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: 05 Jul 2019

Reviewer: JW Moses

Reviewer’s report:

What antecedent drugs were used on these patients.

Were GP IIb/IIIa inhibitors used before or after aspiration?

Why is there such a long delay from symptom onset to hospitalization? This is many hours longer than most clinical trials, indicating perhaps a more mature thrombus less susceptible to complete aspiration.

Was the thrombus in any way quantified to justify the title of high thrombus burden?

How was the sample size of 200 arrive at? Was there a primary endpoint and what were the assumptions in the trial?

Were these consecutive patients and did they need to have specific consent for randomization?

What was the pre-PCI TIMI flow in this group of individuals?

What were the regional wall motion scores? Hard to detect an ejection fraction benefit with ejection fractions as high as these. Secondly, what were the EKGs of these patients and what was the ST segment resolution?

Was myocardial blush also assessed?

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:

Needs some language corrections before being published

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