Reviewer’s report

Title: Thrombus aspiration catheter improve the myocardial reperfusion of STEMI patients with high thrombus load during the emergency PCI operation

Version: 0 Date: 26 Jul 2019

Reviewer: Ajay Jha

Reviewer’s report:

Comments

In this study the authors have evaluated the safety and efficacy of thrombus aspiration catheter over conventional balloon dilatation in patient with STEMI with high thrombus load. The authors have reported non-significant difference in echocardiographic outcomes and MACE between the groups. However, TIMI flow grade improved significantly without any incidence of stroke.

General comments

1. The whole manuscript needs grammatical correction and rephrasing of several sentences

2. The sample size appears inadequate and it requires a reasonable hypothesis based on previous studies to find the adequate number of patients in order to get adequate number of outcomes.

3. In the current study, insufficient number of MACE does not provide statistically significant conclusive evidence.

4. There is no baseline echocardiographic data to compare with post PTCA echocardiographic variables. The change in LVEDD and EF after PTCA should have compared with baseline variables before PTCA in both the groups.

Specific Comments

1. Title should be modified suitably

2. Rephrase sentence in conclusion based on result.

3. Introduction should be short and succinct.

4. Write in detail about statistics, sample size calculation.
5. Discussion should have been more focused.

**Level of interest**
Please indicate how interesting you found the manuscript:

An article of limited interest

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

Not suitable for publication unless extensively edited

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