



Validity and Reliability of Pain Assessment Tool for Bangladeshi Children

Rowsan Ara

Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh

Abstract

Background: Pain is one of the most common and feared symptoms of children with cancer and their family caregivers or parents. The Faces Pain Scale- Revised (FPS-R) is a self-report measure of pain intensity scale to assess pain in children. **Objectives:** To assess the validity and reliability of FPS-R for Bangladeshi children. **Methodology:** A methodological study design was conducted among 84 child with cancer and 84 family caregivers recruited conveniently from Dhaka Medical College Hospital (DMCH) and Bangabandhu Sheikh Mujib Medical University (BSMMU), Bangladesh. A self-report tool, FPS-R was used by children to measure their pain and Numeric Rating Scale (NRS) was used by the parents to measure their child's pain. Face to face interview was conducted to collect data through semi-structured questionnaire. Descriptive statistics, t-test, ANOVA, Pearson's correlation coefficient, were used for data analysis. **Results:** The mean age of children was 5.73 years with SD \pm 1.60. Majority 64.3% of the child's current diagnosis was Acute Lymphoblastic Leukemia. FPS-R scores correlated with parent scores using NRS ($r=0.77$, $p<0.001$) suggested good validity. Test-retest reliability of FPS-R was supported by strong correlations ($r=.93$, $p<0.001$) suggested excellent reliability. **Conclusion:** We can conclude, FPS-R as a valid and reliable tool for the child with cancer to assess pain. Dissemination and broader application of the FPS-R tool in Bangladesh could improve pediatric pain evaluation and in relieving their pain suffering. **Keywords:** Validity, Reliability, Pain Assessment Tool, Cancer.

Biography

Rowsan Ara is a Senior Staff Nurse at Shaheed Suhrawardy Medical College hospital works as a bedside ICU nurse, infection prevention & control team leader. She is a faculty of Children's Palliative Care Initiative Bangladesh. Rowsan has worked as a palliative care nurse in Bangabandhu Sheikh Mujib Medical University (BSMMU). Rowsan completed MSN and MPH both from BSMMU. Rowsan conducted Researches including "Validity and Reliability of Pain Assessment Tool for Bangladeshi Children" in NIANER, Mugda, Dhaka; "Factors Affecting Nursing Care of Burn Patients: Nurses' and Patients' Perceptions" in Nursing Research Cell, Mohakhali, Dhaka; "Management of Palliative Care Services of BSMMU" in NIPSOM, Mohakhali, Dhaka; "Awareness of palliative care nursing amongst the nurses in the cancer hospital" – College of Nursing, Mohakhali, Dhaka.

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