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Prospective Evaluation of Infection Control System for Nosocomial Infections in Tertiary Care Hospitals of Nagpur

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ABSTRACT

Background: Nosocomial infections (NI) are becoming one of the most common complications of hospital care system. An efficient infection control programme is considered to restrict the spread of nosocomial infection in the hospital. This study was therefore undertaken to evaluate the infection control system of the hospitals for preventing and decreasing the impact of NI in some tertiary care hospitals in Nagpur city.

Methods: It was a simple, exploratory and comparative study conducted for a period of 3 months. Survey research design method was used for the study in which data was collected from 24 hospitals of Nagpur city selected by random sampling method. A structured and validated questionnaire followed by interview was used for data collection.

Results: The study revealed that 66.67% of hospitals were having Infection Control Committee (ICC) whereas 33.33% do not have such Committee. It was also observed that though the committee meets very regularly 58.33% hospitals surveyed do not record any data of such meetings for further references. 46% hospitals do not maintain any manual for nosocomial infection control.

Conclusion: The study concluded that only setting of ICC is not sufficient, but recording of timely data, maintenance of manual for infection control, educating and training the hospital staff, patient awareness, identification of risk & implementing preventive measures, incidence monitoring and appropriate active surveillance are essential for proper and effective infection control system. There is no mandatory requirement for reporting the data on NI to any concerned authorities.

Keywords: Nosocomial Infection, Infection Control System, Infection Control Committee.