

Nosocomial infections preventive bundle implemented revealed efficient in decreasing the incidence density of nosocomial sepsis. However CLABSI rates remain high” Almeida et al (2016).

Abstract:

OBJECTIVE: To evaluate nosocomial infections preventive bundle, implemented in April 2010 in Centro Hospitalar de São João (CHSJ) Neonatal Intensive Care Unit (NICU) effectiveness.

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METHODS: Newborns admitted to level III NICU of CHSJ, between April 1st, 2007 and March 31st, 2013, with sepsis as discharge diagnosis, were selected and divided into two periods (Period 1 and 2, before and after new preventive bundle introduction). Data from the two periods were compared.

RESULTS: Nosocomial sepsis incidence density decreased significantly from 8.6 to 4.8 per 1,000 patient days from Period 1 to 2. Nosocomial infections preventive bundle implementation led to a significant decrease in central line-associated bloodstream infections (CLABSI) rates from 14.1 to 10.4 per 1,000 catheter days.

CONCLUSIONS: Nosocomial infections preventive bundle implemented revealed efficient in decreasing the incidence density of nosocomial sepsis. However CLABSI rates remain high. Physicians should be alert to the need to adhere to strict infection control protocols and institute effective measures for nosocomial infection surveillance.

Reference:

Almeida, C.C., Pissarra da Silva, S.M., Flor de Lima Caldas de Oliveira, F.S. and Guimarães Pereira Areias, M.H. (2016) Nosocomial sepsis: evaluation of the efficacy of preventive measures in a level III Neonatal Intensive Care Unit. The Journal of Maternal-Fetal & Neonatal Medicine. September 15th. .



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