

Sigma Theta Tau International's 24th International Nursing Research Congress

Development of Yin-Xu Body Constitution Questionnaire in Traditional Chinese Medicine

Jun-Dai Lin, RN, PhD

Nursing department, Jen-Teh Junior College of Medicine, Nursing and management, Hou-Loung Town, Miaoli, Taiwan

Li-Li Chen, PhD, RN

School of Nursing, China Medical University, Taichung, Taiwan

Purpose: The purpose of this study is to develop a Yin-blood-Xu Constitution Questionnaire (BCQ-), and test its reliability and validity

Methods: The questionnaire of BCQ- was developed using a step-by-step approach: 1) to form the research team and select a panel of 38 experts who had both MM and TCM educational background and professional training for Delphi method; to generate questionnaire items from literature review and Delphi process, refine these items to be colloquially acceptable, and evaluate their face and content validity by Delphi process again; 2) to evaluate the difficulty of answering these questions by pilot study with 81 subjects whose age were between 20-60; 3) eight hundred and twenty one eligible participants, aged between 20-60, no disease onset in the past month, and receiving health examination in teaching hospitals were recruited to test the reliability and validity; 4) criterion-related validity was approval by 150 subjects

Results: Nineteen out of the 22 items from BCQ- were developed. Exploratory factor analysis identified 5 domains that represent and correspond to the manifestations of the diminishing material level in 5 different body areas: Yin-blood-Xu in the head, four limbs, gastrointestinal tract, body surface, and abdominal cavity. The Cronbach's coefficient alpha (α) ranged from 0.57-0.77 and the intraclass correlation coefficients were greater than 0.7 for most of the 19 questions. The concurrent validity for BCQ- in TCM physiology and Hemoglobin showed consistent agreements.

Conclusion: Five domains with 19 items in BCQ- were developed. BCQ- is a valid and potentially useful tool for evaluating the Yin-blood-Xu constitution in clinical practices and researches.

Title: Development of Yin-Xu Body Constitution Questionnaire in Traditional Chinese Medicine

Submitter's E-mail Address: jclin718@yahoo.com.tw

Abstract Describes: Completed Work/Project

Preferred Presentation Format: Either poster or podium

Learning Objectives #1: The learner will be able to know a new tool to evaluate Ying-Xu body constitution in Traditional Chinese Medicine.

Learning Objectives #2: The learner will be able to understand the measurement items in Ying-Xu body constitution in Traditional Chinese Medicine.

Purpose/Target Audience: The purpose/target audience of this presentation is the people who are interested in Alternative Medicine, or the people who are seeking a measure tool in body constitution.

Keywords: Body constitution, Questionnaire and Traditional Chinese Medicine

References: 1.Su YC, Chen LL, Lin JD, Lin JS, Huang YC, Lai JS. BCQ+: a body constitution questionnaire to assess Yang-Xu. Part I: establishment of a first final version through a Delphi process. Forsch Komplementmed. 2008 Dec;15 (5):327-34. 2.Chen LL, Lin JS, Lin JD, Chang CH, Kuo HW, Liang WM, Su YC. BCQ+: a body constitution questionnaire to assess Yang-Xu. Part II: Evaluation of reliability and validity. Forsch Komplementmed. 2009 Feb;16 (1):20-7.

Topic Selection: Surveys and Questionnaires to Enhance Patient Care

Slot: L 12: Thursday, 26 July 2013: 3:15 PM-4:30 PM

Scheduled Time: 3:15 PM

First Presenting Author

Presenting Author

Jun-Dai Lin, RN, PhD

Email: jclin718@yahoo.com.tw -- Will not be published

Alternate Email: jclin@jente.edu.tw -- Will not be published