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Development and Validation of the Body Image Scale among Thai Breast Cancer Patients

Dolrudee Songtish, Prakobkiat Hirunwiwatkul

Abstract

Objective: To examine the psychometric property of the Thai version of the Body Image Scale (BIS) in breast cancer patients in Thailand.

Material and Method: The authors conducted a cross-culture translation of the BIS into the Thai language and administered it to 242 breast cancer patients who had surgery and had completed chemo-radiation for more than one year.

Results: The present study confirmed a good reliability and validity of Thai version of BIS. The questionnaire has high internal and external consistency; Cronbach's alpha was above 0.8 and test-retest reliability was more than 0.7. Content validity was confirmed by expert opinion and cognitive interview with breast cancer patients. Construct validity was examined though factor analysis showed a single-factor solution which excludes one item from the original 10-item scale. Discriminant validity which confirmed by different score between mastectomy and breast conserving surgery group and good response prevalence also supported the clinical validity of the test.

Conclusion: Thai version of the BIS showed a good psychometric property and can be used as a patient-physician communication and quality of life evaluation tool after breast cancer treatment in Thai women.

Keywords: Body image, Quality of life, Breast cancer, Thai version

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The Medical Association of Thailand

Address: 4th Floor, Royal Golden Jubilee Building, 2 Soi Soorvijai, New Petchburi Road, Bangkok 10310, Thailand

Telephone: 0-2716-6102, 0-2716-6962 press 0 Fax: 0-2314-6305

E-mail: jmedassocthai@yahoo.com, math@loxinfo.co.th 