THERAPEUTIC DRUG MONITORING FOR DALBAVANCIN SUPPRESSIVE THERAPY : OPTIMIZING INFUSION SPACING BASED ON MINIMUM INHIBITORY CONCENTRATION C. CORBINAIS¹, R. LARCHER², A. MARTIN², M. CHIARUZZI², M. POUPARD², P. LOUBET,² P. LAFFONT-LOZES¹

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BACKGROUND AND IMPORTANCE 🔍

- Dalbavancin : Long-acting antibiotic used in suppressive therapy
- Current practice : TDM targeting >8 mg/L (MIC 0.125 mg/L)



- Issue : Fixed thresholds may lead to unnecessarily frequent infusion
- New perspective : Adjust target proportionally to MIC to optimize therapy
- Potential benefit : Extended dosing intervals, fewer infusions, improved adherence

AIM AND OBJECTIVE

Demonstrate the benefits of MIC-adapted concentration thresholds for TDM and infusion spacing in dalbavancin-treated patients.

MATERIALS AND METHODS



Median MIC : 0.047 mg/L[0.032 – 0.092 mg/L] **Median Residual C (mg/L) :** 6.95 mg/L[4.4 – 12 mg/L]



MIC-guided TDM increases dosing success from 41% to 90.6% and allows injection spacing up to an average of 10 weeks.

CONCLUSION AND RELEVANCE

MIC-based dalbavancin dosing **improves target achievement and extends dosing intervals** in suppressive therapy, but requires further clinical validation.

REFERENCES : COJUTTI PG, RINALDI M, GATTI M, TEDESCHI S, VIALE P, PEA F. USEFULNESS OF THERAPEUTIC DRUG MONITORING IN ESTIMATING THE DURATION OF DALBAVANCIN OPTIMAL TARGET ATTAINMENT IN STAPHYLOCOCCAL OSTEOARTICULAR INFECTIONS: A PROOF-OF-CONCEPT. INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS. 1 NOV 2021;58(5):106445.

SECTION 4: CLINICAL PHARMACY SERVICES



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J01 ANTIBACTERIALS FOR SYSTEMIC USE

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