

# Corynebacterium bone and joint infection (BJI)

## A retrospective cohort from a BJI reference center

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### Aim

- Description of clinical features of all patients and with proven *Corynebacterium* BJI followed up at the Lyon teaching hospital reference centre
- Assessment of determinants of treatment failure<sup>1</sup>

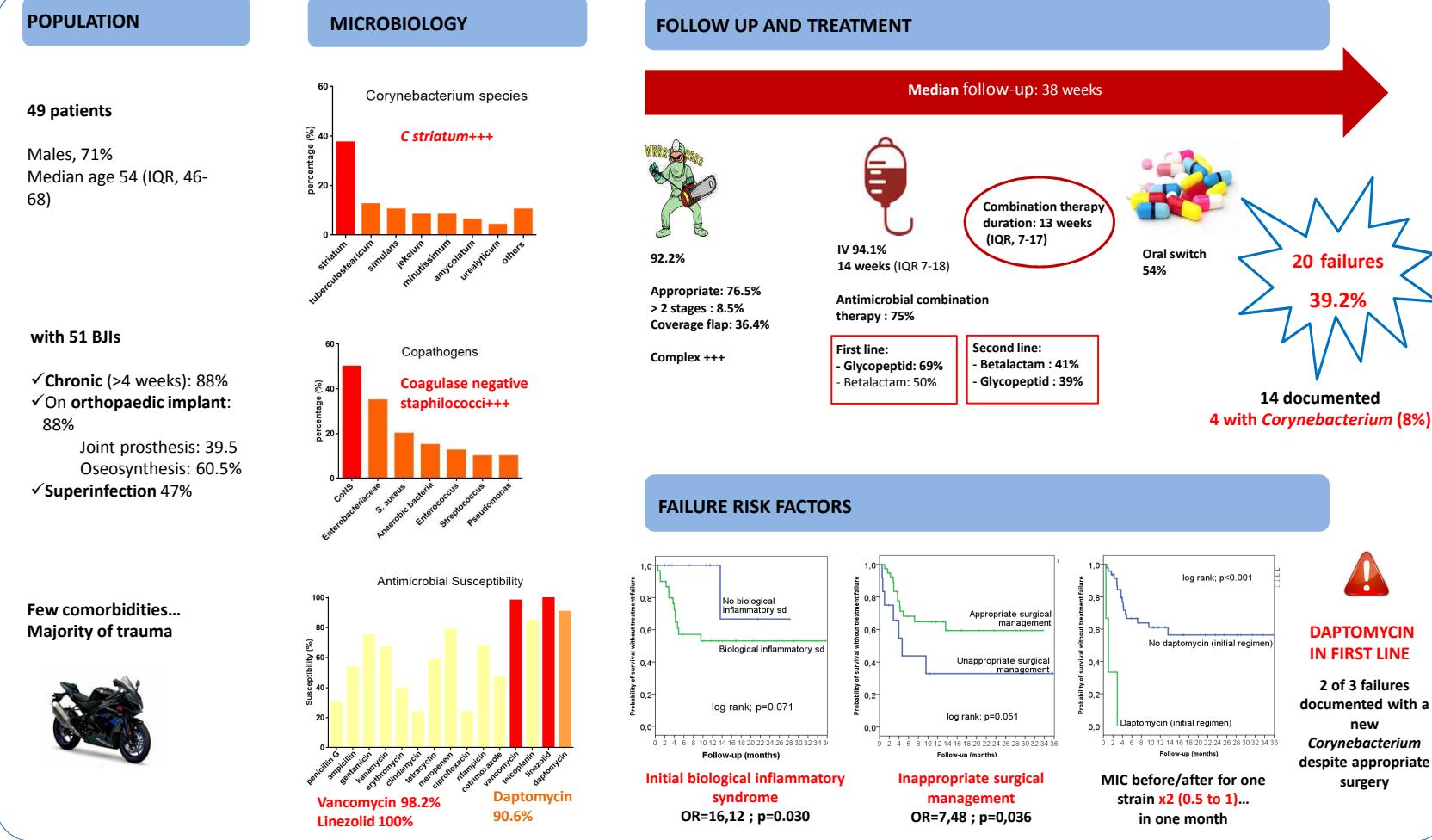
<sup>1</sup>Persistent infection or relapse or second surgery for sepsis or superinfection or death related to BJI

### Method

- Retrospective cohort study in a tertiary hospital reference center (CRIoAc Lyon, France) between 2007 and 2016
- Including All patients presenting a proven *Corynebacterium* BJIs:
  - ✓ ≥ 2 culture-positive intraoperative samples with the same pathogen AND treated as such by the ID physician
- Excluding decubitus ulcer- and diabetic foot-related BJIs

### Conclusions

- Corynebacterium* BJI = uncommon, chronic and plurimicrobial
- High failure rate (40%), associated with:
  - ✓ Inappropriate surgical management
  - ✓ Use of daptomycin as first line regimen?
- Should we avoid the use of Daptomycin, or use only in combination therapy ?



### \* Lyon BJI study group

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