Reviewer’s report

**Title:** Pregnancy-induced Cushing’s syndrome with an adrenocortical adenoma overexpressing LH/hCG receptors: a case report

**Version:** 0  **Date:** 27 Mar 2020

**Reviewer:** Yoshitaka Hashimoto

**Reviewer's report:**


The authors reported rare case of pregnancy-induced Cushing's syndrome with an adrenocortical adenoma overexpressing LH/hCG receptors. The authors performed the proper test for diagnose and showed the results of immunohistochemistry. This article is potentially interesting and useful for endocrinologist; however, there is several minor problems to be solved.

1. **Abstract.** It is desirable to include the result of immunohistochemistry in the Abstract.

2. **Background.** I think the sentence "G-protein-coupled receptor (GPCR), the expression of G protein-coupled receptor-1 (GPER-1), as well as LHCGR and melanocortin 2 receptor (MC2R), were detected in the adrenal adenoma of our patient by immunohistochemistry (IHC)." would mislead the general readers into that GPER-1 and MC2R were also positive. Please rephrase this sentence.

3. **Case presentation.** Is there association between her abortion and pregnancy-induced Cushing's syndrome? Did the authors ask about the course of her previous pregnancy? The same symptoms existed or not?

4. **Background, Case presentation and Fig 2.** It's self-explanatory, but it should indicate which organ were stained.

**Are the methods appropriate and well described?**  
If not, please specify what is required in your comments to the authors.

Unable to assess

**Does the work include the necessary controls?**  
If not, please specify which controls are required in your comments to the authors.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**  
If not, please explain in your comments to the authors.
Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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