td>492</td>
<td>3.96</td>
<td>1.18</td>
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<tr>
<td>IV.105I</td>
<td>Review progress of patient using physical exam</td>
<td>496</td>
<td>3.97</td>
<td>1.19</td>
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<tr>
<td>I.21I</td>
<td>Select Yuan-Source (Primary) points to access fundamental</td>
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<td>I.28I</td>
<td>Select clinically appropriate Extra points to treat</td>
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<td>I.4I</td>
<td>Select contra lateral points to balance treatment</td>
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<td>Select Front-Mu (Alarm) points to access systemic</td>
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<td>1.03</td>
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<td>Std.Dev</td>
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<tr>
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<td>Utilize the Zang Fu model to treat the patient</td>
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<tr>
<td>I.42I</td>
<td>Utilize the Yin and Yang model to treat the patient</td>
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<td>4.09</td>
<td>1.09</td>
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<tr>
<td>I.7I</td>
<td>Utilize Ashi methodologies</td>
<td>493</td>
<td>4.12</td>
<td>0.99</td>
</tr>
<tr>
<td>I.32I</td>
<td>Decide appropriate needles (i.e., filiform needle(s),...)</td>
<td>494</td>
<td>4.20</td>
<td>1.12</td>
</tr>
<tr>
<td>I.10I</td>
<td>Select Back-Shu (Associated) points to address systemic</td>
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<td>4.21</td>
<td>0.94</td>
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<tr>
<td>I.34I</td>
<td>Review of state regulation and law for use of different</td>
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<td>1.14</td>
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<tr>
<td>I.5I</td>
<td>Select upper body/lower body points to balance treatment</td>
<td>493</td>
<td>4.27</td>
<td>0.92</td>
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<tr>
<td>IV.109I</td>
<td>Modify manipulation of technique</td>
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<td>4.32</td>
<td>1.00</td>
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<tr>
<td>I.31I</td>
<td>Select/Develop a treatment strategy using ACUP,...</td>
<td>494</td>
<td>4.32</td>
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</tr>
<tr>
<td>I.3I</td>
<td>Select adjacent points near the affected areas to augment</td>
<td>496</td>
<td>4.36</td>
<td>0.93</td>
</tr>
<tr>
<td>II.48I</td>
<td>Apply suitable manipulation technique to reinforce/reduce</td>
<td>497</td>
<td>4.37</td>
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<tr>
<td>I.2I</td>
<td>Select distal/proximal points to address affected channels</td>
<td>495</td>
<td>4.54</td>
<td>0.79</td>
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<tr>
<td>I.33I</td>
<td>Removal of needles with correct techniques</td>
<td>494</td>
<td>4.56</td>
<td>0.84</td>
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<tr>
<td>II.64I</td>
<td>Identify correct point location (e.g., anatomical,...)</td>
<td>489</td>
<td>4.66</td>
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<tr>
<td>IV.107I</td>
<td>Management of acupuncture related emergencies</td>
<td>498</td>
<td>4.67</td>
<td>0.79</td>
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<tr>
<td>IV.111I</td>
<td>Modify points with treatment strategy</td>
<td>499</td>
<td>4.68</td>
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<tr>
<td>IV.110I</td>
<td>Modify duration and frequency of treatment</td>
<td>501</td>
<td>4.68</td>
<td>0.59</td>
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<tr>
<td>I.1I</td>
<td>Develop a prescription based on treatment principles</td>
<td>497</td>
<td>4.72</td>
<td>0.58</td>
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<tr>
<td>IV.103I</td>
<td>Assess the effectiveness of treatment by re-examining</td>
<td>501</td>
<td>4.73</td>
<td>0.54</td>
</tr>
<tr>
<td>II.46I</td>
<td>Decide correct positioning of the patient</td>
<td>495</td>
<td>4.73</td>
<td>0.58</td>
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<tr>
<td>IV.108I</td>
<td>Assess outcome in order to modify treatment strategy</td>
<td>493</td>
<td>4.74</td>
<td>0.56</td>
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<tr>
<td>II.63I</td>
<td>Consider precautions related to treatment with modalities</td>
<td>494</td>
<td>4.75</td>
<td>0.65</td>
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<tr>
<td>IV.102I</td>
<td>Consult with patient regarding additional areas of concern</td>
<td>497</td>
<td>4.76</td>
<td>0.51</td>
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<tr>
<td>IV.101I</td>
<td>Evaluate the results of treatment by comparing the</td>
<td>501</td>
<td>4.80</td>
<td>0.49</td>
</tr>
<tr>
<td>II.62I</td>
<td>Consider anatomy to determine depth, precautions,</td>
<td>490</td>
<td>4.80</td>
<td>0.62</td>
</tr>
<tr>
<td>IV.104I</td>
<td>Ensure Clean needle technique</td>
<td>499</td>
<td>4.81</td>
<td>0.59</td>
</tr>
<tr>
<td>II.47I</td>
<td>Insert needles - correct angle - Clean Needle technique</td>
<td>494</td>
<td>4.84</td>
<td>0.46</td>
</tr>
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</table>
## Mean Importance by Geographic Region

### Appendix C– Acupuncture Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South</th>
<th>West</th>
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<tbody>
<tr>
<td>I.11</td>
<td>Develop a prescription based on treatment principles</td>
<td>4.70 116</td>
<td>4.71 79</td>
<td>4.79 112</td>
<td>4.71 169</td>
</tr>
<tr>
<td>I.12</td>
<td>Select distal/proximal points to address affected channels</td>
<td>4.69 114</td>
<td>4.54 79</td>
<td>4.48 111</td>
<td>4.49 169</td>
</tr>
<tr>
<td>I.13</td>
<td>Select adjacent points near the affected areas to augment</td>
<td>4.47 116</td>
<td>4.20 79</td>
<td>4.41 112</td>
<td>4.33 167</td>
</tr>
<tr>
<td>I.14</td>
<td>Select contra lateral points to balance treatment</td>
<td>4.10 114</td>
<td>3.99 78</td>
<td>3.78 112</td>
<td>4.08 168</td>
</tr>
<tr>
<td>I.15</td>
<td>Select upper body/lower body points to balance treatment</td>
<td>4.46 116</td>
<td>4.12 78</td>
<td>4.24 111</td>
<td>4.25 167</td>
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<tr>
<td>I.16</td>
<td>Select points based on the Muscular Channel Theory</td>
<td>3.50 116</td>
<td>3.32 78</td>
<td>3.19 111</td>
<td>3.32 167</td>
</tr>
<tr>
<td>I.17</td>
<td>Utilize Ashi methodologies</td>
<td>4.16 115</td>
<td>4.09 77</td>
<td>4.07 111</td>
<td>4.15 169</td>
</tr>
<tr>
<td>I.18</td>
<td>Select points along corresponding channels to</td>
<td>3.55 114</td>
<td>3.32 78</td>
<td>3.41 111</td>
<td>3.37 166</td>
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<tr>
<td>I.19</td>
<td>Select Front-Mu (Alarm) points to access systemic</td>
<td>4.15 116</td>
<td>3.91 79</td>
<td>4.10 110</td>
<td>3.90 164</td>
</tr>
<tr>
<td>I.10I</td>
<td>Select Back-Shu (Associated) points to address systemic</td>
<td>4.41 116</td>
<td>4.08 78</td>
<td>4.24 109</td>
<td>4.07 171</td>
</tr>
<tr>
<td>I.11I</td>
<td>Select coupled points by combining Front-Mu (Alarm)</td>
<td>3.83 116</td>
<td>3.61 79</td>
<td>3.67 109</td>
<td>3.46 170</td>
</tr>
<tr>
<td>I.12I</td>
<td>Select Lower-He-Sea (Uniting) points to connect channel</td>
<td>3.89 114</td>
<td>3.72 79</td>
<td>3.87 110</td>
<td>3.61 167</td>
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<tr>
<td>I.13I</td>
<td>Select Mother-Son (Four-Needle Technique) points by</td>
<td>3.24 113</td>
<td>2.56 79</td>
<td>3.27 110</td>
<td>2.99 168</td>
</tr>
<tr>
<td>I.14I</td>
<td>Select from the Eight Influential points to affect related</td>
<td>3.82 114</td>
<td>3.60 77</td>
<td>3.84 109</td>
<td>3.56 167</td>
</tr>
<tr>
<td>I.15I</td>
<td>Select from the Four Seas points to affect corresponding</td>
<td>3.77 116</td>
<td>3.29 78</td>
<td>3.79 109</td>
<td>3.56 170</td>
</tr>
<tr>
<td>I.16I</td>
<td>Select points to treat causative factor(s) - TCM</td>
<td>4.04 114</td>
<td>3.79 78</td>
<td>3.66 107</td>
<td>3.95 167</td>
</tr>
<tr>
<td>I.17I</td>
<td>Select points to treat causative factor(s) - Worsley</td>
<td>2.40 111</td>
<td>2.09 77</td>
<td>2.81 106</td>
<td>2.30 168</td>
</tr>
<tr>
<td>I.18I</td>
<td>Select Five Shu (Transporting) points -Five Elements-TCM</td>
<td>3.62 116</td>
<td>3.06 77</td>
<td>3.46 109</td>
<td>3.34 169</td>
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<tr>
<td>I.19I</td>
<td>Select Five Shu (Transporting) pts.-Five Elements -Worsley</td>
<td>2.52 110</td>
<td>2.14 78</td>
<td>2.70 108</td>
<td>2.31 162</td>
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<tr>
<td>I.20I</td>
<td>Select Luo-Connecting points that access divergent</td>
<td>3.68 115</td>
<td>3.30 76</td>
<td>3.61 111</td>
<td>3.40 167</td>
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<tr>
<td>I.21I</td>
<td>Select Yuan-Source (Primary) points to access fundamental</td>
<td>4.06 117</td>
<td>3.86 78</td>
<td>4.05 111</td>
<td>3.92 167</td>
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<tr>
<td>I.22I</td>
<td>Select appropriate points to treat for AE - TCM</td>
<td>2.89 115</td>
<td>2.35 74</td>
<td>2.95 108</td>
<td>2.71 164</td>
</tr>
<tr>
<td>I.23I</td>
<td>Select appropriate points to treat for AE -Worsley</td>
<td>2.48 111</td>
<td>1.87 76</td>
<td>2.70 107</td>
<td>2.20 166</td>
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<tr>
<td>I.24I</td>
<td>Select Entry and Exit points according to 12 Channel Theory</td>
<td>3.23 115</td>
<td>2.68 78</td>
<td>3.38 108</td>
<td>3.09 168</td>
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<tr>
<td>I.25I</td>
<td>Select Window of the Sky points</td>
<td>3.30 115</td>
<td>2.64 75</td>
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<td>3.02 165</td>
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<td>2.25 110</td>
<td>1.81 77</td>
<td>2.43 103</td>
<td>1.98 166</td>
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<tr>
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<td>Select appropriate points according to 13 Ghost points</td>
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<td>2.28 79</td>
<td>2.81 105</td>
<td>2.35 167</td>
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<tr>
<td>I.28I</td>
<td>Select clinically appropriate Extra points to treat</td>
<td>4.08 113</td>
<td>4.10 79</td>
<td>4.07 110</td>
<td>3.80 166</td>
</tr>
</tbody>
</table>
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<tr>
<td>I.29i</td>
<td>Select auricular points to treat patient's condition</td>
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<td>117</td>
<td>3.99</td>
<td>80</td>
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<tr>
<td>I.30i</td>
<td>Select scalp points to treat patient's condition</td>
<td>3.52</td>
<td>117</td>
<td>3.53</td>
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<tr>
<td>I.31i</td>
<td>Select/Develop a treatment strategy using ACUP,...</td>
<td>4.39</td>
<td>116</td>
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<tr>
<td>I.32i</td>
<td>Decide appropriate needles (i.e., filiform needle[s])...</td>
<td>4.10</td>
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<td>4.27</td>
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<tr>
<td>I.33i</td>
<td>Removal of needles with correct techniques</td>
<td>4.55</td>
<td>116</td>
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<tr>
<td>I.34i</td>
<td>Review of state regulation and law for use of different</td>
<td>4.20</td>
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<td>I.35i</td>
<td>Develop treatment plan using Six Division theory</td>
<td>3.38</td>
<td>117</td>
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<tr>
<td>I.36i</td>
<td>Develop treatment plan using the Four needle concept</td>
<td>2.33</td>
<td>112</td>
<td>1.97</td>
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<tr>
<td>I.37i</td>
<td>Apply Dong's (Tong's), Tan's (12x12) to treat the patient</td>
<td>2.29</td>
<td>113</td>
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<td>I.38i</td>
<td>Apply the Five Phase/Element points (Control points)</td>
<td>3.11</td>
<td>113</td>
<td>2.78</td>
<td>77</td>
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<tr>
<td>I.39i</td>
<td>Apply Antique points (Jing Well, Ying, Spring, etc.) to</td>
<td>3.72</td>
<td>114</td>
<td>3.56</td>
<td>79</td>
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<tr>
<td>I.40i</td>
<td>Utilize Root and Branch technique to treat the patient</td>
<td>3.78</td>
<td>116</td>
<td>3.71</td>
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<tr>
<td>I.41i</td>
<td>Utilize the Zang Fu model to treat the patient</td>
<td>4.16</td>
<td>116</td>
<td>3.91</td>
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<tr>
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<td>Utilize the Yin and Yang model to treat the patient</td>
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<td>4.10</td>
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<td>Utilize the Shang Han Lun model to treat the patient</td>
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<td>I.44i</td>
<td>Utilize the Qi and Blood model to treat the patient</td>
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<td>I.45i</td>
<td>Utilize meridians and collaterals (Jing Luo) model to treat</td>
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<td>116</td>
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<td>I.46i</td>
<td>Decide correct positioning of the patient</td>
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<td>116</td>
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<tr>
<td>I.47i</td>
<td>Insert needles - correct angle - Clean Needle technique</td>
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<td>115</td>
<td>4.82</td>
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<tr>
<td>I.48i</td>
<td>Apply suitable manipulation technique to reinforce/reduce</td>
<td>4.47</td>
<td>115</td>
<td>4.32</td>
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<tr>
<td>I.49i</td>
<td>Achieve Arrival of Qi by: lifting and thrusting</td>
<td>4.03</td>
<td>117</td>
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<tr>
<td>I.50i</td>
<td>Achieve Arrival of Qi by: twirling or rotating</td>
<td>4.12</td>
<td>114</td>
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<td>I.51i</td>
<td>Achieve Arrival of Qi by: plucking</td>
<td>3.25</td>
<td>114</td>
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<td>Achieve Arrival of Qi by: scraping</td>
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<td>Achieve Arrival of Qi by: trembling</td>
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<td>Reinforcing/reducing techniques by: lifting and thrusting</td>
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<td>I.56i</td>
<td>Reinforcing/reducing techniques by: rotating or twirling</td>
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<td>I.57i</td>
<td>Reinforcing/reducing techniques by: rapid and slow</td>
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## Appendix C– Acupuncture Elements Sorted by Mean Importance

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<th>South</th>
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<td>II.58I</td>
<td>Reinforcing/reducing techniques by: keeping the</td>
<td>3.85 114 3.40 78 3.86 107 3.72 167</td>
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<td>II.59I</td>
<td>Reinforcing/reducing techniques by: means of respiration</td>
<td>3.61 115 2.99 78 3.29 103 3.34 170</td>
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<td>II.60I</td>
<td>Reinforcing/reducing techniques by: setting the Mountain</td>
<td>2.73 112 2.29 77 2.52 105 2.55 170</td>
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<td>II.61I</td>
<td>Reinforcing/reducing techniques by: penetrating Heaven</td>
<td>2.67 114 2.31 77 2.48 104 2.50 166</td>
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<td>II.62I</td>
<td>Consider anatomy to determine depth, precautions.</td>
<td>4.83 115 4.78 77 4.74 109 4.80 168</td>
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<td>II.63I</td>
<td>Consider precautions related to treatment with modalities</td>
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<td>II.64I</td>
<td>Identify correct point location [e.g., anatomical,...]</td>
<td>4.62 114 4.67 79 4.62 109 4.72 166</td>
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<td>II.65I</td>
<td>Apply moxibustion using thread moxa (e.g., direct moxa)</td>
<td>3.49 114 2.86 76 3.04 106 3.24 162</td>
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<td>II.66I</td>
<td>Apply moxibustion using Scarring Moxa</td>
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<tr>
<td>II.67I</td>
<td>Apply indirect moxibustion using stick or pole moxa</td>
<td>3.75 115 3.27 77 3.55 107 3.51 168</td>
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<td>II.68I</td>
<td>Apply moxibustion using moxa on medium (e.g., garlic,...)</td>
<td>3.16 114 2.73 77 2.79 106 3.04 166</td>
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<td>II.69I</td>
<td>Apply moxibustion using moxa on the needle handle</td>
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<td>II.70I</td>
<td>Apply moxibustion using moxa box/can</td>
<td>2.54 112 2.47 77 2.58 105 2.82 165</td>
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<td>II.71I</td>
<td>Apply moxibustion using navel moxa</td>
<td>3.12 114 2.75 77 2.83 103 3.08 167</td>
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<td>II.72I</td>
<td>Apply moxibustion using moxa oils/sprays</td>
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<td>II.73I</td>
<td>Apply moxibustion using stick-on moxa</td>
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<td>II.74I</td>
<td>Apply moxibustion using electrical moxa</td>
<td>1.76 111 1.88 78 2.06 102 2.12 164</td>
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<td>II.75I</td>
<td>Apply moxibustion using smokeless moxa</td>
<td>2.96 113 2.76 76 2.79 107 3.02 164</td>
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<td>II.76I</td>
<td>Apply moxibustion using cold moxa patches</td>
<td>1.85 108 1.96 78 2.02 105 2.06 163</td>
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<tr>
<td>II.77I</td>
<td>Apply physical agents such as: Heat</td>
<td>3.73 113 3.33 79 3.35 111 3.62 169</td>
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<td>II.78I</td>
<td>Apply physical agents such as: infrared heat lamp</td>
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<td>II.79I</td>
<td>Apply physical agents such as: cold</td>
<td>2.24 110 2.04 77 2.44 105 2.63 164</td>
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<td>II.80I</td>
<td>Apply physical agents such as: sound</td>
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<td>II.81I</td>
<td>Apply physical agents such as: light</td>
<td>2.20 111 2.28 76 2.37 105 2.32 162</td>
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<tr>
<td>II.82I</td>
<td>Apply physical agents such as: diathermy</td>
<td>1.62 109 1.66 77 1.92 106 2.13 164</td>
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<tr>
<td>II.83I</td>
<td>Apply physical agents such as: ultrasound</td>
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<td>III.84I</td>
<td>Treating the patient using: Cupping</td>
<td>3.87 117 3.65 80 3.66 108 3.84 172</td>
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<td>III.85I</td>
<td>Treating the patient using: Guasha</td>
<td>3.60 114 3.14 79 3.17 108 3.39 170</td>
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</table>
## Appendix C – Acupuncture Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Mean</th>
<th>N</th>
<th>Mean</th>
<th>N</th>
<th>Mean</th>
<th>N</th>
<th>Mean</th>
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<tr>
<td>III.86I</td>
<td>Treating the patient using: Laser</td>
<td>2.08</td>
<td>111</td>
<td>2.31</td>
<td>78</td>
<td>2.25</td>
<td>104</td>
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<td>Treating the patient using: Bleeding</td>
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<td>Treating the patient using: Injection Therapy</td>
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<td>Treating the patient using: Gold and Silver needles</td>
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<td>Treat the patient using: Intradermal Needles</td>
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<td>Treat the patient using: Ion pumping cords</td>
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<td>Treat the patient using: Ear balls/seeds/pellets/ear tacks</td>
<td>3.76</td>
<td>114</td>
<td>3.55</td>
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<td>3.58</td>
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<td>III.93I</td>
<td>Treat the patient using: Electro acupuncture [e.g., TENS]</td>
<td>3.57</td>
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<td>Treat the patient using: Electro stimulator (without needle)</td>
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<td>Treat the patient by applying electricity using: micro</td>
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<td>Treat the patient by applying electricity using: VOLL/Vega</td>
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<td>Treat the patient by applying electricity using: Ion Sparker</td>
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<td>Treat the patient by applying electricity using: Auricular</td>
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<td>Treating the patient by applying electricity using: scalp</td>
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<td>Evaluate the results of treatment by comparing the</td>
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<td>IV.102I</td>
<td>Consult with patient regarding additional areas of concern</td>
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<td>Assess the effectiveness of treatment by re-examining</td>
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<td>Ensure Clean needle technique</td>
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<td>IV.105I</td>
<td>Review progress of patient using physical exam</td>
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<td>Review progress of patient using clinical lab work for</td>
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<td>Management of acupuncture related emergencies</td>
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<td>Assess outcome in order to modify treatment strategy</td>
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<td>Modify manipulation of technique</td>
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<td>Modify points with treatment strategy</td>
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## Mean Importance by Years of Experience

### Acupuncture Elements Sorted by Years of Experience

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<td>Develop a prescription based on treatment principles</td>
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<td>Select distal/proximal points to address affected channels</td>
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<td>Select contra lateral points to balance treatment</td>
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<td>Select upper body/lower body points to balance treatment</td>
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<td>Utilize Ashi methodologies</td>
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<td>Select points along corresponding channels to</td>
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<td>Select Front-Mu (Alarm) points to access systemic</td>
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<td>Select Back-Shu (Associated) points to address systemic</td>
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<td>Select coupled points by combining Front-Mu (Alarm)</td>
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<td>Select Lower-He-Sea (Uniting) points to connect channel</td>
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<td>Select Mother-Son (Four-Needle Technique) points by</td>
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<td>Select from the Eight Influential points to affect related</td>
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<td>Select points to treat causative factor(s) - TCM</td>
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<td>Select points to treat causative factor(s) - Worsley</td>
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<td>Select Five Shu (Transporting) points - Five Elements - TCM</td>
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<td>Select Luo-Connecting points that access divergent</td>
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<td>Select Entry and Exit points according to 12 Channel Theory</td>
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<td>Select Window of the Sky points</td>
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## Appendix C – Acupuncture Elements Sorted by Mean Importance

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<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>less than 5 yrs</th>
<th>6-10 yrs</th>
<th>11-15 yrs</th>
<th>16 plus yrs</th>
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<td>I.27I</td>
<td>Select appropriate points according to 13 Ghost points</td>
<td>2.58 199</td>
<td>2.54 151</td>
<td>2.52 75</td>
<td>2.62 60</td>
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<td>I.28I</td>
<td>Select clinically appropriate Extra points to treat</td>
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<td>4.12 73</td>
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<td>Select auricular points to treat patient’s condition</td>
<td>4.00 203</td>
<td>3.93 158</td>
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<td>3.37 60</td>
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<td>Select/Develop a treatment strategy using ACUP,...</td>
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<td>4.43 75</td>
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<td>Decide appropriate needles (i.e., filiform needle(s),...)</td>
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<td>Removal of needles with correct techniques</td>
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<td>4.58 60</td>
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<td>Review of state regulation and law for use of different</td>
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<td>Develop treatment plan using Six Division theory</td>
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<td>3.29 77</td>
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<td>Develop treatment plan using the Four needle concept</td>
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<td>Apply Dong’s (Tong’s), Tan’s (12x12) to treat the patient</td>
<td>2.55 200</td>
<td>2.43 151</td>
<td>2.62 76</td>
<td>2.37 54</td>
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<tr>
<td>I.38I</td>
<td>Apply the Five Phase/Element points (Control points)</td>
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<td>3.20 76</td>
<td>2.96 57</td>
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<tr>
<td>I.39I</td>
<td>Apply Antique points (Jing Well, Ying, Spring, etc.) to</td>
<td>3.66 200</td>
<td>3.62 153</td>
<td>3.52 75</td>
<td>3.54 61</td>
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<td>Utilize Root and Branch technique to treat the patient</td>
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<td>3.76 153</td>
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<td>Utilize the Zang Fu model to treat the patient</td>
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<td>Utilize the Yin and Yang model to treat the patient</td>
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<td>Utilize the Shang Han Lun model to treat the patient</td>
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<td>Utilize the Qi and Blood model to treat the patient</td>
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<td>Utilize meridians and collaterals (Jing Luo) model to treat</td>
<td>3.93 201</td>
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<td>Decide correct positioning of the patient</td>
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<td>Insert needles - correct angle - Clean Needle technique</td>
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<td>Apply suitable manipulation technique to reinforce/reduce</td>
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<td>Achieve Arrival of Qi by: lifting and thrusting</td>
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<td>Achieve Arrival of Qi by: twirling or rotating</td>
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<td>Achieve Arrival of Qi by: plucking</td>
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<td>Achieve Arrival of Qi by: trembling</td>
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## Appendix C– Acupuncture Elements Sorted by Mean Importance

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<th>Element</th>
<th>Description</th>
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<th>6-10 yrs</th>
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<td>Consider anatomy to determine depth, precautions,</td>
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<td>Consider precautions related to treatment with modalities</td>
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<td>Identify correct point location (e.g., anatomical,..)</td>
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<td>Apply moxibustion using thread moxa (e.g., direct moxa)</td>
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<td>Apply indirect moxibustion using stick or pole moxa</td>
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<td>Apply moxibustion using moxa on medium (e.g., garlic,..)</td>
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<td>Apply moxibustion using moxa box/can</td>
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<tr>
<td>Apply moxibustion using navel moxa</td>
<td>3.05</td>
<td>201</td>
<td>2.82</td>
<td>151</td>
<td>3.12</td>
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<td>II.72I</td>
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<td>Apply moxibustion using moxa oils/sprays</td>
<td>2.22</td>
<td>201</td>
<td>2.23</td>
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<td>Apply moxibustion using stick-on moxa</td>
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<td>Apply moxibustion using electrical moxa</td>
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<td>Apply moxibustion using smokeless moxa</td>
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<td>Apply moxibustion using cold moxa patches</td>
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<td>1.97</td>
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<td>II.77I</td>
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<td>Apply physical agents such as: Heat</td>
<td>3.61</td>
<td>205</td>
<td>3.54</td>
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<td>Apply physical agents such as: infrared heat lamp</td>
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<td>Apply physical agents such as: cold</td>
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<td>Apply physical agents such as: sound</td>
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<td>Apply physical agents such as: light</td>
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<td>Apply physical agents such as: diathermy</td>
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<td>Apply physical agents such as: ultrasound</td>
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<td>III.84I</td>
<td>Treating the patient using: Cupping</td>
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<tr>
<td>III.85I</td>
<td>Treating the patient using: Guasha</td>
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<td>III.86I</td>
<td>Treating the patient using: Laser</td>
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<td>III.87I</td>
<td>Treating the patient using: Bleeding</td>
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<td>III.88I</td>
<td>Treating the patient using: Injection Therapy</td>
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<td>III.89I</td>
<td>Treat the patient using: Gold and Silver needles</td>
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<td>2.13</td>
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<td>III.90I</td>
<td>Treat the patient using: Intradermal Needles</td>
<td>2.80</td>
<td>201</td>
<td>2.69</td>
<td>154</td>
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<tr>
<td>III.91I</td>
<td>Treat the patient using: Ion pumping cords</td>
<td>2.44</td>
<td>199</td>
<td>2.37</td>
<td>153</td>
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<tr>
<td>III.92I</td>
<td>Treat the patient using: Ear balls/seeds/pellets/ear tacks</td>
<td>3.68</td>
<td>204</td>
<td>3.61</td>
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<tr>
<td>III.93I</td>
<td>Treat the patient using: Electro acupuncture (e.g., TENS)</td>
<td>3.46</td>
<td>200</td>
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<td>III.94I</td>
<td>Treat the patient using: Electro stimulator (without needle)</td>
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<td>III.95I</td>
<td>Treat the patient by applying electricity using: micro</td>
<td>2.90</td>
<td>200</td>
<td>2.79</td>
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<tr>
<td>III.96I</td>
<td>Treat the patient by applying electricity using: magnetic</td>
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<td>III.97I</td>
<td>Treat the patient by applying electricity using: VOLI/Vega</td>
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<td>Treat the patient by applying electricity using: Ion Sparker</td>
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<td>III.99I</td>
<td>Treat the patient by applying electricity using: Auricular</td>
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<td>III.100I</td>
<td>Treat the patient by applying electricity using: scalp</td>
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<td>197</td>
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<td>IV.101I</td>
<td>Evaluate the results of treatment by comparing the</td>
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<td>204</td>
<td>4.78</td>
<td>158</td>
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<tr>
<td>IV.102I</td>
<td>Consult with patient regarding additional areas of concern</td>
<td>4.76</td>
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<td>4.76</td>
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<td>IV.103I</td>
<td>Assess the effectiveness of treatment by re-examining</td>
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<td>IV.104I</td>
<td>Ensure Clean needle technique</td>
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<td>4.85</td>
<td>158</td>
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<tr>
<td>IV.105I</td>
<td>Review progress of patient using physical exam</td>
<td>3.90</td>
<td>203</td>
<td>4.09</td>
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<tr>
<td>IV.106I</td>
<td>Review progress of patient using clinical lab work for</td>
<td>3.24</td>
<td>205</td>
<td>3.41</td>
<td>153</td>
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<tr>
<td>IV.107I</td>
<td>Management of acupuncture related emergencies</td>
<td>4.73</td>
<td>205</td>
<td>4.65</td>
<td>157</td>
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<tr>
<td>IV.108I</td>
<td>Assess outcome in order to modify treatment strategy</td>
<td>4.74</td>
<td>203</td>
<td>4.74</td>
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<tr>
<td>IV.109I</td>
<td>Modify manipulation of technique</td>
<td>4.37</td>
<td>202</td>
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<tr>
<td>IV.110I</td>
<td>Modify duration and frequency of treatment</td>
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<td>4.71</td>
<td>157</td>
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<td>IV.111I</td>
<td>Modify points with treatment strategy</td>
<td>4.68</td>
<td>204</td>
<td>4.73</td>
<td>156</td>
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</table>
## Appendix C– Acupuncture Elements Sorted by Mean Importance

### Mean Importance by Primary Practice Setting

#### Acupuncture Elements Sorted by Practice Setting

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Self-employed</th>
<th>Group Practice</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>I.1I</td>
<td>Develop a prescription based on treatment principles</td>
<td>4.73</td>
<td>4.74</td>
<td>4.65</td>
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<tr>
<td>I.2I</td>
<td>Select distal/proximal points to address affected channels</td>
<td>4.54</td>
<td>4.57</td>
<td>4.42</td>
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<tr>
<td>I.3I</td>
<td>Select adjacent points near the affected areas to augment</td>
<td>4.35</td>
<td>4.44</td>
<td>4.31</td>
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<tr>
<td>I.4I</td>
<td>Select contra lateral points to balance treatment</td>
<td>4.01</td>
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<td>3.94</td>
</tr>
<tr>
<td>I.5I</td>
<td>Select upper body/lower body points to balance treatment</td>
<td>4.26</td>
<td>4.30</td>
<td>4.26</td>
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<tr>
<td>I.6I</td>
<td>Select points based on the Muscular Channel Theory</td>
<td>3.32</td>
<td>3.36</td>
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<tr>
<td>I.7I</td>
<td>Utilize Ashi methodologies</td>
<td>4.10</td>
<td>4.02</td>
<td>4.21</td>
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<tr>
<td>I.8I</td>
<td>Select points along corresponding channels to</td>
<td>3.47</td>
<td>3.25</td>
<td>3.39</td>
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<tr>
<td>I.9I</td>
<td>Select Front-Mu (Alarm) points to access systemic</td>
<td>4.03</td>
<td>3.88</td>
<td>3.99</td>
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<tr>
<td>I.10I</td>
<td>Select Back-Shu (Associated) points to address systemic</td>
<td>4.23</td>
<td>4.00</td>
<td>4.25</td>
</tr>
<tr>
<td>I.11I</td>
<td>Select coupled points by combining Front-Mu (Alarm)</td>
<td>3.67</td>
<td>3.54</td>
<td>3.58</td>
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<tr>
<td>I.12I</td>
<td>Select Lower-He-Sea (Uniting) points to connect channel</td>
<td>3.80</td>
<td>3.67</td>
<td>3.60</td>
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<tr>
<td>I.13I</td>
<td>Select Mother-Son (Four-Needle Technique) points by</td>
<td>3.05</td>
<td>3.17</td>
<td>2.99</td>
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<tr>
<td>I.14I</td>
<td>Select from the Eight Influential points to affect related</td>
<td>3.74</td>
<td>3.58</td>
<td>3.65</td>
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<tr>
<td>I.15I</td>
<td>Select from the Four Seas points to affect corresponding</td>
<td>3.63</td>
<td>3.58</td>
<td>3.63</td>
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<tr>
<td>I.16I</td>
<td>Select points to treat causative factor(s) - TCM</td>
<td>3.89</td>
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<tr>
<td>I.17I</td>
<td>Select points to treat causative factor(s) - Worsley</td>
<td>2.40</td>
<td>2.40</td>
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<tr>
<td>I.18I</td>
<td>Select Five Shu (Transporting) points - Five Elements - TCM</td>
<td>3.38</td>
<td>3.63</td>
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<tr>
<td>I.19I</td>
<td>Select Five Shu (Transporting) pts. - Five Elements - Worsley</td>
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<td>2.35</td>
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<td>I.20I</td>
<td>Select Luo-Connecting points that access divergent</td>
<td>3.49</td>
<td>3.56</td>
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<tr>
<td>I.21I</td>
<td>Select Yuan-Source (Primary) points to access fundamental</td>
<td>3.99</td>
<td>4.00</td>
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<tr>
<td>I.22I</td>
<td>Select appropriate points to treat for AE - TCM</td>
<td>2.79</td>
<td>2.78</td>
<td>2.67</td>
</tr>
<tr>
<td>I.23I</td>
<td>Select appropriate points to treat for AE - Worsley</td>
<td>2.31</td>
<td>2.24</td>
<td>2.49</td>
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<tr>
<td>I.24I</td>
<td>Select Entry and Exit points according to 12 Channel Theory</td>
<td>3.10</td>
<td>3.44</td>
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<td>I.25I</td>
<td>Select Window of the Sky points</td>
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<td>3.15</td>
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<tr>
<td>I.26I</td>
<td>Select appropriate points according to Seven Dragons</td>
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<td>I.27I</td>
<td>Select appropriate points according to 13 Ghost points</td>
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<td>2.41</td>
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<td>I.28I</td>
<td>Select clinically appropriate Extra points to treat</td>
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<td>3.81</td>
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</table>
## Appendix C – Acupuncture Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Self-employed</th>
<th>Group Practice</th>
<th>Other</th>
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<tbody>
<tr>
<td>I.29I</td>
<td>Select auricular points to treat patient’s condition</td>
<td>3.99</td>
<td>3.95</td>
<td>3.78</td>
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<tr>
<td>I.30I</td>
<td>Select scalp points to treat patient’s condition</td>
<td>3.58</td>
<td>3.43</td>
<td>3.51</td>
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<tr>
<td>I.31I</td>
<td>Select/Develop a treatment strategy using ACUP,...</td>
<td>4.33</td>
<td>4.35</td>
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<td>I.32I</td>
<td>Decide appropriate needles (i.e., filiform needle(s))...</td>
<td>4.25</td>
<td>4.08</td>
<td>4.00</td>
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<tr>
<td>I.33I</td>
<td>Removal of needles with correct techniques</td>
<td>4.55</td>
<td>4.53</td>
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<tr>
<td>I.34I</td>
<td>Review of state regulation and law for use of different</td>
<td>4.24</td>
<td>4.26</td>
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<td>I.35I</td>
<td>Develop treatment plan using Six Division theory</td>
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<td>3.40</td>
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<td>I.36I</td>
<td>Develop treatment plan using the Four needle concept</td>
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<td>2.33</td>
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<td>I.37I</td>
<td>Apply Dong’s (Tong’s), Tan’s (12x12) to treat the patient</td>
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<td>2.60</td>
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<td>I.38I</td>
<td>Apply the Five Phase/Element points (Control points)</td>
<td>2.97</td>
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<td>2.99</td>
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<td>I.39I</td>
<td>Apply Antique points (Jing Well, Ying, Spring, etc.) to</td>
<td>3.56</td>
<td>3.80</td>
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<td>I.40I</td>
<td>Utilize Root and Branch technique to treat the patient</td>
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<td>I.41I</td>
<td>Utilize the Zang Fu model to treat the patient</td>
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<td>4.15</td>
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<td>I.42I</td>
<td>Utilize the Yin and Yang model to treat the patient</td>
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<td>4.10</td>
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<td>I.43I</td>
<td>Utilize the Shang Han Lun model to treat the patient</td>
<td>3.08</td>
<td>3.07</td>
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<tr>
<td>I.44I</td>
<td>Utilize the Qi and Blood model to treat the patient</td>
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<td>3.90</td>
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<tr>
<td>I.45I</td>
<td>Utilize meridians and collaterals (Jing Luo) model to treat</td>
<td>3.80</td>
<td>3.88</td>
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<td>II.46I</td>
<td>Decide correct positioning of the patient</td>
<td>4.72</td>
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<td>II.47I</td>
<td>Insert needles - correct angle - Clean Needle technique</td>
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<td>4.78</td>
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<td>II.48I</td>
<td>Apply suitable manipulation technique to reinforce/reduce</td>
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<td>II.49I</td>
<td>Achieve Arrival of Qi by: lifting and thrusting</td>
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<tr>
<td>II.50I</td>
<td>Achieve Arrival of Qi by: twirling or rotating</td>
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<td>4.07</td>
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<td>II.51I</td>
<td>Achieve Arrival of Qi by: plucking</td>
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<td>II.52I</td>
<td>Achieve of Arrival of Qi by: scraping</td>
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<td>2.82</td>
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<td>II.53I</td>
<td>Achieve Arrival of Qi by: shaking</td>
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<td>II.54I</td>
<td>Achieve Arrival of Qi by: trembling</td>
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<tr>
<td>II.55I</td>
<td>Reinforcing/reducing techniques by: lifting and thrusting</td>
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<td>II.56I</td>
<td>Reinforcing/educing techniques by: rotating or twirling</td>
<td>3.89</td>
<td>3.88</td>
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## Appendix C– Acupuncture Elements Sorted by Mean Importance

<table>
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<tr>
<th>Element</th>
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<th>Other</th>
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<tr>
<td>II.57I</td>
<td>Reinforcing/reducing techniques by: rapid and slow</td>
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<td>II.58I</td>
<td>Reinforcing/reducing techniques by: keeping the</td>
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<td>II.59I</td>
<td>Reinforcing/reducing techniques by: means of respiration</td>
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<td>Reinforcing/reducing techniques by: penetrating Heaven</td>
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<td>2.45</td>
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<tr>
<td>II.62I</td>
<td>Consider anatomy to determine depth, precautions,</td>
<td>4.81</td>
<td>350</td>
<td>4.80</td>
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<td>II.63I</td>
<td>Consider precautions related to treatment with modalities</td>
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<td>61</td>
<td>4.67</td>
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<tr>
<td>II.64I</td>
<td>Identify correct point location (e.g., anatomical...)</td>
<td>4.67</td>
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<td>4.66</td>
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<td>4.60</td>
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<td>II.65I</td>
<td>Apply moxibustion using thread moxa (e.g., direct moxa)</td>
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<td>3.31</td>
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<td>3.09</td>
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<td>II.66I</td>
<td>Apply moxibustion using Scarring Moxa</td>
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<td>II.67I</td>
<td>Apply indirect moxibustion using stick or pole moxa</td>
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<td>3.59</td>
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<td>II.68I</td>
<td>Apply moxibustion using moxa on medium (e.g., garlic, ..)</td>
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<td>II.69I</td>
<td>Apply moxibustion using moxa on the needle handle</td>
<td>3.18</td>
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<td>Apply moxibustion using moxa box/can</td>
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<td>342</td>
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<td>II.71I</td>
<td>Apply moxibustion using navel moxa</td>
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<td>342</td>
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<td>II.72I</td>
<td>Apply moxibustion using moxa oils/sprays</td>
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<td>2.19</td>
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<td>II.73I</td>
<td>Apply moxibustion using stick-on moxa</td>
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<td>Apply moxibustion using electrical moxa</td>
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<td>II.75I</td>
<td>Apply moxibustion using smokeless moxa</td>
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<td>343</td>
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<td>II.76I</td>
<td>Apply moxibustion using cold moxa patches</td>
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<td>58</td>
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<td>Apply physical agents such as: Heat</td>
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<td>349</td>
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<td>Apply physical agents such as: infrared heat lamp</td>
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<td>Apply physical agents such as: cold</td>
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<td>Apply physical agents such as: sound</td>
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<td>2.54</td>
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<td>II.81I</td>
<td>Apply physical agents such as: light</td>
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<td>II.82I</td>
<td>Apply physical agents such as: diathermy</td>
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<td>Apply physical agents such as: ultrasound</td>
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<td>Treating the patient using: Cupping</td>
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<td>354</td>
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<td>Treating the patient using: Guasha</td>
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<td>III.86I</td>
<td>Treating the patient using: Laser</td>
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<tr>
<td>III.88I</td>
<td>Treating the patient using: Injection Therapy</td>
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<td>343</td>
<td>1.92</td>
<td>60</td>
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## Appendix C– Acupuncture Elements Sorted by Mean Importance

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<th>Element</th>
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<th>N Self-employed</th>
<th>Mean Group Practice</th>
<th>N Group Practice</th>
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<th>N Other</th>
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<tr>
<td>III.89I</td>
<td>Treat the patient using: Gold and Silver needles</td>
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<td>Treat the patient using: Intradermal Needles</td>
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<td>351</td>
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<td>Treat the patient using: Ion pumping cords</td>
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<td>III.92I</td>
<td>Treat the patient using: Ear balls/seeds/pellets/ear tacks</td>
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<td>3.54</td>
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<td>Treat the patient using: Electro acupuncture (e.g., TENS)</td>
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<td>Treat the patient using: Electro stimulator (without needle)</td>
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<td>Treat the patient by applying electricity using: micro</td>
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<td>Treat the patient by applying electricity using: magnetic</td>
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<td>Treat the patient by applying electricity using: VOLL/Vega</td>
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<td>Treat the patient by applying electricity using: Ion Sparker</td>
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<td>Treat the patient by applying electricity using: Auricular</td>
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<td>Treating the patient by applying electricity using: scalp</td>
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<td>Evaluate the results of treatment by comparing the</td>
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<td>4.73</td>
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<td>4.80</td>
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<td>Consult with patient regarding additional areas of concern</td>
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<td>Assess the effectiveness of treatment by re-examining</td>
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<td>4.70</td>
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<td>IV.104I</td>
<td>Ensure Clean needle technique</td>
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<td>IV.105I</td>
<td>Review progress of patient using physical exam</td>
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<td>Review progress of patient using clinical lab work for</td>
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<td>3.31</td>
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<td>IV.107I</td>
<td>Management of acupuncture related emergencies</td>
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<td>IV.108I</td>
<td>Assess outcome in order to modify treatment strategy</td>
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<td>351</td>
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<td>4.67</td>
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<td>IV.109I</td>
<td>Modify manipulation of technique</td>
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<td>4.38</td>
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<td>4.14</td>
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<tr>
<td>IV.110I</td>
<td>Modify duration and frequency of treatment</td>
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<td>IV.111I</td>
<td>Modify points with treatment strategy</td>
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<td>356</td>
<td>4.68</td>
<td>62</td>
<td>4.65</td>
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Appendix D – Biomedicine Elements Sorted by Mean Importance

Elements Sorted by: Overall Mean Importance

Note:
1 - A complete description of all the tasks is presented in Appendices B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections
2 - Tasks sorted by importance rating have an "I" behind the task number
## Appendix D – Biomedicine Elements Sorted by Mean Importance

### ELEMENTS SORTED BY IMPORTANCE RATINGS

<table>
<thead>
<tr>
<th>Elem</th>
<th>Description</th>
<th>N</th>
<th>Mean</th>
<th>Std. Dev</th>
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<tr>
<td>II.40</td>
<td>Prescribe pharmaceutical drugs other than hormones</td>
<td>374</td>
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<td>1.02</td>
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<tr>
<td>II.38</td>
<td>Administer intravenous therapy</td>
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<td>1.14</td>
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<tr>
<td>II.39</td>
<td>Prescribe hormones</td>
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<td>1.10</td>
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<tr>
<td>I.28</td>
<td>Perform nutritional evaluation using derma resistant testing</td>
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<td>1.04</td>
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<tr>
<td>I.26</td>
<td>Use computerized electro dermal screening (EAV) to</td>
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<td>1.75</td>
<td>1.11</td>
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<td>Perform nutritional evaluation using muscle testing</td>
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<td>1.98</td>
<td>1.19</td>
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<tr>
<td>I.29</td>
<td>Conduct disability evaluation</td>
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<td>2.05</td>
<td>1.23</td>
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<tr>
<td>I.25</td>
<td>Conduct muscle testing with various techniques</td>
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<td>1.33</td>
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<tr>
<td>I.11</td>
<td>Auscultate bowel sounds</td>
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<td>2.48</td>
<td>1.26</td>
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<tr>
<td>I.10</td>
<td>Auscultate lung and heart sounds</td>
<td>374</td>
<td>2.64</td>
<td>1.33</td>
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<tr>
<td>I.9</td>
<td>Use a stethoscope to listen to the lungs and heart</td>
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<td>1.32</td>
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<tr>
<td>I.4</td>
<td>Measure weight / nutritional status (muscle wasting/…)</td>
<td>377</td>
<td>2.94</td>
<td>1.32</td>
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<tr>
<td>I.22</td>
<td>Perform evaluation of cranial nerves to determine possible</td>
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<td>3.06</td>
<td>1.33</td>
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<tr>
<td>I.18</td>
<td>Test dermatomes for nerve involvement</td>
<td>377</td>
<td>3.08</td>
<td>1.26</td>
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<tr>
<td>I.32</td>
<td>Consider EEG reports to interpret</td>
<td>376</td>
<td>3.10</td>
<td>1.41</td>
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<tr>
<td>I.21</td>
<td>Perform evaluation of normal reflexes and recognize the.</td>
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<td>1.30</td>
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<tr>
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<td>Consider EKG reports</td>
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<td>3.13</td>
<td>1.41</td>
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<tr>
<td>I.20</td>
<td>Test balance or coordination for impairment</td>
<td>374</td>
<td>3.16</td>
<td>1.24</td>
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<tr>
<td>I.19</td>
<td>Test for motor and sensory deficits</td>
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<td>3.16</td>
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<tr>
<td>I.23</td>
<td>Explain to patients, in meaningful layman’s terms, ..</td>
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<td>3.17</td>
<td>1.43</td>
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<tr>
<td>I.12</td>
<td>Measure strength</td>
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<td>3.18</td>
<td>1.24</td>
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<tr>
<td>I.17</td>
<td>Evaluate cognitive function for pathology</td>
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<td>1.20</td>
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<tr>
<td>I.8</td>
<td>Examine various body areas/systems including abdominal,</td>
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<td>3.36</td>
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<tr>
<td>I.31</td>
<td>Consider imaging (e.g., MRI, x-ray, CT scan, colonoscopy)</td>
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<td>1.30</td>
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<td>I.3</td>
<td>Perform physical examination as a ‘systems survey’</td>
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<td>I.13</td>
<td>Compare musculature from right to left</td>
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<td>I.30</td>
<td>Consider the results of commonly used laboratory tests</td>
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<td>I.24</td>
<td>Integrate clinical findings to form diagnostic impression</td>
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<td>3.65</td>
<td>1.29</td>
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<tr>
<td>I.14</td>
<td>Test for reproduction of pain or other signs of reproducing</td>
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<td>Perform and evaluate basic orthopedic examination</td>
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<tr>
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<td>Obtain blood pressure, pulse, temperature, and respiration</td>
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</tr>
<tr>
<td>I.15</td>
<td>Palpate trigger and motor points for structural involvement</td>
<td>375</td>
<td>3.83</td>
<td>1.13</td>
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<tr>
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<td>Perform appropriate portions of a Western medical exam</td>
<td>378</td>
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<tr>
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<td>Use ICD codes</td>
<td>382</td>
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<tr>
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<td>Use CPT codes</td>
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<td>Consult pharmaceutical references</td>
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<td>Apply knowledge of Drug-Drug interactions</td>
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Appendix D– Biomedicine Elements Sorted by Mean Importance

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<td>Collaborate effectively with other members of the patient's...</td>
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<td>Consult with patients about medical decision making</td>
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<td>Understand requirements for licensure</td>
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<td>Maintain appropriate medical records in a confidential...</td>
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<td>Apply knowledge of rules and regulations of patient</td>
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<td>IV.47</td>
<td>Comply with all professional and ethical standards and ...</td>
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Elements Sorted by Mean Importance: Geographic Region
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<th>South</th>
<th>West</th>
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<td>Obtain blood pressure, pulse, temperature, and respiration</td>
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<td>3.40</td>
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<td>Perform physical examination as a ‘systems survey’</td>
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<tr>
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<td>Measure weight / nutritional status (muscle wasting/...)</td>
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<td>81</td>
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<td>Evaluate the patient’s appetite, thirst, elimination and...</td>
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<td>Examine various body areas/systems including abdominal,</td>
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<td>Use a stethoscope to listen to the lungs and heart</td>
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<td>82</td>
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<tr>
<td>I.10</td>
<td>Auscultate lung and heart sounds</td>
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<td>81</td>
<td>2.43</td>
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<td>Auscultate bowel sounds</td>
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<td>I.12</td>
<td>Measure strength</td>
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<tr>
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<td>Compare musculature from right to left</td>
<td>3.67</td>
<td>83</td>
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<td>Test for reproduction of pain or other signs of reproducing</td>
<td>3.75</td>
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<td>Palpate trigger and motor points for structural involvement</td>
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<td>Perform and evaluate basic orthopedic examination</td>
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<td>Evaluate cognitive function for pathology</td>
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<td>I.18</td>
<td>Test dermatomes for nerve involvement</td>
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<tr>
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<td>Test for motor and sensory deficits</td>
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<td>Test balance or coordination for impairment</td>
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<tr>
<td>I.21</td>
<td>Perform evaluation of normal reflexes and recognize the...</td>
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<td>Perform evaluation of cranial nerves to determine possible</td>
<td>3.05</td>
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<td>2.81</td>
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<tr>
<td>I.23</td>
<td>Explain to patients, in meaningful layman’s terms, ...</td>
<td>3.18</td>
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<tr>
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<td>Integrate clinical findings to form diagnostic impression</td>
<td>3.54</td>
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<tr>
<td>I.25</td>
<td>Conduct muscle testing with various techniques</td>
<td>2.38</td>
<td>80</td>
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## Appendix D– Biomedicine Elements Sorted by Mean Importance

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<thead>
<tr>
<th>Elem</th>
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<td>Use computerized electro dermal screening (EAV) to ..</td>
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<td>74</td>
<td>1.79</td>
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<td>I.27</td>
<td>Perform nutritional evaluation using muscle testing</td>
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<td>81</td>
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<td>Perform nutritional evaluation using derma resistant testing</td>
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<td>Conduct disability evaluation</td>
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<td>Consider the results of commonly used laboratory tests</td>
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<td>75</td>
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<td>Consider imaging (e.g., MRI, x-ray, CT scan, colonoscopy)</td>
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<td>Consider EEG reports to interpret</td>
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<tr>
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<td>Consider EKG reports</td>
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<td>Recognize prescription and non-prescription Western ...</td>
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<td>Understand the functions and adverse drug reactions of ...</td>
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<td>Apply knowledge of Drug-Drug interactions</td>
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<td>Prescribe hormones</td>
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<td>Identify medical emergencies and take appropriate actions</td>
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<td>Apply knowledge of rules and regulations of patient</td>
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<td>IV.47</td>
<td>Comply with all professional and ethical standards and ...</td>
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<td>Maintain appropriate medical records in a confidential...</td>
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<td>Consult with patients about medical decision making</td>
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<td>Understand requirements for licensure</td>
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<td>Use ICD codes</td>
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<td>Use CPT codes</td>
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<td>Collaborate effectively with other members of the patient's...</td>
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<td>Make appropriate referrals</td>
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<td>Make appropriate referrals</td>
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## Elements Sorted by Mean Importance: Years of Experience

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<td>Perform appropriate portions of a Western medical exam</td>
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<td>Obtain blood pressure, pulse, temperature, and respiration</td>
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<td>Perform physical examination as a 'systems survey'</td>
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<td>Measure weight / nutritional status (muscle wasting/...)</td>
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<td>Auscultate lung and heart sounds</td>
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<td>Palpate trigger and motor points for structural involvement</td>
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<td>Explain to patients, in meaningful layman's terms, ...</td>
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<td>Use computerized electro dermal screening (EAV) to ..</td>
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<td>Consider EEG reports to interpret</td>
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<td>Consider EKG reports</td>
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<td>Recognize prescription and non-prescription Western ...</td>
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<td>Understand the functions and adverse drug reactions of ...</td>
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<td>Identify medical emergencies and take appropriate actions</td>
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<td>0.41</td>
<td>41</td>
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<tr>
<td>IV.45c</td>
<td>Follow rules, regulations and statues: Insurance regulations</td>
<td>0.24</td>
<td>190</td>
<td>0.16</td>
<td>100</td>
<td>0.48</td>
<td>56</td>
<td>0.02</td>
<td>41</td>
</tr>
<tr>
<td>IV.45d</td>
<td>Follow rules, regulations and statues: Reporting</td>
<td>0.58</td>
<td>190</td>
<td>0.51</td>
<td>100</td>
<td>0.60</td>
<td>55</td>
<td>0.39</td>
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<tr>
<td>IV.45e</td>
<td>Follow rules, regulations and statues: Biohazard</td>
<td>0.85</td>
<td>191</td>
<td>0.74</td>
<td>100</td>
<td>0.84</td>
<td>56</td>
<td>0.76</td>
<td>41</td>
</tr>
<tr>
<td>IV.45f</td>
<td>Follow rules, regulations and statues: Fire and safety</td>
<td>0.81</td>
<td>192</td>
<td>0.70</td>
<td>100</td>
<td>0.75</td>
<td>55</td>
<td>0.70</td>
<td>40</td>
</tr>
<tr>
<td>IV.46</td>
<td>Apply knowledge of rules and regulations of patient</td>
<td>0.88</td>
<td>190</td>
<td>0.78</td>
<td>98</td>
<td>0.89</td>
<td>56</td>
<td>0.80</td>
<td>41</td>
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<tr>
<td>IV.47</td>
<td>Comply with all professional and ethical standards and ...</td>
<td>0.90</td>
<td>192</td>
<td>0.81</td>
<td>100</td>
<td>0.93</td>
<td>56</td>
<td>0.85</td>
<td>41</td>
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<tr>
<td>IV.48</td>
<td>Maintain appropriate medical records in a confidential...</td>
<td>0.87</td>
<td>190</td>
<td>0.76</td>
<td>100</td>
<td>0.84</td>
<td>55</td>
<td>0.68</td>
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<tr>
<td>IV.49</td>
<td>Observe standard practice management procedures</td>
<td>0.85</td>
<td>190</td>
<td>0.72</td>
<td>98</td>
<td>0.77</td>
<td>53</td>
<td>0.75</td>
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<tr>
<td>IV.50</td>
<td>Consult with patients about medical decision making</td>
<td>0.85</td>
<td>191</td>
<td>0.71</td>
<td>100</td>
<td>0.79</td>
<td>56</td>
<td>0.53</td>
<td>40</td>
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<tr>
<td>IV.51</td>
<td>Understand requirements for licensure</td>
<td>0.84</td>
<td>188</td>
<td>0.75</td>
<td>99</td>
<td>0.86</td>
<td>56</td>
<td>0.78</td>
<td>41</td>
</tr>
<tr>
<td>IV.52</td>
<td>Use ICD codes</td>
<td>0.82</td>
<td>188</td>
<td>3.94</td>
<td>98</td>
<td>4.49</td>
<td>55</td>
<td>3.90</td>
<td>41</td>
</tr>
<tr>
<td>IV.53</td>
<td>Use CPT codes</td>
<td>0.78</td>
<td>188</td>
<td>4.00</td>
<td>98</td>
<td>4.61</td>
<td>56</td>
<td>3.90</td>
<td>39</td>
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<tr>
<td>IV.54</td>
<td>Collaborate effectively with other members of the patient's...</td>
<td>0.43</td>
<td>190</td>
<td>4.41</td>
<td>100</td>
<td>4.40</td>
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<td>4.25</td>
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<tr>
<td>IV.55</td>
<td>Take appropriate actions in cases of public health issues</td>
<td>0.64</td>
<td>191</td>
<td>4.70</td>
<td>99</td>
<td>4.50</td>
<td>54</td>
<td>4.63</td>
<td>41</td>
</tr>
<tr>
<td>IV.56</td>
<td>Make appropriate referrals</td>
<td>0.72</td>
<td>192</td>
<td>4.65</td>
<td>99</td>
<td>4.67</td>
<td>55</td>
<td>4.80</td>
<td>40</td>
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### Appendix D– Biomedicine Elements Sorted by Mean Importance

