Validation of a Pediatric Nurse Parent Partnership Scale for Pediatric Nurse

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Purpose: Pediatric nurse-parent partnership is a crucial topic in pediatric nursing practice and its conceptualization has received increased attention. The lack of research on measuring the pediatric nurse-parent partnership for pediatric nurses highlights the importance of developing a measurement tool to identify such partnerships in pediatric nursing. This study aimed to validate the Pediatric Nurse Parent Partnership Scale (PNPPS) and assess its psychometric properties.

Methods: The 34 preliminary items were extracted from a previous study. The scale was tested on 236 pediatric nurses working at four hospitals in South Korea in 2019. Collected data were analyzed through explanatory factory analysis (EFA) and confirmatory factor analysis (CFA) using SPSS 25.0 and AMOS 26.0. Cronbach’s alpha was calculated to determine internal consistency reliability. Construction validity, criterion-related validity, and discriminative validity were evaluated using CFA. Nursing professionalism values and compassion competence were used to evaluate criterion-related validity.

Results: This process resulted in a preliminary scale comprising 34 items. Using item analysis and EFA, we selected 19 items composed of five factors. The PNPPS for pediatric nurses showed that CFA supported the five-factor structure (reciprocity, professional knowledge and skill, communication, cautiousness, sensitivity). The items for the five factors identified explained 64.4% of the total variance in PNPPS. CFA verified the model fit as well as the convergent and discriminant validity of the final items, while criterion-related validity was confirmed with the positive correlation with nursing professionalism values. The overall scale reliability had a Cronbach’s α= .87, which indicated internal consistency and reliability.

Conclusion: The PNPPS is a reliable and valid questionnaire to measure pediatric nurses-reported partnerships between themselves and parents in acute clinical settings. The PNPPS for pediatric nurses is a simple, useful scale to assess pediatric nurse-parent partnerships in pediatric nursing. It also will provide information that may be useful to registered pediatric nurses, nurse managers, and hospital administrators.

Title:
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Keywords:
Child, Nurses, Pediatric and Parents
Abstract Summary:
This study aimed to validate the Pediatric Nurse Parent Partnership Scale (PNPPS) and assess its psychometric properties for pediatric nurses. The final PNPPS comprised 19 items and showed that the confirmatory factor analysis (CFA) supported the five-factor structure (reciprocity, professional knowledge and skill, sensitivity, information sharing, and communication).

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