Reviewer’s report

Title: Safety and costs analysis of early hospital discharge after brain tumor surgery: a pilot study

Version: 0 Date: 22 Mar 2020

Reviewer: Syed Nusrath

Reviewer’s report:

1. Age is expressed in the median with the standard deviation there is a strong doubt that it is mean value and not median. Mean is expressed with standard deviation, which measures dispersion from the mean value and not a median, whereas the median is expressed with range. Kindly correct it.
2. Univariate analysis is missing in the study; only multivariate analysis is mentioned.
3. The authors should clearly mention where student T-test was utilized and where Mann Whitney test, instead of giving a blank statement that the Student T-test or Mann-Whitney test was used as appropriate.
4. This retrospective study with non-parametric data distribution does not fit into criteria for doing student t-test as there are no matched pairs.
5. ECOG PS of 3 and less corresponds to Karnofsky score of 70 and less, wonder why such a significant difference exists between the groups.
6. Rate of reoperation was nil in the pre-DAHD group. The incidences of major and minor complications; readmission rates were not different between both the groups. Return to the emergency department (21.9 vs. 29.4 %), the mortality rate (3.1 vs. 6.1 %) was though not significant was in favor of pre DAHD group, how does it translate in a high cost of hospitalization for the pre-DAHD group in comparison with post DHPD. Also, the overall 30 days cost remains similar.
7. What was the methodology used for calculating the total cost of hospitalization (Which should be simply the cost of ICU + cost of the ward)?

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:

Acceptable

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