#### Elements Sorted by Mean Importance: Primary Practice Setting

<table>
<thead>
<tr>
<th>Elem</th>
<th>Description</th>
<th>Self-employed</th>
<th>Group practice</th>
<th>Other practice</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.1</td>
<td>Perform appropriate portions of a Western medical exam</td>
<td>3.76</td>
<td>4.15</td>
<td>3.96</td>
</tr>
<tr>
<td>I.2</td>
<td>Obtain blood pressure, pulse, temperature, and respiration</td>
<td>3.65</td>
<td>4.00</td>
<td>4.08</td>
</tr>
<tr>
<td>I.3</td>
<td>Perform physical examination as a ‘systems survey’</td>
<td>3.41</td>
<td>3.72</td>
<td>3.54</td>
</tr>
<tr>
<td>I.4</td>
<td>Measure weight / nutritional status (muscle wasting/...)</td>
<td>2.86</td>
<td>3.04</td>
<td>3.18</td>
</tr>
<tr>
<td>I.5</td>
<td>Evaluate the patient’s appetite, thirst, elimination and ...</td>
<td>4.28</td>
<td>4.06</td>
<td>4.10</td>
</tr>
<tr>
<td>I.6</td>
<td>Evaluate the patient’s menstrual/gynecological/ history</td>
<td>4.33</td>
<td>4.13</td>
<td>4.20</td>
</tr>
<tr>
<td>I.7</td>
<td>Evaluate the patient’s location and nature of pain</td>
<td>4.41</td>
<td>4.37</td>
<td>4.39</td>
</tr>
<tr>
<td>I.8</td>
<td>Examine various body areas/systems including abdominal,</td>
<td>3.36</td>
<td>3.43</td>
<td>3.32</td>
</tr>
<tr>
<td>I.9</td>
<td>Use a stethoscope to listen to the lungs and heart</td>
<td>2.68</td>
<td>3.00</td>
<td>2.96</td>
</tr>
<tr>
<td>I.10</td>
<td>Auscultate lung and heart sounds</td>
<td>2.61</td>
<td>2.60</td>
<td>2.86</td>
</tr>
<tr>
<td>I.11</td>
<td>Auscultate bowel sounds</td>
<td>2.44</td>
<td>2.40</td>
<td>2.78</td>
</tr>
<tr>
<td>I.12</td>
<td>Measure strength</td>
<td>3.12</td>
<td>3.23</td>
<td>3.38</td>
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<tr>
<td>I.13</td>
<td>Compare musculature from right to left</td>
<td>3.49</td>
<td>3.54</td>
<td>3.58</td>
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<tr>
<td>I.14</td>
<td>Test for reproduction of pain or other signs of reproducing</td>
<td>3.70</td>
<td>3.80</td>
<td>3.63</td>
</tr>
<tr>
<td>I.15</td>
<td>Palpate trigger and motor points for structural involvement</td>
<td>3.78</td>
<td>3.98</td>
<td>3.82</td>
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<tr>
<td>I.16</td>
<td>Perform and evaluate basic orthopedic examination</td>
<td>3.70</td>
<td>3.87</td>
<td>3.63</td>
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<td>I.17</td>
<td>Evaluate cognitive function for pathology</td>
<td>3.19</td>
<td>3.35</td>
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<tr>
<td>I.18</td>
<td>Test dermatomes for nerve involvement</td>
<td>2.98</td>
<td>3.31</td>
<td>3.27</td>
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<tr>
<td>I.19</td>
<td>Test for motor and sensory deficits</td>
<td>3.07</td>
<td>3.32</td>
<td>3.38</td>
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<tr>
<td>I.20</td>
<td>Test balance or coordination for impairment</td>
<td>3.08</td>
<td>3.27</td>
<td>3.31</td>
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<tr>
<td>I.21</td>
<td>Perform evaluation of normal reflexes and recognize the...</td>
<td>2.99</td>
<td>3.44</td>
<td>3.39</td>
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<tr>
<td>I.22</td>
<td>Perform evaluation of cranial nerves to determine possible</td>
<td>2.96</td>
<td>3.38</td>
<td>3.18</td>
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<tr>
<td>I.23</td>
<td>Explain to patients, in meaningful layman’s terms, ...</td>
<td>3.14</td>
<td>3.11</td>
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<tr>
<td>I.24</td>
<td>Integrate clinical findings to form diagnostic impression</td>
<td>3.61</td>
<td>3.79</td>
<td>3.65</td>
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<tr>
<td>I.25</td>
<td>Conduct muscle testing with various techniques</td>
<td>2.38</td>
<td>2.32</td>
<td>2.64</td>
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</table>
### Appendix D– Biomedicine Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Elem</th>
<th>Description</th>
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<th>Group practice</th>
<th>Other practice</th>
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<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>N</td>
<td>Mean</td>
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<tr>
<td>III.44</td>
<td>Identify and implement infection control precautions</td>
<td>4.79</td>
<td>279</td>
<td>4.70</td>
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<tr>
<td>IV.45a</td>
<td>Follow rules, regulations and statues: OSHA</td>
<td>4.70</td>
<td>280</td>
<td>4.81</td>
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<tr>
<td>IV.45b</td>
<td>Follow rules, regulations and statues: HIPAA</td>
<td>4.62</td>
<td>280</td>
<td>4.85</td>
</tr>
<tr>
<td>IV.45c</td>
<td>Follow rules, regulations and statues: Insurance regulations</td>
<td>4.21</td>
<td>279</td>
<td>4.34</td>
</tr>
<tr>
<td>IV.45d</td>
<td>Follow rules, regulations and statues: Reporting</td>
<td>4.56</td>
<td>279</td>
<td>4.60</td>
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<tr>
<td>IV.45e</td>
<td>Follow rules, regulations and statues: Biohazard</td>
<td>4.80</td>
<td>281</td>
<td>4.87</td>
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<tr>
<td>IV.45f</td>
<td>Follow rules, regulations and statues: Fire and safety</td>
<td>4.77</td>
<td>279</td>
<td>4.81</td>
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<tr>
<td>IV.46</td>
<td>Apply knowledge of rules and regulations of patient</td>
<td>4.87</td>
<td>278</td>
<td>4.87</td>
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<tr>
<td>IV.47</td>
<td>Comply with all professional and ethical standards and ...</td>
<td>4.89</td>
<td>281</td>
<td>4.89</td>
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<tr>
<td>IV.48</td>
<td>Maintain appropriate medical records in a confidential...</td>
<td>4.82</td>
<td>277</td>
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<tr>
<td>IV.49</td>
<td>Observe standard practice management procedures</td>
<td>4.81</td>
<td>273</td>
<td>4.85</td>
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<tr>
<td>IV.50</td>
<td>Consult with patients about medical decision making</td>
<td>4.78</td>
<td>279</td>
<td>4.79</td>
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<tr>
<td>IV.51</td>
<td>Understand requirements for licensure</td>
<td>4.85</td>
<td>279</td>
<td>4.83</td>
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<tr>
<td>IV.52</td>
<td>Use ICD codes</td>
<td>3.92</td>
<td>276</td>
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<tr>
<td>IV.53</td>
<td>Use CPT codes</td>
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<td>275</td>
<td>4.15</td>
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<tr>
<td>IV.54</td>
<td>Collaborate effectively with other members of the patient's...</td>
<td>4.39</td>
<td>277</td>
<td>4.53</td>
</tr>
<tr>
<td>IV.55</td>
<td>Take appropriate actions in cases of public health issues</td>
<td>4.67</td>
<td>278</td>
<td>4.62</td>
</tr>
<tr>
<td>IV.56</td>
<td>Make appropriate referrals</td>
<td>4.73</td>
<td>278</td>
<td>4.70</td>
</tr>
</tbody>
</table>
Appendix D– Biomedicine Elements Sorted by Mean Importance
Appendix E– Chinese Herbology Elements Sorted by Mean Importance

Elements Sorted by: Overall Mean Importance

Note:
1 - A complete description of all the tasks is presented in Appendices B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections
2 - Tasks sorted by importance rating have an "I" behind the task number
## Elements Sorted by: Overall Mean Importance

### ELEMENTS SORTED BY IMPORTANCE - TASKS

<table>
<thead>
<tr>
<th>Element</th>
<th>Definition</th>
<th>N</th>
<th>Mean</th>
<th>Std. Dev</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.9</td>
<td>Process/Prepare crude herbs for dispensing</td>
<td>194</td>
<td>2.35</td>
<td>1.45</td>
</tr>
<tr>
<td>I.8</td>
<td>Prepare/Compound external herbal formulas</td>
<td>197</td>
<td>2.85</td>
<td>1.44</td>
</tr>
<tr>
<td>I.13</td>
<td>Maintain grinder used to prepare herbal formulas</td>
<td>196</td>
<td>2.92</td>
<td>1.72</td>
</tr>
<tr>
<td>I.7</td>
<td>Write Rx (prescription) to be filled elsewhere by TCM Herbal</td>
<td>198</td>
<td>3.02</td>
<td>1.59</td>
</tr>
<tr>
<td>I.1</td>
<td>Establish/Maintain a TCM Herbal Pharmacy using raw herbs</td>
<td>199</td>
<td>3.05</td>
<td>1.45</td>
</tr>
<tr>
<td>I.4</td>
<td>Maintain Herbal Pharmacy using prepared tinctures/liquids</td>
<td>198</td>
<td>3.07</td>
<td>1.40</td>
</tr>
<tr>
<td>I.30</td>
<td>Record dates of scale calibration</td>
<td>192</td>
<td>3.18</td>
<td>1.56</td>
</tr>
<tr>
<td>I.3</td>
<td>Mix/Compound formulas using granules/powders/liquids</td>
<td>198</td>
<td>3.25</td>
<td>1.46</td>
</tr>
<tr>
<td>I.14</td>
<td>Maintain bowls used in the preparation of herbal formulas</td>
<td>195</td>
<td>3.28</td>
<td>1.67</td>
</tr>
<tr>
<td>I.32</td>
<td>Maintain procedures manual for dispensary activities</td>
<td>189</td>
<td>3.32</td>
<td>1.54</td>
</tr>
<tr>
<td>I.29</td>
<td>Record dates of sanitizing tools</td>
<td>193</td>
<td>3.35</td>
<td>1.53</td>
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<tr>
<td>I.5</td>
<td>Maintain/Recommend patent medicines for &quot;simple cases&quot;</td>
<td>195</td>
<td>3.44</td>
<td>1.26</td>
</tr>
<tr>
<td>I.27</td>
<td>Maintain records/reports of discards</td>
<td>195</td>
<td>3.47</td>
<td>1.44</td>
</tr>
<tr>
<td>I.20</td>
<td>Separate storage for external use or low dosage herbs from</td>
<td>193</td>
<td>3.48</td>
<td>1.54</td>
</tr>
<tr>
<td>I.15</td>
<td>Maintain scale used in the preparation of herbal formulas</td>
<td>194</td>
<td>3.54</td>
<td>1.62</td>
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<tr>
<td>I.21</td>
<td>Request from whole herb supplier(s) Certificate of Analysis</td>
<td>194</td>
<td>3.59</td>
<td>1.49</td>
</tr>
<tr>
<td>I.25</td>
<td>Evaluate botanical identification of herbs</td>
<td>195</td>
<td>3.62</td>
<td>1.44</td>
</tr>
<tr>
<td>I.31</td>
<td>Maintain records/reports of communications within the</td>
<td>191</td>
<td>3.62</td>
<td>1.46</td>
</tr>
<tr>
<td>I.22</td>
<td>Request from powdered herb supplier(s) a Certificate</td>
<td>195</td>
<td>3.70</td>
<td>1.45</td>
</tr>
<tr>
<td>III.46</td>
<td>Provide patient with copy of the herbal formula order</td>
<td>197</td>
<td>3.70</td>
<td>1.32</td>
</tr>
<tr>
<td>I.26</td>
<td>Maintain records/reports of returns</td>
<td>194</td>
<td>3.70</td>
<td>1.41</td>
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<tr>
<td>I.23</td>
<td>Request from pill supplier(s) a Certificate of Analysis</td>
<td>195</td>
<td>3.79</td>
<td>1.39</td>
</tr>
<tr>
<td>I.24</td>
<td>Identify the quality and medicinal characteristics of herbs</td>
<td>195</td>
<td>3.79</td>
<td>1.41</td>
</tr>
<tr>
<td>III.43</td>
<td>Apply external herbal applications</td>
<td>196</td>
<td>3.88</td>
<td>1.14</td>
</tr>
<tr>
<td>I.10</td>
<td>Maintain medication profiles of patients including registry</td>
<td>195</td>
<td>4.04</td>
<td>1.31</td>
</tr>
<tr>
<td>I.6</td>
<td>Manage inventory of herbal products to assure active</td>
<td>195</td>
<td>4.12</td>
<td>1.14</td>
</tr>
<tr>
<td>I.18</td>
<td>Evaluate purchased herbs for quality</td>
<td>194</td>
<td>4.22</td>
<td>1.27</td>
</tr>
<tr>
<td>II.38</td>
<td>Prescribe/Explain the correct method of decocting</td>
<td>197</td>
<td>4.22</td>
<td>1.29</td>
</tr>
<tr>
<td>I.16</td>
<td>Request from herb suppliers information concerning their</td>
<td>195</td>
<td>4.23</td>
<td>1.09</td>
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<tr>
<td>I.17</td>
<td>Monitor stored herbs for mold, infestation or contamination</td>
<td>197</td>
<td>4.27</td>
<td>1.25</td>
</tr>
<tr>
<td>I.28</td>
<td>Maintain records/reports of unexpected side effects</td>
<td>194</td>
<td>4.34</td>
<td>1.04</td>
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<tr>
<td>II.34</td>
<td>Explain the contrast between the characteristics of Western</td>
<td>198</td>
<td>4.38</td>
<td>0.98</td>
</tr>
<tr>
<td>I.12</td>
<td>Identify products containing endangered species</td>
<td>194</td>
<td>4.42</td>
<td>1.05</td>
</tr>
<tr>
<td>I.11</td>
<td>Identify products that are manufactured with GMP standards</td>
<td>198</td>
<td>4.45</td>
<td>1.01</td>
</tr>
<tr>
<td>I.19</td>
<td>Monitor herb supply, tinctures and other prepared</td>
<td>195</td>
<td>4.52</td>
<td>0.91</td>
</tr>
<tr>
<td>II.36</td>
<td>Gauge patient’s receptivity and vigor/anticipate patient’s</td>
<td>198</td>
<td>4.57</td>
<td>0.77</td>
</tr>
<tr>
<td>III.42</td>
<td>Educate patient about the use of herbs in food, nutritional ...</td>
<td>199</td>
<td>4.59</td>
<td>0.70</td>
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<tr>
<td>II.35</td>
<td>Prescribe appropriate form of administration of herbal</td>
<td>199</td>
<td>4.60</td>
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</table>
## Appendix E – Chinese Herbology Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Definition</th>
<th>N</th>
<th>Mean</th>
<th>Std. Dev</th>
</tr>
</thead>
<tbody>
<tr>
<td>II.37</td>
<td>Evaluate and adjust core formula relative to the constitution</td>
<td>197</td>
<td>4.63</td>
<td>0.78</td>
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<tr>
<td>III.45</td>
<td>Consult with patient on additional areas of concern</td>
<td>195</td>
<td>4.66</td>
<td>0.59</td>
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<tr>
<td>III.40</td>
<td>Explain the goals of herbal therapy to the patient and/or...</td>
<td>198</td>
<td>4.69</td>
<td>0.58</td>
</tr>
<tr>
<td>III.41</td>
<td>Advise patient of potential side-effects, precautions and ...</td>
<td>198</td>
<td>4.74</td>
<td>0.58</td>
</tr>
<tr>
<td>III.44</td>
<td>Evaluate the results of treatment by comparing the patient’s</td>
<td>196</td>
<td>4.77</td>
<td>0.47</td>
</tr>
<tr>
<td>II.33</td>
<td>Prescribe/dispense herbs taking into account precautions</td>
<td>199</td>
<td>4.85</td>
<td>0.42</td>
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### Elements Sorted by Mean Importance: Geographic Region

<table>
<thead>
<tr>
<th>ELEMENTS SORTED BY GEOGRAPHIC REGION - TASKS</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Definition</td>
<td>Mean</td>
<td>N</td>
<td>Mean</td>
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<tr>
<td>I.1</td>
<td>Establish/Maintain a TCM Herbal Pharmacy using raw herbs</td>
<td>3.10</td>
<td>39</td>
<td>3.07</td>
</tr>
<tr>
<td>I.2</td>
<td>Maintain an Herbal Pharmacy using granules and/or powders</td>
<td>3.21</td>
<td>39</td>
<td>3.64</td>
</tr>
<tr>
<td>I.3</td>
<td>Mix/Compound formulas using granules/powders/liquids</td>
<td>3.11</td>
<td>38</td>
<td>3.54</td>
</tr>
<tr>
<td>I.4</td>
<td>Maintain Herbal Pharmacy using prepared tinctures/liquids</td>
<td>3.26</td>
<td>39</td>
<td>3.36</td>
</tr>
<tr>
<td>I.5</td>
<td>Maintain/Recommend patent medicines for “simple cases”</td>
<td>3.66</td>
<td>38</td>
<td>3.39</td>
</tr>
<tr>
<td>I.6</td>
<td>Manage inventory of herbal products to assure active</td>
<td>4.10</td>
<td>39</td>
<td>4.14</td>
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<tr>
<td>I.7</td>
<td>Write Rx (prescription) to be filled elsewhere by TCM Herbal</td>
<td>3.62</td>
<td>39</td>
<td>2.82</td>
</tr>
<tr>
<td>I.8</td>
<td>Prepare/Compound external herbal formulas</td>
<td>3.23</td>
<td>39</td>
<td>2.82</td>
</tr>
<tr>
<td>I.9</td>
<td>Process/Prepare crude herbs for dispensing</td>
<td>2.71</td>
<td>38</td>
<td>2.22</td>
</tr>
<tr>
<td>I.10</td>
<td>Maintain medication profiles of patients including registry</td>
<td>4.56</td>
<td>39</td>
<td>3.86</td>
</tr>
<tr>
<td>I.11</td>
<td>Identify products that are manufactured with GMP standards</td>
<td>4.54</td>
<td>39</td>
<td>4.31</td>
</tr>
<tr>
<td>I.12</td>
<td>Identify products containing endangered species</td>
<td>4.44</td>
<td>39</td>
<td>4.52</td>
</tr>
<tr>
<td>I.13</td>
<td>Maintain grinder used to prepare herbal formulas</td>
<td>3.10</td>
<td>39</td>
<td>3.36</td>
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<tr>
<td>I.14</td>
<td>Maintain bowls used in the preparation of herbal formulas</td>
<td>3.13</td>
<td>38</td>
<td>3.64</td>
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<tr>
<td>I.15</td>
<td>Maintain scale used in the preparation of herbal formulas</td>
<td>3.28</td>
<td>39</td>
<td>3.85</td>
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<tr>
<td>I.16</td>
<td>Request from herb suppliers information concerning their</td>
<td>4.54</td>
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<td>4.07</td>
</tr>
<tr>
<td>I.17</td>
<td>Monitor stored herbs for mold, infestation or contamination</td>
<td>4.23</td>
<td>39</td>
<td>4.46</td>
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<td>I.18</td>
<td>Evaluate purchased herbs for quality</td>
<td>4.13</td>
<td>38</td>
<td>4.32</td>
</tr>
<tr>
<td>I.19</td>
<td>Monitor herb supply, tinctures and other prepared</td>
<td>4.62</td>
<td>39</td>
<td>4.56</td>
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<tr>
<td>I.20</td>
<td>Separate storage for external use or low dosage herbs from</td>
<td>3.76</td>
<td>38</td>
<td>3.89</td>
</tr>
<tr>
<td>I.21</td>
<td>Request from whole herb supplier(s) Certificate of Analysis</td>
<td>3.39</td>
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<td>3.86</td>
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<tr>
<td>I.22</td>
<td>Request from powdered herb supplier(s) a Certificate</td>
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<td>3.93</td>
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<tr>
<td>I.23</td>
<td>Request from pill supplier(s) a Certificate of Analysis</td>
<td>3.82</td>
<td>38</td>
<td>3.93</td>
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<tr>
<td>I.24</td>
<td>Identify the quality and medicinal characteristics of herbs</td>
<td>3.72</td>
<td>39</td>
<td>4.11</td>
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<td>I.25</td>
<td>Evaluate botanical identification of herbs</td>
<td>3.63</td>
<td>38</td>
<td>3.75</td>
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<tr>
<td>I.26</td>
<td>Maintain records/reports of returns</td>
<td>3.61</td>
<td>38</td>
<td>4.00</td>
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<tr>
<td>I.27</td>
<td>Maintain records/reports of discards</td>
<td>3.56</td>
<td>39</td>
<td>3.79</td>
</tr>
<tr>
<td>Element</td>
<td>Definition</td>
<td>Northeast</td>
<td>Midwest</td>
<td>South</td>
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<tr>
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<td>---------------------------------------------------------------------------</td>
<td>-----------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>I.28</td>
<td>Maintain records/reports of unexpected side effects</td>
<td>4.56</td>
<td>39</td>
<td>27</td>
</tr>
<tr>
<td>I.29</td>
<td>Record dates of sanitizing tools</td>
<td>3.41</td>
<td>37</td>
<td>28</td>
</tr>
<tr>
<td>I.30</td>
<td>Record dates of scale calibration</td>
<td>3.22</td>
<td>37</td>
<td>28</td>
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<tr>
<td>I.31</td>
<td>Maintain records/reports of communications within the</td>
<td>4.03</td>
<td>38</td>
<td>27</td>
</tr>
<tr>
<td>I.32</td>
<td>Maintain procedures manual for dispensary activities</td>
<td>3.14</td>
<td>35</td>
<td>27</td>
</tr>
<tr>
<td>II.33</td>
<td>Prescribe/dispense herbs taking into account precautions</td>
<td>4.89</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>II.34</td>
<td>Explain the contrast between the characteristics of Western</td>
<td>4.58</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>II.35</td>
<td>Prescribe appropriate form of administration of herbal</td>
<td>4.55</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>II.36</td>
<td>Gauge patient’s receptivity and vigor/anticipate patient’s</td>
<td>4.76</td>
<td>37</td>
<td>29</td>
</tr>
<tr>
<td>II.37</td>
<td>Evaluate and adjust core formula relative to the constitution</td>
<td>4.76</td>
<td>38</td>
<td>29</td>
</tr>
<tr>
<td>II.38</td>
<td>Prescribe/Explain the correct method of decocting</td>
<td>4.22</td>
<td>37</td>
<td>29</td>
</tr>
<tr>
<td>III.40</td>
<td>Explain the goals of herbal therapy to the patient and/or...</td>
<td>4.71</td>
<td>38</td>
<td>29</td>
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<tr>
<td>III.41</td>
<td>Advise patient of potential side-effects, precautions and ...</td>
<td>4.77</td>
<td>39</td>
<td>29</td>
</tr>
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<td>III.42</td>
<td>Educate patient about the use of herbs in food, nutritional ...</td>
<td>4.56</td>
<td>39</td>
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<tr>
<td>III.43</td>
<td>Apply external herbal applications</td>
<td>4.05</td>
<td>38</td>
<td>29</td>
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<tr>
<td>III.44</td>
<td>Evaluate the results of treatment by comparing the patient’s</td>
<td>4.71</td>
<td>38</td>
<td>28</td>
</tr>
<tr>
<td>III.45</td>
<td>Consult with patient on additional areas of concern</td>
<td>4.64</td>
<td>39</td>
<td>28</td>
</tr>
<tr>
<td>III.46</td>
<td>Provide patient with copy of the herbal formula order</td>
<td>3.74</td>
<td>39</td>
<td>29</td>
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</table>
### Appendix E– Chinese Herbology Elements Sorted by Mean Importance

#### Elements Sorted by Mean Importance: Years of Experience

<table>
<thead>
<tr>
<th>TASK ELEMENTS SORTED BY YEARS OF EXPERIENCE</th>
<th>0-5 yrs</th>
<th>6-10 yrs</th>
<th>11 plus yrs</th>
<th>Std.Dev</th>
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<tbody>
<tr>
<td>Element Description</td>
<td>Mean</td>
<td>N</td>
<td>Mean</td>
<td>N</td>
</tr>
<tr>
<td>I.1 Establish/Maintain a TCM Herbal Pharmacy using raw herbs</td>
<td>2.98</td>
<td>103</td>
<td>3.04</td>
<td>67</td>
</tr>
<tr>
<td>I.2 Maintain an Herbal Pharmacy using granules and/or powders</td>
<td>3.26</td>
<td>103</td>
<td>3.60</td>
<td>67</td>
</tr>
<tr>
<td>I.3 Mix/Compound formulas using granules/powders/liquids</td>
<td>3.10</td>
<td>102</td>
<td>3.45</td>
<td>67</td>
</tr>
<tr>
<td>I.4 Maintain Herbal Pharmacy using prepared tinctures/liquids</td>
<td>3.00</td>
<td>101</td>
<td>3.22</td>
<td>67</td>
</tr>
<tr>
<td>I.5 Maintain/Recommend patent medicines for “simple cases”</td>
<td>3.45</td>
<td>98</td>
<td>3.49</td>
<td>67</td>
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<tr>
<td>I.6 Manage inventory of herbal products to assure active</td>
<td>4.00</td>
<td>98</td>
<td>4.25</td>
<td>67</td>
</tr>
<tr>
<td>I.7 Write Rx (prescription) to be filled elsewhere by TCM Herbal</td>
<td>3.10</td>
<td>101</td>
<td>2.88</td>
<td>67</td>
</tr>
<tr>
<td>I.8 Prepare/Compound external herbal formulas</td>
<td>2.94</td>
<td>100</td>
<td>2.69</td>
<td>67</td>
</tr>
<tr>
<td>I.9 Process/Prepare crude herbs for dispensing</td>
<td>2.25</td>
<td>100</td>
<td>2.31</td>
<td>64</td>
</tr>
<tr>
<td>I.10 Maintain medication profiles of patients including registry</td>
<td>4.03</td>
<td>102</td>
<td>4.00</td>
<td>64</td>
</tr>
<tr>
<td>I.11 Identify products that are manufactured with GMP standards</td>
<td>4.43</td>
<td>103</td>
<td>4.42</td>
<td>66</td>
</tr>
<tr>
<td>I.12 Identify products containing endangered species</td>
<td>4.36</td>
<td>98</td>
<td>4.42</td>
<td>66</td>
</tr>
<tr>
<td>I.13 Maintain grinder used to prepare herbal formulas</td>
<td>2.87</td>
<td>100</td>
<td>2.98</td>
<td>66</td>
</tr>
<tr>
<td>I.14 Maintain bowls used in the preparation of herbal formulas</td>
<td>3.29</td>
<td>100</td>
<td>3.22</td>
<td>65</td>
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<tr>
<td>I.15 Maintain scale used in the preparation of herbal formulas</td>
<td>3.45</td>
<td>99</td>
<td>3.53</td>
<td>66</td>
</tr>
<tr>
<td>I.16 Request from herb suppliers information concerning their</td>
<td>4.24</td>
<td>100</td>
<td>4.32</td>
<td>65</td>
</tr>
<tr>
<td>I.17 Monitor stored herbs for mold, infestation or contamination</td>
<td>4.29</td>
<td>102</td>
<td>4.31</td>
<td>65</td>
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<tr>
<td>I.18 Evaluate purchased herbs for quality</td>
<td>4.26</td>
<td>101</td>
<td>4.17</td>
<td>66</td>
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<tr>
<td>I.19 Monitor herb supply, tinctures and other prepared</td>
<td>4.42</td>
<td>101</td>
<td>4.58</td>
<td>65</td>
</tr>
<tr>
<td>I.20 Separate storage for external use or low dosage herbs from</td>
<td>3.39</td>
<td>98</td>
<td>3.51</td>
<td>65</td>
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<tr>
<td>I.21 Request from whole herb supplier(s) Certificate of Analysis</td>
<td>3.59</td>
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<td>3.56</td>
<td>65</td>
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<tr>
<td>I.22 Request from powdered herb supplier(s) a Certificate</td>
<td>3.72</td>
<td>100</td>
<td>3.68</td>
<td>65</td>
</tr>
<tr>
<td>I.23 Request from pill supplier(s) a Certificate of Analysis</td>
<td>3.77</td>
<td>101</td>
<td>3.84</td>
<td>64</td>
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<tr>
<td>I.24 Identify the quality and medicinal characteristics of herbs</td>
<td>3.79</td>
<td>100</td>
<td>3.86</td>
<td>65</td>
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<tr>
<td>I.25 Evaluate botanical identification of herbs</td>
<td>3.54</td>
<td>100</td>
<td>3.74</td>
<td>65</td>
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<tr>
<td>I.26 Maintain records/reports of returns</td>
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<td>101</td>
<td>3.65</td>
<td>63</td>
</tr>
<tr>
<td>I.27 Maintain records/reports of discards</td>
<td>3.58</td>
<td>101</td>
<td>3.33</td>
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<tr>
<td>Element</td>
<td>Description</td>
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<td>Mean 6-10 yrs</td>
<td>Mean 11 plus yrs</td>
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<td>---------------</td>
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<tr>
<td>I.28</td>
<td>Maintain records/reports of unexpected side effects</td>
<td>4.27</td>
<td>4.28</td>
<td>4.67</td>
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<tr>
<td>I.29</td>
<td>Record dates of sanitizing tools</td>
<td>3.35</td>
<td>3.37</td>
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<tr>
<td>I.30</td>
<td>Record dates of scale calibration</td>
<td>3.16</td>
<td>3.17</td>
<td>3.19</td>
</tr>
<tr>
<td>I.31</td>
<td>Maintain records/reports of communications within the</td>
<td>3.61</td>
<td>3.63</td>
<td>3.69</td>
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<tr>
<td>I.32</td>
<td>Maintain procedures manual for dispensary activities</td>
<td>3.22</td>
<td>3.40</td>
<td>3.52</td>
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<tr>
<td>II.33</td>
<td>Prescribe/dispense herbs taking into account precautions</td>
<td>4.87</td>
<td>4.85</td>
<td>4.75</td>
</tr>
<tr>
<td>II.34</td>
<td>Explain the contrast between the characteristics of Western</td>
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<td>II.35</td>
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<td>II.36</td>
<td>Gauge patient's receptivity and vigor/anticipate patient's</td>
<td>4.55</td>
<td>4.57</td>
<td>4.64</td>
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<td>II.37</td>
<td>Evaluate and adjust core formula relative to the constitution</td>
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<td>4.54</td>
<td>4.74</td>
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<td>II.38</td>
<td>Prescribe/Explain the correct method of decocting</td>
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<td>3.98</td>
<td>4.54</td>
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<td>III.40</td>
<td>Explain the goals of herbal therapy to the patient and/or...</td>
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<td>4.79</td>
</tr>
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<td>III.42</td>
<td>Educate patient about the use of herbs in food, nutritional ...</td>
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<td>4.65</td>
<td>4.75</td>
</tr>
<tr>
<td>III.43</td>
<td>Apply external herbal applications</td>
<td>3.88</td>
<td>3.80</td>
<td>4.04</td>
</tr>
<tr>
<td>III.44</td>
<td>Evaluate the results of treatment by comparing the patient's</td>
<td>4.78</td>
<td>4.71</td>
<td>4.89</td>
</tr>
<tr>
<td>III.45</td>
<td>Consult with patient on additional areas of concern</td>
<td>4.65</td>
<td>4.60</td>
<td>4.82</td>
</tr>
<tr>
<td>III.46</td>
<td>Provide patient with copy of the herbal formula order</td>
<td>3.77</td>
<td>3.62</td>
<td>3.64</td>
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## Appendix E– Chinese Herbology Elements Sorted by Mean Importance

### Elements Sorted by Mean Importance: Primary Practice Setting

<table>
<thead>
<tr>
<th>TASK ELEMENTS SORTED BY PRACTICE SETTING</th>
<th>Self-Employed</th>
<th>Group Practice</th>
<th>Other Practice</th>
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<tbody>
<tr>
<td><strong>Element</strong></td>
<td>Mean</td>
<td>N</td>
<td>Mean</td>
</tr>
<tr>
<td>I.1 Establish/Maintain a TCM Herbal Pharmacy using raw herbs</td>
<td>2.94</td>
<td>130</td>
<td>3.45</td>
</tr>
<tr>
<td>I.2 Maintain an Herbal Pharmacy using granules and/or powders</td>
<td>3.38</td>
<td>131</td>
<td>3.85</td>
</tr>
<tr>
<td>I.3 Mix/Compound formulas using granules/powders/liquids</td>
<td>3.26</td>
<td>130</td>
<td>3.36</td>
</tr>
<tr>
<td>I.4 Maintain Herbal Pharmacy using prepared tinctures/liquids</td>
<td>3.13</td>
<td>129</td>
<td>2.91</td>
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<tr>
<td>I.5 Maintain/Recommend patent medicines for &quot;simple cases&quot;</td>
<td>3.53</td>
<td>128</td>
<td>3.38</td>
</tr>
<tr>
<td>I.6 Manage inventory of herbal products to assure active</td>
<td>4.29</td>
<td>127</td>
<td>4.28</td>
</tr>
<tr>
<td>I.7 Write Rx (prescription) to be filled elsewhere by TCM Herbal</td>
<td>2.85</td>
<td>130</td>
<td>2.88</td>
</tr>
<tr>
<td>I.8 Prepare/Compound external herbal formulas</td>
<td>2.84</td>
<td>128</td>
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<tr>
<td>I.9 Process/Prepare crude herbs for dispensing</td>
<td>2.36</td>
<td>126</td>
<td>2.48</td>
</tr>
<tr>
<td>I.10 Maintain medication profiles of patients including registry</td>
<td>4.06</td>
<td>127</td>
<td>3.82</td>
</tr>
<tr>
<td>I.11 Identify products that are manufactured with GMP standards</td>
<td>4.51</td>
<td>130</td>
<td>4.48</td>
</tr>
<tr>
<td>I.12 Identify products containing endangered species</td>
<td>4.46</td>
<td>127</td>
<td>4.53</td>
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<td>I.13 Maintain grinder used to prepare herbal formulas</td>
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<td>I.14 Maintain bowls used in the preparation of herbal formulas</td>
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<td>I.15 Maintain scale used in the preparation of herbal formulas</td>
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<td>I.16 Request from herb suppliers information concerning their</td>
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<td>I.17 Monitor stored herbs for mold, infestation or contamination</td>
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<td>I.18 Evaluate purchased herbs for quality</td>
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<td>I.19 Monitor herb supply, tinctures and other prepared</td>
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<td>I.20 Separate storage for external use or low dosage herbs from</td>
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<td>I.21 Request from whole herb supplier(s) Certificate of Analysis</td>
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<td>I.22 Request from powdered herb supplier(s) a Certificate</td>
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<td>I.23 Request from pill supplier(s) a Certificate of Analysis</td>
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<td>I.24 Identify the quality and medicinal characteristics of herbs</td>
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<tr>
<td>I.25 Evaluate botanical identification of herbs</td>
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<td>3.72</td>
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<td>I.26 Maintain records/reports of returns</td>
<td>3.68</td>
<td>127</td>
<td>3.84</td>
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<td>I.27 Maintain records/reports of discards</td>
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<td>Maintain records/reports of unexpected side effects</td>
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<td>Record dates of sanitizing tools</td>
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<td>Record dates of scale calibration</td>
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<td>Maintain records/reports of communications within the</td>
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<td>Maintain procedures manual for dispensary activities</td>
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<td>3.71</td>
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<td>II.33</td>
<td>Prescribe/dispense herbs taking into account</td>
<td>4.90</td>
<td>129</td>
<td>4.79</td>
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<td>Explain the contrast between the characteristics of Western</td>
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<td>4.33</td>
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<td>Prescribe appropriate form of administration of herbal</td>
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<td>4.52</td>
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<tr>
<td>II.36</td>
<td>Gauge patient's receptivity and vigor/anticipate patient's</td>
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<td>4.45</td>
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<td>Evaluate and adjust core formula relative to the constitution</td>
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<td>Prescribe/Explain the correct method of decocting</td>
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<td>4.22</td>
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<td>III.40</td>
<td>Explain the goals of herbal therapy to the patient and/or…</td>
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<td>Advise patient of potential side-effects, precautions and …</td>
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<td>Educate patient about the use of herbs in food, nutritional …</td>
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<tr>
<td>III.43</td>
<td>Apply external herbal applications</td>
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<td>Evaluate the results of treatment by comparing the patient's</td>
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<tr>
<td>III.45</td>
<td>Consult with patient on additional areas of concern</td>
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<tr>
<td>III.46</td>
<td>Provide patient with copy of the herbal formula order</td>
<td>3.67</td>
<td>130</td>
<td>3.53</td>
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</table>
Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

Elements Sorted by: Overall Mean Importance

Note:

1 - A complete description of all the tasks is presented in Appendices B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

2 - Tasks sorted by importance rating have an "I" behind the task number
## Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>N</th>
<th>Mean</th>
<th>Std. Dev</th>
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<tr>
<td>IV.113</td>
<td>Use Van Ng / Tran system in formulating a treatment...</td>
<td>615</td>
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<td>Use traditional Korean diagnostic methods</td>
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<td>Use Jeffery Yuen teachings in formulating a treatment ...</td>
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<td>Use Worsley diagnostic methods</td>
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<tr>
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<td>Use Master Tong system in formulating a treatment...</td>
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<tr>
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<td>Use Ba Gua in formulating a treatment principle</td>
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<tr>
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<td>Palpate radial pulses, using Shen/Hammer practice</td>
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<td>2.14</td>
<td>1.52</td>
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<tr>
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<td>Palpate abdomen, according to other non-Western ...</td>
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<tr>
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<td>Palpate radial pulses, using Worsley practice</td>
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<tr>
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<td>Determine the causative factor of patient's disease ...</td>
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<td>Use additional non-Western methods</td>
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<td>Listen to and assess respiratory sounds, Worsley practice</td>
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<tr>
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<td>Palpate radial pulses, using other non-Western practices</td>
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<td>Use Five Elements (Five Phases / Wu Xing) - Worsley</td>
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<td>Listen to and assess speech -Worsley practice</td>
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<td>Use Balance system (Richard Tan) in formulating ...</td>
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<td>Palpate regional pulses (carotid, umbilical, pedal)</td>
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<tr>
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<td>Use time of day or circadian rhythms in formulating...</td>
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<td>VI.140</td>
<td>Make dietary recommendations according to other dietary</td>
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<td>Smell and assess odor of secretions and excretions</td>
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<td>2.81</td>
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<td>Determine the mechanism of disorders (Bing Ji)</td>
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<td>VI.148</td>
<td>Instruct in self-moxa techniques</td>
<td>633</td>
<td>2.85</td>
<td>1.38</td>
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<td>Observe and assess physical characteristics -5 element</td>
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<td>Listen to and assess abdominal sounds</td>
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<td>Listen to and assess joint sounds</td>
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<td>Assess the flexibility of related meridians through ...</td>
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<td>Instruct in Qi Gong and/or Tai Ji (Tai Chi) techniques</td>
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<td>Evaluate signs and symptoms relative to muscle channels</td>
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<td>Instruct in self-massage techniques</td>
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<td>Palpate abdomen, according to traditional (TCM) practice</td>
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<td>Smell and assess breath and mouth odor</td>
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<td>Observe and assess teeth</td>
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<td>Instruct in other self-help techniques</td>
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<td>Examine and assess characteristics of secretions</td>
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<td>Use Six Stages differentiation (Shang Hun Lun) to ...</td>
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<td>Select an emotional/spiritual focus in formulating...</td>
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### Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

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<td>Use the Four Levels (Wei, Qi, Ying, Xue) to...</td>
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<td>Smell and assess general body odor</td>
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<td>Make dietary recommendations according to Western ...</td>
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<td>Evaluate signs and symptoms relative to regular and ...</td>
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<td>Evaluate signs and symptoms relative to Five Elements</td>
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<td>Refer patient to chiropractic practitioner, as indicated</td>
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<td>Instruct in stretching, movement, or exercise techniques</td>
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<td>Use seasonal/environmental factors in formulating...</td>
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<td>Instruct in relaxation or meditation techniques</td>
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<td>Observe and assess nose, mouth, and throat</td>
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<td>Palpate acupuncture points to determine energy char.</td>
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<td>Examine and assess hair, nails, and hands</td>
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<td>Examine and assess abdomen</td>
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<td>Use Root and Branch theory in formulating a treatment ..</td>
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<td>Examine and assess head, torso, and limbs</td>
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<td>Refer patient to other body therapies, as indicated</td>
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<td>Perform disease diagnosis</td>
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<td>3.93</td>
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<tr>
<td>VI.133</td>
<td>Provide written follow-up instructions and/or handouts</td>
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<td>For male patients, ask about reproductive functioning</td>
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<td>Obtain patient's family health history filling out a form</td>
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<td>Incorporate patient's living circumstances, and family,...</td>
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<td>Palpate joints and examine range of motion, ..</td>
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<td>Ask about preferences and cravings for tastes or flavors</td>
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<td>Record history of patient's other medical treatments</td>
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<td>Ask about nose, mouth, throat, and teeth</td>
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<td>IV.117</td>
<td>Incorporate impact of patient's use of medications...</td>
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<td>Record patient's family health history via patient interview</td>
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<td>Refer patient to other adjunctive therapies</td>
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<td>Listen to and assess tonal qualities and strength of voice</td>
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<td>Incorporate impact of patient's substance use, including ...</td>
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<td>4.09</td>
<td>1.05</td>
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</table>
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<td>II.50</td>
<td>Examine and assess skin</td>
<td>646</td>
<td>4.09</td>
<td>0.96</td>
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<tr>
<td>II.75</td>
<td>Palpate acupuncture points to assess patient’s sensation</td>
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<tr>
<td>II.39</td>
<td>Ask about skin conditions</td>
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<td>4.10</td>
<td>0.96</td>
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<tr>
<td>I.11</td>
<td>Record information regarding patient’s living situation, etc.</td>
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<td>4.11</td>
<td>0.94</td>
</tr>
<tr>
<td>II.37</td>
<td>Ask about tinnitus (ear ringing)</td>
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<td>4.12</td>
<td>0.97</td>
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<tr>
<td>V.127</td>
<td>Refer patient to mental health or social services, etc.</td>
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<td>1.07</td>
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<tr>
<td>VI.136</td>
<td>Describe how body mechanics and ergonomics affect mental health</td>
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<td>0.98</td>
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<td>Ask about ears and hearing</td>
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<td>V.128</td>
<td>Refer patient to substance use treatment, as indicated</td>
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<td>1.12</td>
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<td>Ask about characteristics of urine</td>
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<td>4.17</td>
<td>0.99</td>
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<tr>
<td>II.38</td>
<td>Ask about eyes and vision</td>
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<td>4.19</td>
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<td>Ask about urogenital pain or irregularities</td>
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<tr>
<td>VI.138</td>
<td>Make dietary recommendations according to Oriental medicine, etc.</td>
<td>642</td>
<td>4.23</td>
<td>0.95</td>
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<td>Record history of patient's Oriental medicine treatments</td>
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<td>0.95</td>
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<tr>
<td>II.46</td>
<td>Observe and assess eyes</td>
<td>645</td>
<td>4.26</td>
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<tr>
<td>III.87</td>
<td>Evaluate signs and symptoms relative to Essential subst., etc.</td>
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<td>Evaluate signs and symptoms relative to Eight Principles</td>
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<tr>
<td>II.24</td>
<td>Ask about thirst, including temperature and taste pref.</td>
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<tr>
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<td>Observe and assess face</td>
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<td>Determine the effected Zang Fu system</td>
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<td>Evaluate signs and symptoms relative to Organ Theory</td>
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<tr>
<td>II.45</td>
<td>Observe and assess complexion and luster</td>
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<tr>
<td>II.42</td>
<td>Observe and assess physical characteristics-Trad.Chinese</td>
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</tr>
<tr>
<td>VI.134</td>
<td>Explain Oriental medicine theory, as appropriate</td>
<td>643</td>
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<td>0.85</td>
</tr>
<tr>
<td>II.27</td>
<td>Ask about characteristics of stool</td>
<td>652</td>
<td>4.36</td>
<td>0.86</td>
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<tr>
<td>II.19</td>
<td>Ask about patterns and nature of perspiration/sweating</td>
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<td>4.36</td>
<td>0.85</td>
</tr>
<tr>
<td>IV.119</td>
<td>Incorporate patient’s mental and/or emotional factors, etc.</td>
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<tr>
<td>VI.132</td>
<td>Provide pre-treatment orientation</td>
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<tr>
<td>I.10</td>
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<tr>
<td>IV.106</td>
<td>Evaluate patient's constitutional strength/weakness in Oriental medicine</td>
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<tr>
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<td>Assess pathogenic factors, according to traditional (TCM)</td>
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<td>III.83</td>
<td>Evaluate signs and symptoms relative to Yin and Yang</td>
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<td>Ask about secretions and excretions</td>
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<td>Palpate radial pulses, using (TCM) practice</td>
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<td>0.80</td>
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<tr>
<td>II.28</td>
<td>Ask about urination</td>
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<td>0.77</td>
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<tr>
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<td>Record information regarding patient’s dietary habits, etc.</td>
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<td>0.75</td>
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</table>
## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
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<th>Std. Dev</th>
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<td>I.16</td>
<td>Determine patient’s comfort level with physical contact..</td>
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<td>0.84</td>
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<td>Obtain patient’s health history via filling out a form</td>
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<tr>
<td>V.124</td>
<td>Refer patient to Western medicine practitioner, ...</td>
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<tr>
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<td>Ask about abdominal bloating or distress</td>
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<td>0.73</td>
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<tr>
<td>VI.135</td>
<td>Explain the healing process and how it may affect treat...</td>
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<td>0.76</td>
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<td>Palpate areas of tenderness on body to determine ...</td>
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<td>Ask about appetite and digestion</td>
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<td>0.73</td>
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<tr>
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<td>Perform differential diagnosis</td>
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<tr>
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<td>Record history of patient’s Western medicine treatments</td>
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<td>Record information regarding patient’s mental and/or..</td>
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<tr>
<td>III.84</td>
<td>Evaluate signs and symptoms relative to Excess (Shi) / ..</td>
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<tr>
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<tr>
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<td>4.54</td>
<td>0.71</td>
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<tr>
<td>II.34</td>
<td>Ask about bodily sensations</td>
<td>652</td>
<td>4.54</td>
<td>0.71</td>
</tr>
<tr>
<td>VI.137</td>
<td>Recommend lifestyle changes to restore or promote ...</td>
<td>644</td>
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<td>0.70</td>
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<tr>
<td>II.32</td>
<td>For female patients, ask about reproductive functioning</td>
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<td>4.58</td>
<td>0.72</td>
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<tr>
<td>II.49</td>
<td>Observe and assess tongue (body and coating)</td>
<td>651</td>
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<tr>
<td>IV.102</td>
<td>Formulate treatment principle</td>
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<td>0.69</td>
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<td>Observe and assess Shen (spirit)</td>
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<tr>
<td>II.26</td>
<td>Ask about bowel elimination</td>
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<td>4.66</td>
<td>0.61</td>
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<td>II.21</td>
<td>Ask about sleep patterns and difficulties</td>
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<td>4.69</td>
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<td>Record information regarding patient’s use of prescription..</td>
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<td>Obtain patient’s written informed consent for treatment</td>
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<tr>
<td>II.33</td>
<td>For female patients, ask about current pregnancy status</td>
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<tr>
<td>V.122</td>
<td>Evaluate and record results of treatment, and revise ...</td>
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<td>V.121</td>
<td>Assess and record changes in signs and symptoms</td>
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<td>I.4</td>
<td>Record patient’s health history via patient interview</td>
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<td>I.1</td>
<td>Obtain patient’s identifying information</td>
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<tr>
<td>V.131</td>
<td>Record progress notes for each patient</td>
<td>639</td>
<td>4.84</td>
<td>0.49</td>
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<tr>
<td>II.18</td>
<td>Ask about nature, intensity, and location of pain, ...</td>
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<td>4.85</td>
<td>0.42</td>
</tr>
<tr>
<td>V.130</td>
<td>Keep a written medical record for each patient</td>
<td>643</td>
<td>4.88</td>
<td>0.42</td>
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</table>
## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

### Elements Sorted by Mean Importance: Geographic Region

<table>
<thead>
<tr>
<th>ELEMENTS SORTED BY GEOGRAPHIC REGION</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elements</td>
<td>Mean N</td>
<td>Mean N</td>
<td>Mean N</td>
<td>Mean N</td>
</tr>
<tr>
<td>I.1 Obtain patient’s identifying information</td>
<td>4.81 157</td>
<td>4.82 99</td>
<td>4.73 135</td>
<td>4.82 234</td>
</tr>
<tr>
<td>I.2 Obtain patient’s written informed consent for treatment</td>
<td>4.76 157</td>
<td>4.74 99</td>
<td>4.74 135</td>
<td>4.65 233</td>
</tr>
<tr>
<td>I.3 Obtain patient’s health history via filling out a form</td>
<td>4.46 155</td>
<td>4.47 99</td>
<td>4.63 134</td>
<td>4.30 233</td>
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<tr>
<td>I.4 Record patient’s health history via patient interview</td>
<td>4.79 157</td>
<td>4.82 97</td>
<td>4.84 135</td>
<td>4.74 234</td>
</tr>
<tr>
<td>I.5 Obtain patient’s family health history filling out a form</td>
<td>3.98 157</td>
<td>4.02 99</td>
<td>4.11 132</td>
<td>3.82 231</td>
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<tr>
<td>I.6 Record patient’s family health history via patient interview</td>
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<td>4.12 99</td>
<td>4.05 135</td>
<td>4.00 235</td>
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<td>I.7 Record history of patient’s Western medicine treatments</td>
<td>4.52 157</td>
<td>4.53 98</td>
<td>4.53 133</td>
<td>4.51 233</td>
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<td>I.8 Record history of patient’s Oriental medicine treatments</td>
<td>4.31 154</td>
<td>4.31 97</td>
<td>4.25 133</td>
<td>4.21 234</td>
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<tr>
<td>I.9 Record history of patient’s other medical treatments</td>
<td>4.10 156</td>
<td>3.89 97</td>
<td>4.08 135</td>
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<td>I.10 Record information regarding patient’s occupation...</td>
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<td>4.27 99</td>
<td>4.40 134</td>
<td>4.36 233</td>
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<tr>
<td>I.11 Record information regarding patient’s living situation...</td>
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<td>3.99 98</td>
<td>4.08 134</td>
<td>4.12 235</td>
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<td>I.12 Record information regarding patient’s mental and/or...</td>
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<td>4.55 98</td>
<td>4.49 134</td>
<td>4.53 235</td>
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<td>I.13 Record information regarding patient’s dietary habits...</td>
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<td>4.44 99</td>
<td>4.42 134</td>
<td>4.43 233</td>
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<td>I.14 Record information regarding patient’s use of prescription...</td>
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<td>4.70 97</td>
<td>4.67 135</td>
<td>4.71 233</td>
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<tr>
<td>I.15 Record information regarding patient’s substance use...</td>
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<td>4.59 97</td>
<td>4.50 135</td>
<td>4.54 235</td>
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<td>I.16 Determine patient’s comfort level with physical contact...</td>
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<td>4.41 98</td>
<td>4.45 135</td>
<td>4.51 235</td>
</tr>
<tr>
<td>II.17 Ask about sensations of hot or cold, chills or fever</td>
<td>4.49 156</td>
<td>4.54 98</td>
<td>4.58 133</td>
<td>4.56 238</td>
</tr>
<tr>
<td>II.18 Ask about nature, intensity, and location of pain...</td>
<td>4.84 157</td>
<td>4.84 99</td>
<td>4.83 134</td>
<td>4.87 238</td>
</tr>
<tr>
<td>II.19 Ask about patterns and nature of perspiration/sweating</td>
<td>4.29 155</td>
<td>4.39 99</td>
<td>4.45 132</td>
<td>4.36 238</td>
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<tr>
<td>II.20 Ask about secretions and excretions</td>
<td>4.30 157</td>
<td>4.36 99</td>
<td>4.54 134</td>
<td>4.40 238</td>
</tr>
<tr>
<td>II.21 Ask about sleep patterns and difficulties</td>
<td>4.67 156</td>
<td>4.67 99</td>
<td>4.71 133</td>
<td>4.70 238</td>
</tr>
<tr>
<td>II.22 Ask about preferences and cravings for tastes or flavors</td>
<td>4.03 156</td>
<td>3.97 99</td>
<td>4.00 133</td>
<td>3.98 238</td>
</tr>
<tr>
<td>II.23 Ask about appetite and digestion</td>
<td>4.50 156</td>
<td>4.57 99</td>
<td>4.54 134</td>
<td>4.48 236</td>
</tr>
<tr>
<td>II.24 Ask about thirst, including temperature and taste pref.</td>
<td>4.51 157</td>
<td>4.33 99</td>
<td>4.35 133</td>
<td>4.29 237</td>
</tr>
<tr>
<td>II.25 Ask about abdominal bloating or distress</td>
<td>4.40 156</td>
<td>4.50 98</td>
<td>4.54 131</td>
<td>4.43 236</td>
</tr>
<tr>
<td>II.26 Ask about bowel elimination</td>
<td>4.62 154</td>
<td>4.69 97</td>
<td>4.66 131</td>
<td>4.68 234</td>
</tr>
<tr>
<td>II.27 Ask about characteristics of stool</td>
<td>4.37 155</td>
<td>4.31 98</td>
<td>4.44 134</td>
<td>4.35 237</td>
</tr>
<tr>
<td>II.28 Ask about urination</td>
<td>4.43 154</td>
<td>4.38 98</td>
<td>4.50 133</td>
<td>4.46 233</td>
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</tbody>
</table>
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<thead>
<tr>
<th>Elements</th>
<th>Description</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South</th>
<th>West</th>
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</thead>
<tbody>
<tr>
<td>II.29</td>
<td>Ask about characteristics of urine</td>
<td>4.38</td>
<td>155</td>
<td>4.14</td>
<td>99</td>
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<tr>
<td>II.30</td>
<td>Ask about urogenital pain or irregularities</td>
<td>4.20</td>
<td>152</td>
<td>4.22</td>
<td>96</td>
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<tr>
<td>II.31</td>
<td>For male patients, ask about reproductive functioning</td>
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<td>155</td>
<td>3.97</td>
<td>99</td>
</tr>
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<td>II.32</td>
<td>For female patients, ask about reproductive functioning</td>
<td>4.60</td>
<td>157</td>
<td>4.51</td>
<td>99</td>
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<tr>
<td>II.33</td>
<td>For female patients, ask about current pregnancy status</td>
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<td>4.65</td>
<td>99</td>
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<td>II.34</td>
<td>Ask about bodily sensations</td>
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<td>156</td>
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<td>99</td>
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<td>II.35</td>
<td>Ask about breathing and chest constriction</td>
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<td>Ask about ears and hearing</td>
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<td>157</td>
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<td>Ask about tinnitus (ear ringing)</td>
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<td>Ask about skin conditions</td>
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<td>II.40</td>
<td>Ask about nose, mouth, throat, and teeth</td>
<td>4.06</td>
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<tr>
<td>II.41</td>
<td>Observe and assess physical characteristics - 5 element</td>
<td>2.88</td>
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<td>II.42</td>
<td>Observe and assess physical characteristics - Trad.Chinese</td>
<td>4.35</td>
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<td>II.43</td>
<td>Observe and assess Shen (spirit)</td>
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<td>4.62</td>
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<td>II.44</td>
<td>Observe and assess face</td>
<td>4.32</td>
<td>154</td>
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<td>II.45</td>
<td>Observe and assess complexion and luster</td>
<td>4.33</td>
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<td>II.46</td>
<td>Observe and assess eyes</td>
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<td>II.47</td>
<td>Observe and assess nose, mouth, and throat</td>
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<td>Observe and assess teeth</td>
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<td>Observe and assess tongue (body and coating)</td>
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<td>Examine and assess skin</td>
<td>4.11</td>
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<td>Examine and assess abdomen</td>
<td>3.78</td>
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<td>II.52</td>
<td>Examine and assess head, torso, and limbs</td>
<td>3.81</td>
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<td>3.73</td>
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<tr>
<td>II.53</td>
<td>Examine and assess characteristics of secretions</td>
<td>3.36</td>
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<tr>
<td>II.54</td>
<td>Examine and assess hair, nails, and hands</td>
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<tr>
<td>II.55</td>
<td>Listen to and assess tonal qualities and strength of voice</td>
<td>4.09</td>
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<td>II.56</td>
<td>Listen to and assess respiratory sounds, Worsley practice</td>
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<td>II.57</td>
<td>Listen to and assess respiratory sounds, (TCM) practice</td>
<td>3.65</td>
<td>155</td>
<td>3.68</td>
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### Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
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<th>Midwest</th>
<th>South</th>
<th>West</th>
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<tr>
<td>II.58</td>
<td>Listen to and assess speech - Worsley practice</td>
<td>2.34</td>
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<td>Listen to and assess speech - (TCM) practice</td>
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<td>Listen to and assess abdominal sounds</td>
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<td>Listen to and assess joint sounds</td>
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<td>Smell and assess general body odor</td>
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<td>II.64</td>
<td>Smell and assess odor of secretions and excretions</td>
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<td>II.65</td>
<td>Palpate radial pulses, using (TCM) practice</td>
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<td>Palpate radial pulses, using Worsley practice</td>
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<td>Palpate radial pulses, using other non-Western practices</td>
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<td>Palpate areas of tenderness on body to determine ...</td>
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<td>Palpate abdomen, according to traditional Japanese ...</td>
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<td>II.73</td>
<td>Palpate joints and examine range of motion, ...</td>
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<td>Palpate regional pulses (carotid, umbilical, pedal)</td>
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<td>2.83</td>
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<td>II.75</td>
<td>Palpate acupuncture points to assess patient's sensation</td>
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<td>Palpate acupuncture points to determine energy char.</td>
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<td>Palpate the pathway of related meridians</td>
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<td>Assess the flexibility of related meridians through ...</td>
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<td>Perform disease diagnosis</td>
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<td>3.95</td>
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<td>III.80</td>
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<td>Determine the primary syndrome/symptom (Zhu Zheng)</td>
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<td>Evaluate signs and symptoms relative to Eight Principles</td>
<td>4.29</td>
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<td>Evaluate signs and symptoms relative to Yin and Yang</td>
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<td>Evaluate signs and symptoms relative to Excess (Shi) / ...</td>
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<td>III.85</td>
<td>Evaluate signs and symptoms relative to Five Elements</td>
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## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
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<tr>
<th>Elements</th>
<th>Description</th>
<th>Northeast</th>
<th>Midwest</th>
<th>South</th>
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<tr>
<td>III.86</td>
<td>Evaluate signs and symptoms relative to Organ Theory</td>
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<td>Evaluate signs and symptoms relative to Essential subst...</td>
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<td>Evaluate signs and symptoms relative to regular and ..</td>
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<td>Evaluate signs and symptoms relative to extraordinary</td>
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<td>Evaluate signs and symptoms relative to divergent chan...</td>
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<td>Evaluate signs and symptoms relative to muscle channels</td>
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<td>III.92</td>
<td>Determine the effected Zang Fu system</td>
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<td>Determine the causative factor of patient’s disease ...</td>
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<td>Assess pathogenic factors, according to traditional (TCM)</td>
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<td>III.95</td>
<td>Use Six Stages differentiation (Shang Hun Lun) to ...</td>
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<td>Use the Four Levels (Wei, Qi, Ying, Xue) to ...</td>
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<td>Use traditional Japanese diagnostic methods</td>
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<td>Determine the mechanism of disorders (Bing Ji)</td>
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<td>Use traditional Korean diagnostic methods</td>
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<td>Use Worsley diagnostic methods</td>
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<td>Use additional non-Western methods</td>
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<td>IV.102</td>
<td>Formulate treatment principle</td>
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<td>Use Eight Principles in formulating a treatment principle</td>
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<td>Use Five Elements (Five Phases / Wu Xing) - Worsley</td>
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<td>Use Five Elements (Five Phases / Wu Xing) - (TCM) theory</td>
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<td>Evaluate patient’s constitutional strength/weakness in ...</td>
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<td>Use Root and Branch theory in formulating a treatment ...</td>
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<td>Use seasonal/environmental factors in formulating...</td>
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<td>Use time of day or circadian rhythms in formulating...</td>
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<td>Use Ba Gua in formulating a treatment principle</td>
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<td>Use Balance system (Richard Tan) in formulating ...</td>
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<td>Use Master Tong system in formulating a treatment...</td>
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<td>Select an emotional/spiritual focus in formulating</td>
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<td>Incorporate impact of patient’s use of medications</td>
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<td>Incorporate patient’s living circumstances, and family</td>
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<td>Assess and record changes in signs and symptoms</td>
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<td>Evaluate and record results of treatment, and revise</td>
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<td>Refer patient to other Oriental medicine practitioner</td>
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<tr>
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<td>Refer patient to Western medicine practitioner, ...</td>
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<td>Refer patient to chiropractic practitioner, as indicated</td>
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<td>Refer patient to other body therapies, as indicated</td>
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<td>Refer patient to mental health or social services, ...</td>
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<td>Refer patient to substance use treatment, as indicated</td>
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<td>Refer patient to other adjunctive therapies</td>
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<td>Keep a written medical record for each patient</td>
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<td>Record progress notes for each patient</td>
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<td>VI.132</td>
<td>Provide pre-treatment orientation</td>
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<tr>
<td>VI.133</td>
<td>Provide written follow-up instructions and/or handouts</td>
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<td>VI.134</td>
<td>Explain Oriental medicine theory, as appropriate</td>
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<td>VI.135</td>
<td>Explain the healing process and how it may affect treat</td>
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<td>VI.136</td>
<td>Describe how body mechanics and ergonomics affect</td>
<td>4.22</td>
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<td>Recommend lifestyle changes to restore or promote</td>
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<td>Make dietary recommendations according to Oriental</td>
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<td>Make dietary recommendations according to Western</td>
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<td>Make dietary recommendations according to other dietary</td>
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## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

