

Appendices

Appendix 1 Integration of Chinese Medicine Tradition in Medical Education Questionnaire

Instructions: Please complete the following questionnaire by selecting the appropriate response for each statement and answering the open-ended questions to the best of your ability. All responses are confidential and will be used solely for educational research purposes.

Section A: Demographics

Age: _____

Gender:

(1) Male _____

(2) Female _____

(3) Prefer not to say _____

Role:

(4) Medical Student _____

(5) Faculty Member _____

Year of Study/Teaching: _____

Have you had previous exposure to the integration of traditional Chinese medicine and western medicine education curriculum prior to this curriculum?

Yes _____

No _____

Section B: Likert Scale Items

For the following statements, please indicate your level of agreement:

1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4 = Agree, 5 = Strongly Agree

(6) The integration of traditional Chinese medicine and western medicine education into the curriculum enriches clinical understanding. _____

(7) The integration of traditional Chinese medicine and western medicine education into the curriculum complements evidence-based medical practices. _____

(8) The Chinese medicine philosophy has improved my communication with patients. _____

(9) Learning about Chinese medicine tradition has increased my interest in medical humanities. _____

(10) The language education component of the curriculum has enhanced my ability to understand and apply Chinese medicine tradition concepts. _____

(11) The integration of traditional Chinese medicine and western medicine education into the curriculum is relevant for modern healthcare. _____

(12) I feel confident in applying Chinese medicine tradition and philosophy concepts to clinical problem-solving. _____

(13) The curriculum has prepared me to consider cultural perspectives in patient care. _____

(14) I believe Chinese medicine tradition and philosophy should be integrated into other areas of medical training. _____

(15) The resources provided for learning Chinese medicine tradition and philosophy were adequate and accessible. _____

(16) I would recommend the inclusion of Chinese medicine tradition and philosophy to other medical institutions. _____

(17) I have observed positive outcomes in patient care due to the application of Chinese medicine

tradition and philosophy. ____

- (18) Chinese medicine tradition and philosophy have influenced my perspective on health and illness. ____
- (19) The training on Chinese medicine tradition and philosophy was effectively delivered by the faculty. ____
- (20) There are clear ethical benefits to incorporating Chinese medicine tradition into medical practice. ____

Section C: Open-Ended Questions

- (1) In your opinion, what are the most valuable aspects of incorporating western and Chinese medical thoughts into medical education?
- (2) Have you encountered any challenges with the integration of western and Chinese medical thoughts into the curriculum? If so, please describe them.
- (3) How do you apply Chinese medicine tradition and philosophy in your clinical practice or teaching, and what impact has it had?
- (4) Can you provide an example where Chinese medicine tradition and philosophy directly influenced a clinical decision or patient interaction?
- (5) What suggestions do you have for improving the integration of Chinese medicine tradition and philosophy into medical education?

Appendix 2 Interview Questions

- (1) How do you perceive the value of integrating traditional Chinese medicine in modern medical education and practice?
- (2) Can you describe any challenges you have encountered while adapting to the integrative curriculum?
- (3) In what ways has the integrative approach influenced your understanding of patient care?
- (4) What improvements would you suggest for the integration of traditional Chinese medicine and western medicine education into the curriculum?
- (5) How does the the integration of traditional Chinese medicine and western medicine education into the curriculum influence language education compared to traditional medical English courses you have experienced?

Appendix 3 Pre and Post test Essay Questions

Pre-Test Essay Question

Language and Culture in Patient Interaction

Imagine you are a medical professional who has just encountered a news article that portrays traditional Chinese medicine negatively compared to Western medicine. The next day, a patient who has read this article comes to you with concerns about the traditional Chinese treatments they are receiving. Write an essay describing how you would address the patient's concerns. In your response, consider the following:

1. How would you explain the role of media language in shaping public opinion about different medical systems?
2. What strategies would you employ to ensure clear, culturally sensitive communication with your patient?
3. Discuss how you would balance respecting the patient's cultural beliefs with providing evidence-based medical advice.

Your essay should reflect an understanding of the potential influence of media discourse on patient perspectives and demonstrate how sensitive communication is vital in healthcare.

