Reviewer's report

Title: Prolactinomas, Cushing's disease and acromegaly: debating the role of medical therapy for pituitary adenomas

Version: 1 Date: 24 November 2009

Reviewer: Vera Popovick

Reviewer's report:

The review on medical therapy for pituitary adenomas is aimed to provide information to a broad biomedical audience and is written according to this aim. The review is written by experts who have the necessary experience and who have extensively published on the issue.

Some minor revisions:

Page 8 instead of nontumoral prolactinomas should be nontumoral hyperprolactinemia

Page 11 should be mentioned that resistance to dopamine agonists discussed in this section is partial resistance since true and severe resistance is seen only in prolactin- carciromas.

Page 19 In the section Radiotherapy the sentence starting with Stereotactic radiosurgery administered in single dose refers only to (gamma knife). Stereotactic radiotherapy on the other hand includes the use of proton beam and LINAC, so this needs to be corrected.

Fig 1. Raises safety concerns for cabergoline in terms of developing moderate tricuspid valve regurgitation but as correctly discussed this is still a matter of debate amongst endocrinologists and not yet solved. Since this review is aimed at broad audience I wonder if we need this figure, isn't the discussion enough for this yet unsettled issue!

Level of interest: An article of importance in its field

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