



**Impact of Teaching Guidelines on Improving Nurse's Performance
and Patient's Safety Regarding
Nosocomial Infection in Dialysis Unit**

Thesis

Submitted for Partial Fulfillment of the Requirements of
Doctorate Degree in Medical Surgical Nursing

By

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ABSTRACT

Nosocomial infection has many adverse effects on both patients and health care workers, it represents an undue economic burden, which increases the costs, hospitalization rate and need for antimicrobial medications and adds significant morbidity, and mortality. Patients with renal impairment are at high risk of developing infection due to low immunity, severe clinical condition and need of vascular accesses for renal replacement therapy(RRT). However, because nursing has a key role in patient's outcomes, there is a need to provide them with the evidence -based knowledge needed to advocate for patients and implement best guidelines in their practice. **The aim of this study** was to evaluate the impact of teaching guidelines on nurses performance and patients safety regarding nosocomial infection in dialysis unit. **Subjects and Methods:** The study was carried out at dialysis unit of Benha University hospital. Sample included 44 nurses and all patient in dialysis unit excluded patient with chronic hepatitis, total number were 40 patients from both sexes. **Tools for data:** The researcher used 3 tools for nurses in this study including, Interview questionnaire sheet, observational checklist, infection control teaching guidelines, and 3 tools for patients including interview questionnaire sheet and observational check list. **Results:** The study results revealed that, highly statistically significant improvement in studied nurses about their total knowledge score, and total practice with decrease sign and symptoms of infection for patients after implementation of teaching guidelines. **Conclusion:** Teaching guidelines regarding nosocomial infection have positive effect on nurses' performance and patient safety in dialysis unit. **Recommendation:** The study recommended that continuous education of both new and current staff in dialysis unit about nosocomial infection. Further research, replication of the study on large representative probability sample is highly recommended to achieve more generalization of the result.

Keywords: nosocomial infection, teaching guidelines, renal replacement therapy.