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Construct validity and reliability of the Korean version of the environmental reality shock

Eun Young Kim
Dong-A University, South Korea

The first year of a newly graduated nurses' practice has been identified as the most difficult time in their career. Newly graduated nurses have experienced a distorted perception of reality. At that time, they have feelings of anger, disappointment, anxiety, and depression. Reality shock describes a process of professional acculturation to nursing practice. Reality shock is a form of culture shock specific to newly graduated nurses adjusting to the environment of a hospital. The purpose of this study was to develop and test the validity and reliability of the Korean version of the Environmental Reality Shock (ERS) instrument measuring reality shock of newly graduated nurses. The Korean version of ERS was developed through forward-backward translation techniques, and revision based on feedback from in-depth interviews with newly graduated nurses. Content validation of the items was established by nurse professors and nurse administrators. An internal consistency reliability and construct validity using exploratory and confirmatory factor analysis were conducted by SPSS WIN (21.0) and AMOS (10.0). Survey data were collected from 216 newly graduated nurses who worked at 15 acute care hospitals in Busan, Ulsan, Daegu, South Korea. The findings of this study demonstrate that the Korean version of ERS has reliable internal consistency with a Cronbach's alpha of the total scale of 0.91. From the factor analysis, 20 significant items in 5 subscales were derived. The subscales were named job, relationship, expectation, private life, and performance. Factor loadings of the 20 items of 5 subscales ranged from 0.444 to 0.867. The 5 subscales model was validated by confirmatory factor analysis (SRMR=0.06, GFI=0.87, AGFI=0.83, NFI=0.82, NNFI=0.86, CFI=0.88, RMSEA=0.075). This study confirms that the Korean version of ERS has satisfactory construct validity and reliability to measure reality shock of newly graduated nurses of hospitals in Korea. Nurse professionals may use the ERS for newly graduated nurses both in practice and research.

Biography

Eun Young Kim has completed her MPH and PhD from Seoul National University and Post-doctoral studies from Johns Hopkins University School of Nursing. She is working as an Associate Professor in Dong-A University in South Korea. She is a visiting scholar in University of North Carolina. She has published more than 20 papers in reputed journals.

eykim@dau.ac.kr

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