

Audit on receiving of enteral nutrition product within 24 hours of dietitians' prescription among patients in Hospital Sultan Idris Shah, Serdang

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ABSTRACT

Introduction: Dietitians prescribe ENP to ensure that patients with malnutrition receive sufficient nutrients to improve their clinical status during hospital stays. Nutrition support therapy should be initiated within 24 hours hospitalisation. Provision of nutritional supplements to malnourished patients reduces complications such as infections and wound breakdown by 70% and mortality by 40%. A quality improvement study has been conducted to develop strategies on achieving high standard of at least 90% patients receive the ENP within 24 hours of dietitians' prescription. Related standard of procedure on ENP delivery has been updated to ensure sustainable achievement. **Materials and Methods:** A cross-sectional study has been conducted every year for the period of one to two months to audit the receiving of ENP are within 24 hours of dietitian prescription. Using universal purposive sampling, the sample size was varying between 133 to 253 from the year of 2019 to 2023 including all patients who has been prescribed with ENP within the study period. We exclude patient who refused or discharge within 24 hours of the prescription. Data has been collected through a validated audit form and has been analysed using MS Excel. **Results:** The results show an excellent achievement with the percentage of 97.48%, 97.65%, 99.22%, 100.00% and 98.26% for the year of 2019 to 2023 respectively. The standard was increased from 90% to 95% in 2021. The reason of patient did not receive the ENP within the stipulated time period were product not being served and the ENP not being collected from department counter. **Conclusion:** Nutrition support therapy should be initiated within 24-48 hours following hospitalization in patients who are unable to maintain oral nutritional intake. This audit shows we achieve the standard for five consecutive years. Cooperation and spirit of teamwork among multidisciplinary staff nurturing good working culture to improve healthcare service.