

عنوان مقاله:

BACTERIAL PATTERN AMONG PATIENTS WITH WOUND INFECTIONS AT GHAEM HOSPITAL, MASHHAD, IRAN

محل انتشار:

نوزدهمین کنگره بین المللی میکروب شناسی ایران (سال: 1397)

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خلاصه مقاله:

Background and Aim: Wound infections are a major problem in health care facilities worldwide, frequently neglected in under-resourced countries. Resulting in extended length of stay infection, substantial morbidity and mortality, high excess of cost, and less frequent cause of death in the patient. **Aim:** To determine the prevalence of bacterial pattern among patients with wound infections at Ghaem hospital which located in Eastern part of Iran. **Methods:** A year prospective study of 200 wound infection in different units of Ghaem hospital in Mashhad, was carried out. Sample were collected between March 2017 and March 2018. Conventional technique for isolation of bacteria was applied for identification to confirm primary and secondary isolates. **Results:** Most bacterial isolates were *Klebsiella pneumoniae* (n=39, 32%), *Acinetobacter* spp. (n=35, 23%), *E. coli* (n=25, 14%), Coagulase negative *Staphylococci* (n=25, 14%), *Staphylococcus aureus* (n= 16, 9%), *Pseudomonas aeruginosa* (n=12, 7%), *Enterobacter* spp (n=11, 6%), *Proteus* spp. (n=7, 4%), and *Enterococcus faecalis* (n=6, 3%). Most of the cases were related to surgical units (23%), and then the internal unit (21%) and emergency units (17%). **Conclusion:** The high prevalence rate of wound infection in the surgical units of Ghaem hospital was estimated due to prevention proceedings during and after surgery. Moreover, the levels of contamination in the most part of the hospital were above the normal.

کلمات کلیدی:

Prevention , Surgery, Wound infection

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