Reviewer's report

Title: A case of pleural effusion caused by Mycobacterium fortuitum and Mycobacterium mageritense coinfection

Version: 0 Date: 04 Jun 2019

Reviewer: Octavio Miguel Rivero-Lezcano

Reviewer's report:

The authors report a rare combination of two nontuberculous mycobacteriosis produced by the rapidly growing mycobacteria, M. fortuitum and M. mageritense in pleural effusions (extrapulmonary) and BAL (pulmonary). The patient is affected by several risk factors, including advanced age, an autoimmune disease (rheumatoid arthritis) or immunosuppression therapy.

Major points

1. How many times were the microorganisms isolated from BAL or pleural effusions? Just once? May the authors rule out the possibility of cross-contamination?

2. Did the authors obtained negative cultures from BAL and pleural effusions after treatment?

3. Mycobacteriosis require prolonged treatments with drugs that may have adverse effects. Did the patient suffer any of these effects? How was the tolerance of the drug regime?

Minor points:

1. In keywords and throughout the text, Non-tuberculosis mycobacteria is Nontuberculous mycobacteria.

2. Name of species always in italics (see keywords).

3. In the abstract, it should be added in the Discussion paragraph that there are no previous reports of coinfection with nontuberculous mycobacteria in pleural effusions.


5. Do the authors have a hypothesis to explain the low proportion of lymphocytes in leukocytes (22.7%).

6. Some fragments in the discussion has already been described in the results section. Consider avoiding repetitions.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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