Reviewer’s report

Title: Anemia and perioperative mortality in Non-cardiac Surgery patients: a secondary analysis based on a single-center retrospective study

Version: 0 Date: 21 Feb 2020

Reviewer: Bamidele Alegbeleye

Reviewer's report:

REVIEWER’S COMMENTS OR SUGGESTIONS

TITLE: This is OBVIOUSLY INAPPROPRIATE for the message the authors wish to present. Can actually be trimmed better than this:

a) Interrelationship between anemia and perioperative mortality in Cardiac Surgery patients
b) Anemia and perioperative mortality in Cardiac Surgery patients
c) A Prospective study of Anemia and perioperative mortality in Cardiac Surgery patients

ABSTRACT:

1. PLEASE REWRITE TO REFLECT YOUR WORK PRECISELY.
2. WORD COUNT OF 262 WORDS -REDUCE TO 250 WORD COUNTS
3. OBJECTIVE OF THE STUDY MUST ALWAYS BE STATED AS PART OF THE INTRODUCTION: The study was conducted to HIGHLIGHT the specific relationship between anemia and perioperative mortality in surgical patients at different ages

INTRODUCTION:

1. THE FIRST ELEVEN SENTENCES ARE FACTS THAT MUST BE REFERENCED:
2. PLEASE ADD APPROPRIATE CITATIONS
3. "INTRODUCTION
4. METHODOLOGY: WRONGLY PRESENTED
1. Study design and setting
For example: This observational retrospective study was conducted in the Department of Surgery over a two year period covering January 2017 and December 2018. The St Elizabeth Catholic General Hospital is located in Shisong-Kumbo, Northwestern region of Cameroon. It serves as a referral hospital for a teeming population of five million people from the geo-political zone.

2. Study population and procedure

FOR EXAMPLE: We included in this study all patients operated on for generalized peritonitis for which a final diagnosis of perforated typhoid ileitis was made. The diagnosis of

3. Data source {NOT MENTIONED IN YOUR STUDY} below is for example---- Data source included admission registers of the emergency department, patient's admission files, post-operative note registers and report books of the surgical wards. For each patient included, we recorded on a pre-validated proforma designed for this study regarding patient's characteristics, to include demographic details, clinical features, past medical history, interval between onset of symptoms and hospital admission, operative findings, procedure performed, postoperative complications and duration of stay in hospital as well as the final outcome. The definition of sepsis, septic shock and multi-organ failure was according to the American College of Chest Physicians/Society of Critical Care Medicine Consensus Conference Committee of 1991 as modified in 2001 [27, 28]. While the Clavien-Dindo classification was used to determine severity of complications [29, 30].

4. OTHER CONSIDERATIONS

This study is completely exposed to significant error of sampling and schematic bias as retrospective study.

A smaller study sample but as prospective and randomized controlled trial study is far better.... Author need to comment.

You are able to follow-up the two groups and able to properly identify effect of anemia in test-group and non-anemic patient as control-study group.

RESULTS

1. TABLES SHOWED THE RESULTS BUT MENTIONED only in very few places IN RESULT SUB-SECTION

2. Author needs to correct this …

DISCUSSIONS: NOT APPROPRIATELY PRESENTED;

3. Not another result but discussion of outcomes
CONCLUSION:

* This needs to reflect the overall report or the summary of key findings from the study.

* Please adjust as appropriate.

REFERENCES:

* TOO NARROWED RANGE OF REFERENCE

* PLEASE EXPAND

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

No

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

No

**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:

Needs some language corrections before being published

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