Reviewer's report

Title: Painful vertical diplopia as a presentation of a pituitary adenoma

Version: 1 Date: 13 November 2006
Reviewer: Luc Portmann

Reviewer's report:

General

------------------------------------------------------------------------------------
Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

1. In the section Case Report:
   - the level of a pituitary hormonal and metabolic work-up, in addition to thyroid tests, has to be detailed: ACTH, cortisol, IGF-1 and especially the prolactin level have to be mentioned, as a reversal of the palsy has been described. The report of M.H. Brisman (J.Neurosurg 85; 1153-1155, 1996) has to be mentioned in the discussion section, considering their description of a rapid progression of a third nerve palsy in relation to a macroprolactinoma, who presented with a pituitary apoplexy, which resolved with an immediate course of bromocriptine.
   - the nature of the tumour has to be detailed: purely cystic, signs of haemorrhagic infarction, results of an immunocytochemical analysis.
   - language corrections (see below)

2. In figure 2, a coronal view and not only sagittal section has to be presented (figure A and B)

------------------------------------------------------------------------------------
Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

- language corrections (see below)

------------------------------------------------------------------------------------
Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of importance in its field

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