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<td>VI.142</td>
<td>Instruct in Qi Gong and/or Tai Ji (Tai Chi) techniques</td>
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<td>Instruct in stretching, movement, or exercise techniques</td>
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<td>Instruct in self-massage techniques</td>
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## Elements Sorted by Mean Importance: Years of Experience
## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

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<td>Obtain patient’s identifying information</td>
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<td>Obtain patient’s written informed consent for treatment</td>
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<td>Obtain patient’s health history via filling out a form</td>
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<td>Record patient’s health history via patient interview</td>
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<td>Obtain patient’s family health history filling out a form</td>
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<td>Record patient’s family health history via patient interview</td>
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<td>Record history of patient’s Western medicine treatments</td>
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<td>Record history of patient’s Oriental medicine treatments</td>
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<td>1.9</td>
<td>Record history of patient’s other medical treatments</td>
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<td>Record information regarding patient’s occupation,..</td>
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<td>Record information regarding patient’s living situation,..</td>
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<td>Record information regarding patient’s mental and/or..</td>
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<td>Record information regarding patient’s dietary habits,..</td>
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<td>Record information regarding patient’s use of prescription,..</td>
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<td>Record information regarding patient’s substance use,..</td>
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<td>Determine patient’s comfort level with physical contact,..</td>
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<td>1.17</td>
<td>Ask about sensations of hot or cold, chills or fever</td>
<td>4.51</td>
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<td>1.18</td>
<td>Ask about nature, intensity, and location of pain,..</td>
<td>4.83</td>
<td>267</td>
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<td>1.19</td>
<td>Ask about patterns and nature of perspiration/sweating</td>
<td>4.37</td>
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<tr>
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<td>Ask about secretions and excretions</td>
<td>4.42</td>
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<tr>
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<td>Ask about sleep patterns and difficulties</td>
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<tr>
<td>1.22</td>
<td>Ask about preferences and cravings for tastes or flavors</td>
<td>3.94</td>
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<td>Ask about appetite and digestion</td>
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<td>Ask about thirst, including temperature and taste pref.</td>
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<td>Ask about abdominal bloating or distress</td>
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<td>Ask about bowel elimination</td>
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<td>Ask about characteristics of stool</td>
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<td>Ask about urination</td>
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## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

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<td>II.29</td>
<td>Ask about characteristics of urine</td>
<td>4.27 266</td>
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<td>II.30</td>
<td>Ask about urogenital pain or irregularities</td>
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<td>II.31</td>
<td>For male patients, ask about reproductive functioning</td>
<td>3.88 267</td>
<td>3.97 204</td>
<td>4.06 98</td>
<td>4.00 80</td>
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<tr>
<td>II.32</td>
<td>For female patients, ask about reproductive functioning</td>
<td>4.56 268</td>
<td>4.61 203</td>
<td>4.61 98</td>
<td>4.55 82</td>
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<tr>
<td>II.33</td>
<td>For female patients, ask about current pregnancy status</td>
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<td>4.75 203</td>
<td>4.75 99</td>
<td>4.68 81</td>
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<tr>
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<td>Ask about bodily sensations</td>
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<td>Ask about breathing and chest constriction</td>
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<td>Ask about ears and hearing</td>
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<td>Ask about tinnitus (ear ringing)</td>
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<td>4.09 204</td>
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<tr>
<td>II.38</td>
<td>Ask about eyes and vision</td>
<td>4.21 266</td>
<td>4.22 203</td>
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<tr>
<td>II.39</td>
<td>Ask about skin conditions</td>
<td>4.09 265</td>
<td>4.15 203</td>
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<tr>
<td>II.40</td>
<td>Ask about nose, mouth, throat, and teeth</td>
<td>4.02 263</td>
<td>4.10 201</td>
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<tr>
<td>II.41</td>
<td>Observe and assess physical characteristics - 5 element</td>
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<td>Observe and assess physical characteristics - Trad.Chinese</td>
<td>4.31 266</td>
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<tr>
<td>II.43</td>
<td>Observe and assess Shen (spirit)</td>
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<td>Observe and assess face</td>
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<td>Observe and assess complexion and luster</td>
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<td>Observe and assess eyes</td>
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<td>4.32 201</td>
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<td>Observe and assess nose, mouth, and throat</td>
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<td>II.48</td>
<td>Observe and assess teeth</td>
<td>3.35 265</td>
<td>3.42 202</td>
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<td>3.20 80</td>
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<td>Observe and assess tongue (body and coating)</td>
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<td>Examine and assess skin</td>
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<td>Examine and assess abdomen</td>
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<td>3.84 199</td>
<td>3.98 94</td>
<td>3.91 79</td>
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<td>II.52</td>
<td>Examine and assess head, torso, and limbs</td>
<td>3.81 262</td>
<td>3.93 198</td>
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<td>3.96 79</td>
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<td>Examine and assess characteristics of secretions</td>
<td>3.41 264</td>
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<td>Examine and assess hair, nails, and hands</td>
<td>3.80 265</td>
<td>3.89 199</td>
<td>3.99 96</td>
<td>3.80 79</td>
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<td>Listen to and assess tonal qualities and strength of voice</td>
<td>3.97 265</td>
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<td>Listen to and assess respiratory sounds, Worsley practice</td>
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<td>2.27 202</td>
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<td>2.41 79</td>
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<td>II.57</td>
<td>Listen to and assess respiratory sounds, TCM practice</td>
<td>3.68 263</td>
<td>3.80 204</td>
<td>3.97 96</td>
<td>3.55 77</td>
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### Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>0-5 yrs</th>
<th>6-10 yrs</th>
<th>11-15 yrs</th>
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<td>Listen to and assess speech - Worsley practice</td>
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<td>Listen to and assess speech - (TCM) practice</td>
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<td>Listen to and assess abdominal sounds</td>
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<td>Listen to and assess joint sounds</td>
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<td>Smell and assess general body odor</td>
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<td>Smell and assess breath and mouth odor</td>
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<td>II.64</td>
<td>Smell and assess odor of secretions and excretions</td>
<td>2.81</td>
<td>2.70</td>
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<tr>
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<td>Palpate radial pulses, using (TCM) practice</td>
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<td>4.49</td>
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<td>Palpate radial pulses, using Shen/Hammer practice</td>
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<td>2.17</td>
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<td>II.67</td>
<td>Palpate radial pulses, using Worsley practice</td>
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<tr>
<td>II.68</td>
<td>Palpate radial pulses, using other non-Western practices</td>
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<td>2.16</td>
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<td>Palpate areas of tenderness on body to determine ...</td>
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<td>4.57</td>
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<td>Palpate abdomen, according to traditional Japanese ...</td>
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<td>2.65</td>
<td>2.96</td>
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<td>Palpate abdomen, according to traditional (TCM) practice</td>
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<td>Palpate abdomen, according to other non-Western ...</td>
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<td>Palpate joints and examine range of motion, ...</td>
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<td>Palpate regional pulses (carotid, umbilical, pedal)</td>
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<td>2.60</td>
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<td>Palpate acupuncture points to assess patient’s sensation</td>
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<td>4.08</td>
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<tr>
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<td>Palpate acupuncture points to determine energy char.</td>
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<td>3.92</td>
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<td>Palpate the pathway of related meridians</td>
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<td>3.59</td>
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<td>Assess the flexibility of related meridians through ...</td>
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<td>Perform disease diagnosis</td>
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<td>III.80</td>
<td>Perform differential diagnosis</td>
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<td>4.45</td>
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<td>4.43</td>
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<td>Determine the primary syndrome/symptom (Zhu Zheng)</td>
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<td>III.82</td>
<td>Evaluate signs and symptoms relative to Eight Principles</td>
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<td>III.83</td>
<td>Evaluate signs and symptoms relative to Yin and Yang</td>
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<td>III.84</td>
<td>Evaluate signs and symptoms relative to Excess (Shi) / ..</td>
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<td>4.54</td>
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<tr>
<td>III.85</td>
<td>Evaluate signs and symptoms relative to Five Elements</td>
<td>3.51</td>
<td>3.48</td>
<td>3.64</td>
<td>3.86</td>
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### Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>0-5 yrs</th>
<th>6-10 yrs</th>
<th>11-15 yrs</th>
<th>16 plus yrs</th>
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<tr>
<td>II.86</td>
<td>Evaluate signs and symptoms relative to Organ Theory</td>
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<td>260</td>
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<tr>
<td>II.87</td>
<td>Evaluate signs and symptoms relative to Essential subst...</td>
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<td>256</td>
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<td>II.88</td>
<td>Evaluate signs and symptoms relative to regular and ...</td>
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<td>II.89</td>
<td>Evaluate signs and symptoms relative to extraordinary</td>
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<td>II.90</td>
<td>Evaluate signs and symptoms relative to divergent chan...</td>
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<td>2.99</td>
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<tr>
<td>II.91</td>
<td>Evaluate signs and symptoms relative to muscle channels</td>
<td>3.33</td>
<td>257</td>
<td>3.20</td>
<td>196</td>
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<tr>
<td>II.92</td>
<td>Determine the effected Zang Fu system</td>
<td>4.33</td>
<td>256</td>
<td>4.28</td>
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<tr>
<td>II.93</td>
<td>Determine the causative factor of patient’s disease</td>
<td>2.29</td>
<td>254</td>
<td>2.13</td>
<td>196</td>
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<tr>
<td>II.94</td>
<td>Assess pathogenic factors, according to traditional (TCM)</td>
<td>4.38</td>
<td>256</td>
<td>4.42</td>
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<tr>
<td>II.95</td>
<td>Use Six Stages differentiation (Shang Hun Lun) to ...</td>
<td>3.41</td>
<td>259</td>
<td>3.46</td>
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<tr>
<td>II.96</td>
<td>Use the Four Levels (Wei, Qi, Ying, Xue) to ...</td>
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<td>3.54</td>
<td>200</td>
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<tr>
<td>II.97</td>
<td>Use traditional Japanese diagnostic methods</td>
<td>2.10</td>
<td>254</td>
<td>2.08</td>
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<tr>
<td>II.98</td>
<td>Determine the mechanism of disorders (Bing Ji)</td>
<td>2.85</td>
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<td>2.86</td>
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<tr>
<td>II.99</td>
<td>Use traditional Korean diagnostic methods</td>
<td>1.64</td>
<td>254</td>
<td>1.58</td>
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<tr>
<td>II.100</td>
<td>Use Worsley diagnostic methods</td>
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<td>254</td>
<td>1.86</td>
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<tr>
<td>II.101</td>
<td>Use additional non-Western methods</td>
<td>2.22</td>
<td>254</td>
<td>2.20</td>
<td>190</td>
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<tr>
<td>IV.102</td>
<td>Formulate treatment principle</td>
<td>4.68</td>
<td>261</td>
<td>4.58</td>
<td>197</td>
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<tr>
<td>IV.103</td>
<td>Use Eight Principles in formulating a treatment principle</td>
<td>4.17</td>
<td>257</td>
<td>3.94</td>
<td>195</td>
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<tr>
<td>IV.104</td>
<td>Use Five Elements (Five Phases / Wu Xing) - Worsley</td>
<td>2.42</td>
<td>259</td>
<td>2.24</td>
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<tr>
<td>IV.105</td>
<td>Use Five Elements (Five Phases / Wu Xing) - (TCM) theory</td>
<td>3.47</td>
<td>262</td>
<td>3.47</td>
<td>196</td>
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<tr>
<td>IV.106</td>
<td>Evaluate patient’s constitutional strength/weakness in ...</td>
<td>4.43</td>
<td>263</td>
<td>4.32</td>
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<tr>
<td>IV.107</td>
<td>Use Root and Branch theory in formulating a treatment ...</td>
<td>3.93</td>
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<td>3.81</td>
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<tr>
<td>IV.108</td>
<td>Use seasonal/environmental factors in formulating...</td>
<td>3.68</td>
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<td>3.79</td>
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<tr>
<td>IV.109</td>
<td>Use time of day or circadian rhythms in formulating...</td>
<td>2.72</td>
<td>259</td>
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<tr>
<td>IV.110</td>
<td>Use Ba Gua in formulating a treatment principle</td>
<td>2.09</td>
<td>259</td>
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<tr>
<td>IV.111</td>
<td>Use Balance system (Richard Tan) in formulating ...</td>
<td>2.62</td>
<td>258</td>
<td>2.33</td>
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<tr>
<td>IV.112</td>
<td>Use Master Tong system in formulating a treatment...</td>
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<td>257</td>
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<tr>
<td>IV.113</td>
<td>Use Van Ng / Tran system in formulating a treatment...</td>
<td>1.56</td>
<td>256</td>
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<tr>
<td>IV.114</td>
<td>Use Jeffery Yuen teachings in formulating a treatment...</td>
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<td>IV.115</td>
<td>Use other non-Western systems or styles in formulating...</td>
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<td>IV.116</td>
<td>Select an emotional/spiritual focus in formulating...</td>
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<td>IV.117</td>
<td>Incorporate patient's use of medications...</td>
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<td>IV.118</td>
<td>Incorporate impact of patient's substance use, including...</td>
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<tr>
<td>IV.119</td>
<td>Incorporate patient's mental and/or emotional factors...</td>
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<td>IV.120</td>
<td>Incorporate patient's living circumstances, and family,...</td>
<td>3.90</td>
<td>4.00</td>
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<td>V.121</td>
<td>Assess and record changes in signs and symptoms</td>
<td>4.79</td>
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<td>V.122</td>
<td>Evaluate and record results of treatment, and revise...</td>
<td>4.79</td>
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<td>V.123</td>
<td>Refer patient to other Oriental medicine practitioner,...</td>
<td>3.92</td>
<td>3.74</td>
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<tr>
<td>V.124</td>
<td>Refer patient to Western medicine practitioner,...</td>
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<tr>
<td>V.125</td>
<td>Refer patient to chiropractic practitioner, as indicated</td>
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<tr>
<td>V.126</td>
<td>Refer patient to other body therapies, as indicated</td>
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<td>V.127</td>
<td>Refer patient to mental health or social services,...</td>
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<td>V.128</td>
<td>Refer patient to substance use treatment, as indicated</td>
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<tr>
<td>V.129</td>
<td>Refer patient to other adjunctive therapies</td>
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<td>4.02</td>
<td>4.05</td>
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<td>V.130</td>
<td>Keep a written medical record for each patient</td>
<td>4.92</td>
<td>4.87</td>
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<tr>
<td>V.131</td>
<td>Record progress notes for each patient</td>
<td>4.86</td>
<td>4.85</td>
<td>4.91</td>
<td>4.69</td>
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<tr>
<td>VI.132</td>
<td>Provide pre-treatment orientation</td>
<td>4.45</td>
<td>4.32</td>
<td>4.48</td>
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<tr>
<td>VI.133</td>
<td>Provide written follow-up instructions and/or handouts</td>
<td>4.02</td>
<td>3.90</td>
<td>4.11</td>
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<tr>
<td>VI.134</td>
<td>Explain Oriental medicine theory, as appropriate</td>
<td>4.29</td>
<td>4.39</td>
<td>4.54</td>
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<tr>
<td>VI.135</td>
<td>Explain the healing process and how it may affect treatment...</td>
<td>4.46</td>
<td>4.52</td>
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<tr>
<td>VI.136</td>
<td>Describe how body mechanics and ergonomics affect...</td>
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<td>4.13</td>
<td>4.28</td>
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<tr>
<td>VI.137</td>
<td>Recommend lifestyle changes to restore or promote...</td>
<td>4.59</td>
<td>4.56</td>
<td>4.60</td>
<td>4.47</td>
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<tr>
<td>VI.138</td>
<td>Make dietary recommendations according to Oriental...</td>
<td>3.43</td>
<td>3.14</td>
<td>4.29</td>
<td>3.99</td>
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<tr>
<td>VI.139</td>
<td>Make dietary recommendations according to Western...</td>
<td>3.65</td>
<td>3.38</td>
<td>3.49</td>
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<tr>
<td>VI.140</td>
<td>Make dietary recommendations according to other dietary</td>
<td>2.80</td>
<td>2.66</td>
<td>2.69</td>
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<tr>
<td>VI.141</td>
<td>Recommend topical preparations</td>
<td>3.55</td>
<td>3.42</td>
<td>3.36</td>
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<tr>
<td>VI.142</td>
<td>Instruct in Qi Gong and/or Tai Ji (Tai Chi) techniques</td>
<td>3.29</td>
<td>3.13</td>
<td>3.05</td>
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<tr>
<td>VI.143</td>
<td>Instruct in stretching, movement, or exercise techniques</td>
<td>3.70</td>
<td>3.59</td>
<td>3.47</td>
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<tr>
<td>VI.144</td>
<td>Instruct in breathing techniques</td>
<td>3.72</td>
<td>3.60</td>
<td>3.53</td>
<td>3.60</td>
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<tr>
<td>VI.145</td>
<td>Instruct in relaxation or meditation techniques</td>
<td>3.80</td>
<td>3.66</td>
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<tr>
<td>VI.146</td>
<td>Instruct in self-acupressure techniques</td>
<td>3.56</td>
<td>3.37</td>
<td>3.45</td>
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<tr>
<td>VI.147</td>
<td>Instruct in self-massage techniques</td>
<td>3.35</td>
<td>3.10</td>
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<td>3.31</td>
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<tr>
<td>VI.148</td>
<td>Instruct in self-moxa techniques</td>
<td>2.94</td>
<td>2.76</td>
<td>2.93</td>
<td>2.76</td>
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<tr>
<td>VI.149</td>
<td>Instruct in other self-help techniques</td>
<td>3.40</td>
<td>3.36</td>
<td>3.41</td>
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</table>

Elements Sorted by Mean Importance: Primary Practice Setting
# Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

## Elements Sorted by Primary Practice Setting

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Self-Employed</th>
<th>Group Practice</th>
<th>Other</th>
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<tbody>
<tr>
<td>I.1</td>
<td>Obtain patient’s identifying information</td>
<td>4.81</td>
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<tr>
<td>I.2</td>
<td>Obtain patient’s written informed consent for treatment</td>
<td>4.66</td>
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<tr>
<td>I.3</td>
<td>Obtain patient’s health history via filling out a form</td>
<td>4.42</td>
<td>4.60</td>
<td>4.48</td>
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<tr>
<td>I.4</td>
<td>Record patient’s health history via patient interview</td>
<td>4.82</td>
<td>4.71</td>
<td>4.71</td>
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<tr>
<td>I.5</td>
<td>Obtain patient’s family health history filling out a form</td>
<td>3.91</td>
<td>4.04</td>
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<tr>
<td>I.6</td>
<td>Record patient’s family health history via patient interview</td>
<td>4.06</td>
<td>3.94</td>
<td>4.13</td>
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<tr>
<td>I.7</td>
<td>Record history of patient’s Western medicine treatments</td>
<td>4.52</td>
<td>4.49</td>
<td>4.52</td>
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<tr>
<td>I.8</td>
<td>Record history of patient’s Oriental medicine treatments</td>
<td>4.23</td>
<td>4.19</td>
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<tr>
<td>I.9</td>
<td>Record history of patient’s other medical treatments</td>
<td>4.01</td>
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<td>4.07</td>
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<tr>
<td>I.10</td>
<td>Record information regarding patient’s occupation,…</td>
<td>4.42</td>
<td>4.24</td>
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<tr>
<td>I.11</td>
<td>Record information regarding patient’s living situation,…</td>
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<tr>
<td>I.12</td>
<td>Record information regarding patient’s mental and/or…</td>
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<td>4.36</td>
<td>4.53</td>
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<tr>
<td>I.13</td>
<td>Record information regarding patient’s dietary habits…</td>
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<tr>
<td>I.14</td>
<td>Record information regarding patient’s use of prescription,…</td>
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<td>4.57</td>
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<tr>
<td>I.15</td>
<td>Record information regarding patient’s substance use…</td>
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<td>4.31</td>
<td>4.52</td>
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<tr>
<td>I.16</td>
<td>Determine patient’s comfort level with physical contact…</td>
<td>4.46</td>
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<td>4.55</td>
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<tr>
<td>II.17</td>
<td>Ask about sensations of hot or cold, chills or fever</td>
<td>4.56</td>
<td>4.51</td>
<td>4.44</td>
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<tr>
<td>II.18</td>
<td>Ask about nature, intensity, and location of pain,…</td>
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<tr>
<td>II.19</td>
<td>Ask about patterns and nature of perspiration/sweating</td>
<td>4.39</td>
<td>4.32</td>
<td>4.27</td>
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<tr>
<td>II.20</td>
<td>Ask about secretions and excretions</td>
<td>4.43</td>
<td>4.32</td>
<td>4.29</td>
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<tr>
<td>II.21</td>
<td>Ask about sleep patterns and difficulties</td>
<td>4.73</td>
<td>4.65</td>
<td>4.55</td>
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<tr>
<td>II.22</td>
<td>Ask about preferences and cravings for tastes or flavors</td>
<td>4.03</td>
<td>3.96</td>
<td>3.86</td>
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<tr>
<td>II.23</td>
<td>Ask about appetite and digestion</td>
<td>4.54</td>
<td>4.44</td>
<td>4.39</td>
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<tr>
<td>II.24</td>
<td>Ask about thirst, including temperature and taste pref.</td>
<td>4.34</td>
<td>4.20</td>
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<td>II.25</td>
<td>Ask about abdominal bloating or distress</td>
<td>4.49</td>
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<td>II.26</td>
<td>Ask about bowel elimination</td>
<td>4.67</td>
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<td>II.27</td>
<td>Ask about characteristics of stool</td>
<td>4.39</td>
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<td>II.28</td>
<td>Ask about urination</td>
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<td>N</td>
<td>Mean</td>
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<td>II.29</td>
<td>Ask about characteristics of urine</td>
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<td>473</td>
<td>4.13</td>
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<tr>
<td>II.30</td>
<td>Ask about urogenital pain or irregularities</td>
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<td>II.31</td>
<td>For male patients, ask about reproductive functioning</td>
<td>3.97</td>
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<td>II.32</td>
<td>For female patients, ask about reproductive functioning</td>
<td>4.64</td>
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<td>4.44</td>
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<td>II.33</td>
<td>For female patients, ask about current pregnancy status</td>
<td>4.78</td>
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<td>4.69</td>
</tr>
<tr>
<td>II.34</td>
<td>Ask about bodily sensations</td>
<td>4.58</td>
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<td>II.35</td>
<td>Ask about breathing and chest constriction</td>
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<td>II.36</td>
<td>Ask about ears and hearing</td>
<td>4.20</td>
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<td>Ask about tinnitus (ear ringing)</td>
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<td>Ask about eyes and vision</td>
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<td>II.39</td>
<td>Ask about skin conditions</td>
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<td>Ask about nose, mouth, throat, and teeth</td>
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<td>II.41</td>
<td>Observe and assess physical characteristics - 5 element</td>
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<td>Observe and assess physical characteristics-Trad.Chinese</td>
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<td>Observe and assess Shen (spirit)</td>
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<td>Observe and assess face</td>
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<td>Observe and assess complexion and luster</td>
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<td>Observe and assess eyes</td>
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<td>Observe and assess nose, mouth, and throat</td>
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<td>Observe and assess tongue (body and coating)</td>
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<td>Examine and assess abdomen</td>
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<td>II.52</td>
<td>Examine and assess head, torso, and limbs</td>
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<td>Examine and assess characteristics of secretions</td>
<td>3.38</td>
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<td>II.54</td>
<td>Examine and assess hair, nails, and hands</td>
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<tr>
<td>II.55</td>
<td>Listen to and assess tonal qualities and strength of voice</td>
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<td>II.56</td>
<td>Listen to and assess respiratory sounds, Worsley practice</td>
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<td>II.57</td>
<td>Listen to and assess respiratory sounds, (TCM) practice</td>
<td>3.74</td>
<td>462</td>
<td>3.63</td>
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## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
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<tr>
<th>Element</th>
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<th>Group Practice</th>
<th>Other</th>
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<tr>
<td>II.58</td>
<td>Listen to and assess speech - Worsley practice</td>
<td>2.39 (455)</td>
<td>2.56 (78)</td>
<td>2.65 (83)</td>
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<td>Listen to and assess speech - (TCM) practice</td>
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<td>3.72 (83)</td>
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<td>Listen to and assess abdominal sounds</td>
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<td>3.14 (84)</td>
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<td>II.61</td>
<td>Listen to and assess joint sounds</td>
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<td>3.18 (83)</td>
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<tr>
<td>II.62</td>
<td>Smell and assess general body odor</td>
<td>3.54 (462)</td>
<td>3.44 (77)</td>
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<td>Smell and assess breath and mouth odor</td>
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<td>3.20 (80)</td>
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<tr>
<td>II.64</td>
<td>Smell and assess odor of secretions and excretions</td>
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<td>2.77 (77)</td>
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<td>II.65</td>
<td>Palpate radial pulses, using (TCM) practice</td>
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<td>4.46 (76)</td>
<td>4.43 (84)</td>
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<td>II.66</td>
<td>Palpate radial pulses, using Shen/Hammer practice</td>
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<td>2.15 (75)</td>
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<td>Palpate radial pulses, using Worsley practice</td>
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<td>2.04 (76)</td>
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<td>Palpate radial pulses, using other non-Western practices</td>
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<td>II.69</td>
<td>Palpate areas of tenderness on body to determine ...</td>
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<td>II.70</td>
<td>Palpate abdomen, according to traditional Japanese ...</td>
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<td>II.71</td>
<td>Palpate abdomen, according to traditional (TCM) practice</td>
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<td>II.72</td>
<td>Palpate abdomen, according to other non-Western ...</td>
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<td>Palpate joints and examine range of motion, ...</td>
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<td>Palpate regional pulses (carotid, umbilical, pedal)</td>
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<td>II.75</td>
<td>Palpate acupuncture points to assess patient’s sensation</td>
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<td>3.91 (79)</td>
<td>4.08 (84)</td>
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<td>Palpate the pathway of related meridians</td>
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<td>Assess the flexibility of related meridians through ...</td>
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<td>Perform disease diagnosis</td>
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<td>4.05 (80)</td>
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<tr>
<td>III.80</td>
<td>Perform differential diagnosis</td>
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<td>III.81</td>
<td>Determine the primary syndrome/symptom (Zhu Zheng)</td>
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<td>III.82</td>
<td>Evaluate signs and symptoms relative to Eight Principles</td>
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<td>III.83</td>
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<td>III.84</td>
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<td>III.85</td>
<td>Evaluate signs and symptoms relative to Five Elements</td>
<td>3.58 (462)</td>
<td>3.43 (77)</td>
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</table>
## Appendix F – Foundations of Oriental Medicine Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
<th>Self-Employed</th>
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<th>Other</th>
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<td>Evaluate signs and symptoms relative to Essential subst...</td>
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<td>Evaluate signs and symptoms relative to extraordinary</td>
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<td>Evaluate signs and symptoms relative to muscle channels</td>
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<td>Determine the effected Zang Fu system</td>
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<td>Determine the causative factor of patient’s disease ..</td>
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<td>Assess pathogenic factors, according to traditional (TCM)</td>
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<td>Use Six Stages differentiation (Shang Hun Lun) to ..</td>
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<td>Use the Four Levels (Wei, Qi, Ying, Xue) to ...</td>
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<td>Determine the mechanism of disorders (Bing Ji)</td>
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<td>Use additional non-Western methods</td>
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<td>Use Eight Principles in formulating a treatment principle</td>
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<td>Use Five Elements (Five Phases / Wu Xing) - Worsley</td>
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<td>Use Five Elements (Five Phases / Wu Xing) -(TCM) theory</td>
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<td>Evaluate patient’s constitutional strength/weakness in ..</td>
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<td>Use time of day or circadian rhythms in formulating,..</td>
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<td>Use Balance system (Richard Tan) in formulating ...</td>
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<td>Use Jeffery Yuen teachings in formulating a treatment</td>
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<td>Use other non-Western systems or styles in formulating</td>
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<td>Incorporate impact of patient’s use of medications</td>
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<td>Incorporate patient’s living circumstances, and family,</td>
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<td>Assess and record changes in signs and symptoms</td>
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<td>Evaluate and record results of treatment, and revise</td>
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<td>Refer patient to other Oriental medicine practitioner,</td>
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<td>Refer patient to Western medicine practitioner,</td>
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<td>Refer patient to chiropractic practitioner, as indicated</td>
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<td>V.126</td>
<td>Refer patient to other body therapies, as indicated</td>
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<tr>
<td>V.127</td>
<td>Refer patient to mental health or social services,</td>
<td>4.18</td>
<td>3.97</td>
<td>4.10</td>
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<tr>
<td>V.128</td>
<td>Refer patient to substance use treatment, as indicated</td>
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<td>3.92</td>
<td>4.18</td>
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<tr>
<td>V.129</td>
<td>Refer patient to other adjunctive therapies</td>
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<td>Keep a written medical record for each patient</td>
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<td>V.131</td>
<td>Record progress notes for each patient</td>
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<td>Provide pre-treatment orientation</td>
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<td>VI.133</td>
<td>Provide written follow-up instructions and/or handouts</td>
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<td>Describe how body mechanics and ergonomics affect</td>
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<td>Recommend lifestyle changes to restore or promote</td>
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<td>4.49</td>
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<tr>
<td>VI.138</td>
<td>Make dietary recommendations according to Oriental</td>
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## Appendix F– Foundations of Oriental Medicine Elements Sorted by Mean Importance

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<tr>
<td>VI.141</td>
<td>Recommend topical preparations</td>
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<td>VI.142</td>
<td>Instruct in Qi Gong and/or Tai Ji (Tai Chi) techniques</td>
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Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

Elements Sorted by: Overall Mean Importance

Note:

1 - A complete description of all the tasks is presented in Appendices B: 2008 JTA Survey Questionnaire: Demographic Section and Tasks Sub-Sections

2 - Tasks sorted by importance rating have an "I" behind the task number
## Appendix G – Asian Bodywork Therapy Elements Sorted by Mean Importance

### ELEMENTS SORTED BY MEAN IMPORTANCE

<table>
<thead>
<tr>
<th>Element</th>
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<th>Std. Dev</th>
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<td>Perform Chi Nei Tsang</td>
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<td>1.54</td>
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<td>Use electrostimulation on acupoints</td>
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<td>Apply direct Moxibustion</td>
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<td>Perform another form of Asian Bodywork</td>
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<td>Perform Shiatsu Anma Therapy</td>
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<td>Apply magnets (aka body pellets) to acupoints</td>
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<td>Apply essential oils on acupoints</td>
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<td>Perform Medical QiQong</td>
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<td>1.62</td>
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<td>Perform guasha</td>
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<td>Apply auricular acupressure with ear seeds/beads or ...</td>
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<td>Apply external Chinese herbal preparations</td>
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<td>Use plucking techniques</td>
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<td>1.48</td>
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<td>I.35</td>
<td>Use cupping</td>
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<td>2.91</td>
<td>1.52</td>
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<tr>
<td>I.39</td>
<td>Use indirect Moxibustion</td>
<td>36</td>
<td>2.92</td>
<td>1.40</td>
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<td>I.25</td>
<td>Use rhythymical striking/percussion</td>
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<td>1.25</td>
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<td>I.41</td>
<td>Application of Heat/Cold (e.g., TDP lamp)</td>
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<td>Stroke lightly along the channels</td>
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<td>1.38</td>
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<tr>
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<td>Chafe/stroke vigorously to warm the channels</td>
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<td>1.39</td>
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<td>Perform Zen Shiatsu</td>
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<td>3.30</td>
<td>1.70</td>
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<td>I.8</td>
<td>Perform Tuina</td>
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<td>3.31</td>
<td>1.67</td>
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<td>I.2</td>
<td>Perform Shiatsu</td>
<td>36</td>
<td>3.42</td>
<td>1.78</td>
</tr>
<tr>
<td>I.26</td>
<td>Apply finger pressure with pumping movement to ...</td>
<td>36</td>
<td>3.42</td>
<td>1.38</td>
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<td>I.21</td>
<td>Apply oscillating motions</td>
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<td>3.43</td>
<td>1.29</td>
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<tr>
<td>I.47</td>
<td>Use guided imagery/visualization and/or breathing...</td>
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<td>I.22</td>
<td>Use grasping/compressing of meridians and points</td>
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<td>3.74</td>
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## Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

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<td>Move compression along a channel</td>
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<td>Apply rhythmic pressure on the meridians</td>
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<td>Use circling pressure with palm, thumb, or finger</td>
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<td>Hold appropriate Local and Distal point combinations...</td>
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<td>Apply perpendicular pressure techniques on...</td>
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Elements Sorted by Mean Importance: Geographic Region

*NOTE:* The states are categorized according to the four regions U.S. Census Bureau classification system. Due to the low numbers of respondents in Northeast, Midwest, and Western states, these three classifications were grouped together. Individuals who listed Unspecified or outside of the Country were not included in the analysis, due to low numbers of respondents in these categories.

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<td>Use grasping/compressing of meridians and points</td>
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<td>3.32</td>
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<td>Stroke lightly along the channels</td>
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<td>Chafe/stroke vigorously to warm the channels</td>
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<td>3.00</td>
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<tr>
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<td>Use rhythmical striking/percussion</td>
<td>3.20</td>
<td>15</td>
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<td>20</td>
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<td>Apply finger pressure with pumping movement to ...</td>
<td>3.33</td>
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<td>1.59</td>
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<td>Use plucking techniques</td>
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Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

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<td>Apply rhythmic pressure on the meridians</td>
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<td>Hold appropriate Local and Distal point combinations...</td>
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<td>Hold, stretch, compress or palpate along meridians...</td>
<td>4.40</td>
<td>4.24</td>
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<td>I.34</td>
<td>Perform passive or active joint movement</td>
<td>4.47</td>
<td>4.00</td>
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<td>I.35</td>
<td>Use cupping</td>
<td>3.14</td>
<td>2.85</td>
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<td>Perform guasha</td>
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<td>Apply external Chinese herbal preparations</td>
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<td>I.38</td>
<td>Apply direct Moxibustion</td>
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<td>Use indirect Moxibustion</td>
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<td>Use traditional healing sounds during treatment</td>
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<td>Application of Heat/Cold (e.g., TDP lamp)</td>
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<td>Apply auricular acupressure with ear seeds/beads or...</td>
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<td>Apply essential oils on acupoints</td>
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<td>Apply magnets (aka body pellets) to acupoints</td>
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<td>Use tuning forks on acupoints</td>
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<td>1.74</td>
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<td>I.46</td>
<td>Use electrostimulation on acupoints</td>
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<td>1.85</td>
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<td>I.47</td>
<td>Use guided imagery/visualization and/or breathing...</td>
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Elements Sorted by Mean Importance: Years of Experience
# Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

## Elements Sorted by Years of Experience

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<td>1.21</td>
<td>3.08</td>
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<td>3.15</td>
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## Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

### Elements Sorted by Mean Importance: Primary Practice Setting

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<th>Std.Dev 6+ Years</th>
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<td>Apply rhythmic pressure on the meridians</td>
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<td>4.21</td>
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<td>Use indirect Moxibustion</td>
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<td>Application of Heat/Cold (e.g., TDP lamp)</td>
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<td>Apply auricular acupressure with ear seeds/beads or...</td>
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<td>Apply essential oils on acupoints</td>
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<td>Apply magnets (aka body pellets) to acupoints</td>
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<td>Use guided imagery/visualization and/or breathing...</td>
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## Appendix G – Asian Bodywork Therapy Elements Sorted by Mean Importance

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<td>Perform Shiatsu Anma Therapy</td>
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<td>Perform Integrative Eclectic Shiatsu</td>
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<td>Perform Five Element Shiatsu</td>
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<td>Perform Macrobiotic Shiatsu</td>
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<td>Perform Zen Shiatsu</td>
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<td>Use grasping/compressing of meridians and points</td>
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<td>I.23</td>
<td>Stroke lightly along the channels</td>
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<td>Chafe/stroke vigorously to warm the channels</td>
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<td>Use rhythmical striking/percussion</td>
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<tr>
<td>I.26</td>
<td>Apply finger pressure with pumping movement to ...</td>
<td>3.39</td>
</tr>
<tr>
<td>I.27</td>
<td>Move compression along a channel</td>
<td>3.82</td>
</tr>
<tr>
<td>I.28</td>
<td>Use plucking techniques</td>
<td>2.85</td>
</tr>
</tbody>
</table>
Appendix G– Asian Bodywork Therapy Elements Sorted by Mean Importance

<table>
<thead>
<tr>
<th>Element</th>
<th>Definition</th>
<th>Self-Employed</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mean</td>
<td>N</td>
</tr>
<tr>
<td>I.29</td>
<td>Use circling pressure with palm, thumb, or finger</td>
<td>3.82</td>
<td>28</td>
</tr>
<tr>
<td>I.30</td>
<td>Apply perpendicular pressure techniques on...</td>
<td>4.30</td>
<td>27</td>
</tr>
<tr>
<td>I.31</td>
<td>Apply rhythmic pressure on the meridians</td>
<td>3.93</td>
<td>28</td>
</tr>
<tr>
<td>I.32</td>
<td>Hold appropriate Local and Distal point combinations...</td>
<td>4.03</td>
<td>29</td>
</tr>
<tr>
<td>I.33</td>
<td>Hold, stretch, compress or palpate along meridians...</td>
<td>4.45</td>
<td>29</td>
</tr>
<tr>
<td>I.34</td>
<td>Perform passive or active joint movement</td>
<td>4.31</td>
<td>29</td>
</tr>
<tr>
<td>I.35</td>
<td>Use cupping</td>
<td>2.96</td>
<td>27</td>
</tr>
<tr>
<td>I.36</td>
<td>Perform guasha</td>
<td>2.77</td>
<td>26</td>
</tr>
<tr>
<td>I.37</td>
<td>Apply external Chinese herbal preparations</td>
<td>2.96</td>
<td>28</td>
</tr>
<tr>
<td>I.38</td>
<td>Apply direct Moxibustion</td>
<td>2.42</td>
<td>26</td>
</tr>
<tr>
<td>I.39</td>
<td>Use indirect Moxibustion</td>
<td>3.04</td>
<td>28</td>
</tr>
<tr>
<td>I.40</td>
<td>Use traditional healing sounds during treatment</td>
<td>2.33</td>
<td>27</td>
</tr>
<tr>
<td>I.41</td>
<td>Application of Heat/Cold (e.g., TDP lamp)</td>
<td>3.25</td>
<td>28</td>
</tr>
<tr>
<td>I.42</td>
<td>Apply auricular acupressure with ear seeds/beads or...</td>
<td>2.90</td>
<td>29</td>
</tr>
<tr>
<td>I.43</td>
<td>Apply essential oils on acupoints</td>
<td>2.56</td>
<td>27</td>
</tr>
<tr>
<td>I.44</td>
<td>Apply magnets (aka body pellets) to acupoints</td>
<td>2.68</td>
<td>28</td>
</tr>
<tr>
<td>I.45</td>
<td>Use tuning forks on acupoints</td>
<td>2.00</td>
<td>26</td>
</tr>
<tr>
<td>I.46</td>
<td>Use electrostimulation on acupoints</td>
<td>2.11</td>
<td>27</td>
</tr>
<tr>
<td>I.47</td>
<td>Use guided imagery/visualization and/or breathing...</td>
<td>3.56</td>
<td>27</td>
</tr>
</tbody>
</table>
## Appendix H: Mean Domain Weighting Proposed by Diplomate Respondents

### Table 2: Acupuncture Domain Weights based on the SMEs Decision

<table>
<thead>
<tr>
<th>Domain</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Develop a Comprehensive Treatment Plan Using Acupuncture Points Based Upon the Patient's Identified Syndrome (Disease and Pattern)*</td>
<td>40%</td>
</tr>
<tr>
<td>II. Treatment Techniques and Modes of Administration</td>
<td>20%</td>
</tr>
<tr>
<td>III. Use of Modalities or Agents</td>
<td>25%</td>
</tr>
<tr>
<td>IV. Assess Treatment Outcomes and Modify Treatment</td>
<td>15%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

* 20% of the 40% of Domain I is Point Location Images

### Table 3: Biomedicine Domain Weights based on the SMEs Decision

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Western Medical Assessment</td>
<td>20%</td>
</tr>
<tr>
<td>II. Pharmaceuticals and Supplementations</td>
<td>20%</td>
</tr>
<tr>
<td>III. Safety</td>
<td>30%</td>
</tr>
<tr>
<td>IV. Legal, Ethical and Practice Management</td>
<td>30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

### Table 4: Chinese Herbology Weights based on the SMEs Decision

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Professional Preparation and Safety</td>
<td>10%</td>
</tr>
<tr>
<td>II. Herbal Prescribing/Writing a Formula (Chu Fang)</td>
<td>75%</td>
</tr>
<tr>
<td>III. Implementation, Evaluation, and Modification of Treatment</td>
<td>15%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

### Table 5: Foundations of Oriental Medicine Domain Weights based on the SMEs Decision

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Obtaining medical history and informed</td>
<td>10%</td>
</tr>
<tr>
<td>II. Assessment</td>
<td>20%</td>
</tr>
<tr>
<td>III. Analysis and diagnosis</td>
<td>30%</td>
</tr>
<tr>
<td>IV. Treatment principle</td>
<td>20%</td>
</tr>
<tr>
<td>V. Evaluation/adjustment of treatment and record keeping</td>
<td>10%</td>
</tr>
</tbody>
</table>
Appendix H: Mean Domain Weighting Proposed by Diplomate Respondents

VI. Patient education 10%

Total 100%

Table 6: ABT-FOM Domain Weights based on the SMEs Decision

<table>
<thead>
<tr>
<th>Domain</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Obtaining medical history and informed</td>
<td>8</td>
</tr>
<tr>
<td>2. Assessment</td>
<td>10</td>
</tr>
<tr>
<td>3. Analysis and diagnosis</td>
<td>30</td>
</tr>
<tr>
<td>4. Treatment principle</td>
<td>20</td>
</tr>
<tr>
<td>5. Evaluation/adjustment of treatment and record-keeping</td>
<td>8</td>
</tr>
<tr>
<td>6. Patient education</td>
<td>10</td>
</tr>
<tr>
<td>7. ABT - Apply treatment</td>
<td>14</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

Acupuncture

**DOMAIN 1 Develop a Comprehensive Treatment Plan Using Acupuncture Points Based Upon the Patient’s Identified Syndrome and Pattern** (40% of total exam of which 20% is Point Location images)

1. Develop a prescription based on treatment to correct disease/syndrome
   - Knowledge of prescriptions based on treatment principles to correct imbalances
   - Knowledge of functions, indications and contraindications of treatment modality (i.e., acupuncture, moxa, Qi, gong, etc)
   - Ability to prescribe treatment principles to correct imbalances
   - Ability to recall appropriate treatment principle to correct imbalance
   - Ability to develop a treatment strategy
   - Skills to recognize treatment principles to correct imbalances

2. Select distal/proximal points to address channel imbalance
   - Knowledge of distal/proximal points and affected channels
   - Knowledge of channels
   - Knowledge of distal/proximal acupuncture points
     (comment: adjacent & distal/proximal are similar. They are simply points located relative to body or treatment area. Points can be adjacent & distal/proximal)
   - Ability to recall distal/proximal points and affected channels
     (comment: although the testing is to “recognize” we want new practitioners to “recall” information from memory)
   - Ability to identify channel imbalances
   - Skills to identify channel imbalances

3. Select adjacent points near the affected areas to augment treatment protocol (e.g., local points)
   (comment: should this read as “points adjacent”? Is “augment treatment” necessary?)
   - Knowledge of adjacent points near affected areas to augment treatment protocol
   - Knowledge of Acupuncture points
   - Knowledge of ‘local points’
   - Ability to identify adjacent points near affected areas
   - Skills to identify adjacent points near affected areas to augment treatment protocol

4. Select Contra-lateral points to balance treatment prescription
   - Knowledge of Contra-lateral points to balance treatment prescriptions
   - Ability to identify and select points contra-laterally
   - Ability to recognize Contra-lateral points to balance treatment prescriptions
   - Skills to identify Contra-lateral points to balance treatment prescriptions

5. Select point(s) above and below to balance treatment prescription
   - Knowledge of upper body/lower body points to balance treatment prescription
   - Knowledge of concept and purpose of choosing acupuncture points on the upper and/or lower body to balance treatment
   - Knowledge of acupuncture points chosen to balance treatment prescriptions
   - Ability to select/recognize upper body/lower body points to balance treatment prescription
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to recall acupuncture points located on the upper body and lower body.
- Skills to administer correct acupuncture points to balance treatment
- Skills to select points on upper & lower body to balance a treatment

6. Select points based on the Muscular Channel Theory according to TCM
KSA
- Knowledge of points based on the Muscular Channel Theory according to TCM
- Knowledge of concept & purpose for choosing acupuncture points based on TCM
- Ability to select/recognition acupuncture points based on the Muscular Channel theory (TCM)
- Skills to administer acupuncture points based on Muscular Channel theory (TCM)

7. Utilize Ashi methodologies
KSA
- Knowledge of Ashi methodologies
- Knowledge of Ashi points, techniques and precautions
- Knowledge of concept & purpose for utilizing Ashi points
- Ability to know when to use Ashi techniques
- Skills to blend Ashi points into treatment plan
- Skills to administer Ashi acupuncture points for treatment

8. Select points along corresponding channels to affect Cutaneous regions
KSA
- Knowledge of the Cutaneous regions
- Knowledge of acupuncture/points along the Cutaneous regions
- Ability to recognize points along corresponding channels to affect Cutaneous regions
- Ability to understand concepts, methods and results of choosing points of the Cutaneous regions
- Ability to identify points to affect the Cutaneous regions
- Skills to identify points along corresponding channels to affect Cutaneous regions

9. Select Front-Mu (Alarm) points to address systemic imbalances
KSA
- Knowledge of functions of Front-Mu (Alarm) points
- Knowledge of imbalances of an acute nature
- Knowledge of Front-Mu (Alarm) point to affect systemic imbalances
- Ability to recall Front-Mu (Alarm) points
- Ability to recognize Front-Mu (Alarm) point(s) ability to affect imbalances of an acute nature
- Skills to identify Front-Mu (Alarm) points to address systemic imbalances
- Skills to administer Front-Mu (Alarm) acupuncture points for imbalances

10. Select Back-Shu (Associated) points to address systemic imbalances of a chronic nature
    (Comment: this implies that there are points to address systemic imbalances of an acute nature)
KSA
- Knowledge of Back-Shu (Associated) points
- Knowledge of systemic imbalances of a chronic nature
- Ability to recall Back-Shu (Associated) points
- Ability to recognize Back-Shu (Associated) point’s systemic imbalances of a chronic nature
- Skills to identify Back-Shu (Associated) points to address systemic imbalances of a chronic nature

11. Select coupled points by combining Front-Mu (Alarm) and Back-Shu (Associated) points to balance Yin and Yang
KSA
Appendix I: 
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of coupled points by combining Front-Mu (Alarm) and Back-Shu (Associated) points to balance Yin and Yang
- Knowledge of Yin and Yang theory
- Knowledge of the theory of combining Front-Mu (Alarm) and Back-Shu (Associated) acupuncture points
- Knowledge of Coupled points, Front-Mu (Alarm) and Back-Shu (Associated) acupuncture points
- Knowledge of methods for combining Front-Mu (Alarm) and Back-Shu (Associated) points to balance treatment
- Ability to recognize coupled points by combining Front-Mu (Alarm) and Back-Shu (Associated) points to balance Yin and Yang
- Ability to recall and select Front-Mu (Alarm) and Back-Shu (Associated) acupuncture points
- Ability to select Front-Mu (Alarm) and Back-Shu (Associated) acupuncture points to balance treatment
- Skills to identify coupled points by combining Front-Mu (Alarm) and Back-Shu (Associated) points to balance Yin and Yang

12. Select Lower-He-Sea (Uniting) points to connect channel with respective Fu Organ KSA
- Knowledge of Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
- Knowledge of Fu organs and their functions
- Knowledge of He-Sea (Uniting) acupuncture points
- Ability to recognize Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
- Ability to identify Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
- Skills to identify Lower He-Sea (Uniting) points to connect channel with respective Fu Organ

13. Select Mother-Son (Four-Needle Technique) points by identifying complementary points to address imbalances KSA
- Knowledge of Mother-Son (Four-Needle Technique) acupuncture points
- Knowledge of Mother-Son (Four-Needle Technique) and how it affects imbalances
- Ability to recognize Mother-Son (Four-Needle Technique) points by identifying complementary points to address imbalances
- Ability to recall Mother-Son (Four-Needle Technique) acupuncture points
- Skills to identify/perform Mother-Son (Four-Needle Technique) points by identifying complementary points to address imbalances

14. Select from the Eight Influential points to affect related anatomical areas and types of tissues KSA
- Knowledge of the Eight Influential points to affect related anatomical areas and types of tissues
- Knowledge of the Eight Influential points
- Knowledge of anatomical areas and types of tissues
- Ability to recognize the Eight Influential points as being able to affect related anatomical areas and types of tissues
- Skills to identify the Eight Influential points to affect related anatomical areas and types of tissues
- Skills to recall Eight Influential points to affect related anatomical areas and types of tissues

