

Reliability and Exploratory Factor Analysis of the Cardiac Patients Learning needs Inventor in Thai Version

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This research is a descriptive study. Purpose of study is investigated the reliability and exploratory factor analysis of Thai version for the cardiac patients learning needs inventory. It is the evidence base to be used in the context that is suitable for Thai people relying on the standardized translation process. Forward translations from original to Thai version. And then check the content validity by 5 experts. The reliability of translated Thai version was examined by distributing questionnaire to 150 patients with diagnosed with acute myocardial infraction, hospitalized at the coronary intensive care unit of a publish hospital in Bangkok, Thailand. The questionnaire was statistical analysis for the reliability and exploratory factor analysis.

The result of this study found that Internal consistency was estimated based on Cronbach's alpha coefficient of the cardiac patients learning needs inventory in Thai version total scale was 0.95, While for each domain were 0.91, 0.95, 0.94, 0.89, 0.92, 0.95, 0.86 and 0.66 in respectively. That it's achieved good level of reliability. The results of the exploration factor analysis by using Kaiser-Myer-Olkin's measures of sampling adequacy (KMO) was .91 Bartlett's test of sphericity statistics showed that the chi-Square (χ^2) statistics used in the test of 6346.19, which had a statistically significant level at the level of .05. The elements can be extracted in 7 domains. The Variance Initial Eigen value was 60.47%. All of domains were Factor loading more than 0.5. Finally, the research demonstrated that the translated of the cardiac patients learning needs is suitable for use in Thai patients with cardiovascular disease.

Biography

Pachanut Nunthaitaweekul has completed her Ph.D. from Faculty of Nursing, Chulalongkorn University, Thailand (2012). She is the Lecturer at the Faculty of Nursing and specific in adult and gerontology nursing (2005-present). She was Adjunct Faculty, school of nursing, University of Minnesota, USA (2009-2012). She has published more than 15 papers in reputed journals and has been serving as an editorial board member of repute. She is a consultant in Routing two Research (R2R) for Police hospital, Thailand. She has expert and researches interesting focus in Cardiovascular nursing, orthopedic nursing, risk behaviors with NCD patients, pain management concept Alternative and complementary care, innovation care nursing and Emergency and Disaster management

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