Reviewer’s report

**Title:** Impact of the introduction of an endotracheal tube attachment device on the incidence and severity of oral pressure injuries in the Intensive Care Unit: a retrospective observational study

**Version:** 0  **Date:** 16 Jul 2017

**Reviewer:** Florence Wong

**Reviewer’s report:**

The article is important to improve care for patients with ETT. Please see my comments below

- in literature review, the authors should provide more details about oral pressure injuries resulting from ETT care. Currently, tapes, endotracheal tube holders, ETADs are still used in clinical setting. Authors should provide data about injuries resulting from those methods.

- In methods, the description about AnchorFast is not appropriate put in this section.

- It is unclear if all patients who were using AnchorFast devices were selected. In 2.4 Data collection, "The medical records of all patients receiving invasive mechanical ventilation in the study ICU during the post-AnchorFast period were reviewed to identify whether patients ever had their ETT secured using an AnchorFast™ device". However, in page 8, the paragraph starting from line 9, authors reported pressure injuries in patients with anchorfast devices or cloth tapes. Please clarify.

- ICU patients are comparatively weaker than other patients. The risk of injuries can be increased due to poor nutritional status and general condition. Authors should report a bit detail about demographic characteristics and clinical condition in the context as those data can be useful to understanding the incidence of pressure injuries.

- The sample sizes of 2 groups even in patients with AnchorFast was small. The authors should pay more attention to interpret the results especially only comparing patients with pressure injuries. How about the results when compare patients using AnchorFast with and without pressure injuries?

**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.

Unable to assess
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

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 recommend additional statistical review

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

Acceptable

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