Reviewer's report

Title: Central modulation in cluster headache patients treated with occipital nerve stimulation: an FDG-PET study

Version: 1 Date: 31 December 2010

Reviewer: Zaza Katsarava

Reviewer's report:

ONS Stimulation is a novel method for treatment of patients with chronic cluster headache who do not respond to standard medical treatment. The mechanisms of ONS stimulation are not entirely clear. Therefore the study by Prof. Schoenen and his group makes a lot of sense to me.

The study is well done, there are not many headache clinics who have so many cluster patients treated with ONS and access to PET study. The manuscript is well written and informative so I do not have any additional comments

1. Is the question posed by the authors well defined?  
   yes

2. Are the methods appropriate and well described? 
   yes

3. Are the data sound?  
   yes

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?  
   yes

5. Are the discussion and conclusions well balanced and adequately supported by the data?  
   yes

6. Are limitations of the work clearly stated?  
   yes

7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished?  
   Not applicable

8. Do the title and abstract accurately convey what has been found?  
   yes

9. Is the writing acceptable?  
   Yes