Reviewer’s report

Title: Posterior reversible encephalopathy syndrome in a child with cyclical vomiting and hypertension: A case report

Version: 1 Date: 8 October 2010

Reviewer: Doriette Soler

Which of the following best describes what type of case report this is?: New associations or variations in disease processes

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:

In this case report authors describe a new association between PRE and cyclical vomiting

Content of report: The report outlines clearly the clinical presentation and course. Investigations performed were well planned and extensive enough to rule out significant underlying causes of hypertension, episodic encephalopathy and gastroenterological diseases. The MRI scan was included in order to illustrate radiological changes.

Discussion: Has highlighted some of the reported associations and the rational of the investigations performed to rule out significant underlying pathology.

Suggested changes include:
1. Report has been adequately referenced to include the published associations but lacks a reference of the various reported imaging changes in this condition. A brief discussion of this is important as diagnosis rests on the radiological findings.

2. The authors need to emphasize the ‘take home’ message i.e. that this is a rare disorder in children and that early recognition of characteristic MRI changes is key to the diagnosis as clinical symptoms may be non-specific and mimic other encephalopathic illnesses.

3. It would be desirable if region of interest is indicated on the MRI scan.

I agree that this interesting case report is published as it has described a new association which has clinical relevance and broadens the spectrum of this disorder.

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare that I have no competing interests