Reviewer's report

Title: Porencephaly and psychosis: a case report and review of the literature

Version: 2 Date: 19 November 2009

Reviewer: Murat Kuloglu

Reviewer's report:

Major Compulsory Revisions

Comment to the authors

This case report suggests the association between the presence of a porencephalic cyst and psychosis. The discovery of a porencephalic cyst in a person with a psychotic disorder raises diagnostic and therapeutic problems that are extremely significant from a clinical point of view. The case presentation is in general well structured. The images that were chosen illustrate well the affected regions. The references utilized are adequate. In my view, this report is suitable for publication after it is revised, as follows.

1. Pae and Kim (2009) proposed that their patient’s psychotic symptoms were not a direct consequence of the brain lesions since their patient’s MRI findings before and after her psychotic symptoms were not changed. Therefore, the authors should inform about the patient’s previous brain MRI to know whether current MRI findings were significantly different from previous findings.

2. The authors should inform about the patient’s laboratory studies including neuroendocrine evaluation which would reflect any other related medical conditions.

3. The authors mentioned that their patients had neurological signs and symptoms in addition to her psychotic symptoms. The authors should mention whether this patient was consulted by neurosurgery department. Did the neurosurgery department planned a surgical intervention or another treatment procedure? With this regard, the authors should inform on the treatment strategies of porencephalic cysts, especially when the patients have neurological signs and symptoms.

4. The authors should be mentioned about the association between schizophrenia and temporal lobe in discussion section.

5. Finally, the authors should explain why they chosen olanzapine in the treatment of this patient. Concerning the use of alternative agents in this case, suitable choices (for example a typical antipsychotic or another atypical antipsychotic) should be mentioned.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being
published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.