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Psychometric properties of Persian language version of the Female Sexual Function Index (P-FSFI) among postmenopausal women

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Abstract

OBJECTIVE: The present research aimed to evaluate the psychometric properties of the Persian language version of the Female Sexual Function Index (P-FSFI) among the postmenopausal women.

MATERIAL AND METHODS: This secondary analysis examined 402 healthy postmenopausal Iranian women presenting to healthcare centers across Iran. Sampling method was convenience. The translation of the FSFI and its cross-cultural adaptation were conducted under the guidelines proposed by Beaton. The reliability (Cronbach's alpha coefficient and test-retest reliability) and construct validity (confirmatory factor analysis) were assessed. Model fitting

index (such as the root mean square error of approximation (RMSEA), the goodness of fit index (GFI) and the Comparative Fit Index (CFI)) was calculated.

RESULTS: The mean age of the study participants was 53.63 ± 7.8 years. Test-retest reliability was high for both the entire scale ($r=0.964$; $P<0.001$) and its six dimensions ($0.76-0.94$; $P<0.001$). The Cronbach's alpha of the entire scale and its dimensions was greater than 0.80. The original six-factor was used, which showed a relatively poor fit ($\chi^2=667.054$; $P<0.001$; $\chi^2/df=4.86$; $GFI=0.92$; $RMSEA=0.98$; $GFI=0.85$). After adding three correlated error terms to the six-factor model, an acceptable fit was obtained ($\chi^2=470.542$; $P<0.001$; $\chi^2/df=3.51$; $CFI=0.95$; $RMSEA=0.79$; $GFI=0.89$).

CONCLUSION: According to our results, the FSFI tool indicated a satisfactory fit for six factor model as similar to the original English version to employ in clinical practices and researches regarding healthy postmenopausal Iranian women. More research needs to be conducted on this scale to assess all of its psychometric properties.

KEYWORDS: Female Sexual Function Index; Psychometric Properties; Confirmatory Factor analysis

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