

Comparison of health status of medical equipment levels and pseudo-homogeneous environmental levels in hospitalized areas of Imam Khomeini Hospital of Ardebil by observational and microbial method in 1396

Abstract

Background & Objective: The transmission of infection from the equipment and the environment to patients is largely through contact. The aim of this study was to determine the health status of medical equipments and pseudo-homogeneous environmental levels in Imam .Khomeini Hospital (RA) in observational and microbial methods in 1396

Methods: In this descriptive cross-sectional study, 17 levels of admission to Imam Khomeini Hospital (Ra) were evaluated in a two month observational phase (through checklist and microbial). Data analysis was done by using SPSS software and by comparing it with British .standards

Results: The results of this study showed that the rate of contamination in different parts of the hospital was 75% and 29.15%, respectively. According to statistical analyzes in the microbial method, the most infected ventilators were among the most polluted medical equipment and among the peripheral levels of the most infectious patient ward. At the observation station, among the medical equipment levels, the cliché was the most contaminated case, and among the pseudo-environmental environmental levels, the most infected fridge was determined. The most contaminated part in terms of cardiothoracic microbial monitoring was determined in terms of male in-patient observation

Conclusion: It is suggested that by planning and applying appropriate and preventive methods, implementation of disinfection programs, development of a cleaning and disinfection guide, training and continuous monitoring of it with standard methods of contamination will be minimized

Keywords: environmental levels; microbial monitoring; observational monitoring; Ardabil