

ABSTRACT

THE EFFECT OF PARENTAL FEEDING STYLE ON NUTRITIONAL STATUS AND CLINICAL OUTCOME OF CRITICALLY ILL CHILDREN IN PICU RSUD DR. SOETOMO SURABAYA

Background: Parental feeding style is known to have a significant effect on the formation of healthy diet in children, which is reflected in their nutritional status. In critically ill children, ideal nutritional status not only serves to ensure optimal growth and development, but also to minimize morbidity and mortality during treatment. This is important since more than half of hospitalized pediatric patients are malnourished.

Objective: To determine the effect of parental feeding style on nutritional status and clinical outcome of critically ill children in RSUD Dr. Soetomo Surabaya.

Methods: This is a cross-sectional observational study. Through total sampling, 42 child-parents dyad were collected. Parents were interviewed using the Caregiver Feeding Style Questionnaire, while data on weight, height, length of PICU stay, and mortality were taken from medical records. Nutritional status was measured using BMI-for-age, patients were classified as underweight, normal, and overweight/obese using WHO 2006 BMI Z-Score for children aged 3-5 years old and CDC 2000 BMI % for children aged >5-12 years old. Statistical analysis was performed using SPSS v26.0.

Results: Parental feeding style has a significant effect on the nutritional status of critically ill children ($p < 0.05$) where authoritarian parents has more underweight children than the other three. Follow-up planned contrast shown that Indulgent feeding style is significantly correlated with a higher BMI Z-Score in children >5 years old. Nutritional status is not associated with clinical outcome (mortality & length of stay) in PICU. We also found that parents' age has no significant effect on feeding style while gender, types of disease, and age are not significantly related to clinical outcome.

Conclusion: Parental feeding style has a significant effect on nutritional status but nutritional status is not significantly correlated with the clinical outcome of critically ill children in PICU RSUD Dr. Soetomo Surabaya

Keywords: Parental feeding styles, nutritional status, clinical outcome, PICU, critically ill children