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Impact of close monitoring and timely changed of disposable equipment are reducing ventilator associated pneumonia (VAP) in a tertiary care hospital of Pakistan

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Abstract: Ventilator associated pneumonia (VAP) a bacterial pneumonia in ICU patients is a frequent complication that exacts a heavy toll for those patients who's been on mechanical ventilation for 48 hours or more. Nurses can play a vital role in preventing VAP. The most recent CDC guidelines on preventing hospital acquired pneumonia contain several nursing interventions specific to VAP. Closely monitoring and change of disposable equipment in ICU patients during the time frame prevent VAP.

Objective: To determine closely monitoring and change of disposable equipments on ventilator support patients decrease the incidence of VAP.

Design, setting, participants: Design disposable equipment form on that mention list of items, duration of equipment, date of attachment and staff name, date of change and staff name for recording and monitoring. Disposable equipment form attached on those patients bedside that's been on ventilation support admitted in chest ICU of Liaquat national hospital Karachi, which is a tertiary care hospital, from December 2014 to May 2015.

Intervention: Before the study was initiated nurses were instructed and guideline provided to the nurses.

Result: Before introduction of disposable equipment form 60 out of 220 patients (27.3%) patient were infected. After the introduction of disposable equipment form 30 out of 214 (14%) patient were infected.

Conclusion: These results show that there is significant reduction of infection levels after the introduction disposable equipment form in ICU patients.

Biography

Ms. Zehra Asif Noorani has completed Masters in international Relations from Karachi University in 2005 and Midwifery from Ayaz Samoo Nursing School Pakistan in 2012, Post RN Bscn from Dow University of health sciences Pakistan in 2011, diploma in nursing from Aga Khan University Hospital Pakistan in 2005. she is working as a Assistant Manager Nursing Critical Care Area at Liaquat National Hospital. She published many papers in reputed journals.

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