

Nosocomial Infections in the Surgical ICU in King Abdulaziz University Hospital in Jeddah / Kingdom of Saudi Arabia (2006). A Surgeon's Perspective.

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ABSTRACT

Background

Out of the 930 patients total admissions to the Surgery Department in 2006, only 61 were referred to the ICU because of infection (6.55%).

During their ICU stay, the 61 patients were categorized according to the type of the organism by result of the culture into 8 groups: infections by *Pseudomonas* 13, *Candida albicans* 11, *Klebsiella* 7, *E-coli* 7, MRSA 5, *Acintobacter* 4 and others. These infections involved the surgical site in 73.3%, respiratory tract in 6.7%, urinary tract in 16.7% (more common in women), and bacteremia in 3.3%. The general infection rate was higher by (0.52%) when an implant or a device was applied as meshes, vascular grafts...etc. The most frequent organisms encountered were in order of frequency *are pseudomonas Ar.*, *Candida albicans*, *E-coli*, *Klebsiella* and lastly *Acintobacter Baumannii*.

More than half of all *S aureus*, *Acintobacter Baumannii* and *P aeruginosa* isolates are collected from respiratory samples, while the most common source for *Candida Species* are urine samples. In addition *Candida Species* were collected from bedsores swabs.

Treatment of hospital-acquired infections in ICUs is complicated by recent increases in antimicrobial resistance costs, and more important the development of multidrug-resistant pathogens. Added to this are the increased chances of a lack of effective treatment at the time of identification,

Conclusion

The treatment of infection in surgical ICUs is complicated by an increasing prevalence of resistant pathogens, even to multiple antimicrobial agents... The study defined the most common pathogens in surgical ICUs in our hospital, revealing several factors that encourage the development and spread of antimicrobial resistance.

Keywords: Antimicrobial resistance, nosocomial infections

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University of Jordan

Faculty of Medicine

Amman – Jordan

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Dear Dr Ahmed Kensarah / **Saudi Arabi**

We are pleased to invite you to participate at the **The 5th Arab Conference for Antimicrobial Agent October 18-20, 2007, Amman-Jordan.**

Your abstract entitled: Infections in Surgical ICUs and its Management in King Abdulaziz University Hospital in Jeddah / Kingdom of Saudi Arabia (2006). A Surgeon's Perspective in an Era of Increasing Microbial Resistance, has been accepted to be presented in oral on Saturday morning, 20-10-2007.

You will have a free hotel accommodation beginning on 18 October at the **Region Hotel, Dahiat Al-Rashed, Amman Tel: 5200120**. The hotel is located few minutes away of the Jordan University.

Please confirm your attendance as soon as possible.

Looking forward to welcome you in Jordan

Best regards,

Prof Dr Asem Shehaby,
Chairman, the organizing and scientific committee