Post-Test Essay Question

Language and Culture in Patient Interaction

You are a healthcare provider and have come across a recent discussion in the media that has sparked debate among patients regarding the effectiveness of traditional Chinese medicine versus Western medical approaches. A patient, influenced by this debate, is now hesitant to continue their complementary traditional treatment. Write an essay on how you would engage with the patient, including:

1. Your approach to discussing the influence of language in media on public perception and patient decision-making.
2. The methods you would use to provide culturally competent care and promote understanding.
3. How you would integrate evidence-based medicine with the patient's traditional healthcare practices.

In your essay, use specific examples from the media discussion to illustrate how language can affect healthcare decisions and highlight the importance of culturally sensitive patient-provider communication.

Appendix 4 The Scoring Rubric in a patient care simulation performance

Performance Criteria	Excellent (4 points)	Good (3 points)	Fair (2 points)	Poor (1 point)	Unsatisfactory (0 points)
Medical Knowledge	Demonstrates superior understanding of both traditional and Western medical diagnostics and treatments; accurate case analysis.	Demonstrates good understanding of medical concepts; mostly accurate case analysis.	Shows basic understanding of medical concepts; some inaccuracies in case analysis.	Limited understanding of medical concepts; several inaccuracies in case analysis.	Lacks understanding of medical concepts; case analysis is incorrect or missing.
Communication Skills	Communicates clearly and effectively with patients; excellent use of language and medical terminology.	Communicates well with patients; good use of language and terminology.	Communication with patients is adequate; some misuse of language or terminology.	Has difficulty communicating with patients; frequent misuse of language or terminology.	Unable to communicate effectively with patients; improper use of language and terminology.
Cultural Sensitivity and Mediation	Shows exceptional cultural understanding and effectively mediates between different healthcare perspectives.	Shows good cultural understanding and mediates well between healthcare perspectives.	Shows some cultural understanding; mediation between healthcare perspectives is adequate.	Shows limited cultural understanding; has difficulty mediating between healthcare perspectives.	Lacks cultural understanding; unable to mediate between healthcare perspectives.
Clinical Reasoning and Decision-Making	Demonstrates excellent clinical reasoning and makes informed, effective decisions.	Demonstrates good clinical reasoning and mostly effective decision-making.	Clinical reasoning is basic; some decisions are effective.	Clinical reasoning is limited; decisions are often ineffective.	Lacks clinical reasoning ability; decisions are incorrect or harmful.
Professionalism and Ethical Considerations	Consistently displays professionalism and adheres to ethical guidelines in all interactions.	Generally displays professionalism and adheres to ethical guidelines.	Displays professionalism and ethical consideration inconsistently.	Frequently unprofessional and occasionally violates ethical guidelines.	Unprofessional and regularly violates ethical guidelines.

Performance Criteria	Excellent (4 points)	Good (3 points)	Fair (2 points)	Poor (1 point)	Unsatisfactory (0 points)
Patient Engagement and Empathy	Engages with patients empathetically, ensuring comfort and understanding.	Engages with patients with a good level of empathy.	Some engagement with patients, but lacks depth of empathy.	Limited engagement with patients and minimal empathy.	Does not engage with patients empathetically.
Teamwork and Interdisciplinary Collaboration	Excels in working within an interdisciplinary team, contributing to and enhancing team dynamics.	Works well within a team, with good contributions to team dynamics.	Adequate teamwork but limited contributions to team dynamics.	Difficulty working within a team; negatively affects team dynamics.	Unable to work within a team; disrupts team dynamics.
Adaptability and Problem-Solving	Highly adaptable to new situations; solves complex problems efficiently.	Adapts well to new situations; good problem-solving skills.	Shows limited adaptability; solves some problems adequately.	Struggles with adaptability; has difficulty solving problems.	Cannot adapt to new situations; unable to solve problems.

- 1) This rubric is designed to be used by the international students acting as patients and community members to assess the medical students' performance;
- 2) Each evaluator would score the students based on their observations during the simulation, with a possible score range from 0 to 4 for each criterion;
- 3) The total score for each student would then be the sum of these individual criterion scores. The maximum possible score for a student would be $8 \times 4 = 32$ points if they received an "Excellent" rating in every category.