Reviewer's report

Title: A novel mutation of the StAR gene with congenital adrenal hyperplasia and its association with heterochromia iridis: a case report

Version: 0 Date: 31 Jul 2019

Reviewer: Carla Bİzzarri

Reviewer's report:

The manuscript is a well written case report on a patient with congenital adrenal hyperplasia due to a new mutation in the StAR gene.

Heterochromia iridis was associated and the authors suppose a causal link between severe adrenal insufficiency with extremely high ACTH levels and heterochromia (through concurrently high MSH levels).

Even id hyperactive ocular melanocytes have been described in association with high ACTH levels, it does not seem plausible a primary causal association with heterochromia iridis, which is usually considered as a genetic condition.

The discussion and the conclusions regarding this point should be modified.

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

Yes

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.

No

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:

Acceptable

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