Reviewer’s report

Title: A retrospective analysis of adrenal crisis in steroid-dependent patients: causes, frequency and outcomes

Version: 0 Date: 07 Aug 2019

Reviewer: Carla Giordano

Reviewer's report:

Authors have evaluated the causes and the frequency of adrenal crises in a group of UK patients and the degree of satisfaction with emergency medical services. The study findings are quite interesting, even though several issues need to be addressed by the authors.

1) The English language need to be revised by a native language expert.
2) It would be interesting to understand the type and the dose of steroid treatment during the adrenal crisis.
3) A stratification according to disease etiology (primary and secondary adrenal insufficiency) should be done, to better understand how many patients with primary and secondary adrenal insufficiency had an adrenal crisis and the characteristics of these patients (gender, age, comorbidities, type of steroids). A table would be nice.
4) Some information on the numbers of previous adrenal crises would be interesting.
4) In the discussion, studies reporting the beneficial effects of the innovative treatment, dual release hydrocortisone, should be mentioned. Notably a recent work by Guarnotta et al. Endocrine connections 2019 reported a low risk of adrenal crises among patients treated with dual release hydrocortisone.

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.

No

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:

Not suitable for publication unless extensively edited

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