Reviewer's report

Title: Eosinophilic Pneumonia Associated with Daptomycin: A Rare Case and Literature Review

Version: 1 Date: 5 June 2010

Reviewer: Georgios Kouliatsis

Which of the following best describes what type of case report this is?: Unreported or unusual side effects or adverse interactions involving medications

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?: No

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?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

This report means to present a case of daptomycin-induced eosinophilic pneumonia. Daptomycin has already been reported as a rare yet well-recognised cause of eosinophilic pneumonia. Having mentioned that, the authors’ report is detailed and the review of the relating literature is thorough, thus highlighting an uncommon but potentially lethal adverse reaction concerning daptomycin, an effective and increasingly used antibiotic agent.

There is, however, a serious limitation in the manuscript that needs to be addressed by the authors before this case report can be published. It is mentioned that the patient was also treated with penicillins. Specifically, the patient was treated was oral amoxycillin before admission. Furthermore, it is my understanding
that the patient was treated for infectious endocarditis with high doses of ampicillin and daptomycin and administration of both drugs was initiated and discontinued at the same time. Penicillins, and especially ampicillin, are extensively described and well-recognised offending agents for drug-induced eosinophilic pneumonia. It seems impossible to decide whether daptomycin or penicillins was responsible for the adverse drug reaction based only on the details provided in the manuscript. Further tests, such as Provocation Drug Test, should be carried out. The authors should give more details regarding this issue and perhaps include it in the discussion of the report.

Quality of written English: Acceptable

Declaration of competing interests:

I declare that I have no competing interests