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Retrospective Study

Enteral nutrition administration in a surgical intensive care unit: Achieving goals with better strategies

Sara Wilson, Nagendra Madisi, Adel Bassily-Marcus, Anthony Manasia, John Oropello, Roopa Kohli-Seth

Abstract

AIM: To evaluate the impact of an enteral feeding protocol on administration of nutrition to surgical intensive care unit (SICU) patients.

METHODS: A retrospective chart review was conducted on patients initiated on EN support during their stay in a 14 bed SICU. Data collected over a seven-day period included date of tube feed initiation, rate initiated, subsequent hourly rates, volume provided daily, and the nature and length of interruptions. The six months prior to implementation of the feeding protocol (pre-intervention) and six months after implementation (post-intervention) were compared. One hundred four patients met criteria for inclusion; 53 were pre-intervention and 51 post-intervention.

RESULTS: Of the 624 patients who received nutrition support during the review period, 104 met the criteria for inclusion in the study. Of the 104 patients who met

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Strategies such as head-of-bed positioning, ... In a follow-up study of intensive care unit
(ICU) patients, Kvale et al¹¹ reported ... than with **enteral nutrition**,¹⁵⁻¹⁷ The
administration of enteral ... as **more** than 5 hours per patient per day in critically ill

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The length of stay, ventilator free time and mortality in the **intensive care unit** and ... ⁽⁵⁾ Critically ill patients receive a lower volume of **enteral nutrition** (EN) and do that the complementary **administration** of TPN to EN as a **strategy** to **achieve** ... when energy and protein intake does not reach the **goal**, is controversial due to ...



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