Survey of Nosocomial Infections in Patients Admitted to Shaheed Sadoughi Hospital of Yazd in 2017

Maryam Souroush
Master of nursing, Yazd University of Medical Sciences, Yazd-Iran

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ABSTRACT

Introduction: Nosocomial infections are known as an important public health problem worldwide, which impose a significant burden on patients and health care system. The present study aimed to determine the rate of nosocomial infections in patients hospitalized in Shaheed Sadoughi hospital of Yazd.

Materials and Methods: This cross-sectional study was carried out on 31654 patients hospitalized in wards of Shaheed Sadoughi hospital of Yazd in 2017. Data were collected based on the National Nosocomial Infections Surveillance System (NNIS) questionnaire to diagnose main nosocomial infections (respiratory, urinary, blood, surgical site). The significance level was considered as p<0.05.

Results: In the present study, 147 patients (mean prevalence, 0.46%) were diagnosed with nosocomial infections. The highest rates of infection respectively belonged to the respiratory infection (0.20%) and surgical site infection (0.13%). The lowest rate of infection were reported for urinary tract infection (0.04%), blood infection (0.04). The highest rate of infection was related to ICU2 with incidence of 9.7% (33 cases) and ICU 1 7.71% (56 cases).

Conclusion: compliance with nosocomial infection control guidelines and use of invasive therapeutic procedures, only if necessary, along with health education could be helpful in the prevention of such infections.