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Nurses' knowledge regarding weaning criteria of the patients with mechanical ventilation in a teaching hospital, Chitwan, Nepal

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Background: Ventilator weaning is the process of gradually withdrawing artificial ventilation to the intubated patients for short or long time in critical care setting. Weaning patients from ventilator is complex and challenging task for nurses and knowing weaning criteria is most essential component for getting successful outcome for the patients with mechanical ventilation.

Purpose: The purpose of this study is to find out nurses' knowledge regarding weaning criteria of the patients with mechanical ventilation.

Methodology: A descriptive cross sectional study design was used with 57 nurses working in critical care unit of a teaching hospital, Bharatpur, Chitwan. The non-probability, enumerative sampling technique was used in this study. Data was collected by using self-administered semi structured questionnaire during the month of July, 2016. Data was analyzed by using descriptive (frequency, percentage, mean and standard deviation) and inferential statistics (chi square).

Results: The results showed that level of knowledge regarding weaning criteria was adequate (45.6%), whereas 54.4% was inadequate. The significant influencing variables for weaning criteria among nurses were professional experiences ($p \leq 0.001$), professional experience in critical care area ($p \leq 0.001$), clinical areas ($p = 0.002$) and age ($p = 0.006$).

Conclusion: It is concluded that the knowledge level of nurses working in critical care unit of a teaching hospital of Chitwan was inadequate. Therefore, in-service education on weaning criteria for nurses is needed and developing protocol on weaning criteria for nurses is highly important.

Biography

Rosy Shrestha is currently working as an Associate Professor at Chitwan Medical College, College of Nursing and Student at PhD scholar at Mharajganj Nursing Campus, KTM. She did her graduation in TU IOM Maharajgunj Nursing Campus.

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