Reviewer’s report

Title: PRESERVATION OF RENAL FUNCTION IN CARDIAC SURGERY PATIENTS WITH LOW CARDIAC OUTPUT SYNDROME: LEVOSIMENDAN VS BETA AGONISTS

Version: 1 Date: 10 Dec 2018

Reviewer: Arezoo Ahmadi

Reviewer's report:

Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format.

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Dear editors, this article needs major essential revisions:

Background:

At first in abstract:

1- The aim of the study is a little different with the title.

2- Please write the type of your study

3- In conclusion, it is better to write the possible effect of levosimendan is protective role against renal dysfunction.

4- Method:

page 5: Methods:

first paragraph, line 5, cardiac rate needs to change in cardiac index

first paragraph, line 5 , 2 l/min/m2

Please discuss your methods to measure cardiac output in perioperative and postoperative phases.

How many days you follow theses patients?

what is your goal for tapering of beta agonists and levosimendan?
Did you have any patients who need mechanical support?

Results:

Please insert p values in all tables.

In table 3, ns means not significant, please write it.

Please correct table 2, in this table the number of patients with no renal failure: 103, with renal failure: 103, but the total participants are 15.

Discussion:

don't you have any limitations in this study?

how you can define acute kidney injury in these patients?

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 am able to assess the statistics

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

Needs some language corrections before being published
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