Reviewer's report

Title: Prospective Investigation of Patient-Controlled Intravenous Analgesia with Hydromorphone or Sufentanil: Impact on Mood, Opioid Adverse Effects, and Recovery

Version: 1 Date: 26 Jan 2018

Reviewer: Byung-Gun Lim

Reviewer's report:

Line 179, "pump" -> "a pump (please insert a device name and manufacturer information)"

Line 181, haemodynamic -> hemodynamic

Lines 195-196, The patient controlled analgesia device -> The IV-PCA device

Lines 246-253: The font is smaller and so it should be corrected.

Line 261, least significant difference t-test (LSD) -> least significant difference (LSD) t-test

Figure 1: In Group S, the description about "Excluded" was broken. Correct it.

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?

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I recommend additional statistical review

**Quality of written English**

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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