Reviewer's report

Title: A case of acute hydrothorax complicating peritoneal dialysis

Version: 1 Date: 10 March 2010

Reviewer: Massimo Cocciolo

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

If other, please specify:

Presentation, diagnosis and management of a rare complication of a common therapeutic practice

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:

This is a single case report describing an acute hydrothorax one week after of a peritoneal dialysis. Fluid analysis and Radiological/Nuclear Medicine images, together with the temporal association between the two events, are consistent with a cause/effect relationship even if, as underlined in Discussion, no single diagnostic approach is accurate.

I would have liked to read some additional comments about the differential diagnosis in this case, i.e., Lupus-related essudative pleuritis, nephrotic
transudative hydrothorax, infection, etc. How do the Authors explain the
difference between peritoneal and pleural LDH concentrations? Have
bacterioscopical and cultural test performed in the fluid? Was the patient under
steroid treatment for LES?

Overall the manuscript is well written and worthy of publication, as it can help a
correct diagnosis and management of similar cases.

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare that I have no competing interests