

9th Edition of International Conference on **Environmental Science & Technology**
&
48th World Congress on **Microbiology**
&
50th International Congress on **Nursing Care**

June 24-25, 2019 Moscow, Russia

Respiratory aspiration in tube feeding method of intermittent drip bag in intensive care unit patients

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Statement of the Problem: Incidence rate of aspiration induced pneumonia was 7-62% in the patients fed by tube. Overall, the feeding method is an important risk factor for pulmonary aspiration.

Aim: The purpose of this study is to determine the induced respiratory aspiration incidence rate through the tube feeding method of intermittent drip bag.

Methodology & Theoretical Orientation: This one group only posttest study was conducted on 36 ICU patients. The patients were fed using the tube feeding method of intermittent drip bag for three days. To detect respiratory aspiration, 0.5 cc of methylene blue 1% was added to 500 cc of the liquid nourishing material. Whenever the blue color of methylene blue was observed in the lung secretions during suction, incidence of respiratory aspiration was ascertained. The data were analyzed using descriptive statistics and repeated the measures by analysis of variance.

Findings: The results revealed no incidence of respiratory aspiration via the tube feeding method of intermittent drip bag during the three consecutive days.

Conclusion & Significance: Since no respiratory aspiration was observed using the tube feeding method of intermittent drip bag and this method can be utilized in the centers that are not equipped with feeding pump.

Biography

Somayeh Mousazadeh has completed her PhD at Shiraz University of Medical Sciences. I've been studying critical care nursing for MA. And this article is part of my MA thesis.

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