Reviewer’s report

Title: Tolerability and Efficacy of Long Term Treatment with Daptomycin, Ceftazidime and Colistin in a Patient with a Poly-microbial, Multi-Drug-Resistant Prosthetic Joint Re-Infection: a Case Report

Version: 1 Date: 10 January 2014

Reviewer: Silvano Esposito

Which of the following following best describes what type of case report this is?: Other

If other, please specify:

New diagnostic approach and unusually prolonged therapeutic approach

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: Yes

Is the anonymity of the patient protected?: Yes

Comments to authors:

The authors describe a poly-microbial infections of hip prosthesis due to different MDR microrganisms whose diagnosis was supported by novel diagnostic test (Septi fast) in addiction the the conventional ones (bacterial cultures).

The paper needs, in my opinion, some more details.

Is is unclear to me, why the patient had the hip prosthesis removed for more than one year. How was the patient maneged for such a long time.
Please specify what do you mean for "all the investigation were done to exclude residual infections". What is the role of ERS an PCR in your protocol?

Was ciprofloxacin administered orally?

Please specify how were adverse events monitored during therapy (CPK, liver and kidney function...)

Please specify the weight of the patient in order to better understand the appropriateness of antibiotic dosages (for example Teicoplanin). Please specify how Colistin was administered (route and number of administration). Was Acinetobacter susceptible to Tigecycline?

Discussion.

The management of this case should be discussed much more extensively as one of the major issue of the case itself is the complexity of the therapeutic approach. The reader would be very much interested to better understand how was the patient managed in an outpatient setting

**Quality of written English:** Acceptable