Identifying malnutrition prevalence of pediatric ICU patients using SGNA Re-Scoring method in Indonesia's tertiary level hospital

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Abstract

There are 5 malnutrition levels of the Subjective Global Nutrition Assessment (SGNA) Re-Scoring Method based on its total score; normal (score 0-7), mild (score 8-14), moderate (score 15-21), moderate-severe (score22-28) and severe malnutrition (score 29-36). Currently, this SGNA method has been applied to determine malnutrition prevalence in various types of pediatric patients at particular hospital. In non-critically ill and chronic patients' prevalence are between 63-70%. Therefore, aim of study was to identify malnutrition prevalence in critical illness patients using the novel scoring method. Conducting a cross-sectional study in PICU of 6-month time of frame from July to December 2018, there were 282 subjects satisfied the inclusion criteria. Subjects were two-third (66.7%) boys and a third (33.3%) girls with composition of infant, schooler and preschooler age groups shared similar percentage (30.5%, 27.6%, 20.6%) while toddler and teenager the remain (14.2%, 7.7%). Medical diagnosis was twice as surgical for PICU admission reasons (66.7%, 33.3%) with 58.9% of subjects had LOS for less than 3 days. Subjects nutritional status were at undernourished (41%) while malnutrition prevalence was identified in 96.5% of total subjects; 16.7% mild, 38% moderate, 34.4% moderate-severe and 7.4% severe. Malnutrition is prevalent in pediatric critically ill patients which was significantly high compared with non-critically ill and chronic patients. This challenges pediatric RDs in Indonesia providing nutrition care and therapy in intensive care unit to advance their patients' health status respectively.

Biography:

Lora Sri Nofi has completed her Post Graduated Diploma in Human Nutrition from University of Canberra and Master of Nutrition and Dietetics from Edith Cowan University, Australia.

She is the head of Pediatric Nutrition and Dietetics Service in Cipto Mangunkusumo Hospital, a top national refferal hospital in Indonesia. She has participated in various scientific events and shared her operational research in pediatric malnutrition as her most interest.'