

# Aetiology, resistance patterns and impact on outcome between first and subsequent episodes of bacteraemia during neutropenia

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Argentinean Bacteraemia in Cancer and Hematopoietic Stem Cell Transplant Study Group (ROCAS Study)

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## BACKGROUND

The aetiology and resistance patterns of bacteraemia events may differ according to the time of presentation during neutropenia. These differences could influence mortality.

## OBJECTIVES

To describe and compare the characteristics between first and subsequent episodes of bacteraemia during neutropenia.

## METHODS

Prospective multicenter study.

Episodes of bacteraemia in adult neutropenic cancer and hematopoietic stem cell transplant (HSCT) patients were included in 10 centers in Argentina, from May 2014 to January 2018.

We compared characteristics between **first (G1)** and **subsequent (G2)** bacteraemia events during the same neutropenia episodes.

Recurrent events caused by the same initial microorganism were excluded.

To identify factors associated with 30-day mortality, variables with  $p < 0.05$  in univariate analysis were included in a logistic regression model for multivariate analysis.

