

POSTER PRESENTATION

Open Access

Nosocomial infections in ICU comparing HIV infected and not infected patients

AM Costa E Silva*, ES Abreu, RDF Feijó, DWCL Santos, F Siroma, CMM Pinto, NJF Cavalcante, R Richtmann

From International Conference on Prevention & Infection Control (ICPIC 2011)
Geneva, Switzerland. 29 June – 2 July 2011

Introduction / objectives

This study describe the epidemiology of nosocomial (NI) notified at ICU in a tertiary level teaching hospital specialized in infectious diseases comparing adults patients HIV infected and not infected

Methods

From January to December/2009 all patients admitted for more than 48hours at our 17 beds ICU were included. NI definitions were based on the CDC criteria.

Results

119 NI were notified among 486 patients; the most frequent NI was pneumonia ($n = 53$; 44,5%), followed by primary bloodstream infection (BSI) in 27(22.7%), cardiovascular system – arterial or venous infection (CVS-VASC)($n=16$;13.4%), urinary tract infection ($n=12$; 10.1%), intra-abdominal infections ($n= 6$; 5%), soft tissue/skin infections ($n= 4$; 3,5%), and surgical site infection ($n=1$;0.8%). Among pneumonias, ventilator-associated pneumonia were seen in 42 cases (79,2%). Comparing HIV infected and not infected patients, the incidence of VAP in HIV+ was 38.6% X 30.6% HIV-; primary BSI in HIV+ was 22.8% X 22.4% in HIV-; CVS-VASC in HIV+ was 10% X 18.3% in HIV-; urinary tract infection in HIV+ was 12.8% X 6.1% in HIV-; lower respiratory tract infection (non-VAP) in HIV+ was 5,7% X 14,3% in HIV-; intraabdominal infections in HIV+ was 7,1% X 2% in HIV-; soft tissue/ skin infections in HIV+ was 1,4% X 6,1% in HIV-; and surgical site infections in HIV+ was 1,4% X zero in HIV-. There was no significant difference comparing groups.

Conclusion

There were no statistical difference in the topography of NI in HIV infected or not infected at ICU.

Disclosure of interest

None declared.

Published: 29 June 2011

doi:10.1186/1753-6561-5-S6-P78

Cite this article as: Costa E Silva *et al.*: Nosocomial infections in ICU comparing HIV infected and not infected patients. *BMC Proceedings* 2011 5(Suppl 6):P78.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



Hospitalar Infection Control Commission, Instituto de Infectologia Emilio Ribas, São Paulo, Brazil