Reviewer’s report

Title: Cerebral neurocysticercosis mimicking or comorbid with episodic migraine?

Version: 2 Date: 3 June 2014

Reviewer: Jakob Møller Hansen

Reviewer’s report:

Discretionary Revisions
1: The headache reported by the patient is well described (first paragraph in case presentation). Were all attacks as described or very similar, or were there any variation?

2: The authors state in the abstract that there was a significant reduction in headache frequency and severity. Does the authors suggest that there was a statistically significant reduction? If so, please present p-values and 95% CI, and add a relevant statistical paragraph to methods.

3: Given the CT findings and the knowledge that cerebral neurocysticercosis may increase the intracranial pressure (resulting in headache, nausea, and vomiting) did the authors perform a lumbar puncture? I can not find any mentions of this in the manuscript.

4: The frequency of the patients’ headaches increased up until the patient was seen and treated by the authors. As always in small uncontrolled reports, is is likely that rather than being the effect of the treatment, this treatment result was simply a regression toward the mean. This is supported by the fact that the migraine did not disappear completely after successful correct treatment of the suggested causing agent. The presented case does not necessarily support the claim in the first paragraph on p 6 (in the discussion) that this is in fact a neurocysticercosis-induced migraine. As noted by the authors, on p 7, the lack of follow-up data on headache frequency/severity makes it difficult to make robust conclusions based on this report.

The authors openly present these limitations in the discussion of this interesting case.

Level of interest: An article of limited interest

Quality of written English: Acceptable

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.