

DEVELOPMENT OF A CLINICAL PROCEDURAL COMPETENCY EVALUATION TOOL (CPCET) FOR PULMONARY TOILETTE ON PEDIATRIC RESPIRATORY THERAPISTS

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ABSTRACT

This descriptive-developmental design aimed to develop and validate the Clinical Procedural Competency Evaluation Tool (CPCET) on pulmonary toilette among pediatric respiratory therapists. Data collection involved 22 respiratory therapists responding to a self-made structured questionnaire to determine the current practices, challenges and barriers for evaluating competency. Likewise, a self-made CPCET was developed and validated in collaboration with subject matter experts including pediatric respiratory therapists, pediatric clinicians and clinical educators ensuring relevance and validity of the tool's set competencies. Results revealed that the current practice proved to be structured and proactive though the prominent challenges include lack of standardized tool, time constraints in clinical practice and variability in patient presentation. The gathered Content Validity Index (CVI) values (0.99 – 1.0) confirmed the high relevance of the tool's components. Whereas, the inter-rater reliability testing using Cohen's Kappa, resulted in fair to moderate agreement across competency domains (Aerosol Therapy: 0.424, Chest Physiotherapy: 0.362, and In-Line Suctioning: 0.448) suggestive of subjective performance evaluations of the raters which earmarked improvement on evaluation practices. The study concluded that the developed and validated CPCET addressed the identified gaps in the current evaluation practices providing a reliable structured framework in the performance evaluation system among pediatric respiratory therapists. Thus, supporting continuous professional development and improving the quality of pediatric respiratory care commensurate to the best health outcome for the Filipino children and proficiency of health care workers specifically Filipino Pediatric Respiratory Therapists.

Keywords: Pediatric respiratory therapist, pulmonary toilette, clinical procedural competency evaluation tool