15. Select Four Seas points to affect corresponding Qi, Blood, Nourishment and Marrow KSA
- Knowledge of the Four Seas points
- Knowledge of Qi, Blood, Nourishment and Marrow
- Knowledge of the Four Seas points to affect corresponding Qi, Blood, Nourishment and Marrow
- Ability to recognize the Four Seas points to affect corresponding Qi, Blood, Nourishment and Marrow
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to recall the Four Seas points to affect corresponding Qi, Blood, Nourishment and Marrow
- Skills to identify the Four Seas points to affect corresponding Qi, Blood, Nourishment and Marrow

16. Select points to treat causative factor(s) constitution according to TCM
   KSA
   - Knowledge of points to treat causative factor(s) constitution according to TCM
   - Knowledge of TCM
   - Knowledge of causative factors according to TCM
   - Ability to recognize points to treat causative factor(s) constitution according to TCM
   - Skills to identify points to treat causative factor(s) constitution according to TCM

17. Select points to treat causative factor(s) constitution according to Worsley
    Deleted
   KSA
   - Knowledge of points to treat causative factor(s) constitution according to Worsley
   - Knowledge of Worsley
   - Knowledge of causative factors according to Worsley
   - Ability to recognize points to treat causative factor(s) constitution according to Worsley
   - Skills to identify points to treat causative factor(s) constitution according to Worsley

18. Select Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM
    KSA
    - Knowledge of the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM
    - Knowledge of the Five Elements according to TCM
    - Knowledge of Five Shu (Transporting) points according to TCM
    - Ability to recognize the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM
    - Skills to identify the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM

19. Select Five Shu (Transporting) points to treat imbalances of the Five Elements according to Worsley
    Deleted
    KSA
    - Knowledge of Five Shu (Transporting) points to treat imbalances of the Five Elements according to Worsley
    - Knowledge of the Five Elements according to Worsley
    - Ability to recognize the Five Shu (Transporting) points to treat imbalances of the Five Elements according to Worsley
    - Skills to identify the Five Shu (Transporting) points to treat imbalances of the Five Elements according to Worsley

20. Select Luo-Connecting points that access divergent channels to strengthen internally-externally related channels
    - Knowledge of Luo-Connecting points that access divergent channels to strengthen internally-externally related channels
    - Knowledge of Luo-Connecting acupuncture points
    - Knowledge of the divergent channels
    - Ability to recall Luo-Connecting acupuncture points
    - Ability to recognize Luo-Connecting points as being able to access divergent channels to strengthen internally-externally related channels
    - Skills to identify Luo-Connecting points that access divergent channels to strengthen internally-externally related channels
Appendix I:  
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

21. Select Yuan-Source (Primary) acupuncture points to access fundamental Qi for the channel  
KSA  
- Knowledge of Yuan-Source (Primary) points to access fundamental Qi for the channel  
- Knowledge of Yuan-Source (Primary) acupuncture points  
- Knowledge of Fundamental Qi  
- Ability to recognize Yuan-Source (Primary) acupuncture points to access fundamental Qi of the channel  
- Ability to recall Yuan-Source (Primary) acupuncture points  
- Skills to identify Yuan-Source (Primary) acupuncture points to access fundamental Qi for the channel

22. Select appropriate points to treat for AE (Aggressive Energy) according to TCM  
KSA  
- Knowledge of appropriate points to treat AE (Aggressive Energy) according to TCM  
- Knowledge of AE (Aggressive Energy) according to TCM  
- Ability to recognize appropriate points to treat AE (Aggressive Energy) according to TCM  
- Ability to recall appropriate points to treat for AE (Aggressive Energy) according to TCM  
- Skills to identify appropriate points to treat AE (Aggressive Energy) according to TCM

23. Select appropriate points to treat for AE (Aggressive Energy) according to Worsley  
KSA  
- Knowledge of appropriate points to treat AE (Aggressive Energy) according to Worsley  
- Knowledge of AE (Aggressive Energy) according to Worsley  
- Ability to recognize appropriate points to treat AE (Aggressive Energy) according to Worsley  
- Ability to recall appropriate points to treat for AE (Aggressive Energy) according to Worsley  
- Skills to identify appropriate points to treat AE (Aggressive Energy) according to TCM

24. Select Entry and Exit points according to 12 Channel Theory  
KSA  
- Knowledge of Entry and Exit points according to 12 Channel Theory  
- Knowledge of the 12 Channel Theories  
- Knowledge of Entry and Exit acupuncture points  
- Ability to recognize acupuncture Entry and Exit points according to 12 Channel Theory  
- Ability to recall acupuncture points to clear Entry and Exit points according to 12 Channel Theory  
- Skills to identify Entry and Exit points according to 12 Channel Theory

25. Select appropriate acupuncture points according to Window of the Sky Theory  
KSA  
- Knowledge of Window of the Sky Theory  
- Knowledge of appropriate points according to Window of the Sky Theory  
- Knowledge of acupuncture points associated with Window of the Sky Theory  
- Ability to recall acupuncture points according to Window of the Sky Theory  
- Skills to identify acupuncture points for Window of the Sky

26. Select appropriate points according to Seven Dragons treatment in the Worsley tradition  
KSA

Deleted

- Knowledge of Seven Dragons treatment according to Worsley  
- Knowledge of acupuncture points according to Seven Dragons treatment in the Worsley tradition  
- Knowledge of extra acupuncture points  
- Ability to recognize acupuncture points according to Seven Dragons treatment in the Worsley tradition  
- Ability to recall extra points to treat corresponding conditions
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Skills to identify acupuncture points according to Seven Dragons treatment in the Worsley tradition

27. Select appropriate points according to 13 Ghost points (Shu Si Miao) Deleted
KSA
- Knowledge of 13 Ghost points (Shu Si Miao)
- Knowledge of acupuncture points according to 12 Ghost points (Shu Si Miao)
- Ability to recall 13 Ghost points (Shu Si Miao)
- Ability to recognize appropriate points according to 13 Ghost points (Shu Si Miao)
- Skills to identify acupuncture points according to 13 Ghost points (Shu Si Miao)
- Skills to identify appropriate points according to 13 Ghost points (Shu Si Miao)

28. Select clinically appropriate Extra points to treat corresponding conditions
KSA
- Knowledge of Extra points
- Knowledge of clinically appropriate Extra points to treat corresponding conditions
- Ability to recognize clinically appropriate Extra points to treat corresponding conditions
- Skills to identify clinically appropriate Extra points to treat corresponding conditions
- Skills to administer Extra points

29. Select auricular acupuncture points by identifying points with suitable clinical indications to treat patient’s condition
KSA
- Knowledge of auricular acupuncture points (i.e., auricular landmarks, locations, functions, indications & contraindications of auricular acupuncture points)
- Knowledge of auricular points by identifying points with suitable clinical indications to treat patient’s condition
- Ability to recognize auricular points by identifying points with suitable clinical indications to treat patient’s condition
  - Ability to recall auricular acupuncture points to address imbalances
- Skills to identify auricular points by identifying points with suitable clinical indications to treat patient’s condition

30. Select scalp points by identifying clinically relevant acupuncture points to treat patient’s condition
KSA
- Knowledge of scalp acupuncture system (i.e., scalp landmarks, proportions, locations, functions, indications & contraindications of scalp acupuncture points)
- Ability to recall scalp acupuncture points to address imbalances
- Skills to identify scalp points by identifying clinically relevant points to treat patient’s condition

31. Select/Develop a treatment strategy using Acupuncture, Cupping, and moxibustion
KSA
- Knowledge of theories & purposes of Cupping, Acupuncture, moxibustion techniques
- Knowledge of techniques, cautions & contraindications of Cupping, Acupuncture, moxibustion
- Knowledge of different types of Cups, Moxibuslon, Acupuncture
- Knowledge of treatment strategies utilizing Acupuncture, Cupping, Moxibustion
- Ability to apply treatment strategies utilizing Acupuncture, Cupping, Moxibustion
- Skills to identify treatment strategies utilizing Acupuncture, Cupping, Moxibustion
  - Skills to administer treatment using Acupuncture, Cupping, Moxibustion

32. Decide appropriate needles (i.e., filiform needle(s), three-edged needle(s), Plum-Blossom needle(s), Press needle(s), and intradermal needle(s))
KSA
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of acupuncture needles
- Knowledge of acupuncture needle use
- Knowledge of Clean Needle techniques
- Knowledge of acupuncture needle applications, precautions, safety laws
- Ability to utilize appropriate acupuncture needles
- Skills to administer appropriate acupuncture needles

33. Removal of needles with correct techniques
KSA
- Knowledge of acupuncture needle(s) removal applying the correct techniques
- Knowledge of acupuncture needle insertion
- Knowledge of acupuncture needle techniques
- Knowledge of acupuncture needle safety rules and regulations
- Knowledge of different types of needles and their purposes
- Ability to insert acupuncture needles properly
- Ability to recognize needle(s) removal with correct techniques
- Skills to identify needle(s) removal with correct techniques

34. Review of state regulation and law for use of different modalities for acupuncture
KSA
- Knowledge of state regulations and laws for use of different modalities for acupuncture
- Knowledge of the different modalities for acupuncture
- Ability to recall the different modalities for acupuncture
- Skills to administer state regulations & laws for the different modalities for acupuncture

35. Develop treatment plan using Six Stages theory (e.g., Jueyin, Shaoyin, Taiyang, Shaoyang, Yangming, Taiyin)
KSA
- Knowledge of treatment planning utilizing Six Stages theory (e.g., Jueyin, Shaoyin, Taiyang, Shaoyang, Yangming, Taiyin)
- Knowledge of Six Stages theory (e.g., Jueyin, Shaoyin, Taiyang, Shaoyang, Shaoyang, Yangming, Taiyin)
- Knowledge of procedures, methods, concepts, contraindications for Six Stages theory
- Ability to administer treatment using Six Stages
- Skills to administer treatment using Six Stages

36. Develop treatment plan using the Four needle concept (e.g., Sa-Am) Deleted
KSA
- Knowledge of Four needle concept (e.g., Sa-Am)
- Knowledge of technique, precautions, contraindications, methods
- Knowledge to develop treatment plan using the Four needle concept (e.g., Sa-Am)
- Ability to administer Four needles
- Skills to administer Four needle treatment

37. Apply Dong’s (Tong’s), Tan’s (12x12) to treat the patient Deleted
KSA
- Knowledge of Dong’s (Tong’s), Tan’s (12x12) to treat the patient’s condition
- Knowledge of Dong’s (Tong’s), Tan’s (12x12)
- Knowledge of concept, techniques, procedures, methods, contraindications for Dong’s (Tong’s)
- Ability to recall Dong’s (Tong’s), Tan’s (12x12)
- Skills to administer Dong’s (Tong’s), Tan’s (12x12) for patient treatment

38. Apply the Five Phase/Element points (Control points) to treat the patient
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

KSA
- Knowledge of Five Phase/Element points (Control points)
- Knowledge of theories and methods for Five Phase/Element points (Control points)
- Ability to administer Five Phase/Element points (Control points)
- Skills to administer Five Phase/Element points (Control points)

39. Apply Antique points (Jing Well, Ying, Spring, etc.) to treat the patient
KSA
- Knowledge of Antique points (Jing Well, Ying, Spring, Etc.)
- Knowledge of theories and methods of Antique points (Jing Well, Ying, Spring, etc)
- Ability to administer Antique points
- Skills to administer Antique points

40. Utilize Root and Branch technique to treat the patient
KSA
- Knowledge of Root and Branch technique to treat the patient’s condition
- Knowledge of Root and Branch
- Knowledge of Root & Branch theories and concepts
- Ability to administer Root & Branch
- Skills to administer Root & Branch

41. Utilize the Zang Fu model to treat the patient
KSA
- Knowledge of the Zang Fu model to treat the patient’s condition
- Knowledge of Zang Fu
- Ability to apply the Zang Fu model to a patient’s condition
- Skills to correctly treat a patient with the Zang Fu model

42. Utilize the Yin and Yang model to treat the patient
KSA
- Knowledge of Yin and Yang model to treat the patient’s condition
- Knowledge of Yin and Yang techniques and concepts
- Ability to apply the Yin and Yang model to a patient’s condition
- Skills to correctly treat a patient with the Yin and Yang model

43. Utilize the Shang Han Lun model to treat the patient
KSA
- Knowledge of Shang Han Lun model to treat the patient’s condition
- Knowledge of Shang Han techniques and concepts
- Ability to apply the Shang Han Lun model to a patient’s condition
- Skills to correctly treat a patient with the Shang Han Lun model

44. Utilize the Qi and Blood model to treat the patient
KSA
- Knowledge of Qi and Blood model to treat the patient’s condition
- Knowledge of Qi
- Knowledge of Blood model
- Knowledge of Qi and Blood model techniques and theories
- Ability to apply the Qi and Blood model to a patient’s condition
- Skills to administer Qi and Blood model for patient treatment

45. Utilize meridians and collaterals (Jing Luo) model to treat the patient
KSA
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of Jing Luo
- Knowledge of Jing Luo concepts and theories
- Knowledge of meridians and collaterals (Jing Luo) model to treat the patient’s condition
- Ability to apply the Jing Luo model to a patient’s condition
- Skills to correctly treat a patient with the Jing Luo model

DOMAIN 2 Treatment Techniques of Modes of Administration (20% of total exam)

46. Decide correct positioning of the patient
KSA
- Knowledge of correct positioning of the patient
- Knowledge of positioning techniques and concepts
- Knowledge of positioning theories
- Ability to correctly position the patient
- Skills to decide and execute correct positioning of patient

47. Insert needles with appropriate angle and depth with Clean Needle technique
KSA
- Knowledge of needle insertions with appropriate angle and depth with Clean Needle technique
- Knowledge of Clean Needle techniques
- Knowledge of safety rules and regulations concerning needle insertion
- Ability to insert needles to the appropriate angle and depth
- Skills to insert needles at correct angle and depth
- Skills to administer Clean Needle techniques

48. Apply suitable manipulation technique to reinforce or reduce
KSA
- Knowledge of manipulation
- Knowledge of reinforce
- Knowledge of reduce
- Knowledge of manipulation techniques to reinforce or reduce
- Knowledge of theories and concepts for manipulation
- Ability to perform manipulation techniques to reinforce or reduce
- Skills to administer manipulation techniques to reinforce or reduce

49. Achieve Arrival of Qi by: lifting and thrusting
KSA
- Knowledge of Arrival of Qi
- Knowledge of needle manipulations
- Knowledge of lifting and thrusting
- Knowledge to achieve Arrival of Qi by lifting and thrusting
- Knowledge of concepts and theories concerning lifting and thrusting
- Ability to achieve Arrival of Qi by lifting and thrusting
- Skills to manipulate needle with lifting and thrusting to elicit the Arrival of Qi

50. Achieve Arrival of Qi by: twirling or rotating
KSA
- Knowledge to achieve Arrival of Qi by twirling and rotating
- Knowledge to achieve Arrival of Qi
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of twirling or rotating
- Knowledge of needle manipulation
- Ability to achieve Arrival of Qi by twirling or rotating
- Skills to administer Arrival of Qi by twirling or rotating

51. Achieve Arrival of Qi by: plucking
KSA
- Knowledge to achieve Arrival of Qi by plucking
- Knowledge of Arrival of Qi
- Knowledge of plucking
- Knowledge of needle manipulation
- Ability to achieve Arrival of Qi by plucking
- Skills to administer Arrival of Qi by plucking
- Skills to manipulate needle using plucking to elicit Arrival of Qi

52. Achieve Arrival of Qi by: scraping
KSA
- Knowledge to achieve Arrival of Qi by scraping
- Knowledge of techniques, purpose, theory of Arrival of Qi
- Ability to administer Arrival of Qi by scraping
- Skills to administer Arrival of Qi by scraping

53. Achieve Arrival of Qi by: shaking
KSA
- Knowledge to achieve Arrival of Qi by shaking
- Knowledge of theories & purposes of Arrival of Qi
- Ability to administer Arrival of Qi by shaking
- Skills to administer Arrival of Qi by shaking

54. Achieve Arrival of Qi by: trembling
KSA
- Knowledge to achieve Arrival of Qi by trembling
- Knowledge of theories, purpose & techniques
- Ability to administer Arrival of Qi by trembling
- Skills to administer Arrival of Qi by trembling

55. Apply reinforcing and reducing techniques by: lifting and thrusting
KSA
- Knowledge to apply reinforcing and reducing techniques by lifting and thrusting
- Knowledge of theories, purpose & techniques
- Ability to administer techniques by lifting & thrusting
- Skills to administer techniques by lifting & thrusting

56. Apply reinforcing and reducing techniques by: rotating or twirling
KSA
- Knowledge of reinforcing and reducing techniques
- Knowledge of needle manipulations/techniques
- Knowledge of rotating or twirling
- Knowledge to apply reinforcing and reducing techniques by rotating or twirling
- Ability to administer correct techniques using rotating or twirling
- Skills to administer correct techniques using rotating or twirling

57. Apply reinforcing and reducing techniques by: rapid and slow inserting and withdrawal of needles
Appendix I: Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

KSA
- Knowledge to apply reinforcing and reducing techniques by rapid and slow inserting and withdrawal of needles
- Knowledge of acupuncture needle inserting and withdrawal techniques, safety, concepts, procedures
- Ability to administer correct techniques using rapid and slow inserting and withdrawal of needles
- Skills to administer correct techniques using rapid and slow inserting and withdrawal of needles
- Skills to manipulate the needle to reduce or reinforce using rapid and slow inserting and withdrawal of needles

58. Apply reinforcing and reducing techniques by: keeping the acupuncture hole open or closed
KSA
- Knowledge to apply reinforcing and reducing techniques by keeping the acupuncture hole open or closed
- Ability to administer correct techniques by keeping the acupuncture hole open or closed
- Ability to reinforce or reduce using the technique of keeping the acupuncture hole open or closed
- Skills to manipulate the needle to reduce or reinforce by keeping the acupuncture hole open or closed
- Skills to administer correct techniques keeping the acupuncture hole open or closed

59. Apply reinforcing and reducing techniques by: means of respiration
KSA
- Knowledge to apply reinforcing and reducing techniques by means of respiration
- Knowledge of techniques, theories, purpose
- Ability to administer correct technique via respiration
- Ability to reinforce or reduce using the technique of respiration
- Skills to manipulate needle to reduce or reinforce by respiration
- Skills to administer correct technique via respiration

60. Apply reinforcing and reducing techniques by: Setting the Mountain on Fire
KSA
- Knowledge to apply reinforcing and reducing techniques by Setting the Mountain on Fire
- Knowledge of Mountain on Fire
- Knowledge of purpose, theory, contraindications of Mountain on Fire
- Ability to administer Mountain on Fire
- Ability to reinforce or reduce using the technique of Setting the Mountain on Fire
- Skills to administer Mountain on Fire
- Skills to manipulate the needle to reduce or reinforce by Setting the Mountain on Fire

61. Apply reinforcing and reducing techniques by: penetrating Heaven coolness
KSA
- Knowledge to apply reinforcing and reducing techniques by Penetrating Heaven coolness
- Knowledge of Heaven coolness
- Knowledge of techniques, purpose, cautions, contraindications of Heaven coolness
- Ability to reinforce or reduce using the technique of Penetrating Heaven's coolness
- Ability to administer Heaven coolness
- Skills to administer Heaven coolness
- Skills to manipulate the needle to reduce or reinforce by Penetrating Heaven’s Coolness

62. Consider anatomy to determine depth, precautions, and contraindications (e.g., relative to anatomical structures)
KSA
- Knowledge of human anatomy
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of acupuncture treatment technique, concepts
- Knowledge to consider anatomy to determine depth, precautions, and contraindications (e.g., relative to anatomical structures)
- Ability to administer acupuncture treatment techniques to the human anatomy
- Skills to administer acupuncture treatment techniques to the human anatomy

63. Consider precautions related to treatment with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer)

KSA
- Knowledge to consider precautions related to treatment with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer) with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer)
- Knowledge of techniques, cautions & contraindications with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer)
- Ability to administer correct treatment with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer)
- Skills to administer correct treatment with modalities (e.g., intradermal needles, moxibustion, electricity, Guasha, bleeding, cupping, 7 Star Hammer)

64. Identify correct point location (e.g., anatomical, proportional)

KSA
- Knowledge of Acupuncture points
- Knowledge of Acupuncture point location theories and concepts
- Knowledge to identify correct point location (e.g., anatomical, proportional)
- Ability to administer correct point location (e.g., anatomical, proportional)
- Skills to administer correct point location (e.g., anatomical, proportional)

65. Apply moxibustion using thread moxa (e.g., direct moxa)

KSA
- Knowledge of moxibustion
- Knowledge of thread moxa (e.g., direct moxa)
- Knowledge of theories and purposes of moxibustion using thread moxa (e.g., direct moxa)
- Knowledge to apply moxibustion using thread moxa (e.g., direct moxa)
- Ability to administer thread moxa (e.g., direct moxa)
- Skills to administer thread moxa (e.g., direct moxa)

66. Apply moxibustion using Scarring Moxa Deleted

KSA
- Knowledge of moxibustion
- Knowledge of Scarring Moxa
- Knowledge of theories and purposes of moxibustion using Scarring Moxa
- Knowledge of techniques, cautions & contraindications of Scarring Moxa
- Knowledge to apply moxibustion using Scarring Moxa
- Ability to administer Scarring Moxa
- Skills to administer Scarring Moxa

67. Apply indirect moxibustion using stick or pole moxa

KSA
- Knowledge of moxibustion
- Knowledge to apply indirect moxibustion using stick or pole moxa
- Knowledge of indirect moxibustion using stick or pole moxa
- Knowledge of theories and purpose of indirect moxibustion using stick or pole moxa
Appendix I:  
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of techniques, cautions & contraindications of indirect moxibustion using stick or pole moxa  
- Ability to administer indirect moxibustion using stick or pole moxa  
- Skills to administer indirect moxibustion using stick or pole moxa

68. Apply moxibustion using moxa on medium (e.g., garlic, ginger)  
KSA  
- Knowledge to apply moxibustion using moxa on medium (e.g., garlic, ginger)  
- Knowledge of theories and purposes of moxibustion using moxa on medium (e.g., garlic, ginger)  
- Knowledge of techniques, cautions & contraindications using moxa on medium (e.g., garlic, ginger)  
- Ability to administer moxibustion using moxa on medium (e.g., garlic, ginger)  
- Skills to administer moxibustion using moxa on medium (e.g., garlic, ginger)

69. Apply moxibustion using moxa on the needle handle  
KSA  
- Knowledge to apply moxibustion using moxa on the needle handle  
- Knowledge to use moxibustion using moxa on needle handle  
- Knowledge of techniques, cautions & contraindications by applying moxibustion using moxa on needle handle  
- Ability to administer moxibustion using moxa on the needle handle  
- Skills to administer moxibustion using moxa on the needle handle

70. Apply moxibustion using moxa box/can  
KSA  
- Knowledge to apply moxibustion using moxa box/can  
- Knowledge of techniques, cautions & contraindications by applying moxibustion using moxa box/can  
- Knowledge of theories & purpose of moxibustion using moxa box/can  
- Ability to administer moxibustion using moxa box/can  
- Skills to administer moxibustion using moxa box/can

71. Apply moxibustion using navel moxa  
KSA  
- Knowledge to apply moxibustion using navel moxa  
- Knowledge of techniques, cautions & contraindications by applying moxibustion using navel moxa  
- Ability to administer moxibustion using navel moxa  
- Skills to administer moxibustion using navel moxa

72. Apply moxibustion using moxa oils/sprays  
KSA  
- Knowledge to apply moxibustion using moxa oils/sprays  
- Knowledge of moxa oils/sprays  
- Knowledge of techniques, cautions & contraindications by applying moxibustion using moxa oils/sprays  
- Knowledge of theories & purpose of moxibustion using moxa oils/sprays  
- Ability to administer moxibustion using moxa oils/sprays  
- Skills to administer moxibustion using moxa oils/sprays

73. Apply moxibustion using stick-on moxa  
KSA  
- Knowledge to apply moxibustion using stick-on moxa  
- Knowledge of techniques, cautions & contraindications applying moxibustion using stick-on moxa  
- Knowledge of stick-on moxa  
- Knowledge of theories & purpose of moxibustion using stick-on moxa
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to administer stick-on moxa
- Skills to administer stick-on moxa

74. Apply moxibustion using electrical moxa  Deleted
KSA
- Knowledge to apply moxibustion using electrical moxa
- Knowledge of moxibustion using electrical moxa
- Knowledge of techniques, cautions & contraindications by applying moxibustion using electrical moxa
- Knowledge of theories & purpose of moxibustion using electrical moxa
- Ability to administer electrical moxa
- Skills to administer electrical moxa

75. Apply moxibustion using smokeless moxa
KSA
- Knowledge to apply moxibustion using smokeless moxa
- Knowledge of smokeless moxa
- Knowledge of techniques, cautions & contraindications by applying moxibustion using smokeless moxa
- Knowledge of theories & purpose of moxibustion using smokeless moxa
- Ability to administer smokeless moxa
- Skills to administer smokeless moxa

76. Apply moxibustion using cold moxa patches  Deleted
KSA
- Knowledge to administer moxibustion using cold moxa patches
- Knowledge of techniques, cautions & contraindications by applying moxibustion using cold moxa patches
- Knowledge of theories & purpose of moxibustion using cold moxa patches
- Ability to administer moxibustion using cold moxa patches
- Skills to administer moxibustion using cold moxa patches

77. Apply physical agents such as: heat
KSA
- Knowledge to administer physical agents such as heat for patient condition
- Knowledge of heat as a physical agent
- Knowledge of techniques, cautions & contraindications by applying using heat as a physical agent
- Knowledge of theories & purpose of using heat as a physical agent
- Skills to administer physical agents such as heat
- Ability to administer physical agents such as heat

78. Apply physical agents such as: infrared heat lamp
KSA
- Knowledge to apply physical agents such as infrared heat lamp for patient condition
- Knowledge of techniques, cautions & contraindications by applying infrared heat lamp
- Knowledge of theories & purpose of using infrared heat lamp
- Skills to apply Infrared heat lamp for patient condition
- Ability to apply Infrared heat lamp for patient condition

79. Apply physical agents such as: cold  Deleted
KSA
- Knowledge to apply physical agents such as cold for patient condition
- Knowledge of techniques, cautions & contraindications by applying cold as a physical agent
Appendix I:  
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of cold as a physical agent  
- Knowledge of theories & purpose of using cold as a physical agent  
- Ability to apply physical agents such as cold for patient condition  
- Skills to apply physical agents such as cold for patient condition

80. Apply physical agents such as: sound  
KSA  
- Knowledge to apply physical agents such as sound for patient condition  
- Knowledge of sound as a physical agent  
- Knowledge of techniques, cautions & contraindications by applying sound as a physical agent  
- Knowledge of theories & purpose of using sound as a physical agent  
- Ability to apply physical agents such as sound for patient condition  
- Skills to apply physical agents such as sound for patient condition

81. Apply physical agents such as: light  
KSA  
- Knowledge to apply physical agents such as light  
- Knowledge of light as a physical agent  
- Knowledge of techniques, cautions & contraindications by applying light as a physical agent  
- Knowledge of theories & purpose of using light as a physical agent  
- Ability to administer light as a physical agent  
- Skills to administer light as a physical agent

82. Apply physical agents such as: diathermy  
KSA  
- Knowledge to apply physical agents such as diathermy  
- Knowledge of diathermy as a physical agent  
- Knowledge of techniques, cautions & contraindications by applying diathermy as a physical agent  
- Knowledge of theories & purpose of using diathermy as a physical agent  
- Ability to administer diathermy as a physical agent  
- Skills to administer diathermy as a physical agent

83. Apply physical agents such as: ultrasound  
KSA  
- Knowledge to apply physical agent such as ultrasound  
- Knowledge of techniques, cautions & contraindications by applying ultrasound as a physical agent  
- Knowledge of theories & purpose of using ultrasound as a physical agent  
- Ability to administer ultrasound as a physical agent  
- Skills to administer ultrasound as a physical agent

**DOMAIN 3 Use of Modalities or Agents (25% of total exam)**

84. Treat the patient using: Cupping  
KSA  
- Knowledge to treat patient using Cupping  
- Knowledge of Cupping mythologies  
- Knowledge of different Cupping procedures  
- Knowledge of techniques, cautions & contraindications using Cupping  
- Knowledge of theories & purpose of using Cupping
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to administer Cupping
- Skills to administer Cupping

85. Treat the patient using: Guasha
KSA
- Knowledge to treat patient using Guasha
- Knowledge of Guasha
- Knowledge of theories and purposes of Guasha techniques
- Knowledge of techniques, cautions and contraindications of Guasha techniques
- Ability to apply Guasha treatment
- Ability to administer Guasha techniques

86. Treat the patient using: Laser
KSA
- Knowledge of Laser (acupuncture) procedure and techniques
- Knowledge of theories & purposes of Laser (acupuncture) procedure and techniques
- Knowledge of techniques, cautions and contraindications of Laser (acupuncture) procedure & techniques
- Knowledge to treat patient using Laser
- Ability to perform Laser (acupuncture) procedure and techniques
- Skills to provide the Laser (acupuncture) procedure

87. Treat the patient using: Bleeding
KSA
- Knowledge of the Bleeding procedure, techniques & safety precautions
- Knowledge of theories & purposes of Bleeding techniques
- Knowledge of techniques, cautions & contraindications of Bleeding techniques
- Knowledge of different types of Bleeding devices & their purposes
- Ability to administer Bleeding techniques for patient treatment
- Skills to provide appropriate Bleeding procedure for patient treatment

88. Treat the patient using: Injection Therapy
KSA
- Knowledge of theories & purposes of Injection therapy
- Knowledge of techniques, cautions & contraindications of Injection therapy
- Knowledge of different types of Injection therapy devices & solutions & their purposes
- Knowledge to treat patient condition using Injection Therapy
- Ability to administer Injection therapy
- Skills to administer Injection Therapy

89. Treat the patient using: Gold and Silver needles
KSA
- Knowledge of theories & purposes of Gold & Silver (bi-metallic) needles
- Knowledge of techniques, cautions & contraindications of Gold & Silver (bi-metallic) needles
- Knowledge to treat patient condition using Gold and Silver needles
- Ability to administer Gold & Silver (bi-metallic needles)
- Skills to administer Gold and Silver needles

90. Treat the patient using: Intradermal Needles
KSA
- Knowledge of theories & purposes of Intradermal needles
- Knowledge of techniques, cautions & contraindications of Intradermal needles
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of different types of Intradermal needles
- Knowledge to treat patient using Intradermal needles
- Ability to administer Intradermal needles
- Skills to administer Intradermal needles

91. Treat the patient using: Ion pumping cords
   **Deleted**
   **KSA**
   - Knowledge of Ion pumping cords, techniques & safety procedures
   - Knowledge of techniques, cautions & contraindications of Ion pumping cords
   - Knowledge of different types of Ion pumping cords
   - Knowledge to treat patient using Ion pumping cords
   - Ability to administer Ion pumping cords
   - Skills to administer Ion pumping cords

92. Treat the patient using: Ear balls/seeds/pellets/ear tacks
   **KSA**
   - Knowledge of the Ear balls/seeds/pellets/ear tacks procedure, technique & safety procedures
   - Knowledge of theories & purposes of Ear balls/seeds/pellets/ear tack
   - Ability to administer Ear balls/seeds/pellets/ear tack
   - Skills to administer Ear balls/seeds/pellets/ear tacks

93. Treat the patient using: Electro acupuncture
   (e.g., TENS)
   **KSA**
   - Knowledge of applying electricity using TENS procedure, technique & safety procedures
   - Knowledge of theories & purposes of TENS
   - Knowledge of techniques, cautions & contraindications of TENS
   - Knowledge of different types of TENS
   - Knowledge to treat the patient using TENS
   - Ability to administer TENS
   - Skills to administer TENS

94. Treat the patient using: Electro stimulator (without needle) (e.g., Cutaneous electro nerve stimulator)
   **Deleted**
   **KSA**
   - Knowledge of applying Electro stimulator (no needle) procedure, technique & safety procedures
   - Knowledge of theories & purposes of Electro stimulator (no needle)
   - Knowledge of techniques, cautions and contraindications of Electro stimulator (no needle)
   - Knowledge of different types of Electro stimulators (no needle)
   - Knowledge to treat patient using Electro stimulator (without needle) (e.g., Cutaneous electro nerve stimulator)
   - Ability to administer Electro stimulator (without needle) (e.g., Cutaneous electro nerve stimulator)
   - Skills to administer Electro stimulator (without needle) (e.g., Cutaneous electro nerve stimulator)

95. Treat the patient by applying electricity using: Micro current
   **KSA**
   - Knowledge of applying electricity using Micro current
   - Knowledge of theories & purposes of Micro current
   - Knowledge of techniques, cautions & contraindications of Micro current
   - Knowledge to treat the patient by applying electricity using Micro current
   - Ability to administer Micro current
   - Skills to administer Micro current
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

96. Treat the patient by applying electricity using: Magnetic
KSA
- Knowledge of applying electricity using electromagnetic
- Knowledge of theories & purposes of Electromagnetic stimulation
- Knowledge of techniques, cautions & contraindications of Electromagnetic stimulation
- Knowledge of different types of Electromagnetic stimulation
- Knowledge to treat patient by applying electricity using magnetic
- Ability to administer Electromagnetic stimulation
- Skills to treat patient by applying electricity using magnetic

97. Treat the patient by applying electricity using: VOLL/Vega (e.g., Rydo Rako)
KSA
- Knowledge of applying electricity using VOLL/Vega (e.g., Rydo Rako)
- Knowledge of techniques, cautions & contraindications of VOLL/Vega (e.g., Rydo Rako)
- Knowledge of different types of VOLL/Vega (e.g., Rydo Rako)
- Knowledge to treat the patient by applying electricity using VOLL/Vega (e.g., Rydo Rako)
- Ability to administer VOLL/Vega (e.g., Rydo Rako)
- Skills to administer VOLL/Vega (e.g., Rydo Rako)

98. Treat the patient by applying electricity using: Ion Sparker
KSA
- Knowledge of applying electricity using Ion Sparker
- Knowledge of theories & purposes of electricity using Ion Sparker
- Knowledge of techniques, cautions & contraindications of electricity using Ion Sparker
- Knowledge of different types of electricity using Ion Sparker
- Knowledge to treat patient by applying electricity using Ion Sparker
- Ability to administer electricity using Ion Sparker
- Skills to administer electricity using Ion Sparker

99. Treat the patient by applying electricity using: Auricular micro system points
KSA
- Knowledge of Auricular micro system points
- Knowledge to treat patient by applying electricity using Auricular micro system points

100. Treating the patient by applying electricity using: Scalp micro system points
KSA
- Knowledge of Scalp micro system points
- Knowledge to treat patient by applying electricity using scalp micro system points
- Ability to administer electricity using scalp micro system points
- Skills to administer electricity using scalp micro system points

**DOMAIN 4 Assess Treatment Outcomes and Modify Treatment (15% of total exam)**

101. Evaluate the results of treatment by comparing the patient’s condition with prior assessment(s) in order to continue, modify or terminate treatment
KSA
- Knowledge to evaluate the results of treatment by comparing the patient’s condition with prior assessment(s) in order to continue, modify or terminate treatment
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of patient’s history
- Ability to evaluate treatment and assess whether to continue, modify, or terminate treatment
- Skills to evaluate treatment and decide on further course of action

102. Consult with patient regarding additional areas of concern
KSA
- Knowledge to consult with patient regarding additional areas of concern
- Knowledge of patient history
- Ability to consult with patient about their concerns
- Skills to consult with patient on additional areas of concern

103. Assess the effectiveness of treatment by re-examining the patient
KSA
- Knowledge to assess the effectiveness of treatment by re-examining the patient
- Knowledge to evaluate treatment
- Ability to assess the effectiveness of treatment by re-examining the patient
- Skills to assess the effectiveness of treatment by re-examining the patient

104. Ensure clean needle technique
KSA
- Knowledge of clean needle techniques, safety rules, procedures
- Knowledge to ensure clean needle technique
- Knowledge of clean needle theories, concepts, contraindications
- Ability to administer clean needle techniques
- Skills to administer clean needle techniques

105. Review progress of patient using physical exam (e.g., orthopedic, etc.)
KSA
- Knowledge to review patient’s progress by using physical exam (i.e., orthopedic, etc.)
- Knowledge to provide physical exam
- Knowledge to evaluate patient progress
- Ability to administer patient progress via physical examination
- Skills to administer patient progress via physical examination

106. Review progress of patient using clinical lab work for assessment of signs and symptoms
KSA
- Knowledge to review progress of patient using clinical lab work for assessment of signs and symptoms
- Knowledge of clinical lab work for patients
- Knowledge of patient history, medical history
- Ability to administer & report patient progress
- Skills to administer & report patient progress
- Skills to analyze clinical lab work
- Skills to assess patient signs & symptoms

107. Management of acupuncture related emergencies (fainting, shock, bleeding, broken needles, stuck needles, diabetic issues, burns, etc.)
KSA
- Knowledge to manage acupuncture related emergencies (fainting, shock, bleeding, broken needles, stuck needles, diabetic issues, burns, etc.)
- Knowledge of needle techniques and safety rules/guidelines
- Knowledge of emergency situations
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

108. Assess outcome in order to modify treatment strategy
KSA
- Knowledge to assess outcome in order to modify treatment strategy
- Knowledge to analyze patient’s outcome in order to modify treatment
- Knowledge of different treatment strategies
- Ability to analyze outcome in order to modify treatment
- Skills to administer different treatment strategies based on patient’s results

109. Modify manipulation technique
KSA
- Knowledge to modify manipulation technique
- Knowledge of manipulation techniques, cautions and contraindications
- Knowledge of manipulation techniques
- Knowledge of manipulation technique theories & concepts
- Ability to administer manipulation techniques
- Skills to administer manipulation techniques

110. Modification of choice of points
KSA
- Knowledge to modify choice of points
- Knowledge of acupuncture points modification
- Knowledge to modify acupuncture points
- Ability to modify choice of points
- Skills to modify choice of points
- Skills to administer point modifications

111. Modify points and treatment strategy
KSA
- Knowledge to modify points and treatment strategy
- Knowledge of acupuncture points modification and treatment strategies
- Knowledge of acupuncture points
- Ability to administer acupuncture points to modify treatment strategies
- Skills to administer acupuncture points to modify treatment strategies
Biomedicine

Domain 1 Western Medical Assessment (20%)

GENERAL BIOMEDICAL INTAKE AND ASKING
1. Perform appropriate portions of a Western medical examination to screen for possible neurological impairment, disease process, or trauma to determine necessity of referral
   KSAs
   - Understand what constitutes a complete Western medical physical examination
   - Ability to focus examination to those screening tests relevant to patient’s presenting complaint
   - Understanding of the range of normal function of each system and the relevance of deviation from that norm
   - Ability to focus examination to those screening tests relevant to patient’s presenting complaint
   - Ability to understand the implications of abnormal results of physical examination maneuvers (e.g., Anterior Drawer test for anterior cruciate ligament injury)
   - Knowledge of how to assess vital signs

2. Obtain blood pressure, pulse, temperature, and respiration (vital signs) to determine if functional vitals are effected
   KSAs
   - Knowledge of how to obtain vital signs
   - Knowledge of normal and abnormal blood pressure readings, pulses, temperature and respiration rates

3. Perform physical examination as a “systems survey”, including the following: vital signs, complexion and skin, eyes, vision, speech and hearing, gait and balance, body structure and weight
   KSAs
   - Understanding of the range of normal function of each system and the relevance of deviation from that norm
   - Knowledge of how to assess vital signs
   - Recognize abnormal findings from physical exam inspection and palpation that require referral to a Western medical practitioner (e.g., jaundice, skin lesions, edema, tremor, abdominal rebound tenderness, peripheral neuropathy, nuchal rigidity, etc.)
   - Understand the relevant anatomy and physiology causing the abnormal physical exam findings (e.g., hepatobiliary system causing jaundice, endocrine system causing diabetic peripheral neuropathy, neurological system causing tremor, etc.)

4. Measure weight / nutritional status (muscle wasting/obesity type)
   KSAs
   - Knowledge of health weight for stature
   - Ability to assess nutrition for all age categories and statures
   - Understand health risks of poor nutrition and inappropriate weight
   - Ability to assess pathologies from inappropriate weight and nutrition

5. Evaluate the patient’s appetite, thirst, elimination and urination, and sleep pattern to identify organ pathology
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

KSAs
- Ability of taking history of bodily functions
- Knowledge of normal input and output, and normal sleep patterns
- Ability to assess possible pathologies from abnormal patterns

6. Evaluate the patient’s menstrual/gynecological/obstetric history to identify organ pathology
KSAs
- Knowledge of menses cycle from adolescences through menopause
- Ability to recognize pathology that occurs from abnormal cycle
- Skills to ask appropriate questions in abnormal cycles to action needed
- Understand the need of referral in cases of possible urgent care. (i.e., tumors, irregular bleeding that may need further evaluation)

7. Evaluate the patient's location and nature of pain or dysfunction, and the results of physical examination of local tissue changes (temperature, sensitivity, tissue structure, and moisture) to identify pathology
KSAs
- Knowledge of pain patterns (sharp stabbing, dull aching, rebound, etc.)
- Ability to discriminate pain patterns (referred pain, local pain)
- Discern the implications of pain patterns such as infection, systemic infection
- Understand the need for emergency referral with patterns such as referred pain, rebound pain
- Knowledge of the integrity of normal tissue and abnormal tissue (hot, swelling, red streaking from pain or injury site lesions) and the need for urgent care

8. Examine various body areas/systems including abdominal, genitourinary, cardiovascular, chest and lungs, breast, ears, eyes, nose and throat (EENT), mental status, lymph, and skin
KSAs
- Knowledge of history taking
- Knowledge of normal function and dysfunction
- Ability to recognize and ask questions that may reveal complications of each of these systems (chronic cough do to infection or do to possible tumor; swelling in the left leg only being a pattern for potential cardiovascular disease; abdominal pain due to inflammation or bowel obstruction etc.)
- Basic knowledge of anatomy and physiology of systems (such as abdominal quadrants, normal urine output and patterns of urination, function of lymphatic system, etc.)

9. Use a stethoscope to listen to the lungs and heart
KSAs
- Knowledge of proper use of a stethoscope
- Ability to determine irregularities of lung and heart sounds
- Recognizing signs and sounds that may require a referral to a Western physician

10. Auscultator lung and heart sounds
KSAs
- Knowledge of proper use of a stethoscope
- Ability to determine irregularities of lung and heart sounds
- Recognizing signs and sounds that may require a referral to a Western physician

Deleted
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

11. Auscultator bowel sounds  Deleted
   KSAs
   - Knowledge of proper use of a stethoscope
   - Ability to determine irregularities of bowel sounds
   - Recognizing signs and sounds that may require a referral to a Western physician

ORTHOPEDIC TESTS
12. Measure strength
   KSAs
   - Knowledge of normal muscle strength
   - Knowledge of abduction and adduction of muscles
   - Ability to measure muscle strength
   - Ability to detect normal and abnormal differences of strength bilaterally
   - Recognize disease processes associated with abnormal strength such as CNS lesion, muscle or joint dysfunction, neurological disorder
   - Knowledge of when and for what orthopedic conditions patients should prudently be referred to a Western medical practitioner

13. Compare musculature from right to left
   KSAs
   - Knowledge of normal musculature for stature
   - Ability to measure muscle strength
   - Ability to detect normal and abnormal asymmetry bilaterally
   - Recognize the possible disease process associated with abnormal musculature or atrophy such as wasting disease, possible lesions, neurological dysfunction
   - Knowledge of when and for what orthopedic conditions patients should prudently be referred to a Western medical practitioner

14. Test for reproduction of pain or other signs that reproduces symptoms
   KSAs
   - Knowledge of pain pathology
   - Ability to assess level of intensity of pain both objectively and subjectively
   - Palpation skills
   - Skills to recognize the need for a referral in acute cases such as rebound pain

15. Palpate trigger and motor points for structural involvement
   KSAs
   - Knowledge of locations of trigger and motor points
   - Ability to palpate points
   - Understanding of pain patterns such as referral pain
   - Ability to measure intensity of pain

16. Perform and evaluate basic orthopedic examination maneuvers, including range of motion, to determine possible musculoskeletal injury/disease
   KSAs
   - Understanding of the methods of measuring range of motion
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to recognize normal range of motion and comprehend the implications of an abnormal range of motion
- Knowledge of the disease processes associated with abnormal range of motion (e.g., degenerative joint disease, autoimmune disease, trauma, etc.)
- Understanding of the range of normal function of each system and the relevance of deviation from that norm
- Knowledge of when and for what orthopedic conditions patients should prudently be referred to a Western medical practitioner

NEUROLOGICAL TESTS

17. Evaluate cognitive function for pathology  Deleted
   KSAs
   - Knowledge of questioning global ability of cognitive function
   - Delineate areas of function and non function
   - An understanding of cognitive function of the brain
   - Understanding necessity of referral in abnormal cognitive functions such as those that occur in the acute phases of a stroke etc.

18. Test dermatomes for sensory nerve involvement  Deleted
   KSAs
   - Knowledge of tools used to test dermatomes
   - Skills to bilateral assessment
   - Ability to grade aesthesia for reporting

19. Test for motor and sensory deficits
   KSAs
   - Basic knowledge of central, motor and peripheral nerves system
   - Knowledge of muscular skeletal system
   - Knowledge of reflex grades
   - Knowledge of possible pathologies of abnormal motor and sensory skills such as CNS lesion
   - Ability to recognize the signs of excess or deficient grades for possible need of referral for further evaluation

20. Test balance or coordination for impairment  Deleted
    KSAs
    - Knowledge of the Cerebellum
    - Knowledge of tests to evaluate balance and coordination
    - Ability to discriminate abnormalities that may have disease patterns necessary for urgent care such as stroke

21. Perform evaluation of normal reflexes and recognize the level of neurological impairment indicated by reflex findings (spinal cord, spinal nerve root, peripheral) to determine necessity of referral  Deleted
    KSAs
    - Knowledge and ability to use a reflex hammer
    - Ability to evaluate reflex gradients
    - Understanding of pathologies associate with gradients of reflexes such as impairment of nervous system due to a lesion or the understanding of hyperesthesia and the need for further evaluation by referral
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of relationship to reflexes to CNS and PNS

22. Perform evaluation of cranial nerves to determine possible neurological impairment to determine necessity of referral  Deleted
KSAs  
- Knowledge of basic anatomy of the nervous system  
- Knowledge of when and for what neurological conditions patients should prudently be referred to a western medical practitioner  
- Knowledge of basic anatomy of cranial nerves and their signs of impairment  
- Knowledge of the terminology of neurological impairment and ability to convey patient’s condition to western medical practitioner for follow-up

CLINICAL FINDINGS, TESTING, IMAGING AND LABORATORY RESULTS
23. Explain to patients, in meaningful layman’s terms, their medical imaging reports in the context of their illness and to summarize reports in the patient’s medical record
KSAs  
- Ability to read and understand the summary of medical imaging reports  
- Ability to “translate” medical terminology into layman’s terms  
- Knowledge of common medical terminology relevant to charting

24. Integrate clinical findings to form diagnostic impression of the patient’s current health status
KSAs  
- Ability to integrate symptoms of physiological systems to determine probable stage of disease progression  
- Ability to determine etiology by integrating diagnostic information into pattern to identify probable biomedical source of patient’s symptoms

25. Conduct muscle testing with various techniques (e.g., AK, MRT, NMT, NAET)  Deleted
KSAs  
- Knowledge of kinesiology (muscle testing)  
- Knowledge of varies techniques  
- Understanding of muscle strength and weakness

26. Use computerized electro dermal screening (EAV) to measure meridian imbalance. (e.g., Voll, GSR, Bio Meridian, Avatar, Computron)  Deleted
KSAs  
- Knowledge of computerized dermal testing  
- Ability to perform dermal testing

27. Perform nutritional evaluation using muscle testing  Deleted
KSAs  
- Knowledge of kinesiology (muscle testing)  
- Knowledge of varies techniques  
- Understanding of muscle strength and weakness  
- Knowledge of basic nutrition
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

28. Perform nutritional evaluation using derma resistant testing  **Deleted**
   KSAs
   - Knowledge of computerized dermal testing
   - Ability to perform dermal testing
   - Knowledge of basic nutrition

29. Conduct disability evaluation  **Deleted**
   KSAs
   - Knowledge of scope of disability
   - Ability to complete and file a disability report to insurance standards
   - Knowledge of legal responsibility of filing a disability report

30. Consider the results of commonly used laboratory tests
   KSAs
   - Ability to understand the rationale for common Western laboratory tests (such as complete blood count, basic metabolic panel, urinalysis, liver panel, cardiac panel, thyroid panel)
   - Understand the terminology associated with elevated or decreased laboratory values (e.g., anemia, thrombocytopenia, neutropenia, etc.)

31. Consider imaging (e.g., MRI, x-ray, CT scan, colonoscopy)
   KSAs
   - Ability to understand imaging test names and uses (e.g., colonoscopy, cystoscopy, bronchoscopy, etc.)
   - Ability to understand what can be diagnosed with each imaging test (e.g., colonoscopy: diseases of the colon, cystoscopy: diseases of the bladder, bronchoscopy: diseases of the respiratory tract)

32. Consider EEG reports  **Deleted**
   KSAs
   - Ability to understand the rationale for common western diagnostic tools, such as lab and imaging
   - Knowledge of relationship between patient’s signs and symptoms and possible association of results

33. Consider EKG reports  **Deleted**
   KSAs
   - Ability to understand the rationale for common western diagnostic tools, such as lab and imaging
   - Knowledge of relationship between patient’s signs and symptoms and possible association of results

**Domain 2 Pharmaceuticals and Supplementations  (20%)**

34. Recognize prescription and non-prescription Western medications that the patient is taking which will have an impact on the diagnosis and treatment of the patient’s condition
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

KSAs
- Knowledge of drug categories
- Knowledge of drug interaction with herbs
- Knowledge of side effects effecting of drugs on needling
- Knowledge of red flags and danger signs of pharmaceutical use

35. Understand the functions and adverse drug reactions of common pharmaceutical drugs
KSAs
- Knowledge of drug categories
- Knowledge of signs and symptoms common to drug categories

36. Apply knowledge of Drug-Drug interactions
KSAs
- Ability to communicate with pharmacist

37. Consult pharmaceutical references (e.g., Physician Reference Desk)
KSAs
- Ability to use a PDR or like
- Familiarity with nomenclature and technical language regarding pharmaceuticals

38. Administer intravenous therapy Deleted
KSAs
- Knowledge of state laws to administer IV
- Licensing for skills appropriate to laws

39. Prescribe hormones Deleted
KSAs
- Knowledge of state laws to administer IV
- Licensing for skills appropriate to laws

40. Prescribe pharmaceutical drugs other than hormones Deleted
KSAs
- Knowledge of state laws to administer IV
- Licensing for skills appropriate to laws

41. Evaluate patients supplements in relationship to their treatment Task Added After Survey Administration Approved by SMEs on 6/9/08
KSAs
- Knowledge of basic supplementation such as Vitamins, Mineral, Fatty Acids, Enzymes
- The ability to evaluate the symptoms that may occur from excess supplementation.
- Knowledge to recognize gross/basic deficiency of nutrition such as bruising, skin lesions, mental stress and fatigue, etc.

