

IMPACT OF ANTIBIOTIC PRESCRIBING IN AN EMERGENCY DEPARTMENT ON HOSPITAL STAYS, READMISSION AND MORTALITY

González-Morcillo G¹, Calderón-Hernanz B¹, Calderón-Torres MD², Martín-Fajardo ML², Mandilego-García A¹, Pérez de Amezaga-Tomás L¹, Parera-Pascual M¹, Vilanova-Boltó M¹

¹Son Llàtzer Hospital, Pharmacy Department, Palma De Mallorca, Spain. ²Son Llàtzer Hospital, Emergency Department, Palma De Mallorca, Spain
Contact data: ggonzalezmorcillo@gmail.com

BACKGROUND & IMPORTANCE

Antibiotics are widely prescribed in the Emergency Department (ED). Around 30-60% of antibiotic prescriptions in the ED are inappropriate; this fact is associated with an increase in length of hospital stay and entails a public health problem. In this context, ED becomes a key point for antibiotic optimization.

AIM & OBJECTIVES

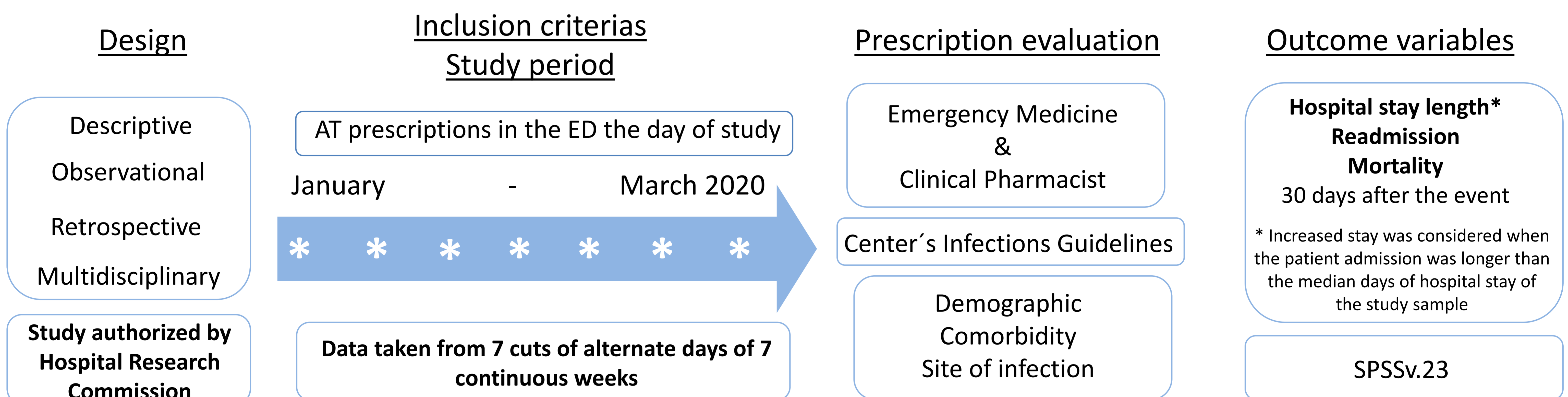
Primary objective

Frequency of inappropriate prescriptions of antibiotic therapy (AT)

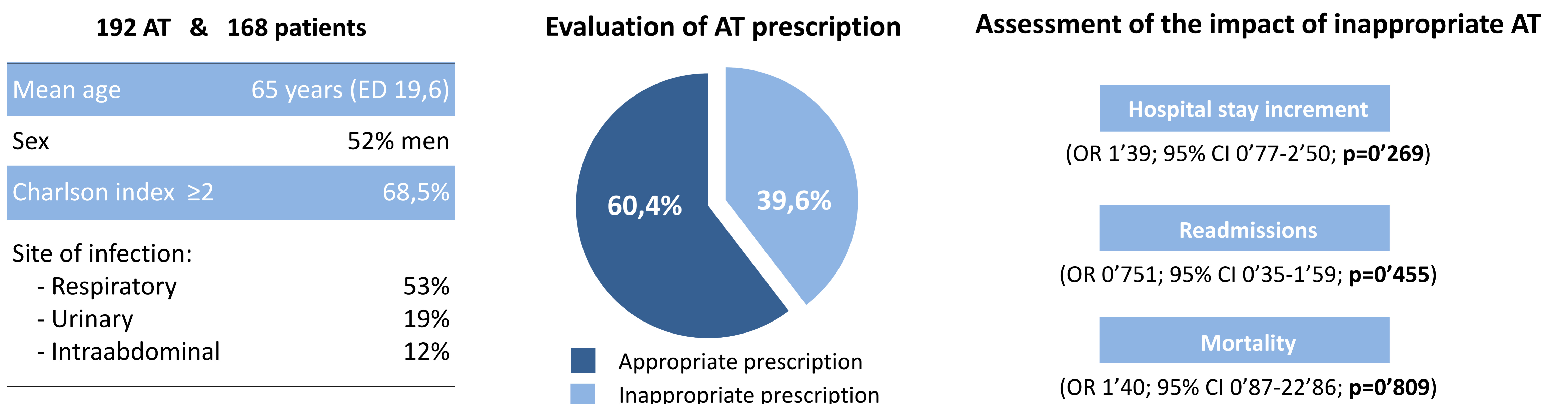
Secondary objectives

Impact in terms of hospital stay increment, readmissions and mortality 30 days after the event

MATERIAL & METHODS



RESULTS



CONCLUSION & RELEVANCE

In general, center's infection guidelines are followed since almost two thirds of AT were appropriate. Furthermore, inappropriate AT prescription did not lead to an increase in hospital stays, nor readmissions or mortality.

The inappropriateness AT results may be taken into account for the development of antibiotic optimization strategies.