Reviewer’s report

Title: Traumatic Brain Injury (TBI) outcomes in an LMIC tertiary care centre and performance of trauma scores

Version: 0 Date: 19 Sep 2017

Reviewer: Dhaval Shukla

Reviewer's report:

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The authors describe a study of 100 patients admitted in 14 bedded ICU over a period of 70 days. The intention of the study is to gather data of outcome of patients discharged from ICU after treatment of TBI, as such a data from country of origin of this study is lacking. However, there is no lack of data from neighboring LMICs, which authors should have discussed and compared their results with these data. Following are two examples of similar studies from LMICs.

Guideline Adherence and Outcomes in Severe Adult Traumatic Brain Injury for the CHIRAG (Collaborative Head Injury and Guidelines) Study.


Deepika A1, Devi B12, Shukla D2.

It is surprising that the authors did not find any difference between outcome of patients with moderate vs severe TBI, which is counterintuitive.
The authors have not given any explanation about the same. The possible reason could be associated major extra cranial injury, but the trauma scores were low, and this may not be reason.

In table the ISS is mentioned as about 6. All patients with severe TBI will have ISS> 15. This error in computation of ISS may be responsible for lack of value of ISS in predicting outcome.

Are the methods appropriate and well described?
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No

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Yes

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