

عنوان مقاله:

Epidemiological Examination of Hospital Infections in Different Hospital Departments

محل انتشار:

مجله پژوهشی دانشجویی زیست پزشکی طبری، دوره 5، شماره 4 (سال: 1402)

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خلاصه مقاله:

Introduction: The prevalence of hospital infections is a matter of great importance that necessitates the identification of contributing factors and a comprehensive understanding of their epidemiology. Thus, the objective of this investigation was to analyze the epidemiology of hospital infections in various departments of Qaemshahr Valiasr Hospital from ۲۰۱۳ to ۲۰۱۷. **Material and Methods:** In order to achieve this, a total of ۶۲۵ patients admitted to different departments of the hospital were included in the study, and after recording their demographic data, the prevalence of hospital infections was documented. The data was then compared using the Kai Squire and man Whitney tests. **Results:** The findings of this study revealed that the prevalence of hospital infection was determined to be ۴.۵%, and this was found to have a direct and statistically significant correlation with factors such as age, length of hospitalization, diabetes, urinary catheter, and ventilation ($P < 0.05$). Additionally, the study identified the lung as the most commonly affected organ, and the bacteria cultured most frequently were E.coli and Klebsiella. **Conclusion:** In light of the prevalence of hospital-acquired infections in hospitalized patients, particularly those with prolonged hospitalization, diabetes, urinary catheterization, mechanical ventilation, and advanced age, it is strongly recommended that adequate training be provided to hospital staff and that preventive measures be implemented in high-risk individuals to effectively reduce the occurrence of hospital-acquired infections and their associated complications.

کلمات کلیدی:

Epidemiology, Hospital infections, E.coli, Klebsiella

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