Reviewer’s report

Title: Single nucleotide polymorphisms associated with postoperative inadequate analgesia after single-port VATS in Chinese population

Version: 1 Date: 08 Dec 2019

Reviewer: Dario Bugada:

Reviewer's report:

I would like to thank the authors for their contribution

This is an innovative observational study on pain genetic, investigating pain after VATS and presenting the possible association between VG channels and ineffective analgesia in the first 24 hours.

The introduction is well written and focused to the topic, introducing study's aim.

Methods are well described. Inclusion and exclusion criteria, sampling and genetic analyses, observations and clinical protocols are clearly presented. Results are clear and complete, as well.

I only have some minor concerns:

The authors exclude from analysis other important genes involved in pain perception and opioid response (eg OPRM1, COMT). Theoretically, genetic variation in these genes may account for different pain perception and opioid response, thus influencing the ratio of patients experiencing incomplete analgesia. I guess it is not possible to study these genes now, and control for possible confounding effect, but I guess this aspect may at least be stated and discussed in the discussion session

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.

Yes

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.
I recommend additional statistical review

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

Acceptable

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