Domain 3 Safety (30%)
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

42. Identify medical emergencies and take appropriate actions including making referrals
   KSAs
   - Ability to recognize medical emergencies

43. Manage emergency situations including:
   A. Anaphylaxis
      KSAs
      - Knowledge of patient history
      - Knowledge of EPI pen
      - Ability to recognize medical emergencies
      - Ability to cal 911
      - Ability to administer aid of CPR
   B. Abuse (drug, alcohol, and physical)
      KSAs
      - Ability to recognize abuse
      - Knowledge of resources
      - Ability to ask appropriate questions to determine intervention
   C. Bleeding
      KSAs
      - Ability to recognize medical emergencies
      - Knowledge of first aid in stopping bleeding
   D. Cardiac arrest (performing CPR)
      KSAs
      - Knowledge of how to assess immediate necessity of CPR
      - Knowledge of how long to administer CPR
      - Knowledge of how to adapt the maneuver for infant, child, etc
      - Knowledge of technique, including frequency and rhythm of maneuver
   E. Fainting
      KSAs
      - Ability to recognize medical emergencies
      - Knowledge of first aid techniques
   F. General first aid
      KSAs
      - Ability to recognize medical emergencies
      - Knowledge of first aid techniques
   G. Respiratory arrest
      KSAs
      - Knowledge of how to assess immediate necessity of CPR
      - Knowledge of how long to administer CPR
      - Knowledge of how to adapt the maneuver for infant, child, etc
      - Knowledge of technique, including frequency and rhythm of maneuver

44. Practice clean needle technique
   KSAs
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- Knowledge of clean needle technique

45. Identify and implement infection control precautions (e.g., universal precaution)
   KSAs
   - Knowledge of accepted standard of best practice to reduce risks, including how to implement universal precautions for infectious control during treatment to prevent cross-contamination
   - Ability to follow rules, regulations and reporting

Domain 4 Legal, Ethical, and Practice Management Issues (30%)

LEGAL ISSUES
46. Follow local/state/federal laws/rules, regulations and statues
   A. Occupational Safety & Health Administration (OSHA)
      KSAs
      - Knowledge of applicable federal and state requirements, including OSHA requirements concerning the disposal of biohazard containers as well as all OSHA requirements
      - Knowledge of accepted standard of best practice to reduce risks, including how to implement universal precautions for infectious control during treatment to prevent cross-contamination
   B. Health Insurance Portability and Accountability Act (HIPAA)
      KSAs
      - Knowledge of applicable state requirements
   C. Knowledge of insurance regulations
      KSAs
      - Knowledge of generally accepted practice management procedures, including an understanding of professional liability insurance
      - Knowledge of state requirements
   D. Reporting requirements (e.g., abuse, disease transmission)
      KSAs
      - Knowledge of procedures of state requirements,
      - Understanding of professional liability and responsibility
   E. Biohazard management
      KSAs
      - Knowledge of Biohazard management procedures, including disposal of needles and contaminated supplies by placing them in the required type of container to prevent accidental punctures
      - Knowledge of applicable federal and state requirements, including OSHA requirements concerning the disposal of biohazard containers
      - Knowledge of accepted standard of best practice to reduce risks, including how to implement universal precautions for infectious control during treatment to prevent cross-contamination
   F. Fire and safety
      KSAs
      - Knowledge of city/township requirements
      - Ability to follow through

ETHICAL ISSUES
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

47. Apply knowledge of rules and regulations of patient boundaries
   KSAs
   - Knowledge of code of ethics of state and other professional governing bodies (including NCCAOM Code of Ethics
   - A complete understanding of boundaries in a clinical setting
   - Ability to follow the rules and regulations

48. Comply with all professional and ethical standards and professional codes of ethics (including NCCAOM Code of Ethics)
   KSAs
   - Knowledge of code of ethics of state and other professional governing bodies (including NCCAOM Code of Ethics
   - A complete understanding of codes of ethics in a clinical setting
   - Understanding professional responsibility to abide by the code of ethics
   - Ability to follow the rules and regulations

PRACTICE MANAGEMENT ISSUES
49. Maintain appropriate medical records in a confidential manner and be able to convey medical evaluation and interventions in correct report form
   KSAs
   - Understand the components of various formats of medical records and report writing (e.g., SOAP notes, progress report, ICD Codes, etc.)
   - Knowledge of how to comply with the requirements of federal laws relating to HIPAA
   - Ability to appropriately chart treatments and report progress

50. Observe standard practice management procedures (i.e., licensure, taxation, vaccination)
   KSAs
   - Knowledge of state and federal laws and rules
   - Ability to execute procedures
   - Ability to understand and maintain laws

51. Consult with patients about medical decision making (Informed Consent)
   KSAs
   - Knowledge of the basics of medical decision making legal issues and ability to convey a recommendation that they seek legal advice
   - Ability to convey the benefits, risks and potential side effects of treatments

52. Understand requirements for licensure
   KSAs
   - Knowledge of state laws and rules
   - Ability to complete and maintain requirements

53. Use ICD codes
   KSAs
   - Knowledge of state and federal insurance laws
   - Ability to understand appropriate use of ICD codes
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

54. Use CPT codes
   KSAs
   - Knowledge of state and federal insurance laws
   - Ability to understand appropriate use of CPT codes

55. Collaborate effectively with other members of the patient’s healthcare team (DC, MD, pharmacist, physical therapist or other healthcare provider)
   KSAs
   - Knowledge of Western medicine terminology
   - Knowledge of what information is most relevant to other medical professionals regarding the patients, regarding our licensure and NCCAOM Certification as an indicator of safe practice and regarding our treatment plan for that patient

56. Take appropriate actions in cases of public health issues (e.g., abuse, violence, sexually transmitted diseases, epidemic diseases)
   KSAs
   - Ability to recognize issues which require reporting and/or referral to an appropriate protective services or social agency

57. Make appropriate referrals (e.g., medical, psychosocial follow-up)
   KSAs
   - Ability to recognize issues which require reporting and/or referral to an appropriate protective services or social agency
   - Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
Appendix I: Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

Chinese Herbology

DOMAIN ONE PROFESSIONAL PREPARATION AND SAFETY

1. Task - Establish/Maintain a TCM Herbal Pharmacy using raw herbs
KSA
- Knowledge of individual raw herbs
- Knowledge of the different properties and functions of different individual raw herbs
- Knowledge to concepts and theories of raw herb usage
- Knowledge of different techniques to store raw herbs in a TCM Herbal Pharmacy
- Knowledge of sanitary raw herb handling
- Knowledge of the functions & common dosages of individual raw herbs
- Ability to identify labeling and mislabeling of raw herbs
- Skills to maintain storage of individual raw herbs

2. Task - Maintain an Herbal Pharmacy using granules and/or powders
KSA
- Knowledge of common dosages for granules/powders
- Knowledge of granules/powders
- Knowledge of Herbal Pharmacies
- Knowledge of different techniques to store granules/powders
- Ability to identify labeling and mislabeling of granules/powders
- Skills to assess the quality of granules/powders
- Skills to maintain storage of granules/powders

3. Task - Mix/Compound formulas using granules/powders/liquids
KSA
- Knowledge of Compound formulas
- Knowledge of granules/powders/liquids
- Knowledge of safety laws, regulations concerning formula preparations
- Ability to identify products not meeting GMP standards
- Ability to equate measurements with ratio of ingredients and dosage
- Skills to prepare/administer compound formulas
- Skills to assess GMP standards concerning formulas

4. Task - Maintain an Herbal Pharmacy using prepared tinctures/liquids
KSA
- Knowledge of prepared tinctures/liquids
- Knowledge of concepts, contraindications, theories of prepared tinctures/liquids
- Knowledge of safety regulations, laws, use, storage of prepared tinctures/liquids
- Ability to recognize the core formula and identify the modifications of modern prepared herbal preparations (i.e., Kan, Modular solutions, etc.)
- Skills to assess GMP standards concerning tinctures/liquids

5. Task - Maintain/Recommend only patent medicines for “simple cases”
KSA
- Knowledge of indications & ingredients of commonly used patent medicines
- Knowledge of patent medicine
- Knowledge of storage procedures for patent medicines
- Knowledge of ‘simple cases’
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to prescribe herbs that also belong to food for patient
- Skills to diagnosis patient’s condition according to TCM theory
- Skills to administer patent medicines for ‘simple cases’

6. Task - Manage inventory of herbal products to assure active turnover
KSA
- Knowledge of shelf life/expiration guidelines
- Knowledge of laws and regulations concerning storage of herbal products
- Knowledge of basic inventory control methods
- Knowledge of record keeping
- Knowledge to maintain records of herbal products
- Ability to keep inventory products fresh & in good quality
- Skills to manage inventory

7. Task - Write Rx (prescription) to be filled elsewhere by TCM Herbal Pharmacy/Herb Shop Delete
KSA
- Knowledge of outside vendors (i.e., TCM Herbal Pharmacy/Herb Shop) that provides CH prescriptions
- Knowledge of format for writing prescriptions (i.e., dosage & patient instructions)
- Knowledge to writing prescriptions
- Knowledge of outside vendors (i.e., TCM Herbal Pharmacy/Herb Shop) products (i.e., freshness, turnover), safety rules, violations, cost, and their ability to service your customers
- Ability to identify mistakes from prescriptions
- Skills to write a prescription

8. Task - Prepare/Compound external herbal formulas (e.g., plasters, liniments) Delete
KSA
- Knowledge of external herbal formulas
- Knowledge of external herbal formula preparations, techniques
- Knowledge of safety rules & regulations concerning liniment preparation
- Knowledge to prepare/compound external herbal formulas
- Ability to compound external herbal formulas
- Skills to assess the quality of herbs used in external herbal formulas
- Skills to administer external herbal formula

9. Task - Process/Prepare crude herbs for dispensing (e.g., honey-fried licorice Delete
(Comments: Not too many people do this)
KSA
- Knowledge of crude herbs
- Knowledge of theories and concepts concerning crude herb usage
- Knowledge of concepts and contraindications of crude herbs
- Knowledge of methods for preparing crude herbs (Pao Zhi)
- Ability to prepare/administer crude herbs
- Skills to assess quality of crude herbs
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

10. Task - Maintain medication profiles of patients including registry of poisons and narcotic and/or controlled drugs
   KSA
   - Knowledge of poisons
   - Knowledge of narcotics
   - Knowledge of controlled drugs
   - Knowledge of patient’s medical history, medication use and/or illegal drug usage
   - Knowledge of toxicity of Chinese Herbs
   - Knowledge of herb dosage
   - Knowledge of basic side effects of medications
   - Ability to maintain patient profiles
   - Ability to assess interactions of legal vs. illegal drugs
   - Skills to maintain patient profiles

11. Task - Identify products that are manufactured with GMP standards
    KSA
    - Knowledge of GMP standards
    - Knowledge of products manufactured with GMP standards
    - Knowledge of handling products manufactured with GMP standards
    - Ability to distinguish different qualities of herbal products
    - Ability to maintain records of products manufactured with GMP standards
    - Skills to assess quality of herbal products

12. Task - Identify products containing endangered species
     KSA
     - Knowledge of endangered species
     - Knowledge of products containing endangered species
     - Knowledge of usage for products containing endangered species
     - Knowledge of safety procedures as to handling products containing endangered species
     - Knowledge of contraindications concerning products with endangered species
     - Knowledge to maintain records of products containing endangered species
     - Ability to provide safety handling of product
     - Ability to distinguish different quality products
     - Skills to assess the quality of products containing endangered species
     - Skills to understand concentration ratio of each company’s product (i.e., prepared forms such as powder form, ready made formula/pills, capsules, tincture) and be able to prescribe herbal prescription with appropriate forms (i.e., raw, powder, pills, etc) and correct dosage

13. Task - Maintain grinder used to prepare herbal formulas (i.e., clean, etc.) Delete
     KSA
     - Knowledge of grinders and grinder usage
     - Knowledge of herbal formulas
     - Knowledge to maintain grinder used in preparing herbal formulas
     - Ability to manipulate grinder to prepare herbal formula
     - Skills to manipulate grinder to prepare herbal formula
     - Skills to maintain grinders

14. Task - Maintain bowls used in the preparation of herbal formulas
     KSA
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of bowls used to prepare herbal formulas
- Knowledge of different types of bowls for herbal formula use (i.e., plastic, glass, marble, etc)
- Knowledge of bowl preparation (pre) for herbal formulas
- Knowledge of sanitation rules and regulations
- Ability to maintain bowls for herbal preparations
- Skills to maintain bowls for herbal preparations

15. Task - Maintain scales used in the preparation of herbal formulas (i.e., calibrate)
KSA
- Knowledge of scales
- Knowledge to calibrate scale
- Knowledge of herbal dosages
- Knowledge of laws and regulations concerning scale use in medicine
- Knowledge to prepare scale to measure herbs
- Ability to measure herbs accurately
- Skills prepare scale for measurements

16. Task - Request from herb suppliers information concerning their testing procedures for contaminants
KSA
- Knowledge of herb suppliers (i.e., company/organization, supply rules & regulations, certification, reputation)
- Knowledge of contaminants
- Knowledge of testing procedures for contaminants
- Ability to prevent using contaminated herbs
- Skills to assess quality of herbs from herb suppliers
- Skills to understand concentration ratio of each company’s product (i.e., prepared forms such as powder form, ready made formula/pills, capsules, tincture) and be able to prescribe herbal prescription with appropriate forms (i.e., raw, powder, pills, etc.) and correct dosage(s)

17. Task - Monitor/Test stored herbs for mold, infestation or contamination
KSA
- Knowledge of monitoring herbs for mold, infestation or contamination
- Knowledge to test herbs for contamination
- Ability to monitor herbs for contamination
- Ability to prevent contamination and use of poor quality herbs
- Skills to assess the quality of herbs
- Skills to test for herb contamination

18. Task - Evaluate purchased herbs for quality (i.e., overly dried, mold, infestation, etc.)
KSA
- Knowledge to evaluate purchased herbs for quality
- Knowledge of evaluation procedures for purchased herbs
- Knowledge of safety rules, laws concerning purchased herbs
- Knowledge of handling purchased herbs
- Knowledge of origins for purchased herbs
- Ability to prevent using poor quality herbs
- Skills to assess the quality of purchased herbs
Appendix I:  
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

19. Task - Monitor herb supply, tinctures and other prepared products for expiration dates
   KSA
   - Knowledge to monitor herbal supplies, tinctures & other prepared products for expiration dates
   - Knowledge of record keeping of herb supplies, tinctures & other prepared products for expiration dates
   - Knowledge to discard products after expiration dates
   - Knowledge to properly store herbal products, and other supplies
   - Ability to monitor herbal supply for freshness
   - Skills to monitor herbal supply for freshness

20. Task - Separate storage for external use or low dosage herbs from other herbs
   KSA
   - Knowledge of herbs
   - Knowledge of low dosage herbs
   - Knowledge of herbs used for external use
   - Knowledge to identify the different herbs
   - Knowledge of storage procedures for herbs
   - Knowledge to provide separate storage for external use or low dosage herbs from other herbs
   - Knowledge to recognize external use or low dosage herbs from other herbs
   - Ability to provide proper storage for herbs (external and/or low dosage herbs from other herbs)
   - Skills to identify herbs
   - Skills to provide the proper storage of herbs (i.e., external use, low dosage, other herbs)

21. Task - Request from whole herb supplier(s) a Certificate of Analysis
   KSA
   - Knowledge of Certificate of Analysis
   - Knowledge to administer whole herbs
   - Knowledge of techniques, concepts and contraindications of whole herbs
   - Knowledge to request from whole herb suppliers) a Certificate of Analysis
   - Knowledge of whole herbs (i.e., properties, identification, etc)
   - Knowledge of Certificates of Analysis
   - Knowledge of whole herb supplier
   - Knowledge of whole herb supplier(s) procedures concerning herb production and quality
   - Ability to request Certificate of Analysis
   - Ability to prevent using poor quality herbs/products
   - Skills to assess quality of the herbs/products

22. Task - Request from powdered herb supplier(s) a Certificate of Analysis
   KSA
   - Knowledge of powdered herbs
   - Knowledge of techniques, concepts and contraindications of powdered herbs
   - Knowledge to administer powdered herbs
   - Knowledge to request from powdered herb supplier(s) a Certificate of Analysis
   - Knowledge of Certificates of Analysis
   - Knowledge of powdered herb supplier
   - Ability to prevent using poor quality herbs
   - Ability to request Certificate of Analysis
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to prevent using poor quality herbs
- Skills to assess quality of powdered herbs
- Skills to administer powdered herbs

23. Task - Request from pill supplier(s) a Certificate of Analysis
KSA
- Knowledge of pills
- Knowledge of concepts, techniques and contraindications of pills
- Knowledge to request from pill supplier(s) a Certificate of Analysis
- Knowledge of Certificate of Analysis
- Ability to prevent using poor quality pills
- Skills to assess quality from suppliers
- Skills to administer pills

24. Task - Identify the quality and medicinal characteristics of herbs (e.g., aroma, flavor, overly dried, correct plant part, preparation)
KSA
- Knowledge of the quality and medicinal characteristics of herbs
- Knowledge of the concepts, techniques and contraindications of herbs
- Knowledge to administer herbs
- Ability to prevent using poor quality herbs
- Ability to administer herbs for treatment
- Skills to assess quality of herbs
- Skills to administer herbs for treatment

25. Task - Evaluate botanical identification of herbs
(Comment: botanical is not an OM practice scope)
KSA
- Knowledge of botanical identification of herbs
- Knowledge of herbs (i.e., properties)
- Knowledge of concepts and contraindications of herbs
- Ability to recognize properties of botanical herb and their usage
- Skills to apply botanical herbs and their usage for patients
- Skills to utilize herbs

26. Task - Maintain records/reports of returns
KA
- Knowledge of business management
- Knowledge to create records
- Knowledge to create reports of returns
- Knowledge of maintaining records/reports of returns of herbs
- Ability to maintain good medical/business management
- Skills to maintain medical records
- Skills to create records and reports of returns

27. Task - Maintain records/reports of discards
KSA
- Knowledge of maintaining records/reports of discards of herbs
- Knowledge of business management
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- Knowledge to create records/reports of discards
- Ability to maintain good medical/business management
- Skills to maintain medical records
- Skills to create records/reports of discards

28. Task - Maintain records/reports of unexpected side effects
KSA
- Knowledge of business practices
- Knowledge of record keeping
- Knowledge of side effects
- Knowledge of regulations and laws pertaining record keeping
- Knowledge of maintaining records/reports of unexpected side effects from herbs
- Ability to maintain good medical/business management
- Skills to keep medical records
- Skills to produce medical records

29. Task - Record dates of sanitizing tools Delete
KSA
- Knowledge of sanitation
- Knowledge to provide sanitation
- Knowledge of sanitation techniques
- Knowledge of safety laws pertaining to sanitation
- Knowledge of concepts, theories of sanitation
- Knowledge of recording dates for sanitizing tools
- Ability to maintain OS requirements
- Ability to administer sanitation
- Skills to administer sanitation
- Skills to record/keep records of sanitation

30. Task - Record dates of scale calibration Delete
KSA
- Knowledge of recording dates for scale calibration
- Knowledge of scale calibrations
- Knowledge of regulations/laws related to scale calibrations
- Ability to maintain good business management
- Skills to keep office records

31. Task - Maintain records/reports of communications within the dispensary (i.e., phone calls, order changes, customer requests)
KSA
- Knowledge of record keeping/business practices
- Knowledge of maintaining records/reports of communications with the dispensary (i.e., phone calls, order changes, customer requests)
- Knowledge of record keeping according to laws and regulations
- Ability to maintain good business management
- Skills to keep/maintain office records
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32. Task - Maintain procedures manual for dispensary activities Delete
KSA
- Knowledge to create/produce procedures manual
- Knowledge of business practices/record procedures
- Knowledge of maintaining procedures manual for dispensary activities
- Ability to maintain good business management
- Skills to keep office records/procedures manual

DOMAIN TWO
HERBAL PRESCRIBING/WRITING A FORMULA (CHU FANG)

33. Task - Prescribe and dispense herbs taking into account precautions and contraindications for the patient’s condition
KSA
- Knowledge to understand implications of patient’s disease on the prescribing of Chinese medicinal herbs (i.e., diabetes)
- Knowledge of side effects of herbs
- Knowledge of techniques to prescribe/dispense herbs for treatment
- Skills to apply precautions and contraindications to each individual situation
- Knowledge of concepts, precautions and contraindications pertaining to prescribing and dispensing herbs
- Ability to prescribe herbs according to TCM diagnosis
- Skills to administer dispensing of herbs and prescriptions

34. Task - Explain the contrast between the characteristics of Western vs. Chinese medicinal herbs
(Comments: Western medicinal herbs are not in OM practice scope)
KSA
- Knowledge of Western herbs
- Knowledge of Chinese medicinal herbs
- Knowledge of the concepts, techniques, theories and contraindications of Western medicine
- Knowledge of the concepts, techniques, theories and contraindications of Chinese medicinal herbs
- Skills to administer Western vs. Chinese herbs for the patient
- Ability to administer Western vs. Chinese herbs for the patient
- Skills to contrast Western vs. Chinese herbs for the patient
- Skills to administer Western medicine
- Skills to administer Chinese medicinal herbs

35. Task - Prescribe appropriate form of administration of herbal formula preparations for the patient’s condition (e.g., decoction, powder, pills, tinctures, external applications)
KSA
- Knowledge of the dosage consideration of various forms of the same formula
- Knowledge of the suitability of various forms of administering herbs for different conditions
- Knowledge to prepare herbal formulas
- Knowledge of theories and concepts of herbal formula
- Ability to administer herbal formula preparations
- Ability to provide patient with accepted method to take herbs
- Skills to inform/teach the patient of herbal use
- Skills to administer herbal formulas
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36. Task - Gauge patient’s receptivity and vigor and anticipate patient’s reaction to treatment (possible fear or poor compliance)
KSA
- Knowledge to gauge patient’s response to treatment
- Ability to gauge treatment’s side effects to the patient
- Ability to administer treatment
- Skills to gauge patient’s responses concerning treatment
- Skills to administer treatment

37. Task - Evaluate and adjust core formula relative to the constitution of the patient (e.g., the current balance between defensive Qi and pathogenic factor, and the state of his/her digestive system)
KSA
- Knowledge to evaluate and adjust core formulas in relation to the patient’s condition.
- Knowledge of Qi
- Knowledge of patient’s condition
- Knowledge of formulas
- Knowledge to modify herbal formula related to patient’s condition
- Knowledge of TCM
- Ability to prescribe formula and herbs according to TCM diagnosis
- Skills to assess patient
- Skills to provide TCM diagnosis

38. Task - Prescribe/Explain the correct method of decocting the particular combination of herbs in the formula (preliminary decocting, later decocting, wrapped, double-boiled, add herb after decocting)
KSA
- Knowledge of appropriate method for herbal preparations
- Knowledge to explain correct methods for herbal preparations
- Skills to correctly decoct combinations of herbs in formulas
- Ability to correctly prepare decocted combinations of herbs in formulas

39. Task - Rate each of the following Appendix of Formulas in terms of Frequency and Importance

- Ba Zhen Tang (Eight-Treasure Decoction)
- Ba Zheng San (Eight-Herb Powder for Rectification)
- Bai He Gu Jin Tang (Lily Bulb Decoction to Preserve the Metal)
- Bai Hu Tang (White Tiger Decoction)
- Bai Tou Weng Tang (Pulsatilla Decoction)
- Ban Xia Bai Zhu Tian Ma Tang (Pinellia, Atractylodis Macrocephalae, and Gastrodia Decoction)
- Ban Xia Hou Po Tang (Pinellia and Magnolia Bark)
- Ban Xia Xie Xin Tang (Pinellia Decoction to Drain the Epigastrium)
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- Bao He Wan (Preserve Harmony Pill)
- Bei Xie Fen Qing Yin (Dioscorea Hypoglaucia Decoction to Separate the Clear)
- Bu Yang Huan Wu Tang (Tonify the Yang to Restore Five (Tenths) Decoction)
- Bu Zhong Yi Qi Tang (Tonify the Middle and Augment the Qi Decoction)
- Cang Er Zi San (Xanthium Powder)
- Chai Ge Jie Ji Tang (Bupleurum and Kudzu Decoction)
- Chai Hu Shu Gan San (Bupleurum Powder to Spread the Liver)
- Chuan Xiong Cha Tiao San (Ligusticum Chuanxiong Powder to be Taken with Green Tea)
- Da Bu Yin Wan (Great Tonify the Yin Pill)
- Da Chai Hu Tang (Major Bupleurum Decoction)
- Da Cheng Qi Tang (Major Order the Qi Decoction)
- Da Jian Zhong Tang (Major Construct the Middle)
- Dang Gui Bu Xue Tang (Tangkuei Decoction to Tonify the Blood)
- Dang Gui Liu Huang Tang (Tangkuei and Six-Yellow Decoction)
- Dao Chi San (Guide Out the Red Powder)
- Ding Chuan Tang (Arrest Wheezing Decoction)
- Ding Xiang Shi Di Tang (Clove and Persimmon Calyx Decoction) Delete
- Du Huo Ji Sheng Tang (angelica Pubescens and Sangjisheng Decoction)
- Du Qi Wan (Capital Qi Pill)
- Er Chen Tang (Two-Cured Decoction)
- Er Miao San (Two-Marvel Powder)
- Er Xian Tang (Two-Immortal Decoction)
- Er Zhi Wan (Two-Ultimate Pill)
- Fu Yuan Huo Xue Tang (Revive Health by Invigorating the Blood Decoction)
- Gan Cao Xie Xin Tang (Licorice Decoction to Drain the Epigastrium) Delete
- Gan Mai Da Zao Tang (Licorice, Wheat, and Jujube Decoction)
- Ge Gen Huang Lian Huang Qin Tang (Kudzu, Coptis, and Scutellaria Decoction)
- Ge Gen Tang (Kudzu Decoction)
- Ge Xia Zhu Yu Tang (Drive Out Blood Stasis Below the Diaphragm Decoction)
- Gui Pi Tang (Restore the Spleen Decoction)
- Gui Zhi Fu Ling Wan (Cinnamon Twig and Poria Pill)
- Gui Zhi Shao Yao Zhi Mu Tang (Cinnamon Twig, Peony, and Anemarrhena Decoction)
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- Gui Zhi Tang (Cinnamon Twig Decoction)
- Huang Lian E Jiao Tang (Coptis and Ass-Hide Gelatin Decoction)
- Huang Lian Jie Du Tang (Coptis Decoction to Relieve Toxicity)
- Huo Xiang Zheng Qi San (Agastache Powder to Rectify the Qi)
- Ji Chuan Jian (Benefit the River (Flow) Decoction)
- Jia Jiaen Wei Rui Tang (Modified Polygonatum Odoratum) Delete
- Jian Bi Tang (Remove Painful Obstruction Decoction from Medical Revelations)
- Jiao Ai Tang (Ass-Hide Gelatin and Mugwort Decoction)
- Jin Gui Shen Qi Wan (Kidney Qi Pill from the Golden Cabinet)
- Jin Ling Zi San (Melia Toosendan Powder) Delete
- Jin Suo Gu Jing Wan (Metal Lock Pill to Stabilize the Essence)
- Ju Pi Zhu Ru Tang (Tangerine Peel and Bamboo Shaving Decoction)
- Li Zhong Wan (Regulate the Middle Pill)
- Liang Fu Wan (Galangal and Cyprus Pill) Delete
- Liang Ge San (Cool the Diaphragm Powder) Delete
- Ling Gui Zhu Gan Tang (Poria, Cinnamon Twig, Atractylodis Macrocephalae and Licorice Decoction)
- Ling Jian Gou Teng Tang (Antelope Horn and Uncaria Decoction)
- Liu Wei Di Huang Wan (Six-Ingredient Pill with Rehmannia)
- Liu Yi San (Six-to-One Powder) Delete
- Long Dan Xie Gan Tang (Gentiana Longdancao Decoction to Drain the Liver)
- Ma Huang Tang (Ephedra Decoction)
- Ma Xing Shi Gan Tang (Ephedra, Apricot Kernel, Gypsum and Licorice Decoction)
- Ma Zi Ren Wan (Hemp Seed Pill)
- Mai Men Dong Tang (Ophiopogonis Decoction)
- Mu Li San (Oyster Shell Powder)
- Nuan Gan Jian (Warm the Liver Decoction)
- Ping Wei San (Calm the Stomach Powder)
- Pu Ji Xiao Du Yin (Universal Benefit Decoction to Eliminate Toxin)
- Qi Ju Di Huang Wan (Lycium Fruit, Chrysanthemum and Rehmannia Pill)
- Qiang Huo Sheng Shi Tang (Notopterygium Decoction to Overcome Dampness)
- Qin Wei San (Clear the Stomach Powder)
- Qing Gu San (Cool the Bones Powder)
- Qing Hao Bie Jia Tang (Artemisia Annua and Soft-Shelled Turtle Shell Decoction)
- Qing Qi Hua Tan Wan (Clear the Qi and Transform Phlegm Pill)
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- Qing Wen Bai Du San (Clear Epidemics and Overcome Toxin Decoction) Delete
- Qing Ying Tang (Clear the Nutritive Level Decoction)
- Qing Zao Jiu Fei Tang (Eliminate Dryness and Rescue the Lungs Decoction)
- Ren Shen Bai Du San (Ginseng Powder to Overcome Pathogenic Influences)
- San Zi Yang Qing Tang (Three-Seed Decoction to Nourish One’s Parents)
- Sang Ju Yin (Mulberry Leaf and Chrysanthemum Decoction)
- Sang Piao Xiao San (Mantis Egg-Case Powder)
- Sang Xing Tang (Mulberry Leaf and Apricot Kernel Decoction)
- Shao Fu Zhu Yu Tang (Drive-Out Blood Stasis in the Lower Abdomen Decoction)
- Shao Yao Gan Cao Tang (Peony and Licorice Decoction)
- Shao Yao Tang (Peony Decoction)
- Shen Ling Bai Zhu San (Ginseng, Poria and Atractylodes Macrocephala Powder)
- Shen Tong Zhu Yu Tang (Drive Out Blood Stasis from a Painful Body Decoction)
- Sheng Hua Tang (Generation and Transformation Decoction)
- Sheng Jiang Xie Xin Tang (Fresh Ginger Decoction to Drain the Epigastrium) Delete
- Sheng Ma Ge Gen Tang (Cimicifuga and Kudzu Decoction) Delete
- Sheng Mai San (Generate the Pulse Powder)
- Shi Hui San (Ten Partially-Charred Substance Powder) Delete
- Shi Pi Yin (Bolster the Spleen Decoction) Delete
- Shi Quan Da Bu Tang (All Inclusive Great Tonifying Decoction)
- Shi Xiao San (Sudden Smile Powder)
- Shou Tai Wan (Fetus Longevity Pill)
- Si Jun Zi Tang (Four-Gentleman Decoction)
- Si Ni San (Frigid Extremities Powder)
- Si Ni Tang (Frigid Extremities Decoction)
- Si Shen Wan (Four-Miracle Pill)
- Si Wu Tang (Four-Substance Decoction)
- Su Zi Jiang Qi Tang (Perilla Fruit Decoction for Directing Qi Downward)
- Suan Zao Ren Tang (Sour Jujube Decoction)
- Tai Shan Pan Shi San (Powder that Gives the Stability of Mount Tai)
- Tian Ma Gou Teng Yin (Gastrodia and Uncaria Decoction)
- Tian Tai Wu Yao San (Top-quality Lindera Powder)
- Tian Wang Bu Xin Dan (Emperor of Heaven’s Special Pill to Tonify the Heart)
- Tiao Wei Cheng Qi Tang (Regulate the Stomach and Order the Qi Decoction)
- Tong Xie Yao Fang (Important Formula for Painful Diarrhea)
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- Wan Dai Tang (End Discharge Decoction)
- **Wei Jing Tang (Reed Decoction) Delete**
- Wen Dan Tang (Warm the Gallbladder Decoction)
- Wen Jing Tang (Warm the Menses Decoction)
- Wu Ling San (Five-Ingredient Powder with Poria)
- Wu Pi San (Five-Peel Powder)
- Wu Wei Xiao du Yin (Five-Ingredient Decoction to Eliminate Toxin)
- Wu Zhu Yu Tang (Evodia Decoction)
- Xi Jiao Di Huang Tang (Rhinoceros Horn and Rehmannia Decoction)
- **Xiang Ru San (Elsholtzia Powder) Delete**
- **Xiang Su San (Cyprus and Perilla Lead Powder) Delete**
- Xiao Chai Hu Tang (Minor Bupleurum Decoction)
- Xiao Cheng Qi Tang (Minor Order the Qi Decoction)
- Xiao Feng San (Eliminate Wind Powder from True Lineage)
- **Xiao Ji Yin Zi (Cephalanoplos Decoction) Delete**
- Xiao Jian Zhong Tang (Minor Construct the Middle)
- Xiao Qing Long Tang (Minor Blue-Green Dragon Decoction)
- Xiao Yao San (Rambling Powder)
- Xie Bai San (Drain the White Powder)
- **Xie Huang San (Drain the Yellow Powder) Delete**
- Xie Xin Tang (Drain the Epigastrium Decoction)
- Xing Su San (Apricot Kernel and Perilla Leaf Powder)
- **Xuan Fu Dai Zhe Tang (Inula and Hermatite Decoction) Delete**
- Xue Fu Zhu Yu Tang (Drive Out Stasis in the Mansion of Blood Decoction)
- **Yang He Tang (Yang-Heartening Decoction) Delete**
- Yi Guan Jian (Linking Decoction)
- Yin Chen Hao Tang (Artemisia Yinchenhao Decoction)
- Yin Qiao San (Honeysuckle and Forsythia Powder)
- You Gui Wan (Restore the Right (Kidney) Pill)
- You Gui Yin (Restore the Right (Kidney) Decoction)
- Yu Nu Jian (Jade Woman Decoction)
- Yu Ping Feng San (Jade Windscreen Powder)
- Yue Ju Wan (Escape Restraint Pill)
- Zhen Gan Xi Feng Tang (Sedate the Liver and Extinguish Wind Decoction)
- **Zhen Ren Yang Zang Tang (True Man’s Decoction to Nourish the Organs) Delete**
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- Zhen Wu Tang (True Warrior Decoction)
- Zhi Bai Di Huang Wan (Anemarrhena Phellodendron and Rehmannia Pill)
- Zhi Gan Cao Tang (Honey-Fried Licorice Decoction)
- Zhi Sou San (Stop Coughing Powder)
- Zhu Ling Tang (Polyporus Decoction)
- Zhu Ye Shi Gao Tang (Lophatherus and Gypsum)
- Zuo Gui Wan (Restore the Left (Kidney) Pill)
- Zuo Gui Yin (Restore the Left (Kidney) Decoction)
- Zuo Jing Wan (Left Metal Pill)

DOMAIN THREE
IMPLEMENTATION, EVALUATION AND MODIFICATION OF TREATMENT

40. Task - Explain the goals of herbal therapy to the patient and/or their physician
KSA
- Knowledge of herbal therapy
- Knowledge of techniques and concepts of herbal therapy
- Ability to identify herbal therapy goals and results
- Skills to teach and relay information to patient

41. Task - Advise patient of potential side-effects, precautions and interactions of herbal formulas with prescribed medications, other herb supplements, and foods (e.g., herb-food, herb-herb, herb-drug)
KSA
- Knowledge of herbal formulas
- Knowledge of over the counter medications
- Knowledge of prescribed medications
- Knowledge of food supplements
- Knowledge of potential side-effects, precautions and interactions of herbal formulas with prescribed medications, other herb supplements and foods
- Ability to identify side effects and interactions
- Skills to teach patient

42. Task - Educate patient about the use of herbs in food, nutritional supplements and dietary recommendations during herbal therapy
KSA
- Knowledge to provide patient concerning use of herbs in foods, nutritional supplements and dietary recommendations during herbal therapy
- Knowledge of herbs use
- Knowledge of dietary supplements
- Knowledge of herbal therapy
- Ability to provide accepted recommendations for individual patient
- Skills to teach the patient
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43. Task - Apply external herbal applications
KSA
- Knowledge of external herbal applications
- Knowledge of techniques to apply external applications
- Knowledge of concepts and contraindications for external herbal applications
- Ability to apply external herbal applications
- Skills to choose the herbal application according to patient’s condition

44. Task - Evaluate the results of treatment by comparing the patient’s condition with prior assessment(s) in order to continue, modify or terminate treatment with herbal formula
KSA
- Knowledge to evaluate patient’s condition with prior assessment(s) in order to continue, modify or terminate treatment with herbal formula
- Knowledge of herbal formulas
- Knowledge of techniques for modification of herbal formulas
- Knowledge of concepts and contraindications of herbal formulas
- Ability to evaluate patient’s condition with prior assessment(s) to determine whether to continue, modify or terminate treatment with the herbal formula
- Skills to diagnosis and treat complicated cases with herbal formulas

45. Task - Consult with patient on additional areas of concern
KSA
- Knowledge of additional areas of concern for patients
- Knowledge of patient history
- Ability to adjust treatment after additional areas of concern are noted
- Skills to diagnosis condition and complicated cases

46. Task - Provide patient with copy of the herbal formula order
KSA
- Knowledge of herbal formula order
- Knowledge to prepare an herbal formula order
- Knowledge to explain to patient herbal formula order
- Ability to provide herbal formula order
- Ability to explain to patient the herbal formula order
- Ability to maintain good medical/business management
- Skills to provide herbal formula order
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Foundations of Oriental Medicine

Domain 1 Obtaining Medical History and Informed Consent (10%)

1. Obtain patient’s identifying information (e.g., name, contact information, age, sex, marital status, occupation)
   KSA
   - Ability to assist patient in identifying and expressing treatment goals in order to establish realistic expectations and informed consent
   - Knowledge of essential identification information required in a medical file
   - Skill and ability to perform a comprehensive interview
   - Knowledge of how to obtain appropriate patient background information
   - Skill and ability to obtain patient’s information through the ones who know him/her best if the patient is not capable physically or mentally

2. Obtain patient’s written informed consent for treatment
   KSA
   - Knowledge of legal requirements of informed consent
   - Knowledge of the elements of informed consent

3. Obtain patient’s health history via patient filling out a form
   KSA
   - Knowledge of essential identification information required in a medical file
   - Knowledge and ability to create or access to a form that is comprehensive and relevant to patient’s health history
   - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   - Knowledge of the common treatments for health conditions and expected changes in symptoms
   - Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers

4. Record patient’s health history via patient interview
   KSA
   - Skill and ability to perform a comprehensive medical interview
   - Knowledge of how to obtain appropriate patient background information
   - Knowledge of essential identification information required in a medical file
   - Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and amelioration, and response to the treatment including both conventional and alternative medicine
   - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   - Knowledge of the common treatments for health conditions and expected changes in symptoms
   - Skill and ability to interview the patient regarding personal medical history, including history of pregnancies and births

5. Obtain patient’s family health history via patient filling out a form
   KSA
   - Knowledge of essential identification information required in a medical file
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- Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
- Knowledge of the common treatments for health conditions and expected changes in symptoms

6. Record patient’s family health history via patient interview
   
   KSA
   - Skill and ability to perform a comprehensive medical interview
   - Skill and ability to obtain appropriate patient background information
   - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   - Knowledge of the common treatments for health conditions and expected changes in symptoms
   - Ability to interview the patient regarding family medical history

7. Record history of patient’s Western medicine treatments
   
   KSA
   - Knowledge of essential identification information required in a medical file
   - Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and amelioration, and response to the treatment including both conventional and alternative medicine
   - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   - Knowledge of the common treatments for health conditions and expected changes in symptoms
   - Skill and ability to record patient’s prescription and non-prescription medications and nutritional supplements
   - Ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers

8. Record history of patient’s Oriental medicine treatments
   
   KSA
   - Knowledge of essential identification information required in a medical file
   - Skill and ability to obtain appropriate patient background information
   - Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and amelioration, and response to the treatment including both conventional and alternative medicine
   - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   - Knowledge of the common treatments for health conditions and expected changes in symptoms
   - Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers

9. Record history of patient’s other medical treatments and health practices (e.g., Ayurvedic medicine, bodywork, yoga, meditation, etc.)
   
   KSA
   - Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
   - Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and amelioration, and response to the treatment including both conventional and alternative medicine
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10. Record information regarding patient’s occupation, exercise, stressors, and stress-relieving activities

KSA
- Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of appropriate amounts of rest and activity, and the benefits of stress management activities
- Knowledge of possible influence on the health conditions from patient’s occupation, exercise, stressors, and stress-relieving activities

11. Record information regarding patient’s living situation, family, community support, and risk factors

KSA
- Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of and ability to recognize, potential signs of trauma, domestic violence, sexual abuse, elder abuse, etc., and discuss the matter with the patient, and make appropriate referral when warranted
- Ability to recognize potential signs of emotional instability which may require medical intervention/referral
- Knowledge of possible influence on the health conditions from patient’s living situation, family, community support, and risk factors

12. Record information regarding patient’s mental and/or emotional factors and significant life events

KSA
- Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of and ability to recognize symptoms and signs of mental and/or emotional conditions and discuss the matter with the patient, and make appropriate referral when appropriate

13. Record information regarding patient’s dietary habits and nutrition

KSA
- Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of dietary and nutritional influence on health
- Knowledge of and the ability to recognize, potential signs of eating disorders, and to discuss with patient and make referral when appropriate

14. Record information regarding patient’s use of prescription and non-prescription medications, herbs, and supplements

KSA
- Skill and ability to record the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of the common effects of (classes of) prescription and non-prescription medications
- Knowledge of possible drug-drug, drug-herb, and drug-food interactions
- Knowledge of the significance of dosages, duration of use and delivery method of commonly used drugs, herbs and nutritional supplements
- Ability to research and access information about medications, herbs and supplements, including possible interactions and potential side effects
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- Knowledge and ability to evaluate web content and research validity

15. Record information regarding patient’s substance use, including smoking, alcohol, and recreational drugs
KSA
- Skill and ability to record patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of the effects of the use of tobacco, alcohol, and street drugs on human physiology and mental-emotional health
- Ability to research and access information regarding substance use, including possible interactions and potential side effects
- Ability to identify common symptoms associated with substance abuse
- Knowledge of and access to referrals to treatment for substance use, when appropriate

16. Determine patient’s comfort level with physical contact pertaining to the practitioner’s assessment and treatment
KSA
- Ability to properly inform the patient regarding the nature of the physical contact associated with diagnosis and treatment
- Knowledge of the best practices regarding physical contact and informed consent

Domain 2 Assessment (20%)
Using traditional Oriental diagnostic techniques and methods to determine physiological status, pathologies, and patterns of disharmony

17. Ask about sensations of hot or cold, chills or fever
KSA
- Knowledge of interrelations, etiologies and pathologies of hot, cold, chills and fever
- Knowledge of associations of hot, cold, chills and fever with patterns of disharmony
- Ability to assess hot, cold, chills and fever to determine patterns of disharmony such as external or internal disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

18. Ask about nature, intensity, and location of pain, discomfort, or sensations (e.g., numbness or tingling)
KSA
- Knowledge of the identifications and differentiations of various kinds of pain and abnormal sensations
- Knowledge of the pathologies, patterns of disharmonies of pain, discomfort, numbness or tingling
- Ability to identify pain, discomfort, numbness, or tingling to determine pathologies
-Ability to determine affected meridians or Zang-Fu
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of pain is outside of scope of practice or if the patient is in need of
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immediate emergency care

19. Ask about patterns and nature of perspiration or sweating  
KSA  
- Knowledge of perspiration or sweating regarding the patterns, natures, physiologies, and pathologies  
- Knowledge of associations of perspiration conditions with patterns of disharmony  
- Ability to recognize the relevant patterns of perspiration/sweating  
- Ability to conduct the Asking Element of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient  
- Ability to determine if the nature of condition is outside of scope of practice or if the patient is in need of immediate emergency care

20. Ask about secretions and excretions (phlegm, sputum, etc.)  
KSA  
- Knowledge of secretions and excretions (phlegm, sputum, saliva, etc.) regarding the origin, production, formation, pathological influence, involved organs and meridians  
- Knowledge of the natures and pathological patterns of secretions and excretions (phlegm, sputum, saliva, etc.) according to the color, thickness, odor, combination with blood  
- Ability to examine and assess secretions and excretions to determine pathologies

21. Ask about sleep patterns and difficulties  
KSA  
- Knowledge of sleep regarding the physiology, pathology and abnormal patterns  
- Knowledge of associations of sleep patterns with patterns of disharmony  
- Knowledge of how various patterns of disharmony manifest as differing patterns of sleep or insomnia  
- Ability to conduct the Asking Element of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

22. Ask about preferences and cravings for tastes or flavors (salty, sour, sweet, pungent, bitter, etc.)  
KSA  
- Knowledge of associations of preferences and cravings for tastes and flavors with five elements, organs, meridians, status of the body growth and development, status of pregnancy, status of disorders  
- Knowledge of patterns of disharmony regarding preferences and cravings for tastes or flavors (salty, sour, sweet, pungent, bitter, etc.)  
- Ability to conduct the Asking Element of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

23. Ask about appetite and digestion (e.g., temperature, quantity and timing of meals)  
KSA  
- Knowledge of the physiology, pathology and abnormal patterns of appetite  
- Knowledge of patterns of disharmony regarding abnormal appetite  
- Knowledge of the normal process of digestion regarding the functions and cooperation of the organs
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- Knowledge of the abnormal patterns of digestion and the patterns of disharmony related to preferences of food temperature, quantity intake and timing of meals
- Ability to determine etiology/pathology by evaluating appetite and digestion
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

24. Ask about thirst, including temperature and taste preferences of beverages
KSA
- Knowledge of the normal process of water digestion and water metabolism regarding the functions and cooperation of the organs and meridians involved
- Knowledge of physiological and pathological basis of thirst, and related patterns of disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

25. Ask about abdominal bloating or distress
KSA
- Knowledge of the normal process of digestion regarding the functions and cooperation of the organs involved
- Knowledge of identifications of abdominal bloating or distress based on the locations and dysfunctions of the organs, and on causative pathogens
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

26. Ask about bowel elimination (e.g., difficulty and frequency, gassiness, constipation, diarrhea, etc.)
KSA
- Knowledge of the physiology and pathology of bowel elimination
- Knowledge of common symptoms and signs of bowel elimination, their causative factors and pathological basis, relations with patterns of disharmony
- Knowledge of the characteristic elimination patterns associated with various disharmonies
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

27. Ask about characteristics of stool
KSA
- Knowledge of the physiology and pathology of the stool formation and elimination
- Knowledge of characteristics of stool and indications of patterns of disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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28. Ask about urination (e.g., difficulty and frequency, burning sensations, etc.)
KSA
- Knowledge of physiology of urine formation and urination
- Knowledge of manifestations of pathologies of urination
- Knowledge of pathological indications regarding abnormal urination
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

29. Ask about characteristics of urine
KSA
- Knowledge of physiology of urine formation
- Knowledge of urine regarding both normal and abnormal appearances and conditions
- Knowledge of the pathological indications of abnormal urine
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

30. Ask about urogenital pain or irregularities
KSA
- Knowledge of urogenital functions and relations to organ systems
- Knowledge of common patterns of urogenital pain and irregularities
- Knowledge of pathological indications of urogenital pain or irregularities
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

31. For male patients, ask about reproductive functioning (e.g., libido and sexual activity)
KSA
- Knowledge of male reproductive system regarding the related organs, meridians, physiology and pathology
- Knowledge of manifestations of pathologies of male reproductive functions
- Knowledge of male reproductive dysfunctions related to patterns of disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

32. For female patients, ask about reproductive functioning (e.g., libido and sexual activity; onset, timing, and characteristics of menstruation; gynecological and obstetric history, including birth control methods, pregnancies, and births)
KSA
- Knowledge of female reproductive system regarding the related organs, meridians, physiology and pathology
- Knowledge of menstruation, pregnancy and obstetrics regarding the physiology, pathology,
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- Knowledge of the mechanisms and effects of commonly used birth control methods
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

33. For female patients, ask about current pregnancy status
KSA
- Knowledge of pregnancy regarding the physiology, pathology, symptoms and patterns of disharmony
- Knowledge of the effect of the different stages of pregnancy on the body
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

34. Ask about bodily sensations (e.g., heaviness, fatigue, dizziness)
KSA
- Knowledge of both the normal and abnormal bodily sensations regarding the related organs, meridians, physiology, etiology, pathology and pattern indications
- Knowledge of fatigue, dizziness, vertigo, sensation of heaviness regarding the etiology, pathology and pattern indications
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

35. Ask about breathing and chest constriction
KSA
- Knowledge of upper jiao regarding the related organs, meridians, functions, pathologies, symptoms, patterns of disharmony
- Knowledge of breathing and chest constriction regarding the organs and meridians involved, the physiological and pathological factors, and relations with patterns of disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
- Ability to determine if the nature of the condition is outside of scope of practice or if the patient is in need of immediate emergency care

36. Ask about ears and hearing
KSA
- Knowledge of associations of the ear with organs, meridians, vital materials (Qi, blood, essence, yin and yang, etc.)
- Knowledge of hearing regarding the physiology, pathology, symptoms and patterns of disharmony
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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37. Ask about tinnitus (ear ringing)
KSA
- Knowledge of patterns and pathologies that give rise to tinnitus
- Ability to identify patterns of disharmony based on manifestations of tinnitus
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

38. Ask about eyes and vision
KSA
- Knowledge of associations of the eye and vision with organs, meridians, vital substances (Qi, blood, essence, yin, yang, etc.)
- Knowledge of patterns of disharmony of the eyes and vision
- Ability to identify patterns of disharmony based on observation of eyes and vision
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

39. Ask about skin conditions
KSA
- Knowledge of association of the skin with organs, meridians, vital substances (Qi, blood, body fluid, yin, yang, etc.)
- Knowledge of patterns of disharmony that are associated with skin diseases including etiology and pathology
- Ability to identify patterns of disharmony based on manifestations of skin conditions
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

40. Ask about nose, mouth, throat, and teeth
KSA
- Knowledge of the associations of the nose, mouth, throat and teeth with organs, meridians, vital substances (Qi, blood, body fluid, yin, yang, etc.)
- Knowledge of pathological manifestations of the nose, mouth, throat and teeth and their association with patterns of disharmony
- Ability to identify patterns of disharmony based on observations of the nose, mouth and throat
- Ability to conduct the Asking Element of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

41. Observe and assess physical characteristics (movement, weight, expression/demeanor and general behavior) to determine Five Element association and quality of Qi, according to Worsley theory and practice
KSA
- Knowledge of Five Element / Worsley theory regarding physical characteristics (movement, weight, expression/demeanor and general behavior)
- Ability to identify physical characteristics to determine Five Element association and quality of Qi,
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- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

42. Observe and assess physical characteristics (movement, weight, expression/demeanor and general behavior), according to traditional Chinese medicine (TCM) theory and practice

KSA
- Knowledge of traditional Chinese medicine (TCM) theory regarding physical characteristics (movement, weight, expression/demeanor and general behavior)
- Knowledge of pathological significance of physical characteristics (movement, weight, expression/demeanor and general behavior)
- Ability to identify patterns of disharmony based on physical characteristics
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

43. Observe and assess Shen (spirit)

KSA
- Knowledge of the concept of Shen (Spirit) including terminology, functions, relations with the organs and meridians, vital substances (Qi, essence, blood, etc.)
- Knowledge of manifestations of pathologies of Shen and associated patterns of disharmony
- Ability to identify patterns of disharmony based on observations of the Shen (Spirit)
- Ability to evaluate Shen (Spirit) by observing outward manifestation
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

44. Observe and assess face

KSA
- Knowledge of associations of the face with the organs, meridians, Shen (Spirit), and other vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of color, moisture, texture, and organ-indicative locations and their associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the face
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

45. Observe and assess complexion and luster

KSA
- Knowledge of associations of the complexion and luster with the organs, meridians, Shen (Spirit), and other vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of the complexion, including color, moisture, texture, organ-indicative locations, and associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the complexion
- Ability to identify patterns of disharmony based on observations of complexion and luster
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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46. Observe and assess eyes
KSA
- Knowledge of associations of the eyes with the organs, meridians, Shen (Spirit), and vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of the eyes including color, moisture, states of movement, and their associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the eyes
- Ability to evaluate Shen of patient by observing outward manifestation
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

47. Observe and assess nose, mouth, and throat
KSA
- Knowledge of associations of the nose, mouth, and throat with the organs, meridians, and vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of nose, mouth, and throat, including associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the nose, mouth and throat
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

48. Observe and assess teeth
KSA
- Knowledge of associations of the teeth with the organs, meridians, and vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of the teeth, including associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the teeth
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

49. Observe and assess tongue (body and coating)
KSA
- Knowledge of associations of the tongue with the organs, meridians, and vital substances (Qi, blood, essence, body fluid)
- Knowledge of normal and/or abnormal manifestations and patterns of the tongue
- Knowledge of pathological manifestations of the tongue and tongue coating including color, size, moisture, texture, state of movement, organ-indicative locations, and their associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the tongue
- Ability to evaluate disharmonies that exist by evaluating tongue body and coating
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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50. Examine and assess skin
KSA
- Knowledge of associations of the skin with the organs, meridians, and vital substances (Qi, blood, essence, body fluid, Shen - spirit)
- Knowledge of normal and/or abnormal manifestations and patterns of the skin
- Knowledge of pathological manifestations of the skin and their associated patterns of disharmony
- Ability to assess and identify normal and/or abnormal conditions and changes of the skin
- Ability to distinguish stagnation or injury by observing skin/complexion
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

51. Examine and assess abdomen
KSA
- Knowledge of anatomical locations and interconnections of the organs and meridians in the abdomen
- Knowledge of symptoms and signs of the abdomen and organ-indicative locations
- Knowledge of the association of abdominal symptoms and signs with patterns of disharmony
- Ability to examine and assess the abdomen to identify the symptoms and signs
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

52. Examine and assess head, torso, and limbs
KSA
- Knowledge of associations of the head, torso and limbs with the meridians, organs, bones, muscles, sinews, skin regions of organs
- Knowledge of symptoms and signs of the head, torso and limbs concerning pain, sensation, structure, range of motion, muscles, sinews, bones
- Knowledge of the symptoms and signs of the head, torso and limbs with patterns of disharmony
- Ability to examine and assess the head, torso and limbs to identify the symptoms and signs
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

53. Examine and assess characteristics of secretions and excretions (phlegm, sputum, etc.)
KSA
- Knowledge of secretions and excretions (phlegm, sputum, saliva, etc.) regarding the origin, production, formation, pathological influence, involved organs and meridians
- Knowledge of the natures and pathological patterns of secretions and excretions (phlegm, sputum, saliva, etc.)
- Ability to examine and assess secretions and excretions to determine pathologies
- Ability to determine nature of pathologic influence by assessing secretions
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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54. Examine and assess hair, nails, and hands
KSA
- Knowledge of associations of hair, nails and hands with the organs, meridians, vital substances (Qi, blood, essence, body fluid, etc.)
- Knowledge of symptoms and signs of hair and nails (including color, moisture, texture, growth, strength, etc.)
- Knowledge of symptoms and signs of hands including color, moisture, texture, temperature, pain, mobility, strength, bone structure, etc.
- Knowledge of patterns of disharmony related to the symptoms and signs of hair, nails, and hands
- Ability to examine and assess the symptoms and signs of the hair, nails and hands
- Knowledge to assess blood quality by observing hair, nail, hands, ears, and skin
- Ability to conduct the Looking Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

55. Listen to and assess tonal qualities and strength of voice
KSA
- Knowledge of associations of the voice with the organs, meridians, and vital substances (Qi, blood, body fluid)
- Knowledge of symptoms and pathology of the tonal quality and strength of the voice
- Knowledge of patterns of disharmony regarding abnormal voice
- Ability to listen to and assess disorders of the voice
- Ability to evaluate vocal tone and strength using Five Element theory
- Ability to conduct the Listening Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

56. Listen to and assess respiratory sounds, according to Worsley practice
KSA
- Knowledge of Five Element theory and practice (including Worsley) regarding respiratory sounds
- Knowledge of patterns of pathology of the respiratory sounds according to Five Element (including Worsley) practice
- Ability to listen to and assess respiratory sounds to identify patterns of disharmony
- Ability to conduct the Listening Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

57. Listen to and assess respiratory sounds, according to traditional Chinese medicine (TCM) practice
KSA
- Knowledge of associations of the respiratory sounds with the organs, meridians, and vital substances (Qi, blood, body fluid)
- Knowledge of symptoms and pathology of respiratory sounds
- Knowledge of patterns of disharmony regarding abnormal respiratory sounds
- Ability to listen to and assess respiratory sounds to identify patterns of disharmony
- Knowledge of differentiating patterns using respiratory sounds
- Ability to conduct the Listening Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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58. Listen to and assess speech (manner, pattern, themes, contents), according to Worsley practice
   KSA
   - Knowledge of Five Element theory and practice (including Worsley) regarding the indications of the qualities, manner, pattern, themes and content of speech in relation to balance and disharmony
   - Knowledge of patterns of pathology of speech (manner, pattern, themes, contents) according to Worsley practice
   - Ability to listen to and assess speech (manner, pattern, themes, contents) to identify the patterns of balance and disharmony
   - Ability to conduct the Listening Exam of the Four Examinations
   - Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

59. Listen to and assess speech (quality, manner, pattern, themes, contents), according to traditional Chinese medicine (TCM) practice
   KSA
   - Knowledge of associations of the speech (quality, manner, pattern, themes, contents), with the organs, meridians, Shen, and vital substances (Qi, essence, blood, body fluid)
   - Knowledge of patterns of disharmony regarding abnormal speech (quality, manner, pattern, themes, contents)
   - Ability to listen to and assess speech (quality, manner, pattern, themes, contents) to identify the patterns of disharmony
   - Ability to conduct the Listening Exam of the Four Examinations
   - Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

60. Listen to and assess abdominal sounds
   KSA
   - Knowledge of associations of the abdominal sounds with the functions and dysfunctions of the organs and meridians regarding Qi movement, food digestive process, and water metabolism
   - Knowledge of patterns of disharmony regarding abnormal abdominal sounds
   - Ability to listen to and assess abdominal sounds to identify the patterns of disharmony
   - Ability to differentiate abdominal sounds to determine pathology
   - Ability to conduct the Listening Exam of the Four Examinations
   - Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

61. Listen to and assess joint sounds
   KSA
   - Knowledge of association of the joint sounds with the functions and dysfunctions of the organs, meridians, related muscles, sinews, body fluid, essence, and blood
   - Ability to assess joint sounds to identify the natures of disharmony
   - Knowledge of the joint sounds in relation to joint pathology
   - Ability to conduct the Listening Exam of the Four Examinations
   - Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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62. Smell and assess general body odor  
KSA  
- Knowledge of associations of body odors with functions and dysfunctions of the organs, meridians, water metabolism, food digestion, and external and internal pathogenic factors  
- Ability to assess general body odor to identify patterns of disharmony  
- Knowledge of the identification and association of body odors according to Five Element theory (including Worsley)  
- Knowledge of general odor in relation to pathogenic factor according to five element theory  
- Ability to conduct the Smelling Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

63. Smell and assess breath and mouth odor  
KSA  
- Knowledge of associations of breath and mouth odor with functions and dysfunctions of the organs, meridians, with Qi movement, food digestion, and with external and internal pathogenic factors  
- Ability to assess breath and mouth odors to identify patterns of disharmony  
- Ability to identify pathogenic influence by assessing odor of breath, mouth  
- Ability to conduct the Smelling Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

64. Smell and assess odor of secretions and excretions  
KSA  
- Knowledge of associations of odor of secretions and excretions with the functions and dysfunctions of the organs and meridians, with water metabolism, food digestion, and with external and internal pathogenic factors  
- Knowledge of patterns of disharmony in regard to abnormal odors of secretions and excretions  
- Ability to assess odors of secretions and excretions to identify patterns of disharmony  
- Ability to identify pathogenic influence by assessing odor of secretion/excretions  
- Ability to conduct the Smelling Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

65. Palpate radial pulses, using traditional Chinese medicine (TCM) practice  
KSA  
- Knowledge of association of radial pulses with organs, meridians, and vital substances (Qi, blood, essence, Shen, etc.)  
- Knowledge of the location of the pulses corresponding to specific organs  
- Knowledge of qualities of radial pulse (including speed, depth, strength, and shape) as indicators of patterns of disharmony and of normal and abnormal states of organ and meridian function  
- Ability to palpate and assess radial pulses correctly to identify patterns of disharmony  
- Knowledge of appropriate palpation to determine quality and location of pain/bodily sensations  
- Ability to conduct the Touching Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

66. Palpate radial pulses, using Shen/Hammer practice  
KSA  
- Knowledge of association of radial pulses with organs, meridians, and vital substances (Qi, blood, essence, Shen, etc.)  
- Knowledge of the location of the pulses corresponding to specific organs  
- Knowledge of qualities of radial pulse (including speed, depth, strength, and shape) as indicators of patterns of disharmony and of normal and abnormal states of organ and meridian function  
- Ability to palpate and assess radial pulses correctly to identify patterns of disharmony  
- Knowledge of appropriate palpation to determine quality and location of pain/bodily sensations  
- Ability to conduct the Touching Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

