

POSTER PRESENTATION

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# Evaluation of *Acinetobacter baumannii* infections in intensive care units of a training and research hospital

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## Introduction / objectives

The aim of this study was to identify the types of hospital-acquired *A. Baumannii* infections detected in five intensive care units at GATA Training and Research Hospital between 2008-2010 and to make comparison between years.

## Methods

In this study, patients diagnosed with hospital-acquired infection were evaluated according to the definition by the Center for Disease Control and Prevention (CDC) at a regular surveillance in patients receiving inpatient treatment between 2008-2010 at GATA Training and Research Hospital.

## Results

During this period, patients in five intensive care units were followed up with a regular surveillance. The comparison of the most common types of *Acinetobacter Baumannii* infections between years revealed that the most common type of infection was blood stream infections with incidence rates of 66.6% in 2008, 72.0% in 2009 and 54.7% in 2010.

## Conclusion

Of all infections detected in the five intensive care units included in this study, the incidence of *Acinetobacter Baumannii* was found to be 17.1% in 2008, 18.8 % in 2009 and 22.6% in 2010. The incidence rate increased over the years in our hospital, which however did not reach statistical significance. ( $P= 0.437$ ) Concerning the intensive care units, a statistically significant decrease

was found in the burn center in the last three years. ( $P= 0.033$ ) We believe that this decrease results from the decreased number of the inpatients and the education on hand hygiene and isolation precautions provided by the Infection Control Committee during that period.

## Disclosure of interest

None declared.

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