

POSTER PRESENTATION

Open Access

# Surgical site infection: main cause of readmission of patients undergoing cardiac surgery

BRN Barreiros, EF Bianchi, RTN Turrini, RA Lacerda\*, V De Brito Poveda

From 3rd International Conference on Prevention and Infection Control (ICPIC 2015)  
Geneva, Switzerland. 16-19 June 2015

## Introduction

Readmissions are a frequent problem in health institutions, bringing discomfort to the patient and family, and weigh the health system and society, therefore, cardiac patients suffer multiple readmissions to achieve full control of the disease or death, due to the complexity and the difficult management of cardiovascular diseases. Among the common causes of readmission there are the infections related to health care.

## Objectives

To characterize the readmission cardiac patients after the surgical procedure.

## Methods

This is a quantitative, retrospective, descriptive study, conducted through the medical records of patients who underwent cardiac surgery and subsequent readmission.

## Results

The sample consisted of 62 patients readmitted after performing heart surgery, these 66% were male, with predominant age group of 61 to 70 years and the comorbidities that stood out was hypertension (80%). The surgical site infection was the leading cause of rehospitalization, significantly associated to the variables obesity and dyslipidemia.

## Conclusion

The identification of patients at risk for the development of surgical site infection can minimize readmission rates and reduce the costs associated with care, and must therefore, be subject to a different action planning by the nursing staff.

## Disclosure of interest

None declared.

Published: 16 June 2015

doi:10.1186/2047-2994-4-S1-P74

Cite this article as: Barreiros et al.: Surgical site infection: main cause of readmission of patients undergoing cardiac surgery. *Antimicrobial Resistance and Infection Control* 2015 **4**(Suppl 1):P74.

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](http://www.biomedcentral.com/submit)

