Reviewer’s report

Title: The effects of levosimendan on brain metabolism during recovery from global transient ischaemia/hypoxia

Version: 3 Date: 6 July 2012

Reviewer: Davud DY Yapici

Reviewer’s report:

I would like to congratulate the authors for choosing an original subject. The title and the abstract of the manuscript are decent. The aim of the study is well defined. The material and methods are appropriate and well designed except the small number of the rats used in the study. I believe that this situation is not affecting the results.

Although, the authors conclude that “levosimendan did not exhibit neuroprotective actions in a model of ischaemic/hypoxic cerebral injury “, this result might show a valuable data for the future studies. In ischemic brain conditions, physicians do not have any alternative drug for the cerebral protection except standard life support medications.

Limitations of the study is clearly defined. Authors probably inspired from the well reported beneficial cardioprotective effects of the levosimendan and in this study they tried to conduct a study related for cerebral protection. The base of the study clearly supported with well selected references.

I am not recommending any major or minor revisions.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

# do not have any financial competing interest.