Reviewer's report

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

Version: 1 Date: 9 November 2009

Reviewer: Ferdinand Roelfsema

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The manuscript 'Prolactinomas, Cushing's disease and acromegaly: debating the role of medical therapy for pituitary adenomas" is a review on current therapeutic options in these disorders. The manuscript is clearly written and probably intended for the internist and GP.

There are a few issues which should be considered by the authors.

1. It is not clear why the authors excluded the under-diagnosed thyrotropinoma and gonadotropinoma from this review. In fact, all functional pituitary adenomas are rare.

2. Nelson's syndrome is mentioned, although not the associated disturbing hyperpigmentation. The authors do not discuss the treatment of this syndrome.

3. Although extremely uncommon at young age, the treatment of pituitary adenomas in children is not discussed.

4. A few lines on treatment of adenomas in pregnancy should be considered.

5. A new line of extremely potent drugs for pituitary adenomas, the chimeric drugs developed by Ipsen, is not mentioned.

6. Decrease of IGF-I by peripheral actions of somatostatin analogs in liver and other peripheral organs is not discussed. The contribution of liver-derived IGF-I to disease activity etc is not established in man.

Level of interest: An article of limited interest

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