Reviewer’s report

Title: Dysuria due to benign prostatic hyperplasia of the median lobe with ketamine-associated uropathy in a young male

Version: 0 Date: 30 May 2019

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

RELEVANCE - Does this case report make a contribution to medical knowledge, have educational value, or highlight the need for a change in clinical practice or diagnostic/prognostic approaches?
Yes, this report contributes to medical knowledge

CASE DESCRIPTION - Are the details of the case sufficiently well described to understand the patient's symptoms and course of treatment?
No - there are minor issues

DIAGNOSIS/INTERPRETATION - Based on the facts presented, are the diagnosis, interpretation, and course of treatment medically sound?
Yes, the work described is medically sound

DISCUSSION OF THE CASE - Does the discussion appropriately analyse the importance of the findings and their relevance to future understanding of disease processes, diagnosis or treatment? Has an adequate literature review pertinent to the case been included?
Yes, the case is discussed fully in the context of the literature

OVERALL MANUSCRIPT POTENTIAL - Could an appropriately REVISED version of this work represent a technically sound contribution?
Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: The authors report, an authentic case of ketamine-induced uropathy that draws its particularity in the fact that it is associated with benign hyperplasia of the median lobe of the prostate in a young patient. Although interstitial cystitis and urothroeutridhaphrosis are well known in ketamine-induced uropathy, prostatic involvement is not known at all. As such, the manuscript merit to
be published.

REQUESTED REVISIONS:

It is desirable that the authors further describe in the discussion the imputability arguments of ketamine in prostatic lesions. Are they the consequence of bladder injury? or are they due to the direct toxicity of ketamine metabolites? Is it possible to know the doses of ketamine consumed by the patient? The discussion should include comparisons with other cases described in ketamine-induced uropathy literature associated with urethrohydroephrosis.

Please confirm that you have included your review in the ‘Comments to Author’ box?

As a minimum standard, please include a few sentences that outline what you think are the authors’ hypothesis/objectives, their main results, and the conclusions drawn. Your report should constructively instruct authors on how they can strengthen their paper to the point where it may be acceptable for publication, or provide detailed reasons as to why the manuscript does not fulfill our criteria for consideration. Please supply appropriate evidence using examples from the manuscript to substantiate your comments. Please break your comments into two bulleted or numbered sections: major and minor comments. Please note that we may not be able to use your review if no comments are provided. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included as text in the ‘Comments to Author’ box.

Yes

Are the methods appropriate and well described to allow independent reproduction of experiments?

Please state in the ‘Comments to Authors’ box below what you think are the strengths and weaknesses of the methods (study design, data collection, and data analysis), and what is required, if anything, to improve the quality of reporting.

No

Does the work include the necessary controls?

If not, please explain in the ‘Comments to Author’ box below.

Yes

Are you able to assess the statistics?

- Are the statistical test(s) used in this study appropriate and well described?
- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?
- Are the description of any error bars and probability values appropriate?
- Are all error bars defined in the corresponding figure legends?
- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

Please can you confirm which of the following statements apply to your statistical assessment of the manuscript (Please include details of what the authors need to address in the ‘Comments to Author’ box).

Yes
This question is not applicable to this manuscript

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in the ‘Comments to Author’ box below.

Yes

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

Not suitable for publication unless extensively edited

**Should the manuscript be highlighted for promotional activity?**
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No

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