66. Palpate radial pulses, using Shen/Hammer practice  
KSA  
- Knowledge of association of radial pulses with organs, meridians, and vital substances (Qi, blood, essence, Shen, etc.)  
- Knowledge of the location of the pulses corresponding to specific organs  
- Knowledge of qualities of radial pulse (including speed, depth, strength, and shape) as indicators of patterns of disharmony and of normal and abnormal states of organ and meridian function  
- Ability to palpate and assess radial pulses correctly to identify patterns of disharmony  
- Knowledge of appropriate palpation to determine quality and location of pain/bodily sensations  
- Ability to conduct the Touching Exam of the Four Examinations  
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient
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KSA
- Knowledge of Shen/Hammer practice on the diagnosis of radial pulses
- Knowledge of patterns of radial pulses under normal and abnormal conditions according to Shen/Hammer practice
- Knowledge of patterns of disharmony associated with abnormal radial pulses according to Shen/Hammer practice
- Skill to practice Shen/Hammer method of pulse palpation
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

67. Palpate radial pulses, using Worsley practice **Deleted**

KSA
- Knowledge of Five element (including Worsley) practice on the diagnosis of radial pulses
- Knowledge of patterns of radial pulses under normal and abnormal conditions according to Five element (including Worsley) practice
- Knowledge of patterns of disharmony associated with abnormal radial pulses according to Five element (including Worsley) practice
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

68. Palpate radial pulses, using other non-Western practices **Deleted**

KSA
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

69. Palpate areas of tenderness on body to determine quality and location of pain or bodily sensations (e.g., numbness, sensitivity)

KSA
- Knowledge of associations of the body parts with organs, meridians, bones, vessels, muscles, sinews, skin regions, and Qi and blood supplies
- Knowledge of patterns of pathologies and patterns of disharmony indicated by pain, body sensations (e.g., numbness, tingling, sensitivity), temperature changes, or quality of tissue (e.g., hard/soft, supple/brittle)
- Ability to palpate and assess areas of the body to determine patterns of disharmony
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

70. Palpate abdomen, according to traditional Japanese practice **Keep per ABT SMEs**

KSA
- Knowledge of traditional Japanese practice of hara diagnosis
- Knowledge of the symptomatic patterns of abdomen concerning the locations and meridians/organs, deficiency and excess (kyo and jitsu), yin and yang, according to traditional Japanese practice (hara diagnosis)
- Knowledge of patterns of disharmony associated with abnormal abdomen conditions
- Ability to conduct the Touching Exam of the Four Examinations
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- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

71. Palpate abdomen, according to traditional Chinese medicine (TCM) practice
KSA
- Knowledge of the abdominal location of zones or divisions representing organs and meridians
- Knowledge of the normal condition of the abdomen
- Knowledge of symptoms and signs of the abdominal zones or divisions indicative of etiological factors (six pathogenic factors, Qi and blood stagnation, food retention, phlegm, emotions, trauma), dysfunctions of the organs and meridians, and neoplasm
- Knowledge of patterns of disharmony associated with abnormal conditions of the abdomen assessed by palpation
- Ability to palpate and assess abdomen to identify patterns of disharmony
- Knowledge of organ pathology and appropriate abdominal palpation
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

72. Palpate abdomen, according to other non-Western practices Deleted
KSA
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

73. Palpate joints and examine range of motion, to identify areas of restricted movement and assess functional integrity of joints
KSA
- Knowledge of joints regarding the functions, normal ranges of motion, and the anatomical tissues and structures of the joints
- Knowledge of associations of joints with organs, meridians, and vital substances (Qi, blood, essence, body fluid, etc.)
- Knowledge of symptoms and signs of joints regarding range of motion, swelling, temperature, tender or painful areas, relations to dysfunctions of organs, meridians and vital substances and to injury and other causative factors
- Knowledge of abnormal joint conditions related to patterns of disharmony
- Skill and ability to palpate and assess joints to identify natures of disharmony of joints
- Knowledge of the positions required to test normal range of motion for each joint
- Skill and ability to perform range of motion assessment appropriate to the patient’s condition
- Skill and ability to palpate and perform range of motion exam to assess functional integrity of joints
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

74. Palpate regional pulses (carotid, umbilical, pedal) Deleted
KSA
- Knowledge of regional pulses (carotid, umbilical, pedal) regarding the locations, normal and abnormal conditions, associations with organs, meridians and vital substances (Qi, blood, shen, etc.)
- Knowledge of abnormal regional pulses related to pathologies and patterns of disharmony
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Ability to palpate and assess regional pulses to identify patterns of disharmony
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

75. Palpate acupuncture points (e.g., channel, mu, shu, xi cleft, Ashi) to assess patient’s sensation at the points
KSA
- Knowledge of acupuncture points regarding the anatomical point locations, normal and abnormal levels of the presence of Qi and blood, and the indications of specific points regarding the related meridians and organs
- Knowledge of sensations of acupuncture points regarding etiology, pathology and indications of patterns of disharmony
- Skill and ability to palpate the points at the appropriate levels to assess the patient’s condition
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

76. Palpate acupuncture points (e.g., channel, mu, shu, xi cleft, Ashi) to determine energy characteristics of the points
KSA
- Knowledge of acupuncture points regarding the anatomical point locations, normal and abnormal levels of the presence of Qi and blood, the indications of specific points regarding related meridians and organs
- Knowledge of energy characteristics of acupuncture points regarding etiology, pathology and indications of patterns of disharmony
- Ability to distinguish qualities in the points (e.g., temperature, Qi level, empty or full (kyo or jitsu), and the different levels in appropriate points
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

77. Palpate the pathway of related meridians
KSA
- Knowledge of the anatomical locations of the pathways of meridians, related meridians and organs, normal and abnormal levels of the presence of Qi and blood
- Ability to locate and palpate the pathway of related meridians
- Knowledge of the indications of the condition of the meridians
- Ability to assess the condition of the meridians with regard to tenderness, pain and abnormal sensation (e.g., numbness, tingling, sensitivity), quality of tissue (e.g., hard/soft, supple/brittle) and temperature
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by the patient

78. Assess the flexibility of related meridians through stretching, range of motion
KSA
- Knowledge of normal range of motion of the anatomical structures associated with the meridians
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- Knowledge of positions used for assessing the flexibility of the structures associated with the meridians
- Skill and ability to apply appropriate positions to test flexibility and range of motion
- Ability to interpret the information received from stretching and range of motion
- Knowledge of the pathological significance of abnormal or limited range of motion of joints and limbs on related meridians
- Skill to manipulate the joints and limbs in specific ways to determine the flexibility of the related meridians
- Ability to analyze the significance of results of movement and flexibility testing
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by the patient

Domain 3 Analysis and Diagnosis (30%)
Differentiation of Syndromes and Formation of Diagnostic Impression

79. Perform disease diagnosis
KSA
- Knowledge of the general disease categories of Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor, Channel Patterns)
- Ability to configure the patient’s signs and symptoms into patterns
- Knowledge of Chinese medical models that contain and explain the patterns created by the signs and symptoms (e.g., Eight Principal Patterns, Wu Xing, Zang Fu)
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

80. Perform differential diagnosis
KSA
- Knowledge of the general disease categories of Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Knowledge of signs and symptoms and their associated patterns of disharmony
- Ability to identify patterns of disharmony based on analysis of signs and symptoms
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

81. Determine the primary syndrome or symptom (Zhu Zheng) and establish chief complaint(s)
KSA
- Knowledge of differences between the chief complaint(s) and Zhu Zheng
- Knowledge of contents of chief complaint(s)
- Ability to find and determine the Zhu Zheng from all complaints (including the chief complaints), symptoms, and signs
- Ability to configure the patient’s signs and symptoms into patterns
- Knowledge of Chinese medical models that contain and explain the patterns created by the signs and symptoms (e.g., Eight Principles Patterns, Wu Xing, Zang Fu)
- Skill to identify the Chinese medical model that most accurately embraces the patterns

82. Evaluate signs and symptoms relative to Eight Principles
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KSA
- Knowledge of the Eight Principles including terminology, definitions and characteristics
- Knowledge of Eight Principle pathologies including signs and symptoms and tongue and pulse manifestations
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Ability to identify Eight Principle patterns based on presenting signs and symptoms and tongue and pulse
- Ability to organize the patient’s signs and symptoms into distinct patterns
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

83. Evaluate signs and symptoms relative to Yin and Yang
KSA
- Knowledge of the principles of Yin and Yang including definitions, associations and applications
- Knowledge of Yin and Yang pathologies
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Ability to recognize and categorize symptoms according to Yin-Yang theory
- Ability to organize the patient’s signs and symptoms into distinct patterns
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

84. Evaluate signs and symptoms relative to Excess (Shi) / Deficiency (Xu)
KSA
- Knowledge of the principles of Excess and Deficiency including definitions and characteristics and physical manifestations
- Ability to recognize and categorize symptoms into Excess (Shi) / Deficiency (Xu)
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

85. Evaluate signs and symptoms relative to Five Elements (Five Phases / Wu Xing)
KSA
- Knowledge of Five Element theory including correspondences, cycles, applications to physiology and relations to organs and meridians
- Knowledge of Five Element pathologies and their manifestations
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Ability to recognize and categorize signs and symptoms according to Five Element patterns and theory
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

86. Evaluate signs and symptoms relative to Organ Theory (Zang Fu)
KSA
- Knowledge of Zang-Fu Organ Theory including terminology, physiological functions of organs, interrelationships, and correspondences with tissues, fluids, sense organs, emotions, and areas of the body
- Knowledge of Zang-Fu Organ pathologies including signs, symptoms, tongue and pulse
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- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Ability to recognize and categorize signs and symptoms according to Zang-Fu patterns and theory
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

87. Evaluate signs and symptoms relative to Essential substances (Qi, Blood/Xue, Fluids/Jinye, Essence/Jing, Spirit/Shen)
KSA
- Knowledge of the theory of Essential substances (Qi, Blood, Essence/Jing, Spirit/Shen) including definitions, physiological functions, formations, interrelationships, relationship with organs and meridians
- Knowledge of Essential substance pathologies and their manifestations
- Ability to recognize and categorize symptoms according to Essential substance patterns and theory
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

88. Evaluate signs and symptoms relative to regular and connecting (luo) channels and collaterals
KSA
- Knowledge of the regular and connecting (luo) channels and collaterals, including functions, anatomical location, distribution, and corresponding organs
- Knowledge of regular and connecting channel pathologies and their manifestations
- Ability to recognize and categorize symptoms according to patterns of the regular and connecting channels and the collaterals
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

89. Evaluate signs and symptoms relative to Extraordinary channels
KSA
- Knowledge of Extraordinary channels including functions, location, distribution, relationship to organs and regular meridians
- Knowledge of pathologies of the Extraordinary channels and their manifestations
- Ability to recognize and categorize symptoms according to Extraordinary channel patterns and theory
- Skill to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

90. Evaluate signs and symptoms relative to Divergent channels
KSA
- Knowledge of Divergent channels including functions, location, distribution, and relationships to organs and regular channels
- Knowledge of pathologies of the Divergent channels and their manifestations
- Ability to recognize and categorize symptoms according to Divergent channel patterns and theory
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- Ability to identify the disease pattern or category that most accurately encompasses and explain the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

91. Evaluate signs and symptoms relative to muscle channels
KSA
- Knowledge of muscle channels including functions, anatomical locations, distributions, related meridians
- Knowledge of muscle channel pathologies and their manifestations
- Ability to recognize and categorize symptoms of muscle channel patterns
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

92. Determine the effected Zang Fu system
KSA
- Knowledge of Zang Fu system regarding the terminologies, definitions, related body parts and mental parts, physiologies, interrelationships, patterns of pathologies with characteristics of manifestations
- Ability to configure the patient’s signs and symptoms into patterns
- Knowledge of Chinese medical models that contain and explain the patterns created by the signs and symptoms (e.g., Eight Principles Patterns, Wu Xing, Zang Fu)
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)

93. Determine the causative factor of patient’s disease pattern, according to Worsley theory and practice
KSA
- Knowledge of Worsley theory and practice on the causative factors of disease patterns
- Ability to configure the patient’s signs and symptoms into patterns
- Knowledge of Chinese medical models that contain and explain the patterns created by the signs and symptoms (e.g., Wu Xing, Zang Fu)
- Skill to identify the Chinese medical model that most accurately embraces the patterns

94. Assess pathogenic factors, according to traditional Chinese medicine (TCM) theory and practice
KSA
- Knowledge of pathogenic factors including terminologies, definitions, characteristics, manifestations, interrelationships, and effects on organs, meridians and vital substances
- Ability to recognize and categorize symptoms according to pathogenic factors
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factors, Channel Patterns, etc.)

95. Use Six Stages differentiation (Shang Hun Lun) to determine depth of penetration of pathogenic factors
KSA
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- Knowledge of the theory of Six Stages differentiation (Shang Hun Lun) including the terminologies, definitions, relations of six stages with meridians and organs, and interrelationships of the stages
- Knowledge of Six Stage pathologies with characteristics of manifestations
- Ability to recognize and categorize patient symptoms according to Six Stage patterns and theory
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factors, Channel Patterns, etc.)

96. Use San Jiao (Triple Heaters) differentiation Task Added by SMEs on June 7, 2008 Conference Call
KSA
- Knowledge of the theory of San Jiao (Triple Heaters) differentiation including the terminologies, definitions, relations of triple heaters with meridians and organs, and interrelationships of manifestations
- Knowledge of three heater pathologies with characteristics of manifestations
- Ability to determine depth of penetration of pathogenic factors and natures of disharmony
- Ability to recognize and categorize patient symptoms according to San Jiao differentiation
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factors, Channel Patterns, etc.)

97. Use the Four Levels (Wei, Qi, Ying, Xue) to determine depth and severity of disease
KSA
- Knowledge of the theory of the Four Levels (Wei, Qi, Ying, Xue) differentiation regarding the terminologies, definitions, relations of four levels with meridians and organs, interrelationships of the levels
- Knowledge of Four Level pathologies with characteristics of manifestations
- Ability to recognize and categorize patient symptoms according to Four Level differentiation
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms
- Knowledge of the general disease categories with Chinese Medicine (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factors, Channel Patterns, etc.)

98. Use traditional Japanese diagnostic methods Deleted
KSA
- Knowledge of Japanese diagnostic methods
- Ability to configure the patient’s signs and symptoms into patterns

99. Determine the mechanism of disorders (Bing Ji)
KSA
- Knowledge of the theories of the mechanism of disorders (Bing Ji) including the basic pathologic mechanism (Yin and Yang, Evil Qi and Genuine Qi, Qi and Blood, and Body Fluid), the pathological mechanism of exogenous febrile diseases (Six Meridians, Wei-Qi-Ying-Xue, Triple Heaters), the pathological mechanism of the five endogenous evils, and the pathological mechanism of the Zang-Fu organs
- Ability to configure the patient’s signs and symptoms into patterns
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- Knowledge of Chinese medical models that contain and explain the patterns created by the signs and symptoms (e.g., Eight-Principles Patterns, Wu Xing, Zang Fu)
- Skill to identify the Chinese medical model that most accurately embraces the patterns

100. Use traditional Korean diagnostic methods
KSA
- Knowledge of traditional Korean diagnostic methods
- Ability to configure the patient’s signs and symptoms into patterns

101. Use Worsley diagnostic methods
KSA
- Knowledge of Worsley diagnostic methods
- Ability to configure the patient’s signs and symptoms into patterns

102. Use additional non-Western methods
KSA
- Ability to configure the patient’s signs and symptoms into patterns

Domain 4 Treatment Principle (20%)

103. Formulate treatment principle
KSA
- Knowledge of treatment principles generally suitable for each diagnosis
- Understand the effects of various modalities of the Five Branches of Oriental Medicine on someone with this particular patient’s constitution
- Understand the progression of disease of this patient to begin to formulate patient education instruction

104. Use Eight Principles in formulating a treatment principle
KSA
- Knowledge of Eight Principles regarding the definitions, manifestations, pathologies, relations to organs and meridians, principles and strategies of treatment
- Ability to make diagnosis and to determine the treatment principle and strategy based on Eight Principles
- Knowledge of when to use which therapeutic approach
- Knowledge of the relative effectiveness of each modality of the Five Branches for accomplishing the therapeutic effect
- Knowledge of the contraindications of various modalities

105. Use Five Elements (Five Phases / Wu Xing) in formulating a treatment principle according to Worsley theory
KSA
- Knowledge of Worsley theory of Five Elements (Five Phases / Wu Xing) in formulating the treatment principle
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106. Use Five Elements (Five Phases / Wu Xing) in formulating a treatment principle according to traditional Chinese medicine (TCM) theory
KSA
- Knowledge of TCM theory of Five Elements in formulating the treatment

107. Evaluate patient’s constitutional strength/weakness in formulating a treatment principle
KSA
- Knowledge of the treatment principle in correspondence to individuality
- Knowledge of TCM theory of human constitutions regarding yin-yang, five elements, strength/weakness
- Knowledge of impacts of the human constitutional strength/weakness on diseases and treatment
- Knowledge of the role of the extraordinary vessels in constitutional strength/weakness

108. Use Root and Branch theory in formulating a treatment principle
KSA
- Knowledge of the principle of treating root and branch (primary and secondary) regarding the definitions, indications, characteristics of the interrelationships
- Ability to identify and treat the root and branch conditions
- Ability to distinguish between root symptoms and branch symptoms
- Knowledge of Root Branch theory relative to treatment strategies

109. Use seasonal/environmental factors in formulating a treatment principle
KSA
- Knowledge of the treatment principle in correspondence to seasonal/environmental factors
- Knowledge of impacts of seasonal and environmental factors on the body, diseases and treatment
- Knowledge of the relevance of seasonal and environmental factors

110. Use time of day or circadian rhythms in formulating a treatment principle CHANGE TO: Evaluate signs and symptoms relative to circadian rhythms/body clock and/or time of day AND MOVE UNDER ASSESSMENT DOMAIN
KSA
- Knowledge of associations of the time of day and the circadian rhythms with the dominance and weakness of the organs, meridians and acupuncture points as they affect the circulation of Qi and blood, and the balance of yin and yang
- Knowledge of impacts of the time of day and the circadian rhythms on the body, diseases and treatment

111. Use Ba Gua in formulating a treatment principle Deleted
KSA
- Knowledge of the Ba Gua
- Ability to use the Ba Gua in formulating a treatment principle

112. Use Balance system (Richard Tan) in formulating a treatment principle Deleted
KSA
- Knowledge of Balance System (Richard Tan)
- Ability to use the Balance System (Richard Tan) in formulating a treatment principle
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113. Use Master Tong system in formulating a treatment principle
KSA
- Knowledge of Master Tong system
- Ability to use Master Tong system in formulating a treatment principle

114. Use Van Ng / Tran system in formulating a treatment principle
KSA
- Knowledge of Van Ng / Tran system
- Ability to use Van Ng / Tran system in formulating a treatment principle

115. Use Jeffery Yuen teachings in formulating a treatment principle
KSA
- Knowledge of the Five Channel system within the three levels to determine primary treatment approach for individual patient
- Knowledge of Jeffrey Yuen teachings
- Ability to use Jeffrey Yuen teachings in formulating a treatment principle

116. Use other non-Western systems or styles in formulating a treatment principle (PLEASE LIST)
KSA
- Knowledge of other non-Western systems
- Ability to use other non-Western systems in formulating a treatment principle

117. Select an emotional/spiritual focus in formulating a treatment principle
KSA
- Ability to incorporate patient treatment goals with diagnostic results to form treatment principle
- Knowledge of emotional/spiritual correlations with physical manifestations

118. Incorporate impact of patient’s use of medications and supplements in formulating a treatment principle
KSA
- Incorporate impact of patient’s use of medications and supplements in formulating a treatment principle
- Knowledge of drug, drug-herb, and drug-food interactions
- Knowledge of impact of patients’ age (for example, neonates, geriatrics) in evaluating drug and no-drug therapy
- Ability to determine how medication and supplement use may impact patient’s treatment compliance
- Ability to determine how medication and supplement use may impact patient’s response to treatment

119. Incorporate impact of patient’s substance use, including smoking, alcohol, and recreational drugs, in formulating a treatment principle
KSA
- Knowledge of the physiological effects of smoking, alcohol and substance abuse
- Knowledge of the challenges and strategies of treatment for substance abuse
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of the effect of alcohol, tobacco and recreational drugs on the body according to Chinese medical principles
- Ability to determine how substance use may impact patient’s treatment compliance
- Ability to determine how substance use may impact patient’s response to treatment

120. Incorporate patient’s mental and/or emotional factors and significant life events, in formulating a treatment principle
KSA
- Knowledge of emotional/spiritual correlations with physical manifestations
- Ability to determine how mental/emotional factors may impact patient’s treatment compliance
- Ability to determine how mental/emotional factors may impact patient’s response to treatment

121. Incorporate patient’s living circumstances, and family, social or other support systems, in formulating a treatment principle
KSA
- Knowledge of information to be obtained from patient’s representative (for example demographic information, allergies, etc.)
- Ability to determine how living circumstances and support systems (or lack thereof) may impact patient’s treatment compliance
- Ability to determine how living circumstances and support systems (or lack thereof) may impact patient’s response to treatment

Domain 5 Evaluation/Adjustment of Treatment and Record-Keeping (10%)

122. Assess and record changes in signs and symptoms
KSA
- Knowledge of signs and symptoms of disease states
- Knowledge of common and severe side or adverse effects, allergies and therapeutic contraindications associated with medications
- Knowledge of the healing process
- Ability to convey to the patient any important changes in health status
- Ability to recognize positive and negative changes after treatment, and to document them

123. Evaluate and record results of treatment, and revise treatment plan as indicated
KSA
- Ability to make appropriate modifications to treatment plan based upon variations in patient’s progress
- Knowledge of the healing process
- Ability to assess changes in signs and symptoms
- Ability to recognize positive and negative changes after treatment, and to document them

124. Refer patient to other Oriental medicine practitioner, as indicated
KSA
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
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- Skill and ability to communicate appropriately and effectively with other Oriental medicine practitioners
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

125. Refer patient to Western medicine practitioner, as indicated
KSA
- Knowledge of practice site policies and procedures for referrals to other health care providers
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

126. Refer patient to chiropractic practitioner, as indicated
KSA
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
- Ability to recognize positive and negative changes after treatment, and to document them
- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

127. Refer patient to other body therapies, as indicated
KSA
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
- Ability to recognize positive and negative changes after treatment, and to document them
- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

128. Refer patient to mental health or social services, as indicated
KSA
- Ability to assess patient’s mental status within scope of practice
- Knowledge of signs and symptoms of stress, anxiety and depression
- Knowledge of practice site policies and procedures for referrals to other health care providers
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
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- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

129. Refer patient to substance use treatment, as indicated
KSA
- Knowledge of signs and symptoms of substance abuse
- Ability to assess patient’s physical signs of substance abuse
- Skill and ability to encourage patient to seek medical treatment
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

130. Refer patient to other adjunctive therapies (e.g., yoga, meditation, etc.) as indicated
KSA
- Knowledge of proper procedures for professional referral (such as elements of communication and follow-up)
- Skill and ability to communicate appropriately and effectively with health care professionals in other fields
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of the medical and social institutions relevant to the patient’s condition
- Knowledge of specific practitioners and institutions relevant to the patient’s condition and how to contact them

131. Keep a written medical record for each patient
KSA
- Ability to keep appropriate records when charting
- Ability to recognize positive and negative changes after treatment, and to document them
- Knowledge of HIPAA policies and patient privacy rights
- Knowledge of how long to legally keep medical records and how to properly dispose of

132. Record progress notes for each patient
KSA
- Ability to accurately assess and clearly document patient’s medical condition and progress
- Ability to record detailed progress notes after each medical encounter
- Ability to recognize positive and negative changes after treatment, and to document them

Domain 6 Patient Education (10%)
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133. Provide pre-treatment orientation
KSA
- Knowledge of appropriate food intake pre-treatment
- Knowledge of the information needed by the patient for effective participation in treatment
- Ability to communicate information at the patient’s level of understanding and concern

134. Provide written follow-up instructions and/or handouts
KSA
- Knowledge of the information relevant to the patient’s condition
- Ability to produce material appropriate to the patient’s condition and level of understanding

135. Explain Oriental medicine theory, as appropriate
KSA
- Knowledge of theories of Chinese medicine
- Ability to communicate appropriate information for the patient's level of understanding and experience

136. Explain the healing process and how it may affect treatment
KSA
- Ability to summarize the healing process in terms of the patient’s condition
- Knowledge of the healing process for the patient’s condition
- Ability to assess the progress of the patient’s condition
- Knowledge of the changes to be expected in the healing process and how to evaluate them
- Ability to communicate information appropriate to the patient’s condition and level of understanding and experience

137. Describe how body mechanics and ergonomics affect the flow of Qi
KSA
- Knowledge of how body mechanics and ergonomics affect the flow of Qi
- Ability to communicate appropriate information for the patient’s level of understanding and experience

138. Recommend lifestyle changes to restore or promote health
KSA
- Knowledge of the effects of lifestyle on the patient’s condition
- Ability to communicate appropriate information for the patient’s level of understanding and experience

139. Make dietary recommendations according to Oriental medicine dietary principles
KSA
- Knowledge of Oriental medicine dietary principles
- Ability to communicate information appropriate to the patient’s condition and level of understanding

140. Make dietary recommendations according to Western medicine dietary principles
KSA
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- Knowledge of Western scientific dietary principles
- Ability to communicate information appropriate to the patient’s condition and level of understanding

141. Make dietary recommendations according to other dietary principles  Deleted KSA
- Knowledge of other dietary principles
- Ability to communicate information appropriate to the patient’s condition and level of understanding

142. Recommend topical preparations (e.g., liniments, oils, salves, plasters)  KSA
- Knowledge of the indications, contra-indications and applications of topical preparations
- Knowledge of the indications for liniments, oils, salves, and/or plasters and their contraindications
- Ability to choose appropriate external preparations for the patient’s condition

143. Instruct in Qi Gong and/or Tai Ji (Tai Chi) techniques  KSA
- Knowledge of self-treatment methods, including Qi Gong and/or Tai Ji
- Ability to instruct the patient in Qi Gong and/or Tai Ji appropriate to their condition

144. Instruct in stretching, movement, or exercise techniques  KSA
- Knowledge of stretching, movement and exercise principles
- Knowledge of exercises appropriate to the patient’s condition
- Ability to instruct the patient in exercises appropriate to their condition
- Knowledge of stretching principles and techniques appropriate to the patient’s condition
- Ability to demonstrate and facilitate stretching principles and techniques appropriate to the patient’s condition

145. Instruct in breathing techniques  KSA
- Knowledge of breathing techniques
- Ability to demonstrate and facilitate breathing techniques appropriate to the patient’s condition

146. Instruct in relaxation or meditation techniques  KSA
- Knowledge of relaxation or meditation techniques
- Ability to demonstrate and facilitate relaxation or meditation techniques appropriate to the patient’s condition

147. Instruct in self-acupressure techniques  KSA
- Knowledge of acupressure points and techniques of self-acupressure
- Ability to demonstrate self-acupressure techniques appropriate to the patient’s condition

148. Instruct in self-massage techniques  KSA
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Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

- Knowledge of self-massage techniques
- Ability to demonstrate self-massage techniques appropriate to the patient’s condition

149. Instruct in self-moxa techniques  **Deleted**
    KSA
    - Ability to summarize the use and precautions of moxibustion
    - Knowledge of self-moxa techniques
    - Ability to demonstrate self-moxa techniques appropriate to the patient’s condition

150. Instruct in other self-help techniques (PLEASE LIST)
    KSA
    - Knowledge of self-help techniques
    - Ability to demonstrate self-help techniques appropriate to the patient’s condition
Appendix I:
Tasks Elements Included and Excluded: Acupuncture, Biomedicine, Chinese Herbology, Foundations of Oriental Medicine and Asian Bodywork Therapy

Asian Bodywork Therapy

DOMAIN 1 APPLY TREATMENT

1. Perform Asian Bodywork Therapy  Task Deleted
   KSAs
   - Knowledge of the physiology, function, and anatomical location of channels, acu-points, organs and tissues
   - Knowledge of the function and clinical indications of acu-points
   - Ability to find, palpate and manipulate acu-points
   - Knowledge of treatment principles and clinical indications for using ABT techniques
   - Knowledge of ABT techniques to sedate, tonify Qi, and move Qi
   - Knowledge of relevant assessment and techniques
   - Ability to distinguish excess, deficiency, and stagnation at the points and in the channels
   - Knowledge of the contraindications for ABT treatment

2. Perform Shiatsu  Task Deleted
   KSAs
   - Knowledge of treatment principles and clinical indications for using Shiatsu
   - Knowledge of the physiology, function, and anatomical location of channels, acu-points, organs and tissues
   - Knowledge of the function and clinical indications of acu-points
   - Ability to find, palpate and manipulate acu-points
   - Ability to stretch meridians according to treatment
   - Knowledge of treatment principles and clinical indications for using Shiatsu techniques
   - Knowledge of Shiatsu techniques to sedate, tonify Qi, and move Qi

3. Perform Shiatsu Anma Therapy  Task Deleted
   KSAs
   - Knowledge of the physiology, function, and anatomical location of channels, organs and tissues
   - Knowledge of the function and clinical indications of points
   - Knowledge of treatment principles and clinical indications for using Shiatsu Anma techniques
   - Knowledge of Shiatsu Anma techniques to sedate, tonify and/or regulate Qi, Blood, Yin, Yang or Pathogenic Factors
   - Knowledge of Japanese Hara assessment and techniques
   - Ability to distinguish excess, deficiency, and stagnation in the channels
   - Ability to conduct an intake using the Four Pillars of Examination
   - Ability to formulate an assessment and treatment goals based on an intake
   - Ability to select points and channels to achieve stated treatment goals
   - Ability to plan and implement a full body treatment
   - Ability to select and apply appropriate techniques to achieve stated treatment goals
   - Skill in application and performance of chosen techniques

4. Perform Integrative Eclectic Shiatsu  Task Deleted
   KSAs
   - Knowledge of TCM theory (e.g., Yin and Yang, Five Phases, Five Transformations, Eight Principles and Six Divisions)
   - Knowledge and application of the Four Examinations
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- Ability to integrate western anatomy, physiology and, in some measure, bodywork principles and techniques into the specific technique
- Ability to organize assessment information, including physical, emotional, mental and spiritual aspects, in creating a holistic profile that provides the basis for active participation of the client in the treatment strategy

5. Perform Five Element Shiatsu  **Task Deleted**
   KSAs
   - Knowledge of TCM theory (e.g., Yin and Yang, Five Phases, Eight Principles and Six Divisions)
   - Knowledge and experienced in using the radial pulse as an assessment tool
   - Knowledge on the impact of lifestyle including dietary, emotional, psychological and other behavioral considerations as it impacts the client’s complaints and health related goals
   - Knowledge in determining the underlying patterns which define the client’s treatment strategy

6. Perform Macrobiotic Shiatsu  **Task Deleted**
   KSAs
   - Knowledge of TCM theory (e.g., Yin and Yang, Five Phases, Eight Principles and Six Divisions) and its application to Macrobiotic Shiatsu theory and technique
   - Knowledge of the effects on the body and health conditions of all varieties of food from a macrobiotic perspective
   - Specifically skilled in the use of feet as well as hands in treatment
   - Ability to perform direct abdominal (hara) palpation
   - Knowledge of internal organ locations and ability to interpret normal and abnormal conditions discovered through assessment
   - Knowledge in understanding client lifestyle choices with respect to diet, exercise, breathing, sleep, and relationships and the ability to make appropriate suggestions for homework (such as dietary change, exercise, emotional and behavioral considerations, etc.) to create more health promoting conditions in these areas.

7. Perform Zen Shiatsu  **Task Deleted**
   KSAs
   - Knowledge of TCM theory (e.g., Yin and Yang, Five Phases, Eight Principles and Six Divisions) and its application to Zen Shiatsu theory and technique
   - Knowledge of the location of the extended meridians as developed and outlined by Shizuto Masunaga
   - Knowledge of the theory of kyo-jitsu and its physical and psychological manifestations
   - Knowledge of Hara palpation and assessment, including location of all the meridian areas on the hara; the one-hand, two-hand or alternate hand technique for palpatation the meridians on the hara; Palpation and recognition of the qualities of kyo and jitsu; and the kyo-jitsu reaction
   - Knowledge of treatment strategy

8. Perform Tuina  **Task Deleted**
   KSAs
   - Knowledge of treatment principles and clinical indications for using Tuina
   - Knowledge of the physiology, function, and anatomical location of channels, organs and tissues
   - Knowledge of the function and clinical indications of points
   - Knowledge of techniques to sedate, tonify Qi, and move Qi
   - Knowledge of Tongue and or pulse assessment and techniques
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- Knowledge of the use of external liniments
- Ability to distinguish excess, deficiency, and stagnation in the channels
- Ability to make changes in the Qi

9. Perform Danzan Ryu  **Task Deleted**

KSAs

10. Perform Jin Shou™ Tuina  **Task Deleted**

KSAs
- Knowledge of TCM theory (yin and yang; five elements; zang fu organs; Qi, blood and body fluid; eight principles; six divisions; the four pillars of diagnosis as well as the etiology and pathology of disease)
- Ability to demonstrate and use examples from the comprehensive system of hand techniques that comprise Jin Shou™ Tuina
- Knowledge of the use of appropriate and efficient method for diagnosis and treatment

11. Perform Amma  **Task Deleted**

KSAs
- Knowledge of treatment principles and clinical indications for using Amma
- Knowledge of the physiology, function, and anatomical location of channels, acu-points, organs and tissues
- Knowledge of TCM pathologies and patterns of disharmony in order to treat
- Knowledge of tongue and pulse diagnosis
- Ability to accurately assess the tongue, pulse and other signs and symptoms to create a treatment plan
- Knowledge of the use of external liniments and applications
- Skill of applying such topical applications
- Knowledge of the function and clinical indications of acu-points
- Skill in using proper angle to find, palpate and manipulate acu-points
- Ability to use proper angle to find, palpate and manipulate acu-points
- Knowledge of treatment principles and clinical indications for using Amma techniques
- Skill in the application of Amma Therapy techniques to sedate, tonify Qi, and move Qi
- Knowledge of Amma techniques to sedate, tonify Qi, and move Qi
- Ability to distinguish excess, deficiency, and stagnation at the points and in the channels
- Knowledge of contraindications for treatment

12. Perform AMMA Therapy®  **Task Deleted**

KSAs
- Knowledge of treatment principles and clinical indications for using Amma Therapy
- Knowledge of the physiology, function, and anatomical location of channels, acu-points, organs and tissues
- Knowledge of TCM pathologies and patterns of disharmony in order to treat
- Knowledge of tongue and pulse diagnosis
- Ability to accurately assess the tongue, pulse and other signs and symptoms to create a treatment plan
- Knowledge of the use of external liniments and applications
- Skill of applying such topical applications
- Knowledge of the function and clinical indications of acu-points
- Skill in using proper angle to find, palpate and manipulate acu-points
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- Knowledge of treatment principles and clinical indications for using Amma Therapy techniques
- Skill in the application of Amma Therapy techniques to sedate, tonify Qi, and move Qi
- Ability to distinguish excess, deficiency, and stagnation at the points and in the channels
- Knowledge of contraindications for treatment

13. Perform Acupressure  Task Deleted
KSAs
- Knowledge of the physiology, function, and anatomical location of organs and tissues
- Knowledge of the function and clinical indications of points
- Knowledge of the classification and nomenclature of acu-points
- Knowledge of treatment principles and clinical indications for using Acupressure
- Knowledge of the association between points and internal Organs and channels
- Ability to assess an individual condition, create a focused treatment plan and create an Acupressure sequence of point combinations and meridians
- Knowledge of Acupoint energetics and acupoint combinations
- Knowledge of the Four Examinations
- Thorough knowledge of Jing-luo theory
- Strong theoretical basis in TCM theory

14. Perform Jin Shin Do®  Task Deleted
KSAs
- Knowledge of radial pulse reading principles
- Knowledge of the principles of effective local/distal point combinations
- Ability to choose appropriate local/distal point combinations appropriate to the client’s condition
- Skill in applying the angle and pressure appropriate to the client’s condition
- Knowledge of the principles of emotional armoring, including segmental theory and how it affects the flow of Qi and blood
- Knowledge of Strange Flows (Extraordinary Vessels) and their associations
- Knowledge of the emotional/spiritual associations of channels, points and segments
- Knowledge of Five Element Theory, including breeding (Shen) and control (Ko) cycles
- Knowledge of the Emotional Kaleidoscope (Interrelationships of the Emotions associated with the Five Elements)
- Knowledge of basic breathing and visualization techniques to assist the client in working with their own Qi
- Knowledge of basic counseling principles including active listening and body focusing
- Skill in choosing and applying appropriate counseling, visualization and breathing techniques to assist the client in directing the Qi
- Knowledge of the indications of physical and psychological/emotional problems outside the JSD scope of practice

15. Perform Jin Shin Jyutsu  Task Deleted
KSAs
- Knowledge of treatment principles and clinical indications for using Jin Shin Jyutsu

16. Perform Thai Bodywork (Naud Bo' Rarn)
KSAs
- Knowledge of treatment principles and clinical indications for using Thai massage
- Knowledge of the anatomy and physiology of the musculoskeletal system
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17. Perform Chi Nei Tsang  **Task Deleted**  
KSAs

18. Perform Medical Qigong  **Task Deleted**  
KSAs
- Knowledge of treatment principles and clinical indications for using Qi Gong

19. Perform another form of Asian Bodywork  **Task Deleted**  
KSAs

20. Apply pressure to acu-points  
KSAs
- Knowledge of western musculoskeletal anatomy
- Knowledge of anatomical location of acu-points
- Ability to find points using anatomical locations, traditional finger measurements and by sensing Qi at the point
- Knowledge of proper body mechanics and body positioning involved in applying pressure to acu-points (relative to the style of ABT being used)
- Knowledge of correct hand/finger placement involved in applying pressure to acu-points
- Skill at applying the pressure appropriate to the point and the client’s condition
- Knowledge of points at endangerment sites and precautions to take when applying pressure to them
- Contraindicated acu-points relative to client’s disease or condition

21. Apply oscillating/vibrational techniques  
KSAs
- Knowledge of clinical indications of oscillation/vibrational techniques
- Knowledge of finger, hand, wrist, and arm movements involved in the correct application of oscillating/vibrational techniques (relative to the style of ABT being used)
- Skill in performing the physical movements of oscillation/vibrational techniques
- Knowledge of proper body mechanics and body positioning involved in the application of oscillating/vibrational techniques
- Ability to decide when it is appropriate to employ oscillating/vibrational techniques
- Skill to adapt application of oscillation/vibrational techniques based client condition, client feedback or proprioceptive awareness

22. Use grasping/compressing of meridians and points  
KSAs
- Knowledge of the Meridians pathways and their flows
- Knowledge of the anatomical locations and functions of acu-points
- Knowledge of clinical indications of grasping/compressing techniques
- Knowledge of finger/hand/arm movements involved in the application of grasping/compressing techniques
- Knowledge of proper body mechanics and body positioning involved in the application of grasping/compressing techniques
- Ability to decide when it is appropriate to use grasping/compressing techniques
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- Skill to perform the correct finger/wrist/hand/arm movements of grasping/compressing techniques
- Skill to adapt application of grasping/compressing techniques based on client condition, client feedback or proprioceptive awareness

23. Use light stroking methods along the channels
KSAs
- Knowledge of anatomical locations of meridians pathways and their flow
- Knowledge of clinical indications and intent of light stroking methods
- Knowledge of finger/hand/arm movements involved in the application of light stroking methods
- Knowledge of proper body mechanics and body positioning involved in the application of light stroking methods
- Ability to decide when it is appropriate to use light stroking methods
- Skill in performing finger/hand/arm movements of light stroking methods
- Skill to adapt application of light stroking methods based on client condition, client feedback and proprioceptive awareness

24. Use chafing/vigorous stroking along the channels
KSAs
- Knowledge of anatomical locations of meridians and their flow
- Knowledge of clinical indications and intent of chafing and vigorous stroking methods
- Knowledge of finger/hand/arm movements involved in the application chafing/vigorous stroking methods
- Knowledge of proper body mechanics and body positioning involved in the application of chafing/vigorous stroking methods
- Ability to decide when it is appropriate to use chafing/vigorous stroking methods
- Skill in performing finger/hand/arm movements of chafing/vigorous stroking methods
- Skill to adapt application of chafing/vigorous stroking methods based on client condition, client feedback and proprioceptive awareness

25. Use rhythmical striking/percussion
KSAs
- Knowledge of clinical indications and intent of rhythmical striking/percussion methods
- Knowledge of finger/hand/arm movements involved in the application rhythmical striking/percussion methods
- Knowledge of proper body mechanics and body positioning involved in the application of rhythmical striking/percussion methods
- Ability to decide when it is appropriate to use rhythmical striking/percussion methods
- Skill in performing finger/hand/arm movements of rhythmical striking/percussion methods
- Skill to adapt application of rhythmical striking/percussion methods based on client condition, client feedback or proprioceptive awareness

26. Apply finger pressure with pumping movement to stimulate acu-points
KSAs
- Knowledge of location of points and their function and indications
- Knowledge of how to gauge pressure
- Ability to use proper angle to find, palpate and manipulate acu-points
- Ability to control hand, fingers, and arm movements
- Proprioceptive awareness and skill to utilize different parts of the hand independently
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- Knowledge of clinical indication and/or intent of this technique
- Skill at applying the degree of pumping movement appropriate to the client’s condition
- Knowledge of the anatomical location of acu-points
- Knowledge of the indications for stimulation of specific points

27. Move compression along a channel
KSAs
- Knowledge of meridians and their flow
- Knowledge of how to gauge pressure
- Knowledge of clinical indication and/or intent of this technique
- Knowledge of the indications for compression
- Knowledge of the anatomical location of the channels
- Skill at applying the degree of pressure appropriate to the client’s condition
- Knowledge of endangerment areas

28. Use plucking techniques
KSAs
- Knowledge of points and their function
- Knowledge of the tendino/muscular meridians
- Knowledge of assessment of stagnation
- Knowledge of the indications for plucking
- Skill at applying pressure appropriate to the client’s condition
- Knowledge of endangerment areas

29. Use circling pressure with palm, thumb, or finger
KSAs
- Knowledge of how to gauge pressure
- Ability to control hand, fingers, and arm movements
- Proprioceptive awareness and skill to utilize different parts of the hand independently
- Knowledge of clinical indication and/or intent of this technique
- Knowledge of the indications for circling pressure
- Skill at applying pressure appropriate to the client’s condition
- Knowledge of endangerment areas

30. Apply perpendicular pressure techniques on the meridians
KSAs
- Knowledge of body mechanics
- Knowledge of the meridians and their flow
- Knowledge of how to gauge pressure
- Ability to control hand, fingers, and arm movements
- Proprioceptive awareness and skill to utilize different parts of the hand independently
- Knowledge of clinical indication and/or intent of this technique
- Skill at applying pressure appropriate to the client’s condition
- Knowledge of the anatomical locations of the meridians
- Knowledge of endangerment areas

31. Apply rhythmic pressure on the meridians
KSAs
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- Knowledge of the location and flow of meridians
- Knowledge of body mechanics
- Ability to control hand, fingers, and arm movements
- Proprioceptive awareness and skill to utilize different parts of the hand independently
- Knowledge of clinical indication and/or intent of this technique
- Knowledge of the indications for rhythmic pressure
- Skill at applying pressure appropriate to the client’s condition
- Knowledge of the anatomical locations of the meridians
- Knowledge of endangerment areas

32. Hold appropriate Local and Distal point combinations to address the client's condition
KSAs
- Knowledge of location of points and their function and indications
- Knowledge of clinical indication and/or intent of this technique
- Knowledge of body mechanics
- Ability to distinguish Local and Distal points
- Knowledge of the principles for point combining
- Knowledge of the anatomical locations of the acu-points
- Skill at honing point location according to the sensation of Qi
- Ability to choose Local and Distal points appropriate to the client’s condition

33. Hold, stretch, compress or palpate along meridians to address the client's condition
KSAs
- Knowledge of the meridians and their associations
- Knowledge of techniques and their appropriateness for certain conditions
- Knowledge of body mechanics
- Ability to control hand, fingers, and arm movements
- Proprioceptive awareness and skill to utilize different parts of the hand independently
- Knowledge of possible clinical indication(s) and/or intent of these techniques
- Knowledge of the indications for stretching, compression and palpation along meridians
- Skill at applying pressure appropriate to the client’s condition
- Knowledge of the anatomical locations of the meridians

34. Perform passive or active joint movement
KSAs
- Knowledge of anatomical structure and physiology of the joints.
- Ability to assess imbalance (e.g., stagnation of Qi and blood)
- Knowledge of the contraindications against moving the joints (e.g., inflammation, injury, etc.)
- Ability to assess the appropriateness of applying joint movement to the client’s condition.
- Knowledge of appropriate body mechanics for the practitioner and client.
- Ability to control hand, fingers, and arm movements.
- Skill in proprioceptive awareness and the use of the hands
- Knowledge of possible clinical indication(s) for and/or expected outcome of these techniques
- Knowledge of the normal range of motion of each joint addressed.
- Skill at applying the appropriate movement and rhythm for the client
- Knowledge of the effects of pathology on joint movement

35. Use cupping
KSAs
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- Knowledge of the clinical indications for using cupping
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with the patient/client about cupping and what to expect
- Knowledge of the necessity of obtaining informed consent

36. Perform guasha
KSAs
- Knowledge of the clinical indications for using guasha
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with the patient/client about guasha and what to expect
- Knowledge of the necessity of obtaining informed consent

37. Apply external Chinese herbal preparations i.e., liniments, salves, oils, and/or plasters
KSAs
- Knowledge of the energetic qualities and effects of said external preparations
- Knowledge of treatment principles and action of herbal preparations used
- Knowledge of the clinical indications for use and expected outcome of using an herbal preparation
- Ability to communicate with the patient/client about external preparation including possible contraindications (e.g. known allergic reactions).
- Knowledge of the necessity of obtaining informed consent
- Knowledge of possible cautions or contraindications of external preparations
- Knowledge of the indications for external preparations

38. Apply direct Moxibustion  
**Task Deleted**
KSAs
- Knowledge of the clinical indications for using direct moxibustion
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with the patient/client about direct moxibustion, what to expect (e.g., possible pain/scarring), and possible contraindications.
- Knowledge of the necessity of obtaining informed consent
- Knowledge of possible caution or contraindications of direct moxibustion
- Skill at safely applying moxa to the acu-points

39. Use indirect Moxibustion
KSAs
- Knowledge of the clinical indications for using indirect moxibustion
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with the patient/client about indirect moxibustion, what to expect and possible contraindications
- Knowledge of the necessity obtaining informed consent
- Knowledge of possible cautions or contraindications of indirect moxibustion

40. Use traditional healing sounds during treatment  
**Task Deleted**
KSAs
- Knowledge of the healing sounds that correspond to the different Organs and meridian systems
- Knowledge of assessing symptoms of imbalance
- Knowledge of expected outcome of technique
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- Ability to reproduce the healing sounds.
- Ability to instruct the client in the formation of the healing sounds

41. Application of Heat/Cold (e.g., TDP lamp, hydrocollator pack, ice pack, heat pad)
KSAs
- Knowledge of the clinical indications for Heat and Cold techniques
- Ability to distinguish the need for heat and cold
- Knowledge of best practices, risks, cleanliness and safety precautions
- Knowledge of possible cautions or contraindications of the use of heat or cold
- Ability to communicate with patient/client what to expect
- Skill in communicating to the patient/client when the patient should give feedback regarding discomfort of heat or cold

42. Apply auricular acupressure with ear seeds/beads or pellets  Task Deleted
KSAs
- Knowledge of the anatomical location of auricular points and their clinical uses
- Skill or ability to properly find and manipulate auricular points
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with patient/client about post treatment removal of seeds
- Knowledge of the auricular acu-point locations and their associations
- Ability to correctly apply seeds/beads or pellets

43. Apply essential oils on acu-points  Task Deleted
KSAs
- Knowledge of the anatomical location of points and their clinical uses
- Knowledge of essential oils and their properties
- Knowledge of possible caution or contraindications of the use of essential oils
- Ability to choose essential oils and points appropriate to the client’s condition

44. Apply magnets (aka body pellets) to acu-points  Task Deleted
KSAs
- Knowledge of anatomical location of points and their function and indications
- Ability to communicate with patient/client about post treatment removal of magnets/pellets
- Knowledge of the intent or purpose in applying magnets/body pellets
- Ability to choose appropriate points for placement of magnets

45. Use tuning forks on acu-points  Task Deleted
KSAs
- Knowledge of the clinical indications for using tuning forks
- Knowledge of best practices, risks, cleanliness and safety precautions
- Knowledge of the sounds/tones and their correspondence with the organs and meridians
- Knowledge of the indications for the use of tuning forks on acu-points
- Ability to choose appropriate tuning forks and points for the client’s condition

46. Use electrostimulation on acu-points  Task Deleted
KSAs
- Knowledge of the clinical indications for using electrostimulation
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- Knowledge of best practices, risks, cleanliness and safety precautions
- Knowledge of the anatomical location of points and their clinical uses
- Knowledge of the indications and contraindications for the use of electrostimulation
- Ability to choose points for electrostimulation appropriate to the client’s condition

47. Use guided imagery/visualization and/or breathing as part of the treatment
KSAs
- Knowledge of the internal and external channel pathways
- Knowledge of breathing / visualization techniques that assist the flow of Qi during treatment
- Knowledge of guided imagery/visualization and/or breathing techniques
- Ability to choose appropriate guided imagery/visualization and/or breathing techniques for the client’s condition
- Ability to guide the client in appropriate techniques
Appendix J: Expanded Content Outlines

The Acupuncture with Point Location Expanded Content Outline

The following content outline will become effective January 1, 2010. Below is the Expanded Content Outline for the Acupuncture with Point Location examination, which includes the Knowledge, Skills and Abilities (KSA) statements.

