

Validity and reliability study of the Turkish version of the Pregnancy-Related Empowerment Scale

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ABSTRACT

Purpose: This study was conducted to determine the validity and reliability of the Turkish version of the Pregnancy-Related Empowerment Scale.

Materials and methods: The methodological study was carried out with 202 pregnant women who applied to the pregnancy polyclinic of a state hospital affiliated with the Ministry of Health in Izmir between June 1 and December 31, 2020. Primarily, the language validity of the scale was ensured. Content validity was achieved using the Davis technique. Exploratory factor analysis, confirmatory factor analysis, Cronbach Alpha reliability coefficient, item-total correlation, and test-retest were performed for the validity and reliability of the scale.

Results: In the study, all scale items' content validity index (CVI) values were above 0.80. After the exploratory factor analysis, the 5th, 6th, and seventh items of the original scale were excluded because of

overlapping. The scale was reduced to 13 items gathered under four factors (provider connectedness, skillful decision making, peer connectedness, gaining Voice). The Pregnancy-Related Empowerment Scale explained 80.12% of the total Variance. Kaiser-Meyer-Olkin value was 0.882; Bartlett's Test of sphericity was determined as $\chi^2=1900.285$. The total Cronbach Alpha reliability coefficient was $\alpha=0.917$. It was observed that repeated measurements were correlated, and consistent results were obtained in the intervening time ($p<0.05$). As a result of the item-total correlation test, the correlation scores were found to vary between 0.626 and 0.860.

Conclusions: The 13-item Pregnancy-Related Empowerment Scale was determined to be a valid and reliable measurement tool for Turkish society.

Keywords: Validity, reliability, scale Pregnancy, empowerment, Prenatal care, Nursing

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