Reviewer's report

Title: Multiresistant-MRSA tricuspid valve infective endocarditis with ancient osteomyelitis locus

Version: 1 Date: 27 February 2006

Reviewer: Benito Almirante

Reviewer's report:

General

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

In the present article the authors describe a patient with native tricuspid valve endocarditis by Methicillin-resistant S.aureus (MRSA), with clinical and microbiological resolution after treatment with quinupristin-dalfopristin.

The main objection of this clinical case is the lack of data about the antimicrobial susceptibility of the MRSA strains isolated from the blood cultures. For this reason we can not define the MRSA strains as with diminished susceptibility or resistant to glycopeptides or linezolid.

The lack of clinical and microbiological effectiveness to the different antibiotic regimes is not well defined, as only once MRSA was isolated from blood cultures during antimicrobial therapy. The effectiveness of antimicrobials in the treatment of MRSA endocarditis is variable, although cure without concomitant surgical treatment is less than 50%. Clinical and microbiological resolution in this patient, with right heart valves endocarditis, can be in this percentage, as seen in the article by Drew et al quoted in the bibliography.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

'I declare that I have no competing interests'