

JOINT EVENT

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Study the chance of respiratory aspiration in intermittent bolus tube feeding in ICU and trauma ward patientsSomayeh Mousazadeh¹, Hamideh Hakimi², Taherah Khaleghdoost³ and Sedigheh Samimayan³¹Shiraz University of Medical Sciences, Iran²Islamic Azad University of Lahijan, Iran³Guilan University of Medical Sciences, Iran

Statement of the Problem: Bowel feeding is an effective and safe method for patients who are admitted to intensive care wards but despite its many benefits, it has side effects such as respiratory aspiration. Pneumonia caused by aspiration is responsible for 15-20% of hospital infections, 24% increase in length of hospitalization and 39% increase in expenses. It is one of the ten reasons of death in USA that can be prevented by appropriate method of feeding.

Objective: This study aims to determine the chance of respiratory aspiration in intermittent bolus tube feeding in patients admitted to ICU and trauma wards.

Methodology & Theoretical Orientation: In this quasi-experimental study, 36 patients admitted to ICU and trauma wards were fed by intermittent tube bolus method for three days. Each time 150–300cc food liquid was administered seven times a day, every three hour to patients with a 60 cc syringe in 10–5 minutes. To measure the respiratory aspiration, 0.5 cc methylene blue 1% was added to 500 cc of each meal. In case of patient's need for suction, when the blue color of methylene blue was observed in patient's secretion they appeared to have respiratory aspiration.

Finding: Data analysis showed that respiratory aspiration occurrence in bolus method was 5.6%.

Conclusion: According to results, it is obvious that bolus method as mentioned in texts is still the standard method and risk of respiratory aspiration decreases if it is used properly.

Biography

Somayeh Mousazadeh has her experience in Intensive Care Unit as a Nurse. She has researched this issue after years of experience in patient care in ICU.

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