Reviewer’s report

Title: Tumefactive perivascular spaces mimicking cerebral edema in a patient with diabetic hyperglycemic hyperosmolar syndrome

Version: 1 Date: 3 January 2013

Reviewer: Gabriel Alcalà

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?: No

Is the case report persuasive?: No

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 well described, interesting and very educative case report about giant perivascular spaces.

General comments:

Although authors informed resolution of headache after normalization of blood plasma glucose, is suggestible that they explain some about cranial nerve palsy after treatment. Respectfully, I suggest to authors discuss more about this topic. Authors should consider including imaging of the posterior fossa (T2/FLAIR), because there should be clarified if there are abnormalities near from motor nuclei of VI nerves. Dilated perivascular spaces could rarely be symptomatic and posterior fossa is a relatively frequent location.
For illustrative purposes, authors should add more information in the discussion about previously reported etiologies. I think the reader would like to know about clinical relevance of gian perivascular spaces.

After consideration of these observations, I hope that the manuscript would be clearer.

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare that I have no competing interests