Reviewer's report

Title: Acute psychosis as an initial manifestation of hypothyroidism: case report

Version: 2  Date: 17 August 2015

Reviewer: Rajshekhar Bipeta

Which of the following best describes what type of case report this is?:
Unexpected or unusual presentations of a disease

Do you believe the case report is authentic?:

Yes

Do you have any ethical concerns?:

No ethical concerns

Is the Abstract representative of the case presented?:

No.

Other comments.

1) 'Hypothyroidism is one of the most relevant causes of treatable dementia'
Comment: better to say 'most important causes of treatable dementia'.

2) Hallucinations mentioned in abstract; but, not explained in text.

3) 'On the admission, his general conditions were unremarkable, but the body CT examination revealed a pleural effusion and ascites, and blood investigation revealed that he had hypothyroidism.'
Comment: Please consider rewriting as follows:
"On admission, general physical examination was unremarkable. However, blood investigation showed the presence of hypothyroidism and computed tomography revealed pleural effusion and ascites."

Does the Introduction explain the relevance of the case to the medical literature?:

Introduction is too short. Need to further discuss earlier literature.

Does the article report relevant patient information?: No

Does the article report relevant physical examination findings?: No
Does the article report important dates and times in this case?: Yes

Does the article report the diagnostic assessments?: No

Does the article report the types of intervention?: No

Does the article report a summary of the clinical course of all follow-up visits?: No

If any information is missing from the reporting, please detail it here.:

Please see the attachment for my comments.

Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?:

Please see the attachment for my comments.

Does the case represent a useful contribution to the medical literature?:

As pointed in the attachment, there are significant gaps in the case report. Authors need to address these. My final comment would depend on the revised manuscript.

Was written informed consent to publish this case obtained?: Yes

Is the anonymity of the patient protected?:

Yes

Additional comments to authors?:

1) The qualifications and current designation of each author should be explicitly stated in the published version of the manuscript.

2) It is rare for a person to present with hypothyroidism so late in life. The presence of pleural effusion and ascites raises possibility of other underlying disorder. Another point worth noting is that the improvement of thyroid functions did not improve psychosis. All these point to the need for evaluation of other causes..

3) Please also mention the sequence of referrals. Did the patient directly report to Neurology, or did he first consult other specialist?

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited
Declaration of competing interests:

Nil