

JOINT EVENT

9<sup>th</sup> International Conference on **Emerging Infectious Diseases**

&amp;

6<sup>th</sup> World Congress on**Control and Prevention of HIV/AIDS, STDs & STIs**

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**Surgical site infections of clean – contaminated wounds of operated patients in surgical ward, Iran**Zinat Mohebbi<sup>1</sup>, Afraseyabi Ardeshir<sup>2</sup> and Shahla Najafi Dolatabad<sup>2</sup><sup>1</sup>Shiraz University of Medical Sciences, Iran<sup>2</sup>Yasuj University of Medical Sciences, Iran

**Objective & Aim:** Surgical site infections (SSIs) are the most common health care associated infections in surgical patients and are serious surgical complications happening in approximately 2% of surgical procedures, although rates differ widely according to the type of procedure. Present study has been done to determine the incidence rate of infection in a clean contaminated wounds and its relationship with some risk factors.

**Methodology:** Cross sectional study, in a convenience sample of 300 patients who underwent surgery classified as clean contaminated in a hospital of Iran. Samples were taken directly from the wound at the first dressing change to all the patients. They were studied to determine bacteria growth.

**Results:** The rate of infection after a clean contaminated surgery was 53%. The most common gram positive microorganism was *Staphylococcus aureus* (22%), and among gram negative: *Escherichia coli* (26%), *Klebsiella* spp. (26%) and *Pseudomonas* spp. (25%). Significant correlation between the type of surgery and surgical site infection was found, it was not seen with the variables sex and surgical procedure.

**Conclusion:** This study shows important problems regarding patient's safety. Protocols should be reviewed to control infections.

**Biography**

Zinat Mohebbi completed her PhD in Nursing from Shiraz University of Medical Sciences (SUMS) in Iran. She is the Faculty Member of SUMS and has the history of teaching for over 20 years. She published more than 50 papers in several journals and has been serving as an Editorial Board Member of *International Journal of Community Based Nursing and Midwifery*.

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