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INTRODUCTION AND PURPOSE

- Staphylococcus aureus bacteremia (SAB) remains a severe disease with high morbidity and mortality rates. Structured management of SAB, using evidence-based bundles of care, proved to have a beneficial impact on patient care and outcome.
- The aim of this project was to harmonize SAB management in seven Belgian secondary care hospitals. Through consensus, an evidence-based bundle of qualityof-care indicators (QCIs) was set up and implemented in all hospitals.

METHODS

QCI-BUNDLE

QCI 1: Follow-up blood cultures

• 48-72h after start of antibiotic therapy

QCI 2: Source control

Identification and removal (if possible)

QCI 3: Echocardiography

Performance of TEE or TTE

QCI 4: Early start of adequate antibiotic therapy

• MSSA: i.v. flucloxacillin, MRSA: i.v. vancomycin (incl. TDM)

Start within 48h after positive blood cultures

QCI 5: Adequate duration of therapy

• \geq 14 days of i.v. therapy

In all seven hospitals, adherence to the QCI-bundle is monitored by the microbiology staff in consultation with infectious diseases specialists and/or treating physicians for each new case of SAB.

OUTCOME

- QCI-score: assignment of a score of 1 or 0 to each QCI
- All cause in-hospital mortality

Multicenter implementation of a quality-of-care bundle for the management of Staphylococcus aureus bacteremia





311 CASES OF SAB IN 7 BELGIAN SECONDARY CARE HOSPITALS IN 2017*



ADHERENCE TO QCI-BUNDLE

QCI 1: Follow-up blood cultures



QCI 2: Source control