Domain A: Develop a Comprehensive Treatment Plan Using Acupuncture Points Based Upon Patient’s Identified Syndrome and Pattern Discrimination (40% of total exam of which 20% are point location images)

Sub Domain A1: Develop treatment plan

- Knowledge of prescriptions based on treatment principles to correct imbalances
- Knowledge of functions, indications and contraindications of treatment modality (e.g., acupuncture, moxa, Qigong, etc.)
- Ability to prescribe treatment principles to correct imbalances
- Ability to recall appropriate treatment principle to correct imbalance
- Ability to develop a treatment strategy
- Skills to recognize treatment principles to correct imbalances

A 1 (a): Six Stages theory (e.g., Taiyang, Yangming, Shaoyang, Taiyin, Shaoyin, Jueyin)

- Knowledge of treatment planning utilizing Six Stages theory
- Knowledge of Six Stages theory
- Knowledge of procedures, methods, concepts, contraindications for Six Stages theory
- Ability to administer treatment using Six Stages
- Skills to administer treatment using Six Stages

A 1 (b): Four Levels (Wei, Qi, Ying, Xue)

- Knowledge of treatment planning utilizing Four Levels theory
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- Knowledge of Four Levels theory
- Knowledge of procedures, methods, concepts, contraindications for Four Levels theory
- Ability to administer treatment using Four Levels
- Skills to administer treatment using Four Levels

A 1 (c): Five Phase/Element points

- Knowledge of Five Phase/Element points
- Knowledge of theories and methods for Five Phase/Element points
- Ability to administer Five Phase/Element points
- Skills to administer Five Phase/Element points

A 1 (d): Antique points (Jing Well, Ying Spring, Shu Stream, Jing River, He Sea)

- Knowledge of Antique points
- Knowledge of theories and methods of Antique points
- Ability to administer Antique points
- Skills to administer Antique points

A 1 (e): Root and Branch

- Knowledge of Root and Branch technique to treat the patient’s condition
- Knowledge of Root and Branch
- Knowledge of Root and Branch theories and concepts
- Ability to administer Root and Branch
- Skills to administer Root and Branch

A 1 (f): Zang Fu

- Knowledge of the Zang Fu model to treat the patient’s condition
- Knowledge of Zang Fu
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- Ability to apply the Zang Fu model to a patient’s condition
- Skills to correctly treat a patient with the Zang Fu model

**A 1 (g): Yin and Yang**

- Knowledge of Yin and Yang model to treat the patient’s condition
- Knowledge of Yin and Yang techniques and concepts
- Ability to apply the Yin and Yang model to a patient’s condition
- Skills to correctly treat a patient with the Yin and Yang model

**A 1 (h): Qi, Blood, Body Fluids and Essence**

- Knowledge of Qi, Blood, Body Fluids and Essence models to treat the patient’s condition
- Knowledge of Qi model
- Knowledge of Blood model
- Knowledge of Body Fluids model
- Knowledge of Essence model
- Knowledge of Qi, Blood, Body Fluids and Essence model techniques and theories
- Ability to apply the Qi, Blood, Body Fluids and Essence model to a patient’s condition
- Skills to administer Qi, Blood, Body Fluids and Essence model for patient treatment

**A 1 (i): Meridians and collaterals including divergent meridians (Jing Luo)**

- Knowledge of Jing Luo
- Knowledge of Jing Luo concepts and theories
- Knowledge of meridians and collaterals (Jing Luo) model to treat the patient’s condition
- Ability to apply the Jing Luo model to a patient’s condition
- Skills to correctly treat a patient with the Jing Luo model
Appendix J: Expanded Content Outlines

A 1 (j): Extraordinary meridian

- Knowledge of the Eight Extraordinary meridians
- Knowledge of the Eight Extraordinary meridians concepts and theories
- Knowledge of Qigong concepts and theories
- Knowledge of Yuan Qi concepts and theories
- Ability to apply the proper points for patient’s condition
- Ability to apply Extraordinary meridians in pairs/combinations
- Skills to administer the Jing for patient’s condition

Sub Domain A2: Point selection

A 2 (a): Distal/local, adjacent points

- Select distal/local, adjacent points to address channel imbalance
- Knowledge of distal/local, adjacent points and affected channels
- Knowledge of channels
- Ability to recall distal/local, adjacent points and affected channels
- Ability to identify channel imbalances
- Skills to identify channel imbalances

A 2 (b): Based on TCM muscular channel theory

- Knowledge of points based on the muscular channel theory
- Knowledge of concept and purpose for choosing acupuncture points based on the muscular channel theory
- Ability to select/recognize acupuncture points based on the muscular channel theory
- Skills to administer acupuncture points based on muscular channel theory

A 2 (c): Points along corresponding channels to affected cutaneous regions
Appendix J: Expanded Content Outlines

- Knowledge of the cutaneous regions
- Knowledge of acupuncture/points along the cutaneous regions
- Ability to recognize points along corresponding channels to affect cutaneous regions
- Ability to understand concepts, methods and results of choosing points of the cutaneous regions
- Ability to identify points to affect the cutaneous regions
- Skills to identify points along corresponding channels to affect cutaneous regions

A 2 (d): Front-Mu (Alarm) points, Back-Shu (Associated) points, and their combination(s)

- Knowledge of functions of Front-Mu (Alarm), Back-Shu (Associated) points and their combination
- Knowledge of imbalances of an excess or deficient nature
- Knowledge Front-Mu (Alarm), Back-Shu (Associated) points and their combination to affect systemic imbalances
- Ability to recall Front-Mu (Alarm), Back-Shu (Associated) points and their combination
- Ability to recognize Front-Mu (Alarm), Back-Shu (Associated) points and their combination; ability to affect imbalances of an excess or deficient nature
- Skills to identify Front-Mu (Alarm), Back-Shu (Associated) points and their combination to address systemic imbalances
- Skills to administer Front-Mu (Alarm), Back-Shu (Associated) points and their combination for imbalances

A 2 (e): Lower He-Sea (Uniting) points

- Knowledge of Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
Appendix J: Expanded Content Outlines

- Knowledge of Fu organs and their functions
- Knowledge of He-Sea (Uniting) acupuncture points
- Ability to recognize Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
- Ability to identify Lower He-Sea (Uniting) points to connect channel with respective Fu Organ
- Skills to identify Lower He-Sea (Uniting) points to connect channel with respective Fu Organ

A 2 (f): Four-Needle technique points

- Knowledge of Four-Needle technique acupuncture points
- Knowledge of Four-Needle technique and how it affects imbalances
- Ability to recognize Four-Needle technique points to address imbalances
- Ability to recall Four-Needle technique acupuncture points
- Skills to identify/perform Four-Needle technique points to address imbalances

A 2 (g): Eight Influential points

- Knowledge of the Eight Influential points to affect related anatomical areas and types of tissues
- Knowledge of the Eight Influential points
- Knowledge of anatomical areas and types of tissues
- Ability to recognize the Eight Influential points as being able to affect related anatomical areas and types of tissues
- Skills to identify the Eight Influential points to affect related anatomical areas and types of tissues
- Skills to recall Eight Influential points to affect related anatomical areas and types of tissues

A 2 (h): Four Sea points
Appendix J: Expanded Content Outlines

- Knowledge of the Four Seas points
- Knowledge of Qi, Blood, Food and Marrow
- Knowledge of the Four Seas points to affect corresponding Qi, Blood, Food and Marrow
- Ability to recognize and recall the Four Seas points to affect corresponding Qi, Blood, Food and Marrow
- Skills to identify the Four Seas points to affect corresponding Qi, Blood, Food and Marrow

A 2 (i): Based upon causative factor

- Knowledge of points to treat causative factor(s) according to TCM
- Knowledge of causative factors according to TCM
- Ability to recognize points to treat causative factor(s) according to TCM
- Skills to identify points to treat causative factor(s) according to TCM

A 2 (j): Five Shu (Transporting) points according to TCM

- Knowledge of the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM
- Knowledge of the Five Elements according to TCM
- Knowledge of Five Shu (Transporting) points according to TCM
- Ability to recognize the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM
- Skills to identify the Five Shu (Transporting) points to treat imbalances of the Five Elements according to TCM

A 2 (k): 5 Luo-Connecting points, Yuan-Source (Primary) points, and their combinations

- Knowledge of Luo-Connecting points that access divergent channels to strengthen internally-externally related channels
Appendix J: Expanded Content Outlines

- Knowledge of Yuan-Source (Primary) points to access fundamental Qi for the channel
- Knowledge of Luo-Connecting acupuncture points
- Knowledge of Yuan-Source (Primary) acupuncture points
- Knowledge of the divergent channels
- Knowledge of Fundamental Qi
- Ability to recall Luo-Connecting acupuncture points
- Ability to recognize Yuan-Source (Primary) acupuncture points to access fundamental Qi of the channel
- Ability to recognize Luo-Connecting points as being able to access divergent channels to strengthen internally-externally related channels
- Ability to recall Yuan-Source (Primary) acupuncture points
- Skills to identify Luo-Connecting points that access divergent channels to strengthen internally-externally related channels
- Skills to identify Yuan-Source (Primary) acupuncture points to access fundamental Qi for the channel

A 2 (l): Xi-Cleft points

- Knowledge of Xi-Cleft points and indications
- Knowledge of choosing correct Xi-Cleft points
- Ability to recognize Xi-Cleft points
- Skills to identify and locate Xi-Cleft points

A 2 (m): Entry and Exit points according to 12 Channel theory

- Knowledge of Entry and Exit points according to 12 Channel theory
- Knowledge of the 12 Channel theories
- Knowledge of Entry and Exit acupuncture points
- Ability to recognize acupuncture Entry and Exit points according to 12 Channel theory
- Ability to recall acupuncture points to clear Entry and Exit points according to 12 Channel theory
- Skills to identify Entry and Exit points according to 12 Channel theory
Appendix J: Expanded Content Outlines

A 2 (n): Window of the Sky

- Knowledge of Window of the Sky theory
- Knowledge of appropriate points according to Window of the Sky theory
- Knowledge of acupuncture points associated with Window of the Sky theory
- Ability to recall acupuncture points according to Window of the Sky theory
- Skills to identify acupuncture points for Window of the Sky

A 2 (o): Extra points

- Knowledge of Extra points
- Knowledge of clinically appropriate Extra points to treat corresponding conditions
- Ability to recognize clinically appropriate Extra points to treat corresponding conditions
- Skills to identify clinically appropriate Extra points to treat corresponding conditions
- Skills to administer Extra points

A 2 (p): Auricular points

- Knowledge of auricular acupuncture points (e.g., auricular landmarks, locations, functions, and indications of auricular acupuncture points)
- Knowledge of the indications of auricular points
- Ability to recognize auricular points
- Ability to recall auricular acupuncture points to address imbalances
- Skills to identify auricular points

A 2 (q): Scalp points
Appendix J: Expanded Content Outlines

- Knowledge of scalp acupuncture system (e.g., scalp landmarks, proportions, locations, functions, indications and contraindications of scalp acupuncture points)
- Ability to recall scalp acupuncture points to address imbalances
- Skills to identify scalp points

**A 2 (r): Coalescent points**

- Knowledge of coalescent points
- Knowledge of the indications and contraindications of coalescent acupuncture points
- Ability to recall coalescent points to address imbalances
- Skills to identify coalescent points

**A 2 (s): Crossing points**

- Knowledge of crossing points (e.g., intersection of two or more meridians, including the twelve regular meridians and the eight extra meridians)
- Knowledge of the indications and contraindications of crossing points
- Knowledge of location and distribution of crossing points
- Ability to recall crossing points to address imbalances
- Ability to identify diseases treated with crossing points
- Skills to identify crossing points

**A 2 (t): Fourteen meridians**

- Knowledge of fourteen meridians theories and contraindications
- Ability to recall fourteen meridians to address imbalances
- Skills to identify fourteen meridians

**A 2 (u): Confluent points**

- Knowledge of confluent points
Appendix J: Expanded Content Outlines

- Knowledge of confluent points theories and contraindications
- Skills to identify confluent points
- Skills to apply confluent points for patient’s condition
- Ability to recognize (e.g., locate) confluent points
- Ability to recall confluent points to address imbalances

A 2 (v): Command points

- Knowledge of command points
- Knowledge of command points theories and contraindications
- Skills to identify command points
- Ability to recognize (e.g., locate) command points
- Ability to recall command points to address imbalances (hot, cold, excess, deficiency)

Sub Domain A3: Treatment strategy using acupuncture, cupping and moxibustion

- Knowledge of functions and indications of acupuncture, cupping, moxibustion techniques
- Knowledge of techniques, cautions and contraindications of acupuncture, cupping, moxibustion
- Knowledge of different types of acupuncture, cupping, moxibustion
- Knowledge of treatment strategies utilizing acupuncture, cupping, moxibustion
- Ability to apply treatment strategies utilizing acupuncture, cupping, moxibustion
- Skills to identify treatment strategies utilizing acupuncture, cupping, moxibustion

Sub Domain A4: Needle selection (e.g., filiform, three-edges, plum-blossom, press and intradermal needles)

- Knowledge of acupuncture needles
Appendix J: Expanded Content Outlines

- Knowledge of acupuncture needle use
- Knowledge of acupuncture needle applications, precautions
- Ability to utilize appropriate acupuncture needles
- Skills to administer appropriate acupuncture needles

Sub Domain A5: Identification of correct point location

- Knowledge of acupuncture points
- Knowledge of acupuncture point location theories and concepts
- Knowledge to identify correct point location
- Ability to identify correct point location
- Skills to identify correct point location

Sub Domain A6: Point location (images only)

Domain B: Treatment Techniques and Mode of Administration (20% of total exam)

Sub Domain B1: Patient position

- Knowledge of correct positioning of the patient
- Knowledge of positioning techniques and concepts
- Ability to correctly position the patient
- Skills to decide and execute correct positioning of patient

Sub Domain B2: Needle insertion

- Knowledge of needle insertions with appropriate angle and depth
- Knowledge of safety rules and regulations concerning needle insertion
- Ability to insert needles to the appropriate angle and depth
- Skills to insert needles at correct angle and depth
Appendix J: Expanded Content Outlines

B 2 (a): Angle

B 2 (b): Depth

B 2 (c): Needle insertion technique

Sub Domain B3: Achieve arrival of Qi by:

B 3 (a): Lifting and thrusting

- Knowledge of arrival of Qi
- Knowledge of lifting and thrusting
- Knowledge to achieve arrival of Qi by lifting and thrusting
- Knowledge of concepts and theories concerning lifting and thrusting
- Ability to achieve arrival of Qi by lifting and thrusting
- Skills to manipulate needle with lifting and thrusting to elicit the arrival of Qi

B 3 (b): Twirling or rotating

- Knowledge of arrival of Qi
- Knowledge to achieve arrival of Qi by twirling and rotating
- Knowledge of twirling or rotating
- Ability to achieve arrival of Qi by twirling or rotating
- Skills to administer arrival of Qi by twirling or rotating

B 3 (c): Plucking

- Knowledge of arrival of Qi
- Knowledge to achieve arrival of Qi by plucking
Appendix J: Expanded Content Outlines

- Knowledge of plucking
- Ability to achieve arrival of Qi by plucking
- Skills to administer arrival of Qi by plucking
- Skills to manipulate needle using plucking to elicit arrival of Qi

**B 3 (d): Scraping**

- Knowledge of arrival of Qi
- Knowledge to achieve arrival of Qi by scraping
- Ability to administer arrival of Qi by scraping
- Skills to administer arrival of Qi by scraping

**B 3 (e): Shaking**

- Knowledge of arrival of Qi
- Knowledge to achieve arrival of Qi by shaking
- Ability to administer arrival of Qi by shaking
- Skills to administer arrival of Qi by shaking

**B 3 (f): Trembling**

- Knowledge of arrival of Qi
- Knowledge to achieve arrival of Qi by trembling
- Ability to administer arrival of Qi by trembling
- Skills to administer arrival of Qi by trembling

**Sub Domain B4: Reinforcing and reducing techniques by:**

**B 4 (a): Lifting and thrusting**

- Knowledge of theories, purpose and techniques of lifting and thrusting
- Knowledge to apply reinforcing and reducing techniques by lifting and thrusting
Appendix J: Expanded Content Outlines

- Ability to administer techniques by lifting and thrusting
- Skills to administer techniques by lifting and thrusting

B 4 (b): Twirling or rotating

- Knowledge of theory, purpose and technique of rotating or twirling
- Knowledge to apply reinforcing and reducing techniques by rotating or twirling
- Ability to administer correct techniques using rotating or twirling
- Skills to administer correct techniques using rotating or twirling

B 4 (c): Rapid and slow insertion and withdrawal of needle

- Knowledge of theory, purpose and technique of rapid and slow insertion and withdrawal of needle
- Knowledge to apply reinforcing and reducing techniques by rapid and slow inserting and withdrawal of needles
- Ability to administer correct techniques using rapid and slow inserting and withdrawal of needles
- Skills to administer correct techniques using rapid and slow inserting and withdrawal of needles
- Skills to manipulate the needle to reduce or reinforce using rapid and slow inserting and withdrawal of needles

B 4 (d): Keeping acupuncture hole open

- Knowledge to apply reinforcing and reducing techniques by keeping the acupuncture hole open or closed
- Ability to administer correct techniques by keeping the acupuncture hole open or closed
- Ability to reinforce or reduce using the technique of keeping the acupuncture hole open or closed
Appendix J: Expanded Content Outlines

- Skills to manipulate the needle to reduce or reinforce by keeping the acupuncture hole open or closed
- Skills to apply correct techniques keeping the acupuncture hole open or closed

B 4 (e): Means of respiration

- Knowledge of theories, purpose and techniques of reinforcing and reducing by means of respiration
- Knowledge to apply reinforcing and reducing techniques by means of respiration
- Ability to apply correct technique via respiration
- Ability to reinforce or reduce using the technique of respiration
- Skills to manipulate needle to reduce or reinforce by respiration
- Skills to apply correct technique via respiration

B 4 (f): Setting the Mountain on Fire

- Knowledge of purpose, theory, contraindications of Setting the Mountain on Fire
- Knowledge to apply reinforcing technique of Setting the Mountain on Fire
- Ability to administer Setting the Mountain on Fire
- Ability to reinforce using the technique of Setting the Mountain on Fire
- Skills to administer Setting the Mountain on Fire
- Skills to manipulate the needle to reinforce by Setting the Mountain on Fire

B 4 (g): Penetrating Heaven coolness

- Knowledge of techniques, purpose, cautions, contraindications of Penetrating Heaven Coolness
- Knowledge to apply reducing technique of Penetrating Heaven Coolness
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- Ability to reduce using the technique of Penetrating Heaven Coolness
- Ability to administer Penetrating Heaven Coolness
- Skills to administer Penetrating Heaven Coolness
- Skills to manipulate the needle to reduce by Penetrating Heaven Coolness

**Sub Domain B5: Precautions based upon anatomy**

- Knowledge of human anatomy
- Knowledge of acupuncture treatment technique, concepts
- Knowledge to consider anatomy to determine depth, precautions, and contraindications
- Ability to apply knowledge of human anatomy to safely administer acupuncture treatment techniques
- Skills to apply knowledge of human anatomy to safely administer acupuncture treatment techniques

**Sub Domain B6: Removal of needles**

- Knowledge of safe and correct removal of acupuncture needle(s)
- Ability to remove needles with correct techniques
- Skills to remove needles with correct techniques

**Domain C: Use of Modalities or Agents (25% of total exam)**

**Sub Domain C1: Cupping**

- Knowledge of theories and purpose of cupping
- Knowledge to treat patient using cupping
- Knowledge of techniques, cautions and contraindications of cupping
- Ability to administer cupping
- Skills to administer cupping

**Sub Domain C2: Guasha**
Appendix J: Expanded Content Outlines

- Knowledge of theories and purposes of Guasha techniques
- Knowledge of different types of Guasha devices and their purposes
- Knowledge of techniques, cautions and contraindications of Guasha
- Knowledge to treat patient using Guasha
- Ability to apply Guasha treatment
- Skills to administer Guasha techniques

Sub Domain C3: Bleeding

- Knowledge of theories and purposes of bleeding techniques
- Knowledge of different types of bleeding devices and their purposes
- Knowledge of techniques, cautions and contraindications of bleeding techniques
- Ability to administer bleeding techniques for patient treatment
- Skills to provide appropriate bleeding procedure for patient treatment

Sub Domain C4: Intradermal needles

- Knowledge of theories and purposes of intradermal needles
- Knowledge of techniques, cautions and contraindications of intradermal needles
- Knowledge of different types of intradermal needles
- Knowledge to treat patient using intradermal needles
- Ability to administer intradermal needles
- Skills to administer intradermal needles

Sub Domain C5: Ear balls, seeds, pellets, ear tack

- Knowledge of theories and purposes of ear balls/seeds/pellets/ear tack
- Knowledge of the ear balls/seeds/pellets/ear tacks procedure, technique and safety procedures
- Ability to administer ear balls/seeds/pellets/ear tacks
- Skills to administer ear balls/seeds/pellets/ear tacks
Appendix J: Expanded Content Outlines

Sub Domain C6: Electro acupuncture

Sub Domain C7: Electricity

C 7 (a): Micro current

- Knowledge of theories and purposes of micro current
- Knowledge of techniques, cautions and contraindications of micro current
- Knowledge of applying electricity using micro current
- Knowledge to treat the patient by applying electricity using micro current
- Ability to administer micro current
- Skills to administer micro current

C 7 (b): Auricular micro system points

- Knowledge of auricular micro system point
- Knowledge to treat patient by applying electricity using auricular micro system points

C 7 (c): TENS

- Knowledge of theories and purposes of TENS
- Knowledge of techniques, cautions and contraindications of TENS
- Knowledge of applying electricity using TENS procedure, technique and safety procedures
- Knowledge of different types of TENS
- Knowledge to treat the patient using TENS
- Ability to administer TENS
- Skills to administer TENS

Sub Domain C8: Moxibustion
Appendix J: Expanded Content Outlines

C 8 (a): Direct moxibustion (e.g., thread moxibustion)

- Knowledge of theories and purposes of moxibustion using direct moxa
- Knowledge of techniques, cautions and contraindications of direct moxa
- Knowledge to apply moxibustion using direct moxa
- Ability to administer direct moxa
- Skills to administer direct moxa

C 8 (b): Indirect moxibustion (stick or pole moxa)

- Knowledge of theories and purposes of indirect moxibustion using stick or pole moxa
- Knowledge of techniques, cautions and contraindications of indirect moxibustion using stick or pole moxa
- Knowledge to apply moxibustion using indirect moxibustion using stick or pole moxa
- Ability to administer indirect moxibustion using stick or pole moxa
- Skills to administer indirect moxibustion using stick or pole moxa

C 8 (c): Moxa on medium (e.g., garlic, ginger)

- Knowledge of theories and purposes of indirect moxibustion using a medium
- Knowledge of techniques, cautions and contraindications of indirect moxibustion using a medium
- Knowledge to apply moxibustion using indirect moxibustion using a medium
- Ability to administer indirect moxibustion using a medium
- Skills to administer indirect moxibustion using a medium

C 8 (d): Moxa on needle handle
Appendix J: Expanded Content Outlines

- Knowledge of techniques, cautions and contraindications by applying moxibustion on needle handle
- Knowledge to use moxibustion on needle handle
- Knowledge to apply moxibustion on the needle handle
- Ability to administer moxibustion on the needle handle
- Skills to administer moxibustion on the needle handle

**C 8 (e): Moxa box/can**

- Knowledge of theories and purpose of using moxa box/can
- Knowledge of techniques, cautions and contraindications of using moxa box/can
- Ability to use moxa box/can
- Skills to use moxa box/can

**C 8 (f): Navel moxa**

- Knowledge of using moxa on the navel
- Knowledge of techniques, cautions and contraindications by using moxa on the navel
- Ability to use moxa on the navel
- Skills to use moxa on the navel

**C 8 (g): Stick-on moxa**

- Knowledge of theories and purpose of stick-on moxa
- Knowledge of techniques, cautions and contraindications of stick-on moxa
- Ability to administer stick-on moxa
- Skills to administer stick-on moxa

**C 8 (h): Smokeless moxa**

- Knowledge of theories and purpose of using smokeless moxa
Appendix J: Expanded Content Outlines

- Knowledge of techniques, cautions and contraindications of using smokeless moxa
- Knowledge to use smokeless moxa
- Ability to administer smokeless moxa

**Sub Domain C9: Physical agents**

- Knowledge to administer physical agents such as heat for patient condition
- Knowledge of heat as a physical agent
- Knowledge of techniques, cautions and contraindications by applying using heat as a physical agent
- Knowledge of theories and purpose of using heat as a physical agent
- Skills to administer physical agents such as heat
- Ability to administer physical agents such as heat

**C 9 (a): Heat**

**C 9 (b): TDP/infrared heat lamp**

**C 9 (c): Cold**

**Sub Domain C10: Precautions related to treatment modalities (e.g., intradermal needles, moxibustion, electricity, guasha, bleeding, cupping, 7 Star Hammer)**

- Knowledge of techniques for each modality
- Knowledge of precautions and contraindications related to treatment with each modality
- Ability to administer correct treatment with each modality
- Skills to administer correct treatment with each modality
Appendix J: Expanded Content Outlines

**Sub Domain C11:** State regulation(s) and law(s) for use of different modalities for acupuncture

- Knowledge of the different acupuncture modalities
- Knowledge of state regulations and laws for use of different acupuncture modalities
- Ability to recall the state regulations and laws for use of different acupuncture modalities
- Skills to administer acupuncture modalities according to state regulations and laws

**Domain D:** Assess Treatment Outcomes and Modify Treatment (15% of total exam)

**Sub Domain D1:** Treatment evaluation

**D 1 (a):** Assess effectiveness of treatment by re-examining patient

- Knowledge to evaluate treatment
- Knowledge to assess the effectiveness of treatment by re-examining the patient
- Ability to assess the effectiveness of treatment by re-examining the patient
- Skills to assess the effectiveness of treatment by re-examining the patient

**D 1 (b):** Assess clinical lab work and physical examination

- Knowledge to provide physical exam
- Knowledge to review patient’s progress by using physical exam (e.g., orthopedic, etc.)
- Knowledge to evaluate patient progress
- Ability to evaluate patient progress via physical examination
- Skills to evaluate patient progress via physical examination
Appendix J: Expanded Content Outlines

- Knowledge of clinical lab work for patients
- Knowledge to review progress of patient using clinical lab work for assessment of signs and symptoms
- Skills to analyze clinical lab work
- Skills to assess patient signs and symptoms
- Knowledge of patient history, medical history
- Ability to report patient progress
- Skills to report patient progress

**D 1 (c): Appropriately continue, discontinue, modify treatment, or refer to another healthcare provider**

- Knowledge of patient’s history
- Knowledge to evaluate the results of treatment by comparing the patient’s condition with prior assessment(s) in order to continue, modify or terminate treatment
- Ability to evaluate treatment and assess whether to continue, modify, or terminate treatment
- Skills to evaluate treatment and decide on further course of action
- Knowledge to assess outcome in order to modify treatment strategy
- Knowledge to analyze patient’s outcome in order to modify treatment
- Knowledge of different treatment strategies
- Ability to analyze outcome in order to modify treatment
- Skills to administer different treatment strategies based on patient’s results

**D 1 (d): Point selection modification**

- Knowledge of acupuncture points
- Knowledge to modify choice of points
- Ability to modify choice of points
- Skills to modify choice of points
Appendix J: Expanded Content Outlines

D 1 (e): Treatment strategy modification

- Knowledge of treatment strategy
- Knowledge of modifications of treatment strategy
- Ability to modify treatment strategies
- Skill to modify treatment strategies

D 1 (f): Modality and manipulation modification

- Knowledge of modalities and manipulation techniques, cautions and contraindications
- Knowledge to modify modalities and manipulation techniques
- Ability to modify modalities and manipulation techniques
- Skills to modify modalities and manipulation techniques

Sub Domain D2: Ensure clean needle technique

- Knowledge of clean needle theories, techniques, safety rules and procedures
- Knowledge to ensure clean needle technique
- Ability to administer clean needle techniques
- Skills to administer clean needle techniques

Sub Domain D3: Management of acupuncture related emergencies (fainting, shock, bleeding, broken needles, stuck needles, diabetic issues, burns, etc.)

- Knowledge of emergency situations
- Knowledge of needle techniques and safety rules/guidelines
- Knowledge to manage acupuncture related emergencies
- Ability to manage acupuncture related emergencies
- Skills to manage acupuncture related emergencies
Appendix J: Expanded Content Outlines

The Biomedicine Expanded Content Outline

(Effective January 1, 2010)

Note to Candidate: This document serves as a guide to assist in examination preparation for candidates who have met NCCAOM eligibility requirements. Below is the Expanded Content Outline for the Biomedicine examination, along with the Knowledge, Skills and Abilities (KSA) statements.

Domain A: Western Medical Assessment (55% of total exam)

Sub Domain A1: History-taking (5%)

- Skill and ability to conduct a medical interview
- Knowledge of relevance of history

A 1 (a): Identifying information

- Knowledge of information required in a medical file
- Ability to obtain required identifying information (e.g., name, address, age, marital status, etc.)

A 1 (b): Chief complaint and present illness

- Knowledge of risk factors
- Ability to obtain information regarding chief complaint (e.g., onset, frequency, severity, duration, functional changes, aggravation and amelioration of symptoms, and response to treatment)
- Ability to obtain information on current medications (prescription and non-prescription)
- Ability to obtain information on herbs and supplements
Appendix J: Expanded Content Outlines

- Ability to utilize patient self-report of medications and supplements to expand on medical history
- Ability to obtain information on allergy and intolerance (e.g., medications, supplements, food, environmental factors, type of reaction)

A 1 (c): Past medical history

- Knowledge of risk factors
- Ability to obtain information regarding past medical history (e.g., previous surgeries, past medical treatments), including risk factors

A 1 (d): Family history

- Knowledge of risk factors (e.g., genetics, familial, etc.)
- Ability to obtain pertinent information of immediate family

A 1 (e): Personal and social history

- Knowledge of risk factors
- Ability to obtain pertinent information regarding personal and social history, including risk factors
- Ability to obtain information on other treatments (e.g., naturopathic, chiropractic, bodywork, yoga, meditation, acupuncture, physical and occupational therapy, etc.)
- Ability to obtain information on occupational and socio-economic history (e.g., cultural, environmental factors)
- Ability to obtain information regarding past and present lifestyle (e.g., exercise, diet, stress, sexually transmitted diseases (STDs), etc.)
- Ability to obtain information regarding the use of tobacco, alcohol, and recreational drugs
- Ability to make appropriate recommendations/referrals regarding lifestyle

A 1 (f): System review
Appendix J: Expanded Content Outlines

- Knowledge of system review
- Ability to obtain information relating to system review (e.g., ear, nose, and throat (ENT), respiratory, gastrointestinal, self exams, etc.)

Sub Domain A2: Physical assessment, pathology and diagnostics (35%)

- Knowledge of what constitutes a physical exam
- Skill in performing a physical exam
- Ability to differentiate abnormal findings from normal findings
- Ability to make appropriate referral

A 2 (a): Vital signs, weight, and nutritional status

- Knowledge of normal and abnormal blood pressure readings, pulses, temperature and respiration rates
- Skill and ability to obtain vital signs
- Ability to differentiate normal and abnormal values and make referral when necessary
- Ability to determine abnormal weight (obesity and anorexia)
- Knowledge of morbidity associated with abnormal weight (e.g., cardiology, dermatology, endocrinology (diabetes), reproduction, gastrointestinal, neurology, oncology, psychiatry, orthopedics, urology)
- Skills and ability to address and/or refer complications due to weight

A 2 (b): Organ assessment and system pathology

- Knowledge of anatomy and physiology
- Knowledge of terminology associated with common pathologies
- Knowledge of normal and abnormal structures and functions of the respiratory, cardiovascular, urogenital, reproductive, nervous, integumentary, and musculoskeletal systems
- Ability to recognize abnormalities in the above systems (e.g., diarrhea, nausea, bleeding, vomiting)
Appendix J: Expanded Content Outlines

A 2 (c): Orthopedic evaluation

- Knowledge of normal and abnormal structure and function of musculoskeletal system
- Knowledge of the causes of motor dysfunction (e.g., ligament injury, muscle or joint dysfunction)

A 2 (c) (1): Measurement of strength

- Knowledge of muscle grading scale
- Ability to assess muscle strength

A 2 (c) (2): Reproduction of pain or other signs that reproduces symptoms

- Knowledge of pain patterns (sharp stabbing, dull aching, etc.)
- Ability to discriminate pain patterns (referred pain, local pain)
- Ability to palpate painful structures for patterns of tenderness
- Ability to assess intensity of pain (e.g., visual analog scale, numerical scale)

A 2 (c) (3): Trigger and motor points

- Knowledge of the theory of trigger and motor points

A 2 (c) (4): Assessment of range of motion

- Knowledge of range of motion associated with each joint
- Ability to recognize normal range of motion and comprehend the implications of an abnormal range of motion

A 2 (d): Neurological evaluation
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- Knowledge of central and peripheral nervous system (e.g., brain, autonomic, spinal cord, peripheral nerves)
- Ability to distinguish upper from lower motor neuron lesions (e.g., increase or decrease reflexes; flaccid or rigid muscles)
- Knowledge of normal and abnormal neurological functions (e.g., motor, sensory, cognitive functions; reflexes, balance and coordination) and when to make appropriate referrals
- Ability to perform a reflex assessment
- Ability to recognize gross changes in cognitive function (e.g., confusion, disorientation)
- Ability to recognize alterations in balance and coordination
- Ability to recognize altered sensory functions (e.g., light touch and pin-prick sensation)
- Ability to recognize altered motor function (e.g., muscle weakness)

A 2 (e): Diagnostic testing

A 2 (e) (1): Imaging studies
- Knowledge of commonly used medical imaging studies (e.g., x-ray, MRI, CT, PET, colonoscopy, cystoscopy, bronchoscopy, etc.)
- Ability to read and understand the impression section of medical imaging reports
- Ability to understand the relevance of imaging findings to the patient’s medical condition

A 2 (e) (2): *Laboratory studies
- Knowledge of commonly used medical laboratory studies (complete blood count, basic metabolic panel, urinalysis, liver panel, cardiac panel, thyroid panel, pregnancy test)
Appendix J: Expanded Content Outlines

*average (reference) ranges will not be tested
- Ability to understand the relevance of laboratory findings to the patient’s medical condition
- Understand the terminology associated with abnormal laboratory values (e.g., anemia, thrombocytopenia, neutropenia, leukocytosis, etc.)

Sub Domain 3: Ominous signs and patient referral (15%)
- Knowledge of ominous signs
- Understand the need for emergency referral
- Knowledge of when to refer to a Western medical practitioner

A 3 (a): Medical
- Ability to recognize and manage signs and symptoms that require co-management and/or referral (e.g., anaphylaxis, cardiac arrest, fainting, respiratory arrest, bleeding, cancer, etc.)

A 3 (b): Mental health
- Ability to recognize symptoms and signs of mental and/or emotional disorders (e.g., suicide, eating disorders, etc.) and make appropriate referral

A 3 (c): Abuse
- Ability to recognize potential signs of abuse (e.g., domestic, sexual, elder, child) and make appropriate referral

Domain B: Pharmaceuticals and Supplementation (15% of total exam)

Sub Domain B1: Pharmaceuticals
Appendix J: Expanded Content Outlines

**B 1 (a): Classification of prescription and non-prescription (OTC) medications**

- Knowledge of major classifications and sub-classifications (e.g., anticoagulants, antidepressants, antibiotics, antilipidemic, antihypertensive, diuretics, corticosteroids, hormones, narcotics, drugs of abuse)
- Ability to reference medications according to brand or generic names

**B 1 (b): Common mechanisms of action, action and side effects of prescription and non-prescription (OTC) medications, including drugs of abuse**

- Knowledge of actions and common side effects of major drug categories (e.g., SSRI, beta-blockers, opiates, amphetamines)
- Knowledge of mechanisms of major categories (e.g., SSRI, loop diuretic, beta-blocker)
- Ability to reference common actions, precautions and side effects
- Ability to recognize adverse drug reactions and make appropriate referral
- Knowledge of routes of administration (e.g., intravenous, oral, subcutaneous)
- Knowledge of the effects of the use of tobacco, alcohol, and street drugs

**Sub Domain B2: Supplements**

**B 2 (a): Classification of dietary supplements**

- Knowledge of major classifications (e.g., vitamins, minerals, amino acids, anti-oxidants)
- Ability to reference supplements to a reliable source
Appendix J: Expanded Content Outlines

**B 2 (b):** Known mechanisms of action and side effects of supplements

- Knowledge of actions and common side effects of major categories (e.g., fat soluble, water soluble vitamins, phyto-estrogens, minerals)
- Ability to reference common actions and side effects
- Ability to recognize signs and symptoms associated with excess or deficient states
- Ability to recognize adverse reactions to supplements (e.g., diarrhea associated with ascorbic acid, niacin flush)

**Domain C: Safety (15% of total exam)**

**Sub Domain C1: CPR and office emergencies**

- Knowledge of CPR
- Ability to perform CPR
- Ability to manage office emergencies

**Sub Domain C2: Bloodborne pathogens and communicable diseases**

- Knowledge of bloodborne and airborne pathogens (e.g., HBV, HCV, HIV)
- Knowledge of communicable diseases (e.g., airborne, oral-fecal, vector)
- Knowledge of infectious diseases (e.g., Methicillin resistant *Staphylococcus aureus* (MRSA), *Mycobacterium tuberculosis*, Vancomycin resistant *Enterococci* (VRE))
- Knowledge of universal precautions
- Ability to apply universal precautions
- Knowledge of accidental needle-stick protocol

**Domain D: Practice Management Issues (15% of total exam)**

**Sub Domain D1: Legal and ethical issues**
Appendix J: Expanded Content Outlines

**D 1 (a): Federal and state regulations**

**D 1 (a) (1):** Occupational Safety & Health Administration (OSHA)
- Knowledge of applicable federal and state requirements (e.g., use of biohazard containers)
- Ability to follow rules, regulations and reporting

**D 1 (a) (2):** Health Insurance Portability and Accountability Act (HIPAA)
- Knowledge of HIPAA compliance requirements

**D 1 (a) (3):** Reporting requirements
- Knowledge of mandated reportable conditions (e.g., elder and child abuse, infectious diseases, bioterrorism)
- Knowledge to report in accordance with state laws

**D 1 (a) (4):** Business operations
- Knowledge of state/city requirements
- Knowledge of the definition and purpose of ICD codes
- Knowledge of the definition and purpose of CPT codes
- Knowledge of insurance requirements (e.g., general liability, malpractice insurance)
- Ability to comply with local, state, and federal laws (e.g., taxation, business license, fire and safety codes)

**D 1 (a) (5):** Maintenance of proper medical records
Appendix J: Expanded Content Outlines

- Knowledge of the components of various formats of medical records and report writing (e.g., SOAP notes, progress report, etc.)
- Ability to appropriately chart treatments, progress and document adverse events
- Ability to maintain medical records in accordance with the law
- Ability to write medical and legal reports

D 1 (a) (6): Licensure requirements

- Knowledge of state laws and rules
- Ability to complete and maintain license and certification requirements

D 1 (b): Ethical issues

- Knowledge of NCCAOM Code of Ethics and awareness of other codes of ethics (e.g., professional boundaries, informed consent, advertisement)

Sub Domain D2: Other practice management issues

D 2 (a): Communication with patients and other professionals (e.g., third party payers, other healthcare providers, attorneys, etc.)

- Knowledge of medical terminology
- Ability to communicate effectively (e.g., use of appropriate language)

D 2 (b): NCCAOM rules and regulations

- Knowledge of NCCAOM rules and regulations
- Ability to comply with policies (e.g., self reporting disciplinary action, record update, CEU)
Appendix J: Expanded Content Outlines

The Chinese Herbology Examination Expanded Content Outline

(Effective in 2010)

Note to Candidate: This document serves as a guide to assist in examination preparation for candidates who have met NCCAOM eligibility requirements. Below is the content outline for the Chinese Herbology examination, along with the Knowledge, Skills and Abilities (KSA) statements.

Domain A: Herbal Safety And Professional Preparations (10% of Examination)

Sub Domain A1: Safe practices of Chinese herbal medicine

A 1 (a): Identify precautions and contraindications

- Knowledge of Chinese herbs
- Knowledge of safe practice of Chinese herbal medicine
- Skills to prescribe Chinese herbal medicine
- Skills to prepare, handle Chinese herbal medicine
- Ability to prescribe Chinese herbal medicine

A 1 (b): Side effects of herbal medicines

- Knowledge of basic side effects of medications
- Skills to recognize basic side effects of herbal medicines
- Ability to assess interactions of legal vs. illegal drugs
- Ability to prevent side effects of basic herbal medicines

A 1 (c): Herb-drug interactions

- Knowledge of herb-drug interactions
- Knowledge of patient herb and drug use
- Skills to identify herb-drug interactions
Appendix J: Expanded Content Outlines

- Ability to recognize, diagnosis, and prevent herb-drug interactions

**Sub Domain A2: Maintain an herbal dispensary of raw herbs and/or granules**

- Knowledge of common dosages for granules/powders
- Knowledge of granules/powders
- Skills to maintain storage of granules/powders
- Skills to understand concentration ratio of granules/powders
- Skills to assess GMP standards concerning formulas
- Ability to properly dose granules/powders for individual patients
- Ability to equate measurements with ratio of ingredients and dosage

**Sub Domain A3: Maintain patent medicine herbal dispensary**

- Knowledge of how to prescribe indications and ingredients of commonly used patent medicines
- Knowledge of storage procedures for patent medicines
- Skills to diagnosis patient’s condition according to TCM theory
- Ability to prescribe patent medicine for individual patient

**Sub Domain A4: Manage inventory of herbal products**

- Knowledge of laws and regulations concerning storage of herbal products
- Knowledge of basic inventory management
- Skills to manage inventory
- Ability to keep inventory products fresh and in good quality

**Sub Domain A5: Maintain medical records of patients, including medications**

- Knowledge of patient’s medical history, medication use and/or illegal drug usage
- Knowledge of toxicity of Chinese Herbs
- Knowledge to create herbal medical records, including returned products, side effects, and communications
Appendix J: Expanded Content Outlines

- Skills to maintain herbal medical records
- Skills to maintain patient profiles
- Ability to maintain patient profiles
- Ability to assess interactions of legal vs. illegal drugs
- Ability to maintain good herbal medical records

**Sub Domain A6: Identification of herbal products**

- Knowledge of the quality and medicinal characteristics of herbal products (e.g., aroma, flavor, preparation)
- Knowledge of standard species of herbs
- Skills to assess characteristics of herbal products
- Ability to identify characteristics of herbal products

**Sub Domain A7: Evaluation of quality of herbs and herbal products**

- Knowledge of GMP standards and products manufactured with GMP standards
- Knowledge of contaminants
- Knowledge of testing procedures for contaminants
- Knowledge of Certificates of Analysis from herbal suppliers
- Knowledge to evaluate purchased herbs for quality including GMP standards
- Skills to assess quality of herbal products
- Skills to assess the quality of purchased herbs
- Ability to identify and use quality herbals
- Ability to identify products manufactured with GMP standards
- Ability to obtain information about testing procedures for contaminants from herb suppliers
- Ability to request a Certificate of Analysis from herbal suppliers
- Ability to prevent using contaminated herbs

**Sub Domain A8: Identify products containing endangered species**

- Knowledge of endangered species
Appendix J: Expanded Content Outlines

- Knowledge of products containing endangered species
- Knowledge of substitutions for individual endangered species
- Knowledge of what to substitute for products containing endangered species
- Skills to avoid products containing endangered species
- Ability to identify products containing endangered species

Sub Domain A9: Maintain herbal dispensary supplies and environment (e.g., tools, scales, etc.)

- Knowledge of use of scales in preparation of herbal formulas
- Knowledge of recording dates for scale calibration
- Knowledge of scale calibrations
- Knowledge of regulations/laws related to scale calibrations
- Knowledge of bowls used to prepare herbal formulas
- Knowledge of different types of bowls for herbal formula use (e.g., plastic, glass, marble, etc)
- Knowledge of bowl preparation (pre) for herbal formulas
- Knowledge of sanitation rules and regulations
- Skills to maintain bowls for herbal preparations
- Skills to keep office records
- Skills to prepare scale for measurements
- Ability to measure herbs accurately
- Ability to maintain good business management
- Ability to maintain bowls for herbal preparations

Sub Domain A10: Monitor stored herbs for contamination

- Knowledge of monitoring herbs for contamination (e.g., mold, rancidity, infestation, etc.)
- Skills to assess the contamination of herbs
- Ability to monitor herbs for contamination
- Ability to prevent contamination
Appendix J: Expanded Content Outlines

Sub Domain A11: Monitor herbs and herbal products for expiration dates
- Knowledge to monitor herbs and prepared products for expiration dates
- Skills to monitor herbal supply for freshness
- Ability to monitor herbal supply for freshness

Sub Domain 12A: Storage of herbs and herbal products
- Knowledge of herbs and herbal products storage techniques
- Skills to provide the proper storage of herbs
- Ability to provide proper storage for herbs

Sub Domain 13A: Maintain records of discarded products
- Knowledge of maintaining records/reports of discards of herbs
- Knowledge of business management
- Knowledge to create records/reports of discards
- Skills to maintain medical records
- Skills to create records/reports of discards
- Ability to maintain good medical/business management

Domain B: Herbs, Herbal Formulas and Prescriptions (75% of Examination)

Sub Domain B1: Prescribe and dispense Chinese herbs for individual patients

B 1 (a): Tastes, properties, direction, and channels entered of individual Chinese herbs
- Knowledge of tastes, properties, direction, and channels entered of individual Chinese herbs
- Knowledge to understand implications of disease states in the prescribing of Chinese herbs
Appendix J: Expanded Content Outlines

- Skills to prescribe and dispense herbal formulations
- Skills to apply precautions and contraindications to each individual situation
- Skills to modify formulas for individual patients
- Ability to prescribe an herbal formula based on TCM diagnosis
- Ability to modify prescriptions based on the condition of the individual patient

**B 1 (b): Functions and indications of individual Chinese herbs**

- Knowledge of function, indications, precautions and contraindications of individual Chinese herbs
- Knowledge to understand implications of disease states in the prescribing of Chinese herbs
- Skills to prescribe and dispense herbal formulations
- Skills to apply precautions and contraindications to each individual situation
- Skills to modify formulas for individual patients
- Ability to prescribe an herbal formula based on TCM diagnosis
- Ability to modify prescriptions based on the condition of the individual patient

**B 1 (c): Functions and indications of combinations of Chinese herbs**

- Knowledge of function, indications, precautions and contraindications of combinations of Chinese herbs
- Knowledge to understand implications of disease states in the prescribing of Chinese herbs
- Skills to prescribe and dispense herbal formulations
- Skills to apply precautions and contraindications to each individual situation
- Skills to modify formulas for individual patients
- Ability to prescribe an herbal formula based on TCM diagnosis
Appendix J: Expanded Content Outlines

- Ability to modify prescriptions based on the condition of the individual patient

**B 1 (d): Treatment strategies (Ba Fa) of Chinese herbal medicine**

- Knowledge of function, indications, precautions and contraindications treatment strategies (Ba Fa) of Chinese herbal medicine
- Skills to modify, provide patient with treatment strategies (Ba Fa) of Chinese herbal medicine
- Ability to utilize treatment strategies (Ba Fa) of Chinese herbal medicine

**B 1 (e): Dynamics of Chinese herbal formulas**

- Knowledge of traditional formula composition in TCM
- Skills to prescribe and dispense herbal formulations
- Skills to apply precautions and contraindications to each individual situation
- Skills to modify formulas for individual patients
- Ability to prescribe an herbal formula based on TCM diagnosis
- Ability to modify prescriptions based on the condition of the individual patient

**B 1 (f): Functions, indications and ingredients of Chinese herbal formulas**

(see Appendix of Formulas - Reference of common Chinese herbal formulas at end of file)

- Knowledge of function, indications, precautions and contraindications of Chinese herbal formulas
- Knowledge to understand implications of disease states in the prescribing of Chinese herbs
- Skills to prescribe and dispense herbal formulations
- Skills to apply precautions and contraindications to each individual situation
Appendix J: Expanded Content Outlines

- Skills to modify formulas for individual patients
- Ability to prescribe an herbal formula based on TCM diagnosis
- Ability to modify prescriptions based on the condition of the individual patient

**Sub Domain B2: Proper administration of herbal prescriptions**

**B 2 (a): Dosage of herbs and formulas**

- Knowledge of the proper dosage for herbs and formulas
- Knowledge of theories and concepts of herbal formulations
- Ability to administer herb and herbal formula preparations
- Skills to teach the patient about correct herbal use and administration
- Skills to provide herbs and herbal formulas to patients

**B 2 (b): Appropriate form of administration**

- Knowledge of appropriate form of administration (e.g., decoction, powder, pills, tinctures, external applications)
- Ability to provide patient with accepted methods to take herbal preparations
- Skills to teach the patient about correct herbal use and administration
- Skills to administer herb and herbal formula preparations

**B 2 (c): Preparation of herbs and herbal formulas**

- Knowledge of preparation of herbs and herbal formulas
- Ability to select proper herbs and herbal formulas
- Skills to prepare herbs and herbal formulas

**Sub Domain B3: Understand expected treatment outcomes and reactions to treatment for individual patients**

- Knowledge to anticipate treatment outcomes and reactions to treatment
Appendix J: Expanded Content Outlines

- Skills to assess treatment outcomes and reactions to treatment
- Ability to assess treatment outcomes and reactions to treatment

**Sub Domain B4: Differentiate characteristics of Western vs. Chinese medicinal herbs**

- Knowledge of difference between Western herbs and Chinese herbs
- Skills to explain the difference between Western and Chinese herbs for the patient
- Ability to explain the difference between Western and Chinese herbs for the patient

**Domain C: Evaluation And Modification Of Treatment (15% Of Examination)**

**Sub Domain C1: Evaluation and modification of Chinese herbal treatment**

- Knowledge of safety of herbal treatment
- Knowledge of patient’s condition in the on-going course of Chinese herbal treatment
- Knowledge of functions and indications of TCM herbal prescriptions
- Knowledge of concepts and theories of Chinese herbal medicine
- Ability to re-evaluate patient’s condition in determining future treatment outcomes
- Ability to modify Chinese herbal treatment based on re-assessment of patient’s condition
- Ability to communicate with patients and other health care providers to explain the function and safety of Chinese herbal treatment
- Skills to communicate with patients and other health care providers and explain the function and safety of Chinese herbal treatment
- Skills to re-evaluate patient’s condition and modify herbal formulations

**Sub Domain C2: Consult with patient on additional areas of concern**
Appendix J: Expanded Content Outlines

- Knowledge of additional areas of concern for patients
- Skills to identify and respond to additional areas of concern
- Ability to analyze patient’s history
- Ability to adjust treatment after additional areas of concern are noted

**Sub Domain C3: Communicate with patients and other health care providers about**

**Chinese herbal treatment**

- Knowledge of safety of herbal treatment
- Knowledge of concepts and theories of Chinese herbal medicine
- Skills to communicate with patients and other health care providers and explain the function and safety of Chinese herbal treatment
- Ability to communicate with patients and other health care providers to explain the function and safety of Chinese herbal treatment

**Sub Domain C4: Advise patients of potential side-effects, precautions and interactions (e.g., foods, supplements and/or medications)**

- Knowledge of herbs, medications (over the counter and prescribed), and foods
- Knowledge of potential side-effects, precautions and interactions of herbs with other medications (over the counter and prescribed) and foods
- Skills to teach patients about potential side-effects and interactions between herbs, medications and foods
- Ability to prescribe herbs that also belong to food for patient
- Ability to identify potential side-effects and interactions between herbs, medications and foods

**Sub Domain C5: Use of herbs in dietary therapy and dietary recommendations based on Traditional Chinese Medicine**
Appendix J: Expanded Content Outlines

- Knowledge to provide patient education about the use of herbs in dietary therapy and dietary recommendations based on TCM
- Knowledge of dietary therapy, including the use of herbs, based on TCM
- Skills to teach the patient about dietary therapy and the use of herbs in dietary therapy based on TCM
- Ability to provide recommendations on dietary therapy and use of herbs in dietary therapy based on TCM

Sub Domain C6: Use of external herbal applications

- Knowledge of different forms of external herbal applications
- Knowledge of actions, indications and contraindications for external herbal applications
- Skills to choose the proper external herbal applications for the individual patient
- Skills to educate patients in the use of external herbal applications
- Ability to advise patients in the use of external herbal applications

Sub Domain C7: Provide patient with copy of the herbal formula prescription

- Knowledge to prepare an herbal formula prescription
- Knowledge to explain herbal formula prescription to patient
- Skills to provide herbal formula prescription to patient
- Ability to provide herbal formula prescription to patient
- Ability to explain herbal formula prescription to patient
Appendix of Formulas: Reference of Common Chinese Herbal Formulas

- Ba Zhen Tang (Eight-Treasure Decoction)
- Ba Zheng San (Eight-Herb Powder for Rectification)
- Bai He Gu Jin Tang (Lily Bulb Decoction to Preserve the Metal)
- Bai Hu Tang (White Tiger Decoction)
- Bai Tou Weng Tang (Pulsatilla Decoction)
- Ban Xia Bai Zhu Tian Ma Tang (Pinellia, Atractylodis Macrocephalae, and Gastrodia Decoction)
- Ban Xia Hou Po Tang (Pinellia and Magnolia Bark)
- Ban Xia Xie Xin Tang (Pinellia Decoction to Drain the Epigastrium)
- Bao He Wan (Preserve Harmony Pill)
- **Bei Xie Fen Qing Yin** (Dioscorea Hypoglauc Decoction to Separate the Clear)
- Bu Yang Huan Wu Tang (Tonify the Yang to Restore Five (Tenths) Decoction)
- Bu Zhong Yi Qi Tang (Tonify the Middle and Augment the Qi Decoction)
- Cang Er Zi San (Xanthium Powder)
- Chai Ge Jie Ji Tang (Bupleurum and Kudzu Decoction)
- Chai Hu Shu Gan San (Bupleurum Powder to Spread the Liver)
- Chuan Xiong Cha Tiao San (Ligusticum Chuanxiong Powder to be Taken with Green Tea)
- Da Bu Yin Wan (Great Tonify the Yin Pill)
- Da Chai Hu Tang (Major Bupleurum Decoction)
- Da Cheng Qi Tang (Major Order the Qi Decoction)
- Da Jian Zhong Tang (Major Construct the Middle)
- Dang Gui Bu Xue Tang (Tangkuei Decoction to Tonify the Blood)
- Dang Gui Liu Huang Tang (Tangkuei and Six-Yellow Decoction)
- Dao Chi San (Guide Out the Red Powder)
- Ding Chuan Tang (Arrest Wheezing Decoction)
- **Ding Xiang Shi Di Tang** (Clove and Persimmon Calyx Decoction)
- Du Huo Ji Sheng Tang (angelica Pubescens and Sangjisheng Decoction)
- Du Qi Wan (Capital Qi Pill)
Appendix J: Expanded Content Outlines

- Er Chen Tang (Two-Cured Decoction)
- Er Miao San (Two-Marvel Powder)
- Er Xian Tang (Two-Immortal Decoction)
- Er Zhi Wan (Two-Ultimate Pill)
- Fu Yuan Huo Xue Tang (Revive Health by Invigorating the Blood Decoction)
- Gan Cao Xie Xin Tang (Licorice Decoction to Drain the Epigastrium)
- Gan Mai Da Zao Tang (Licorice, Wheat, and Jujube Decoction)
- Ge Gen Huang Lian Huang Qin Tang (Kudzu, Coptis, and Scutellaria Decoction)
- Ge Gen Tang (Kudzu Decoction)
- Ge Xia Zhu Yu Tang (Drive Out Blood Stasis Below the Diaphragm Decoction)
- Gui Pi Tang (Restore the Spleen Decoction)
- Gui Zhi Fu Ling Wan (Cinnamon Twig and Poria Pill)
- Gui Zhi Shao Yao Zhi Mu Tang (Cinnamon Twig, Peony, and Anemarrhena Decoction)
- Gui Zhi Tang (Cinnamon Twig Decoction)
- Huang Lian E Jiao Tang (Coptis and Ass-Hide Gelatin Decoction)
- Huang Lian Jie Du Tang (Coptis Decoction to Relieve Toxicity)
- Huo Xiang Zheng Qi San (Agastache Powder to Rectify the Qi)
- Ji Chuan Jian (Benefit the River (Flow) Decoction)
- Jia Jian Wei Rui Tang (Modified Polygonatum Odoratum)
- Jian Bi Tang (Remove Painful Obstruction Decoction from Medical Revelations)
- Jiao Ai Tang (Ass-Hide Gelatin and Mugwort Decoction)
- Jin Gui Shen Qi Wan (Kidney Qi Pill from the Golden Cabinet)
- Jin Ling Zi San (Melia Toosendan Powder)
- Jin Suo Gu Jing Wan (Metal Lock Pill to Stabilize the Essence)
- Ju Pi Zhu Ru Tang (Tangerine Peel and Bamboo Shaving Decoction)
- Li Zhong Wan (Regulate the Middle Pill)
- Liang Fu Wan (Galangal and Cyprus Pill)
- Liang Ge San (Cool the Diaphragm Powder)
Ling Gui Zhu Gan Tang (Poria, Cinnamon Twig, Atractylodis Macrocephalae and Licorice Decoction)
Ling Jian Gou Teng Tang (Antelope Horn and Uncaria Decoction)
Liu Wei Di Huang Wan (Six-Ingredient Pill with Rehmannia)
Liu Yi San (Six-to-One Powder)
Long Dan Xie Gan Tang (Gentiana Longdancao Decoction to Drain the Liver)
Ma Huang Tang (Ephedra Decoction)
Ma Xing Shi Gan Tang (Ephedra, Apricot Kernel, Gypsum and Licorice Decoction)
Ma Zi Ren Wan (Hemp Seed Pill)
Mai Men Dong Tang (Ophiopogonis Decoction)
Mu Li San (Oyster Shell Powder)
Nuan Gan Jian (Warm the Liver Decoction)
Ping Wei San (Calm the Stomach Powder)
Pu Ji Xiao Du Yin (Universal Benefit Decoction to Eliminate Toxin)
Qi Ju Di Huang Wan (Lycium Fruit, Chrysanthemum and Rehmannia Pill)
Qiang Huo Sheng Shi Tang (Notopterygium Decoction to Overcome Dampness)
Qin Wei San (Clear the Stomach Powder)
Qing Gu San (Cool the Bones Powder)
Qing Hao Bie Jia Tang (Artemisia Annua and Soft-Shelled Turtle Shell Decoction)
Qing Qi Hua Tan Wan (Clear the Qi and Transform Phlegm Pill)
Qing Wen Bai Du San (Clear Epidemics and Overcome Toxin Decoction)
Qing Ying Tang (Clear the Nutritive Level Decoction)
Qing Zao Jiu Fei Tang (Eliminate Dryness and Rescue the Lungs Decoction)
Ren Shen Bai Du San (Ginseng Powder to Overcome Pathogenic Influences)
San Zi Yang Qing Tang (Three-Seed Decoction to Nourish One’s Parents)
Sang Ju Yin (Mulberry Leaf and Chrysanthemum Decoction)
Sang Piao Xiao San (Mantis Egg-Case Powder)
Appendix J: Expanded Content Outlines

- Sang Xing Tang (Mulberry Leaf and Apricot Kernel Decoction)
- Shao Fu Zhu Yu Tang (Drive-Out Blood Stasis in the Lower Abdomen Decoction)
- Shao Yao Gan Cao Tang (Peony and Licorice Decoction)
- Shao Yao Tang (Peony Decoction)
- Shen Ling Bai Zhu San (Ginseng, Poria and Atractylodes Macrocephala Powder)
- Shen Tong Zhu Yu Tang (Drive Out Blood Stasis from a Painful Body Decoction)
- Sheng Hua Tang (Generation and Transformation Decoction)
- Sheng Jiang Xie Xin Tang (Fresh Ginger Decoction to Drain the Epigastrium)
- Sheng Ma Ge Gen Tang (Cimicifuga and Kudzu Decoction)
- Sheng Mai San (Generate the Pulse Powder)
- Shi Hui San (Ten Partially-Charred Substance Powder)
- Shi Pi Yin (Bolster the Spleen Decoction)
- Shi Quan Da Bu Tang (All Inclusive Great Tonifying Decoction)
- Shi Xiao San (Sudden Smile Powder)
- Shou Tai Wan (Fetus Longevity Pill)
- Si Jun Zi Tang (Four-Gentleman Decoction)
- Si Ni San (Frigid Extremities Powder)
- Si Ni Tang (Frigid Extremities Decoction)
- Si Shen Wan (Four-Miracle Pill)
- Si Wu Tang (Four-Substance Decoction)
- Su Zi Jiang Qi Tang (Perilla Fruit Decoction for Directing Qi Downward)
- Suan Zao Ren Tang (Sour Jujube Decoction)
- Tai Shan Pan Shi San (Powder that Gives the Stability of Mount Tai)
- Tian Ma Gou Teng Yin (Gastrodia and Uncaria Decoction)
- Tian Tai Wu Yao San (Top-quality Lindera Powder)
- Tian Wang Bu Xin Dan (Emperor of Heaven’s Special Pill to Tonify the Heart)
- Tiao Wei Cheng Qi Tang (Regulate the Stomach and Order the Qi Decoction)
- Tong Xie Yao Fang (Important Formula for Painful Diarrhea)
Appendix J: Expanded Content Outlines

- Wan Dai Tang (End Discharge Decoction)
- **Wei Jing Tang (Reed Decoction)**
  - Wen Dan Tang (Warm the Gallbladder Decoction)
  - Wen Jing Tang (Warm the Menses Decoction)
  - Wu Ling San (Five-Ingredient Powder with Poria)
  - Wu Pi San (Five-Peel Powder)
  - Wu Wei Xiao du Yin (Five-Ingredient Decoction to Eliminate Toxin)
  - Wu Zhu Yu Tang (Evodia Decoction)
  - Xi Jiao Di Huang Tang (Rhinoceros Horn and Rehmannia Decoction)
- **Xiang Ru San (Elsholtzia Powder)**
- **Xiang Su San (Cyprus and Perilla Lead Powder)**
  - Xiao Chai Hu Tang (Minor Bupleurum Decoction)
  - Xian Cheng Qi Tang (Minor Order the Qi Decoction)
  - Xiao Feng San (Eliminate Wind Powder from True Lineage)
- **Xiao Ji Yin Zi (Cephalanoplos Decoction)**
  - Xiao Jian Zhong Tang (Minor Construct the Middle)
  - Xiao Qing Long Tang (Minor Blue-Green Dragon Decoction)
  - Xiao Yao San (Rambling Powder)
  - Xie Bai San (Drain the White Powder)
- **Xie Huang San (Drain the Yellow Powder)**
  - Xie Xin Tang (Drain the Epigastrium Decoction)
  - Xing Su San (Apricot Kernel and Perilla Leaf Powder)
- **Xuan Fu Dai Zhe Tang (Inula and Hermatite Decoction)**
  - Xue Fu Zhu Yu Tang (Drive Out Stasis in the Mansion of Blood Decoction)
- **Yang He Tang (Yang-Heartening Decoction)**
  - Yi Guan Jian (Linking Decoction)
  - Yin Chen Hao Tang (Artemisia Yinchenhao Decoction)
  - Yin Qiao San (Honeysuckle and Forsythia Powder)
  - You Gui Wan (Restore the Right (Kidney) Pill)
  - You Gui Yin (Restore the Right (Kidney) Decoction)
  - Yu Nu Jian (Jade Woman Decoction)
  - Yu Ping Feng San (Jade Windscreen Powder)
  - Yue Ju Wan (Escape Restraint Pill)
Appendix J: Expanded Content Outlines

- Zhen Gan Xi Feng Tang (Sedate the Liver and Extinguish Wind Decoction)
- **Zhen Ren Yang Zang Tang (True Man's Decoction to Nourish the Organs)**
- Zhen Wu Tang (True Warrior Decoction)
- Zhi Bai Di Huang Wan (Anemarrhena Phellodendron and Rehmannia Pill)
- Zhi Gan Cao Tang (Honey-Fried Licorice Decoction)
- Zhi Sou San (Stop Coughing Powder)
- Zhu Ling Tang (Polyporus Decoction)
- Zhu Ye Shi Gao Tang (Lophatherus and Gypsum)
- Zuo Gui Wan (Restore the Left (Kidney) Pill)
- Zuo Gui Yin (Restore the Left (Kidney) Decoction)
- Zuo Jing Wan (Left Metal Pill)
Appendix J: Expanded Content Outlines

The Foundations of Oriental Medicine Expanded Content Outline
(Effective January 1, 2010)

Note to Candidate: This document serves as a guide to assist in examination preparation for candidates who have met NCCAOM eligibility requirements. Below is the content outline for the Foundations of Oriental Medicine examination, along with the Knowledge, Skills and Abilities (KSA) statements.

