

Abstract

Original Article

The Copenhagen Multi-centre Psychosocial Infertility (COMPI) Fertility Problem Stress and Coping Strategy Scales: A psychometric Validation Study in Turkish Infertile Couples

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Abstract

Background: There are no scales in Turkey to determine the stress occurring as a result of infertility and infertility treatment and the methods of coping with it.

Aim: This study aim was to evaluate the psychometric validation of The Copenhagen Multi-centre Psychosocial Infertility (COMPI) Fertility Problem Stress Scales and Coping Strategy Scales in infertile couples in Turkey.

Methodology: The validity and reliability studies of The COMPI Fertility Problem Stress Scales and Coping Strategy Scales were carried out in 206 infertile couples (N = 412) between January 2010 and January 2011. The translate-retranslate method was used to determine language in both scales. Confirmatory factor analyses were performed to determine the structural validity of scale. Reliability of the scale was determined with the test-retest reliability and, Cronbach's alpha coefficients and discriminant validity of scale was also investigated.

Results: Cronbach's alpha scores, for the three subscales of COMPI Fertility Problem Stress Scales in women and men for the personal domain, were 0.82, 0.83 and 0.83; for the marital domain were 0.75, 0.68 and 0.72; and for the social domain were 0.78, 0.86 and 0.81. Cronbach's alpha scores for the four subscales of COMPI Coping Strategy Scales for active-avoidance were 0.67 in women and 0.65 in men; for active-confronting were 0.68 in women, and 0.70 in men; for passive-avoidance were 0.62 in women and 0.58 in men; for meaning-based coping were 0.70 in women and 0.68 in men.

Conclusion: Factor analysis confirmed that the scales were in accordance with their original forms. It can be concluded that these measurement scales have good validity and reliability when used for infertile couples in Turkey.

Keywords: infertility stress, coping, instrument development, infertility nursing