Domain A: Diagnostic Examination (25% of total exam)

Using Traditional Oriental Diagnostic Methods to Determine Physiological Status and Pathologies

Sub Domain A1: Looking (observing and examining) (Wang)

A 1 (a): Spirit (Shen)

- Knowledge of the concept of Shen (Spirit) including terminology, functions, relations with the organs and meridians and vital substances (Qi, essence, blood, etc.)
- Knowledge of manifestations of pathologies of Shen and associated patterns of disharmony
- Ability to identify patterns of disharmony based on observations of the Shen (Spirit)
- Ability to assess Shen (Spirit) by observing outward manifestation

A 1 (b): Face, complexion, and luster

- Knowledge of associations of the face with the organs, meridians, Shen (Spirit), and other vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of color, moisture, texture,
Appendix J: Expanded Content Outlines

and organ-indicative locations and their associated patterns of disharmony

- Ability to observe and assess normal and/or abnormal conditions and changes of the face and complexion

A 1 (c): Tongue (body and coating)

- Knowledge of associations of the tongue with the organs, meridians, and vital substances (Qi, blood, essence, body fluid)
- Knowledge of normal and/or abnormal manifestations and patterns of the tongue and sub-lingual area
- Knowledge of pathological manifestations of the tongue and tongue coating including color, size, moisture, texture, shape, position, state of movement, organ-indicative locations, and their associated patterns
- Ability to observe and assess normal and/or abnormal conditions and changes of the tongue

A 1 (d): Eyes, nose, mouth, lips, teeth, and throat

- Knowledge of associations of the eyes, nose, mouth, lips, teeth and throat with the organs, meridians, Shen (Spirit), and vital substances (Qi, blood, essence, body fluid)
- Knowledge of pathological manifestations of the eyes including color, moisture, states of movement, and their associated patterns of disharmony
- Knowledge of pathological manifestations of nose, mouth, lips, teeth and throat, including associated patterns of disharmony
- Ability to observe and assess normal and/or abnormal conditions and changes of the eyes, nose, mouth, lips, teeth and throat
- Ability to evaluate Shen of patient by observing outward manifestation

A 1 (e): Auricular characteristics

- Knowledge of associations of the auricular characteristics with the
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organs, meridians, and vital substances (Qi, blood, essence, body fluid, Shen – spirit)

- Knowledge of normal and/or abnormal manifestations and patterns of auricle
- Knowledge and ability to identify clinically significant points on the auricle
- Ability to assess and identify normal and/or abnormal conditions and changes of auricle

A 1 (f): Physical characteristics (movement, weight, expression/demeanor, and general behavior)

- Knowledge of traditional Chinese medicine (TCM) theory regarding physical characteristics (movement, weight, expression/demeanor and general behavior)
- Knowledge of pathological significance of physical characteristics (movement, weight, expression/demeanor and general behavior)
- Ability to observe and assess physical characteristics

A 1 (g): Skin, flesh, hair, scalp, and nails

- Knowledge of associations of the skin condition and characteristics with the organs, meridians, and vital substances (Qi, blood, essence, body fluid, Shen – spirit)
- Knowledge of associations of hair, scalp, and nails with the organs, meridians and vital substances (Qi, blood, essence, body fluid, etc.)
- Knowledge of normal and/or abnormal manifestations and patterns of the skin
- Knowledge of symptoms and signs of hair, scalp, and nails (including color, moisture, texture, growth, strength, etc.)
- Ability to assess and identify normal and/or abnormal conditions and changes of the skin
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- Ability to examine and assess the symptoms and signs of the hair, scalp, and nails

**A 1 (h): Head, torso, abdomen, limbs, hands and feet**

- Knowledge of associations of the head, torso, abdomen, limbs, hands and feet with the meridians, organs, bones, muscles, sinews, skin regions of organs
- Knowledge of symptoms and signs of the head, torso, abdomen, limbs, hands and feet concerning pain, sensation, structure, range of motion, muscles, sinews, bones
- Knowledge of the symptoms and signs of the head, torso, abdomen, limbs, hands and feet with patterns
- Ability to examine and assess the head, torso, abdomen, limbs, hands and feet to identify the symptoms and signs
- Knowledge of the association of abdominal symptoms and signs with patterns of disharmony
- Ability to examine and assess the abdomen to identify the symptoms and signs

**A 1 (i): Secretions and excretions (sweat, urine, stool, phlegm, etc.)**

- Knowledge of normal and abnormal secretions and excretions (phlegm, sputum, saliva, sweat, discharge, stool, urine, etc.) and their origin, production, formation, patterns, pathological influences, involved organs and meridians
- Knowledge of the natures and pathological patterns of secretions and excretions (phlegm, sputum, saliva, sweat, discharge, stool, urine, etc.)
- Ability to examine and assess secretions and excretions to determine pathologies

**Sub Domain A2: Listening and smelling (Wen)**
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A 2 (a): Respiratory sounds

- Knowledge of associations of the respiratory sounds with the organs, meridians, and vital substances (Qi, blood, body fluids, etc.)
- Knowledge of symptoms, pathology and patterns of respiratory sounds
- Ability to listen to and assess respiratory sounds to identify patterns of disharmony

A 2 (b): Tonal qualities, strength of voice and speech (quality, manner, pattern, contents)

- Knowledge of associations of the voice with the organs, meridians, and vital substances (Qi, blood, body fluid)
- Knowledge of associations of the speech (quality, manner, pattern, contents), with the organs, meridians, Shen, and vital substances (Qi, essence, blood, body fluid)
- Knowledge of symptoms, pathology and patterns of the tonal quality and strength of the voice, abnormal speech (quality, manner, pattern, contents)
- Ability to listen to and assess disorders of the voice and speech (quality, manner, pattern, themes, contents)
- Ability to evaluate tone and strength of vocal and speech using Five Element theory

A 2 (c): Abdominal sounds and joint sounds

- Knowledge of associations of the abdominal sounds with the functions and dysfunctions of the organs and meridians regarding Qi movement, food digestive process, and water metabolism
- Knowledge of association of the joint sounds with the functions and dysfunctions of the organs, meridians, related muscles, sinews, body fluid, essence, and blood
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- Knowledge of patterns regarding abnormal abdominal sounds
- Ability to listen to and assess abdominal sounds to identify the patterns
- Ability to assess joint sounds

A 2 (d): Body, breath and mouth odor

- Knowledge of associations of body odors with functions and dysfunctions of the organs, meridians, water metabolism, food digestion, and external and internal pathogenic factors
- Ability to assess general body odor to identify patterns of disharmony
- Knowledge of body odor in relation to pathogenic factor according to five element theory
- Knowledge of associations of breath and mouth odor with functions and dysfunctions of the organs, meridians, with Qi movement, food digestion, and with external and internal pathogenic factors
- Ability to assess breath and mouth odors
- Ability to identify pathogenic influence by assessing odor of breath, mouth

A 2 (e): Odor of secretions and excretions

- Knowledge of associations of odor of secretions and excretions with the functions and dysfunctions of the organs and meridians, with water metabolism, food digestion, and with external and internal pathogenic factors
- Knowledge of patterns of disharmony in regard to abnormal odors of secretions and excretions
- Ability to assess odors of secretions and excretions to identify patterns of disharmony
- Ability to identify pathogenic influence by assessing odor of secretion/excretions
- Ability to conduct the Smelling Exam of the Four Examinations
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- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

Sub Domain A3: Asking (Wen)

A 3 (a): Sensations of hot or cold, chills or fever

- Knowledge of interrelations, etiologies and pathologies of hot, cold, chills and fever
- Knowledge of associations of hot, cold, chills and fever with patterns of disharmony
- Ability to assess hot, cold, chills and fever to determine patterns of disharmony such as external or internal disharmony
- Knowledge of signs and symptoms that can reveal a disharmony, including those not reported by a patient

A 3 (b): Patterns and nature of perspiration or sweating

- Knowledge of perspiration or sweating regarding the patterns, natures, physiologies, and pathologies
- Ability to determine if the symptom may indicate need for immediate emergency care

A 3 (c): Nature, intensity, and location of pain, discomfort, or sensations (e.g., fatigue, heaviness, dizziness, numbness, tingling, etc.)

- Knowledge of the identifications and differentiations of various kinds of pain and abnormal sensations
- Knowledge of the pathologies, patterns of disharmonies of pain, discomfort, numbness or tingling
- Ability to determine affected meridians or Zang-Fu
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- Ability to determine if the nature of pain or sensation may indicate need for referral or immediate emergency care

A 3 (d): Secretions and excretions (sweat, mucus, sputum, etc.)

- Knowledge of secretions and excretions (phlegm, sputum, saliva, etc.) regarding the origin, production, formation, pathological influence, involved organs and meridians
- Knowledge of the natures and pathological patterns of secretions and excretions (phlegm, sputum, saliva, etc.) according to the color, thickness, odor, combination with blood

A 3 (e): Sleep patterns and difficulties

- Knowledge of sleep regarding the physiology, pathology and abnormal patterns

A 3 (f): Thirst, appetite, digestion, including temperature and taste preference of beverages and foods

- Knowledge of the physiology, pathology and abnormal patterns of appetite, thirst, and related patterns of disharmony

A 3 (g): Preferences and cravings for tastes or flavors (e.g., salty, sour, sweet, pungent, bitter, bland, etc.)

- Knowledge of preferences and cravings for tastes and flavors and their association with physiology, pathology and abnormal patterns

A 3 (h): Musculoskeletal conditions

- Knowledge of the physiology and pathology of musculoskeletal system
- Ability to determine affected meridians or Zang-Fu
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A 3 (i): Abdominal conditions and bowel elimination (e.g., difficulty and frequency, gassiness, constipation, diarrhea, etc.) and characteristics of stool

- Knowledge of the normal process of digestion regarding the functions and cooperation of the organs involved
- Knowledge of common physiology, pathology and patterns of bowel movements
- Knowledge of identifications of abdominal bloating or distress based on the locations and dysfunctions of the organs, and on causative pathogens
- Knowledge of the physiology, pathology and patterns of the stool characteristics
- Ability to determine if the nature of the abdominal conditions and bowel movements may indicate need for immediate emergency care

A 3 (j): Urination (e.g., difficulty, frequency, pain, etc.), characteristics of urine and urogenital conditions

- Knowledge of common physiology, pathology and patterns of urine, urination and urogenital conditions
- Ability to determine if the nature of the symptom may indicate need for referral or immediate emergency care

A 3 (k): Sexual and reproductive health

- Knowledge of female and male reproductive systems regarding the related organs, meridians, physiology and pathology
- Knowledge of menstruation, pregnancy and obstetrics regarding the physiology, pathology, symptoms, and patterns of disharmony
- Knowledge of the mechanisms and effects of commonly used birth control methods
- Knowledge of libido and sexual activity; onset, timing, and
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characteristics of menstruation/menopause; vaginal conditions, gynecological and obstetric history, including birth control methods, pregnancies, births and surgeries

- Knowledge, ability and skill to appropriately inquire about sexual issues
- Knowledge of pregnancy regarding the physiology, pathology, symptoms and patterns of disharmony
- Knowledge of the effect of the different stages of pregnancy on the body and treatment precautions
- Knowledge of concurrent medical treatment relative to pregnancy
- Ability to determine if the nature of the symptom may indicate need for referral or immediate emergency care

A 3 (l): Pediatric issues and geriatric issues

- Knowledge of physiology, pathology and symptomology specific to pediatric and geriatric issues
- Ability to evaluate the development of the child (e.g., standing, walking, speaking, teeth, fontanel)
- Ability to evaluate "activities of daily living" in geriatric patients
- Ability to evaluate excretions and secretions
- Ability to evaluate unusual behaviors and movements (e.g., seizures, slurred speech)
- Ability to evaluate cognition
- Ability to evaluate support system (e.g., spiritual, social, medical, financial)

A 3 (m): Respiratory conditions

- Knowledge of respiratory conditions including breathing and chest constriction regarding the organs and meridians involved, the physiological and pathological factors, and relations with patterns of disharmony
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- Ability to determine if the nature of the symptom may indicate need for referral or immediate emergency care

A 3 (n): Ears, eyes, nose, mouth, lips, throat, and teeth

- Knowledge of associations of the ear, eyes, nose, mouth, lips, throat, and teeth with organs, meridians, vital materials (Qi, blood, essence, yin and yang, etc.)
- Knowledge of hearing, vision, and functions of nose, mouth, lips, throat, and teeth regarding the physiology, pathology, symptoms and patterns of disharmony
- Knowledge of patterns and pathologies that give rise to tinnitus, vision problems and dysfunctions of nose, mouth, lips, throat, and teeth
- Knowledge of patterns of disharmony of the ears, eyes, nose, mouth, lips, throat, and teeth
- Ability to determine if the nature of the symptom may indicate need for referral or immediate emergency care

A 3 (o): Skin conditions

- Knowledge of association of the skin condition with organs, meridians, vital substances (Qi, blood, body fluid, yin, yang, etc.)
- Knowledge of patterns of disharmony that is associated with skin diseases including etiology and pathology

A 3 (p): Emotions, cognitive abilities and lifestyles

- Ability to recognize signs of cognitive difficulties
- Knowledge of the associations of the emotions and spirit with the organs and meridians
- Knowledge of the associations of cognitive processes with the organs, vital substances and meridians
- Ability to recognize potential signs of emotional instability
- Knowledge of and ability to recognize symptoms and signs of mental
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and/or emotional conditions and discuss the matter with the patient

- Knowledge of appropriate amounts of rest and activity, and the benefits of stress management activities
- Knowledge of influence on health from occupational and recreational activities, living situation, family, community support, etc.
- Skill and ability to organize the patient’s medical history in a standard format appropriate for reporting significant medical status details to other healthcare providers
- Knowledge of and ability to recognize potential signs of trauma, domestic violence, sexual abuse, elder abuse, etc.

A 3 (q): Weight loss/gain

- Knowledge of the clinical significance of weight gain or loss

Sub Domain A4: Touching (palpation) (Qie)

A 4 (a): Radial pulses, using traditional Chinese medicine (TCM) practice

- Knowledge of locations and association of radial pulses with organs, meridians, and vital substances (Qi, blood, essence, Shen, etc.)
- Knowledge of qualities of radial pulse (including speed, depth, strength, and shape) as indicators of patterns of disharmony and of normal and abnormal states of organ and meridian function

A 4 (b): Areas of tenderness

- Knowledge of patterns of pathology/disharmony and patterns of disharmony indicated by pain, body sensations (e.g., numbness, tingling, sensitivity), temperature changes, or quality of tissue (e.g.,
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hard/soft, supple/brittle)

Ability to conduct the Touching Exam of the Four Examinations

A 4 (c): Abdomen according to traditional Chinese medicine (TCM) and/or Japanese practices

- Knowledge of the abdominal location of zones or divisions representing organs and meridians
- Knowledge of the normal condition of the abdomen
- Knowledge of symptoms and signs of the abdominal zones or divisions indicative of etiological factors (six pathogenic factors, Qi and blood stagnation, food retention, phlegm, emotions, trauma), dysfunctions of the organs and meridians, and neoplasm
- Knowledge of the normal condition of the abdomen
- Knowledge of traditional Japanese practice of hara diagnosis
- Ability to conduct the Touching Exam of the Four Examinations
- Knowledge of the symptomatic patterns of abdomen concerning the locations and meridians/organs, deficiency and excess (kyo and jitsu), yin and yang, according to traditional Japanese practice (hara diagnosis)

A 4 (d): Acupuncture channels and points (e.g., pathway, mu, shu, xi, ashi)

- Knowledge of acupuncture points regarding normal and abnormal levels of the presence of Qi and blood, and the diagnostic indications of specific points regarding the related meridians and organs
- Knowledge of sensations of acupuncture points regarding etiology, pathology and indications of patterns of disharmony
- Skill and ability to palpate the points at the appropriate levels to assess the patient’s condition
- Ability to distinguish qualities in the points (e.g., temperature, Qi level, empty or full, and the different levels in appropriate points
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- Knowledge of the anatomical locations of the pathways of meridians, related meridians and organs, normal and abnormal levels of the presence of Qi and blood
- Ability to assess the condition of the meridians with regard to tenderness, pain and abnormal sensation (e.g., numbness, tingling, sensitivity), quality of tissue (e.g., hard/soft, supple/brittle) and temperature

**Domain B: Assessment and Analysis - Differentiation and Diagnosis**

(40% of total exam)

**Sub Domain B1: Fundamental theory of traditional Chinese medicine**

**B 1 (a): Yin Yang**

- Knowledge of the principles of Yin and Yang including definitions, associations and applications
- Knowledge of Yin and Yang pathologies and their manifestations
- Ability to recognize and categorize symptoms according to Yin Yang theory
- Ability to organize the patient’s signs and symptoms into distinct patterns
- Ability to identify the disease pattern or category that most accurately encompasses and explains the patient’s signs and symptoms

**B 1 (b): Five Elements (Five Phases/Wu Xing)**

- Knowledge of Five Element theory including correspondences, cycles, applications to physiology and relations to organs and meridians
- Knowledge of Five Element pathologies and their manifestations
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- Ability to evaluate signs and symptoms based upon to Five Elements theory

**B 1 (c): Essential substances (Qi, Blood/Xue, Fluids/Jin-Ye, Essence/Jing)**

- Knowledge of the theory of Essential substances (Qi, Blood, Fluids/Jin-Ye, Essence/Jing) including, patterns, physiological functions, formation, interrelationships and relationships with organs and meridians
- Ability to recognize and categorize symptoms according to Essential substance patterns and theory

**B 1 (d): Spirit/Shen**

- Knowledge of the theory of Spirit/Shen including, patterns, functions, formation, interrelationships and relationships with organs and meridians
- Ability to recognize and categorize symptoms according to patterns and theory

**B 1 (e): Channel theory**

- Knowledge of channel theory (Jing-luo) (including Extraordinary channels, Luo-connecting channels, divergent channels, muscle channels, skin regions), including functions, location, and corresponding organs
- Knowledge and ability to recognize and categorize symptoms according to channel theory

**B 1 (f): Organ theory (Zang Fu)**
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- Knowledge of Zang-Fu Organ theory including patterns, physiological functions of organs, interrelationships, and correspondences with tissues, fluids, sense organs, emotions, and areas of the body
- Ability to recognize and categorize signs and symptoms according to Zang-Fu theory

B 1 (g): Pathogenic Factors

- Knowledge of pathogenic factors (e.g., wind, heat, phlegm, anger, improper diet, etc.) including terminologies, definitions, characteristics, manifestations, interrelationships, and effects on organs, meridians and vital substances
- Ability to recognize and categorize symptoms according to pathogenic factors

B 1 (h): Mechanisms of disorders (Bing Ji)

- Knowledge of the theories of the mechanism of disorders (Bing Ji) including the basic pathologic mechanism (Yin and Yang, Evil Qi and Genuine Qi, Qi and Blood, and Body Fluids), the pathological mechanism of exogenous febrile diseases (Six stages, Four Levels, Triple Heater), the pathological mechanism of the five endogenous evils, and the pathological mechanism of the Zang-Fu organs
- Ability to configure the patient’s signs and symptoms into patterns and explain their mechanisms

B 1 (i): Eight Principles (Ba Gang)

- Knowledge of the Eight Principles including terminology, definitions and characteristics
- Knowledge of Eight Principle pathologies including signs and symptoms and tongue and pulse manifestations
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- Ability to evaluate signs and symptoms based upon Eight Principles (Ba Gang) (Yin and Yang, Excess (Shi) and Deficiency (Xu), Interior and Exterior, Heat and Cold)

B 1 (j): Four Levels (Wei, Qi, Ying, Xue)
- Knowledge of Four Levels differentiation in relationship to meridians and organs, and interrelationships among Four Levels
- Knowledge of Four Levels pathologies and manifestations
- Ability to recognize and categorize patient symptoms according to Four Levels patterns and theory
- Knowledge of appropriate application of Four Levels differentiation

B 1 (k): Six Stages differentiation (Shang Han Lun)
- Knowledge of the theory of Six Stages differentiation (Shang Han Lun) including relationship of six stages to meridians and organs, and interrelationships of the stages
- Knowledge of Six Stage pathologies and manifestations
- Ability to recognize and categorize patient symptoms according to Six Stage patterns and theory
- Knowledge of appropriate application of Six Stage differentiation

B 1 (l): Triple Heater (San Jiao) differentiation
- Knowledge of San Jiao differentiation in relationship to meridians and organs, and interrelationships among San Jiao
- Knowledge of San Jiao pathologies and manifestations
- Ability to recognize and categorize patient symptoms according to San Jiao patterns and theory

B 1 (m): Circadian rhythms (body clock) and/or time of day
- Knowledge of associations of the time of day and the circadian rhythms with the dominance and weakness of the organs, meridians
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and acupuncture points as they affect the circulation of Qi and blood, and the balance of yin and yang

- Knowledge of impacts of the time of day and the circadian rhythms on the body, diseases and treatment

Sub Domain B2: Identification of patient’s chief complaint(s) (Zhu Su)

- Ability to prioritize signs and symptoms
- Knowledge of the distinctions among the patient’s chief complaint, general symptoms and the key syndrome (Zhu Zheng)

Sub Domain B3: Identification of key syndrome (Zhu Zheng) and Pattern Differentiation (Bian Zheng)

- Ability to prioritize signs and symptoms
- Knowledge of the distinctions among the patient’s chief complaint, general symptoms and the key syndrome (Zhu Zheng)
- Knowledge of the pattern differentiation (e.g., Eight Principle, Zang-Fu, Five Element, Vital Substance, Pathogenic Factor and Channel Patterns)
- Knowledge of signs and symptoms and their associated patterns

Sub Domain B4: Disease diagnosis according to Oriental medicine (Bian Bing)

- Knowledge of disease categories of Chinese Medicine (cough, asthma, bi syndrome, lin bing, etc.)
- Ability to form a diagnostic impression of disease based upon signs and symptoms

Domain C: Treatment Principle, Treatment Strategy, Disease Prevention, and Patient Education (35% of total exam)

Sub Domain C1: Formulate treatment principle and strategy based upon:
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- Knowledge and ability to formulate treatment principle
- Knowledge of when to use which therapeutic approach
- Knowledge of the contraindications of various modalities

C 1 (a): Oriental medicine disease diagnosis (Bian Bing) and pattern differentiation (Bian Zheng)

- Knowledge of Eight Principles theory
- Ability to determine and formulate treatment principle based upon Eight Principles theory
- Knowledge of Five Elements theory
- Ability to determine and formulate treatment principle based upon Five Elements theory

C 1 (b): Constitutional strength and weakness

- Knowledge of impact of constitutional strength/weakness on diseases and treatment

C 1 (c): Emotional/spiritual factors

- Ability to consider patient’s emotional/spiritual focus in formulating treatment strategy
- Knowledge of emotional/spiritual correlations with physical manifestations

C 1 (d): Seasonal/environmental factors

- Knowledge of impacts of seasonal and environmental factors on diseases and treatment
- Knowledge of the relevance of seasonal and environmental factors to health
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C 1 (e): Root and branch theory

- Ability to distinguish between root symptoms and branch symptoms
- Knowledge of root and branch theory relative to treatment principle

Sub Domain C2: Adjustment of treatment strategy, including consideration of patient’s (also applies to C2a – C2e)

- Knowledge of adverse effects, allergies and therapeutic contraindications associated with medications
- Knowledge of the healing process
- Ability to recognize positive and negative changes after treatment, and to understand their mechanisms
- Ability to make appropriate modifications to treatment plan based upon variations in patient’s progress

C 2 (a): Concurrent therapies and use of medications and supplements

- Knowledge of drug, drug-herb, and drug-food interactions
- Knowledge of impact of patients’ age (for example, neonates, geriatrics) in evaluating drug and no-drug therapy
- Ability to determine how medication and supplement use may impact patient’s treatment compliance
- Ability to determine how medication and supplement use may impact patient’s response to treatment

C 2 (b): Substance use, including smoking, alcohol, and recreational drugs

- Knowledge of the physiological effects of smoking, alcohol and substance abuse
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- Knowledge of the challenges and strategies of treatment for substance abuse
- Knowledge of the effect of alcohol, tobacco and recreational drugs on the body according to Chinese medical principles
- Ability to determine how substance use may impact patient’s treatment compliance
- Ability to determine how substance use may impact patient’s response to treatment

C 2 (c): Mental and/or emotional factors and significant life events

- Knowledge of emotional/spiritual correlations with physical manifestations
- Ability to determine how mental/emotional factors use may impact patient’s treatment compliance
- Ability to determine how mental/emotional factors may impact patient’s response to treatment

C 2 (d): Living circumstances, and family and social or other support systems

- Knowledge of information to be obtained from patient’s representative (for example demographic information, allergies, etc.)
- Ability to determine how living circumstances and support systems (or lack thereof) may impact patient’s treatment compliance
- Ability to determine how living circumstances and support systems (or lack thereof) may impact patient’s response to treatment

C 2 (e): Progress or response to treatment

- Knowledge of normal and abnormal progression of healing process
- Ability to adjust treatment based on progression of healing process
- Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and
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amelioration, and response to the treatment including both conventional and alternative medicine

- Knowledge oriental medical treatments for health conditions and expected changes in symptoms

Sub Domain C3: Disease prevention and patient education

C 3 (a): Oriental medicine theory

- Knowledge of theories of Chinese medicine
- Ability to communicate appropriate information for the patient’s level of understanding and experience

C 3 (b): Healing process and progression

- Ability to summarize the healing process in terms of the patient’s condition
- Knowledge of the healing process for the patient’s condition
- Ability to assess the progress of the patient’s condition
- Knowledge of the changes to be expected in the healing process and how to evaluate them
- Ability to communicate information appropriate to the patient’s condition and level of understanding and experience, including any important changes in health status

C 3 (c): Dietary principles (Oriental and Western)

- Knowledge of Oriental medicine and/or Western medicine dietary principles
- Ability to communicate information appropriate to the patient’s condition and level of understanding
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C 3 (d): Relaxation, breathing, meditation, exercise, and body mechanics

- Knowledge of relaxation, meditation and/or breathing techniques, TaiJi, Qigong including precautions
- Ability to demonstrate and facilitate relaxation, meditation and/or breathing techniques appropriate to the patient’s condition
- Ability to instruct the patients in relaxation, meditation and/or breathing techniques, TaiJi, Qigong appropriate to their condition

C 3 (e): Lifestyle recommendations and self-treatment techniques

- Knowledge of the effects of lifestyle on the patient’s condition
- Ability to communicate appropriate information for the patient’s level of understanding and experience
- Knowledge of self-acupressure, self-massage and other self-help techniques
- Ability to demonstrate self-acupressure, self-massage and other self-help techniques appropriate to the patient’s condition
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Asian Bodywork Therapy Examination Expanded Content Outline

This document serves as a guide to assist in examination preparation for candidates who have met NCCAOM eligibility requirements. Below is the content outline for the Asian Bodywork Therapy examination, along with the Knowledge, Skills, and Abilities (KSA) statements.

A. Practice Management (8% of total exam)

1. Obtain medical history and informed consent
   a. obtain client's identifying information
      - Knowledge of essential identification information required in a medical file
      b. obtain current condition, lifestyle, medical and family health history information
         1) occupation, exercises, stressors, and stress-relieving activities
         2) living situation, family, community support and risk factors
         3) mental and/or emotional factors and significant life events
         4) dietary habits and nutrition
         5) substance use, including smoking, alcohol, and recreational drugs
         6) prescription and non-prescription medications, herbs, and supplements
         7) history of Asian medicine treatment
         8) history of Western medicine treatment
         9) history of other health treatments and practices (e.g., Ayurvedic medicine, yoga, bodywork, meditation, etc.)
      - Ability to perform a comprehensive medical interview
      - Ability to obtain appropriate information regarding onset, frequency, severity, duration and functional changes, aggravation and amelioration, and response to the treatment including both conventional and alternative medicine
      - Knowledge of the relevance of common health conditions/biomedical diagnoses, their signs and symptoms and their progression
   c. informed consent, including HIPAA consent
      - Knowledge of the elements of informed consent
   d. client's comfort level with physical contact
      - Ability to properly inform the client regarding the nature of the physical contact associated with diagnosis and treatment
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2. Maintain appropriate records (e.g., SOAP notes)
   - Knowledge of essential information required in a medical file
   - Ability to record detailed progress notes after each treatment encounter
   - Knowledge of how long to legally keep records and how to properly dispose of them

3. Comply with legal, ethical and safety standards
   - Knowledge of the best practices regarding physical contact and informed consent
   - Knowledge of HIPAA policies and client privacy rights
   - Knowledge of OSHA policies

B. Assessment (10% of total exam)

Using traditional Oriental diagnostic techniques and methods to determine physiological status, pathologies, and patterns of disharmony

1. Asking
   a. nature, intensity, and location of pain, discomfort, or sensations (e.g., numbness or tingling)
      - Knowledge of the various qualities of pain, discomfort, or sensations and their associated patterns of disharmony
      - Knowledge of the organs, meridians, essential substances, and pathogenic factors that create and/or effect bodily sensations
      - Knowledge of abnormal bodily sensations and their associated patterns of disharmony
   b. cognitive processes (including memory)
      - Knowledge of the associations of cognitive processes with the organs, vital substances and meridians
   c. emotions and spirit
      - Knowledge of the associations of the emotions and spirit with the organs and meridians
   d. sleep patterns and difficulties
      - Knowledge of associations of sleep patterns with patterns of disharmony
      - Knowledge of essential substances and organs associated with sleep
   e. skin conditions
      - Knowledge of association of the skin with organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
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- Knowledge of patterns of disharmony associated with skin diseases including etiology and pathology
  
f. sensations of hot or cold, chills or fever
  - Knowledge of associations of hot, cold, chills and fever with patterns of disharmony
  
g. patterns and nature of perspiration or sweating
  - Knowledge of associations of perspiration conditions with patterns of disharmony
  
h. eyes and vision
  - Knowledge of associations of the eye and vision with organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
  - Ability to identify patterns of disharmony based on observation of eyes and vision
  
i. ears and hearing (e.g., tinnitus, hearing loss)
  - Knowledge of the organs, meridians and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit) that govern the function of the ears and hearing
  - Ability to recognize and identify patterns of disharmony based on signs and symptoms
  
j. nose, mouth, throat and teeth
  - Knowledge of the associations of the nose, mouth, throat and teeth with organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
  - Knowledge of pathological manifestations of the nose, mouth, throat and teeth and their association with patterns of disharmony
  
k. breathing and chest constriction
  - Knowledge of the organs, meridians, and essential substances that govern the chest (upper Jiao) and breathing
  - Knowledge of patterns of disharmony associated with pathological signs and symptoms of breathing and chest constriction
  
l. secretions and excretions (phlegm, sputum, etc.)
  - Knowledge of the organs, meridians, essential substances, and pathogenic factors that govern the formation and elimination of secretions and excretions (phlegm, sputum, saliva, etc.)
  
m. thirst, including temperature and taste preference of beverages
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- Ability to recognize patterns of disharmony based on patterns of thirst and temperature and taste preference of beverages
n. appetite and digestion (e.g., temperature, quantity and timing of meals)
- Knowledge of patterns of disharmony associated with abnormal appetite and digestion
o. preferences and cravings for tastes or flavors (salty, sour, sweet, pungent, bitter, etc.)
- Knowledge of associations of preferences and cravings for tastes and flavors with five elements, organs, meridians, status of the body growth and development, status of pregnancy, status of disorders
p. abdominal bloating or distress
- Knowledge of patterns of disharmony associated with abdominal bloating or distress
- Knowledge of identifications of abdominal bloating or distress based on the locations and dysfunctions of the organs, and on causative pathogens
q. bowel elimination (e.g., difficulty and frequency, gassiness, constipation, diarrhea, etc.) and characteristics of stool
- Knowledge of the elimination patterns associated with various disharmonies
- Knowledge of common symptoms and signs of bowel elimination, their causative factors and pathological basis, relations with patterns of disharmony
- Knowledge of patterns of disharmony associated with the various pathological characteristics of stools
r. urination (e.g., difficulty and frequency, burning sensations, etc.) and characteristics of urine
- Knowledge of organs, substances and meridians associated with urination
- Ability to recognize and identify patterns of disharmony based on pathological signs and symptoms of urination
s. urogenital pain or irregularities
- Knowledge of common qualities and manifestations of urogenital pain and irregularities
- Knowledge of patterns of disharmony associated with qualities and manifestations of urogenital pain and irregularities
t. male reproductive health (e.g., libido and sexual activity)
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- Knowledge of the organs and meridians associated with the male reproductive system
- Knowledge of characteristics of normal functioning of the male reproductive system
- Ability to recognize and identify patterns of disharmony based on pathological manifestations of male reproductive functioning

u. female reproductive health (e.g., libido and sexual activity; onset, timing and characteristics of menstruation; gynecological and obstetric history, including birth control methods, pregnancies, and births)

- Knowledge of the organs, essential substances and meridians associated with the female reproductive system
- Knowledge of the characteristics associated with normal menstruation, pregnancy and obstetrics
- Knowledge of the mechanisms and effects of common birth control methods
- Knowledge of patterns of disharmony associated with pathological signs and symptoms of female reproductive functioning
- Knowledge of signs and symptoms that can occur during the different phases of pregnancy and their pathological significance

2. Looking (observe and assess)

a. physical characteristics (movement, weight, expression/demeanor, and general behavior) according to traditional Chinese medicine (TCM) theory and practice

- Knowledge of the theories and practice of traditional Chinese medicine (TCM) on the physical characteristics (movement, weight, expression/demeanor and general behavior)

b. Shen (Spirit)

- Ability to evaluate Shen of client by observing outward manifestation
- Knowledge of manifestations of pathologies of the Shen and associated patterns of disharmony

c. face (e.g., shape, color/hue, complexion and luster)

- Knowledge of associations of the face with the organs, meridians, and other vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of pathological manifestations of color, moisture, texture, and organ indicative locations and their associated patterns of disharmony
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d. eyes
- Knowledge of associations of the eyes with the organs, meridians, and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of pathological manifestations of the eyes including color, moisture, states of movement, and their associated patterns of disharmony
e. nose, mouth, teeth and throat
- Knowledge of associations of the nose, mouth, teeth and throat with the organs, meridians, and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of pathological manifestations of the nose, mouth, teeth and throat including the color, moisture, texture, the associated patterns of disharmony
f. tongue (body and coating)
- Knowledge of associations of the tongue with the organs, meridians, and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of pathological manifestations of the tongue and tongue coating including color, size, moisture, texture, state of movement, organ indicative locations, and their associated patterns of disharmony
g. skin (e.g., tone, elasticity, dryness, color)
- Knowledge of associations of the skin with the organs, meridians, and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of examination of the skin regarding the color, moisture, texture, organ associations, and their relation to patterns of disharmony
h. abdomen
- Knowledge of anatomical locations and associations of the organs and meridians in the abdomen
- Knowledge of the association of abdominal symptoms and signs with patterns of disharmony
i. head, torso, limbs, hands, and feet
- Knowledge of the symptoms and signs of the head, torso, limbs, hands and feet with patterns of disharmony
j. secretions and excretion (phlegm, sputum, etc.)
- Knowledge of secretions and excretions (phlegm, sputum, saliva, etc.) regarding the origin, production, formation, pathological influence, and involved organs and meridians
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- Knowledge of the nature and pathology of secretions and excretions (phlegm, sputum, saliva, etc.) according to the color, thickness, odor, and combination with blood

k. hair and nails

- Ability to examine and assess the symptoms and signs of the hair and nails
- Knowledge of patterns of disharmony related to the symptoms and signs of the hair and nails
- Knowledge of associations of the hair, nails and hands with the organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)

3. Listening/Smelling

a. tonal qualities and strength of voice

- Knowledge of associations of the voice with the organs, meridians, and vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Knowledge of patterns of disharmony associated with and pathological tonal quality and strength of the voice

b. respiratory sounds [according to traditional Chinese medicine (TCM)]

- Knowledge of patterns of disharmony regarding abnormal respiratory sound

c. speech (quality, manner, pattern, themes, contents)

- Knowledge of patterns of disharmony regarding abnormal speech (quality, manner, pattern, themes, contents)

d. abdominal sounds

- Knowledge of associations of the abdominal sounds with the functions and dysfunctions of the organs and meridians regarding Qi movement, food digestive process, and water metabolism
- Knowledge of patterns of disharmony regarding abnormal abdominal sounds

e. joint sounds

- Knowledge of association of the joint sounds with the functions and dysfunctions of the organs, meridians, related muscles, sinews, body fluids, essence, and blood

f. general body odor

- Ability to assess general body odor to identify the natures of disharmony

Knowledge of the association of general body odor according to Five Element theory

g. breath and mouth odor
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- Ability to assess breath and mouth odors to identify the natures of disharmony

4. Touching (palpation)
   a. radial pulses, using traditional Chinese medicine (TCM) practice
      - Knowledge of the location of the radial pulses corresponding to specific organs
      - Knowledge of associations of the radial pulses with the organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
      - Knowledge of patterns of the radial pulses regarding the speed, depth, strength, shapes, and organ corresponding locations of both the normal states and pathological conditions
   b. areas of tenderness
      - Knowledge of associations of the body parts with organs, meridians, bones, vessels, muscles, sinews, skin regions, and Qi and Blood
      - Knowledge of patterns of disharmony associated with characteristics of pain, bodily sensations, (e.g., numbness, tingling, sensitivity), quality of tissue (e.g., hard/soft, supple/brittle), and temperature change
   c. abdomen/hara according to Japanese practice
      - Knowledge of the organ associations of the hara
      - Ability to determine Kyo/Empty – Jitsu/Full according to the hara organ associations
   d. abdomen according to traditional Chinese medicine (Nan Jing)
      - Knowledge of the organ associations of the abdomen according to the Nan Jing
      - Knowledge of patterns of disharmony associated with abnormal conditions of the abdomen assessed by palpation
   e. acupoints (e.g., channel, mu, shu, luo, yuan, transporting/antique, xi cleft, ashi)
      - Knowledge of acupoint groups
      - Ability to locate and palpate acupoints by anatomical landmarks and to hone the location by the sensation of Qi at the points
      - Knowledge of sensations of acupoints regarding etiology, pathology and indications of patterns of disharmony
   f. meridians
      - Knowledge of the anatomical and relative locations of the pathways of meridians and related tissues and organs
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- Ability to assess the condition of the meridians with regard to tenderness, pain and abnormal sensation (e.g., numbness, tingling, sensitivity), quality of tissue (e.g., hard/soft, supple/flaccid), temperature, etc.
- Knowledge of the pathological significance of abnormal or limited range of motion of joints and limbs on related meridians
- Skill to manipulate the limbs in specific ways appropriate to the client’s condition to determine the condition of the related meridians
  g. joints
- Ability to identify areas of restricted movement and assess functional integrity of joints
- Knowledge of associations of joints with organs, meridians, vital substances (Qi, Essence, Blood, Body Fluids, and Shen/Spirit)
- Skill to manipulate the joints in specific ways appropriate to the client’s condition to determine the condition of the related meridians

C. Analysis and Differentiation of Syndromes/Patterns (30% of total exam)

1. Primary syndrome or symptom (Zhu Zheng) and establish chief complaint(s)
   - Ability to find and determine the Zhu Zheng from all complaints including the chief complaint(s), symptoms and signs
   - Ability to identify the disease/imbalance pattern or category that most accurately encompasses and explains the client’s signs and symptoms

2. Evaluate signs and symptoms relative to:
   a. Five Elements (Five Phases/Wu Xing)
      - Knowledge of Five Element theory including correspondences, cycles, applications to physiology and relations to organs and meridians
      - Ability to recognize and categorize signs and symptoms according to Five Element patterns and theory
   b. Yin and Yang
      - Knowledge of the principles of Yin and Yang including definitions, associations and applications
      - Ability to recognize and categorize symptoms according to Yin-Yang theory
   c. Eight Principles
      - Knowledge of the Eight Principles including terminology, definitions and characteristics
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- Ability to identify Eight Principle patterns based on presenting signs and symptoms (including tongue and pulse)

d. Channel theory (Primary, Extraordinary, Divergent, Muscle, Connecting/Luo, collaterals, and Six Divisions)
   - Knowledge of the channels and collaterals, including channel pairings and flows, functions, anatomical location, distribution, and corresponding organs
   - Ability to recognize and categorize symptoms according to patterns of the channels and the collaterals
   - Knowledge of channel pathologies/imbalances and their manifestations
   - Ability to identify the disease/imbalance pattern or category that most accurately encompasses and explains the client’s signs and symptoms
   - Knowledge of the theory of Six Divisions differentiation including the terminology, definitions, relations of Six Divisions with meridians and organs, and interrelationships of the divisions
   - Ability to recognize and categorize client symptoms according to Six Divisions patterns and theory

e. Organ theory (Zang Fu, 12 Officials, Curious Organs)
   - Knowledge of Zang-Fu Organ Theory including terminology, physiological functions of organs, interrelationships, and correspondences with tissues, fluids, sense organs, emotions, and areas of the body
   - Knowledge of curious organs and their functions, locations and pathologies
   - Ability to recognize and categorize signs and symptoms according to Zang-Fu patterns and theory
   - Knowledge of correspondences with Western medical diagnoses
   - Knowledge of Zang-Fu Organ pathologies/imbalances including signs, symptoms, tongue and pulse

f. Essential substances (Qi, Blood/Xue, Fluids/Jinye, Essence/Jing, Spirit/Shen)
   - Knowledge of the theory of Essential substances (Qi, Blood, Body Fluids/Jinye, Essence/Jing, Spirit/Shen) including definitions, physiological functions, formations, interrelationships, relationship with organs and meridians
   - Knowledge of Essential substance pathologies/imbalances and their manifestations

g. Circadian rhythms/body clock and/or time of day
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- Knowledge of the theory of circadian rhythms/body clock
- Ability to recognize and categorize client symptoms according to circadian rhythms/body clock

h. Kyo/Empty – Jitsu/Full
- Knowledge of the theory of Kyo/Empty – Jitsu/Full
- Ability to recognize and categorize client symptoms according to Kyo/Empty – Jitsu/Full

i. Internal, external and other causes of disease [according to traditional Chinese medicine (TCM)]
- Knowledge of the Internal, External and Other causes of disease including terminologies, definitions, characteristics, manifestations, interrelationships, and effects on organs, meridians and vital substances
- Ability to recognize and categorize symptoms according to Internal, External and Other causes of disease

j. Six Stages of disease progression
- Knowledge of the theory of Six Stages differentiation including the terminology, definitions, relations of Six Stages with meridians and organs, and interrelationships of the stages
- Ability to recognize and categorize client symptoms according to Six Stages patterns and theory

k. San Jiao (Triple Heater)
- Knowledge of the theory of San Jiao (Triple Heater) differentiation including the terminology, definitions, relation of the three heaters with meridians and organs, and interrelationships of the heaters
- Ability to recognize and categorize client symptoms according to San Jiao differentiation

l. Four Levels (Wei, Qi, Ying, Xue)
- Knowledge of the theory of the Four Levels (Wei, Qi, Ying, Xue) differentiation, including terminology, definitions, relations of the four levels with meridians and organs, interrelationships of the levels
- Ability to recognize and categorize client symptoms according to Four Level differentiation

m. Syndromes (Wei or Bi)
- Knowledge of the theory of syndromes
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- Ability to recognize and categorize client symptoms according to syndromes
  
  n. Mechanism of disorders (Bing Ji)
  
  - Knowledge of the theories of the mechanism of disorders (Bing Ji) including the basic pathologic mechanism/mechanism of imbalance (Yin and Yang, Evil Qi and Genuine Qi, Qi and Blood, and Body Fluid), the pathological mechanism/mechanism of imbalance of exogenous febrile diseases (Six Meridians, Wei-Qi-Ying-Xue, Triple Heaters), the pathological mechanism/mechanism of imbalance of the seven endogenous evils, and the pathological mechanism/mechanism of imbalance of the Zang-Fu organs
  
  o. Root and Branch theory
  - Knowledge of the principle of root and branch (primary and secondary) including the definitions, indications, characteristics of the interrelationships

D. Treatment Principle (20% of total exam)

1. Formulate treatment principle using:
   - Knowledge of treatment principles generally suitable for each diagnosis/assessment
     a. Five Elements (Five Phases/Wu Xing)
        - Knowledge of traditional Chinese medicine (TCM) on the theory of Five Elements in identifying the treatment principle (e.g., son diseasing mother) and formulating strategy (e.g., reinforcing the mother and reducing the child)
        - Ability to identify the mechanism of imbalance in the client
     b. Yin and Yang
        - Ability to determine the treatment principle and strategy based on Yin and Yang
     c. Eight Principles
        - Ability to determine the treatment principle and strategy based on Eight Principles
     d. Channels
        - Ability to determine the treatment principle and strategy based on Channel imbalance
          1) Primary channels
          2) Extraordinary channels
          3) Divergent channels
          4) Muscle channels
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5) Connecting (Luo) channels and collaterals
6) Six Divisions
e. Organ theory (Zang Fu, 12 Officials)
   - Ability to determine the treatment principle and strategy based on Organ theory (Zang Fu)
f. Essential substances (Qi, Blood/Xue, Fluids/Jinye, Essence/Jing, Spirit/Shen)
   - Ability to determine the treatment principle and strategy based on the Essential substances
g. Circadian rhythms/body clock and/or time of day
   - Knowledge of impact of the time of day and the circadian rhythms on the body on treatment
h. Kyo/Empty – Jitsu/Full
   - Ability to determine the treatment principle and strategy based on Kyo/Empty – Jitsu/Full
i. Pathogenic Factors [according to traditional Chinese medicine (TCM)]
   - Knowledge of treatment principles relevant to pathogenic factors
j. Six Stages of disease progression
   - Knowledge of treatment principles relevant to the Six Stages of disease progression
k. Root and Branch theory
   - Knowledge of the principle of treating root and branch (primary and secondary) including the definitions, indications, characteristics of the interrelationships
l. Acupoints
   - Knowledge of acupoint groups, functions, locations, and indications
   - Ability to choose acupoint combinations to treat imbalances

E. Evaluation/Adjustment of Treatment (8% of total exam)
1. Reassessment of signs and symptoms
   - Assess the changes in client’s signs and symptoms relative to effectiveness of treatment
   - Ability to recognize positive and negative changes in the client during and/or after treatment and document them
2. Evaluation and revision of treatment plan
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- Ability to make appropriate modifications to treatment plan based upon variations in client’s progress

3. Client referral
- Knowledge of practitioners in other medical and health fields
- Skill to know when to refer clients to practitioners in other fields
  a. other Asian medicine practitioner
  b. Western medicine practitioner
  - Ability to determine if the nature of the condition is outside of scope of practice or if the client/client is in need of immediate emergency care
  - Knowledge of the ability to recognize potential signs of eating disorders and be able to discuss with client/client and make referral when appropriate
  c. other bodywork therapies
  d. mental health or social services
  - Knowledge of and ability to recognize potential signs of trauma, domestic violence, sexual abuse, elder abuse, etc. and discuss the matter with the client and make appropriate referral when warranted
  - Ability to recognize potential signs of emotional instability which may require medical intervention/referral
  e. substance use treatment
  - Knowledge of signs and symptoms of substance abuse
  f. other adjunctive therapies (e.g., yoga, meditation, etc.)

F. Client Education (10% of total exam)
1. Pre-treatment orientation
   - Ability to communicate to the client what they might expect during and after the treatment
2. Explanation
   - Ability to communicate appropriate information for the client’s level of understanding and experience
   - Ability to recognize the progression of disease of this client and begin to formulate client education instruction
     a. Asian medical theory
     b. healing process and affects on treatment
     c. body mechanics and ergonomics
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- Ability to summarize/advise proper body mechanics

3. Post-treatment instructions (self-care)
   a. Asian and Western dietary principles
      - Knowledge of dietary and nutritional influence on the body health conditions
      - Knowledge of Oriental medicine dietary principles
      - Knowledge of Western scientific dietary principles
   b. topical preparations
      - Knowledge of the indications for liniments, oils, salves, compresses and/or plasters and their contraindications
   c. mindful movement (e.g., Qi Gong, Tai Chi Chuan, meridian exercises, yoga)
      - Ability to instruct the client in mindful movement appropriate to their condition
   d. Western exercise methods (e.g. strength training, aerobics)
      - Knowledge of stretching and exercise appropriate to the client’s condition
   e. breathing, relaxation and meditation techniques
      - Knowledge of healthy amounts of rest verses activity, and the benefits of stress management activities
      - Skill in demonstrating the given breathing technique and guiding the client through the exercise
      - Ability to provide the client with instruction or resources to engage in relaxation or meditation techniques
   f. self-acupressure and self-massage
      - Knowledge of acupressure points and techniques of self-acupressure
      - Knowledge of self-massage techniques and ability to guide client through the techniques

G. Apply Treatment (14% of total exam)
   1. Treat acupoints and meridians (including treatment of points and meridians, body mechanics, client positioning and contraindications)
      - Ability to find acupoints and meridians using anatomical locations, traditional finger measurements and by sensing Qi at the point
      - Knowledge of proper practitioner body mechanics and body positioning involved in applying pressure to acupoints and meridians (relative to the style of ABT being used)
      - Knowledge of how to position the client for ease of treatment and client comfort
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- Knowledge of correct hand/finger placement involved in applying pressure to acupoints and meridians
- Skill at applying the pressure appropriate to the acupoints and meridians and the client’s condition
- Knowledge of acupoints and meridians at endangerment sites and precautions to take when applying pressure to them
- Knowledge of contraindicated acupoints and meridians relative to client’s disease or condition
- Knowledge of clinical indications of the techniques listed below
- Knowledge of finger/hand/arm movements involved in the application of the techniques listed below
- Knowledge of proper body mechanics and body positioning involved in the application of the techniques listed below
- Skill to adapt application of the techniques listed below based on client condition, client feedback or proprioceptive awareness
  a. hold
  b. press statically/perpendicular
  c. press in a circular fashion
  d. press rhythmically
  e. stretch
  f. palpate
  g. grasp/compress
  h. lightly stroke
  i. oscillate/vibrate
  j. chafe/stroke vigorously
  k. strike/percuss rhythmically
  l. pump
  m. pluck
  n. rock
  o. roll
  p. knead
2. Move joints (passive or active)
   - Knowledge of anatomical structure and physiology of the joints
   - Ability to assess imbalance (e.g., stagnation of Qi and blood)
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- Knowledge of the contraindications against moving the joints (e.g., inflammation, injury, etc.)
- Ability to assess the appropriateness of applying joint movement to the client’s condition
- Knowledge of appropriate body mechanics for the practitioner and client
- Ability to control hand, fingers, and arm movements
- Skill in proprioceptive awareness and the use of the hands
- Knowledge of possible clinical indication(s) for and/or expected outcome of these techniques
- Knowledge of the normal range of motion of each joint addressed.
- Skill at applying the appropriate movement and rhythm for the client
- Knowledge of the effects of pathology on joint movement

3. Perform cupping
   - Knowledge of the clinical indications for using cupping
   - Knowledge of best practices, risks, cleanliness and safety precautions
   - Ability to communicate with the patient/client about cupping and what to expect
   - Knowledge of the necessity of obtaining informed consent

4. Perform guasha
   - Knowledge of the clinical indications for using guasha
   - Knowledge of best practices, risks, cleanliness and safety precautions
   - Ability to communicate with the patient/client about guasha and what to expect
   - Knowledge of the necessity of obtaining informed consent

5. Apply external herbal preparations (e.g., liniments, salves, oils, compresses and/or plaster)
   - Knowledge of the energetic qualities and effects of said external preparations
   - Knowledge of treatment principles and action of herbal preparations used
   - Knowledge of the clinical indications for use and expected outcome of using an herbal preparation
   - Ability to communicate with the patient/client about external preparation including possible contraindications (e.g. known allergic reactions)
   - Knowledge of the necessity of obtaining informed consent
   - Knowledge of possible cautions or contraindications of external preparations
   - Knowledge of the indications for external preparations

6. Apply indirect moxibustion
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- Knowledge of the clinical indications for using indirect moxibustion
- Knowledge of best practices, risks, cleanliness and safety precautions
- Ability to communicate with the patient/client about indirect moxibustion, what to expect and possible contraindications
- Knowledge of the necessity obtaining informed consent
- Knowledge of possible cautions or contraindications of indirect moxibustion

7. Apply heat/cold (e.g., TDP lamp, hydrocollator pack, ice pack, heat pad)
- Knowledge of the clinical indications for Heat and Cold techniques
- Ability to distinguish the need for heat and cold
- Knowledge of best practices, risks, cleanliness and safety precautions
- Knowledge of possible cautions or contraindications of the use of heat or cold
- Ability to communicate with patient/client what to expect
- Skill in communicating to the patient/client when the patient should give feedback regarding discomfort of heat or cold

8. Use guided imagery/visualization and/or breathing
- Knowledge of the internal and external channel pathways
- Knowledge of breathing/visualization techniques that assist the flow of Qi during treatment
- Knowledge of guided imagery/visualization and/or breathing techniques
- Ability to choose appropriate guided imagery/visualization and/or breathing techniques for the client’s condition
- Ability to guide the client in appropriate techniques