Reviewer’s report

Title: Optimal Strategy of Primary Percutaneous Coronary Intervention for Acute Myocardial Infarction due to Unprotected Left Main Coronary Artery Occlusion: study protocol for a randomized controlled trial

Version: 1 Date: 26 Dec 2018

Reviewer: Anna Johnson

Reviewer's report:

General:

The authors provided helpful responses to reviewer comments.

Instead of "all-cause death," the authors may consider the wording "all-cause mortality" (minor point).

There are grammatical and punctuation errors throughout, but this can be fixed by the final editors.

The authors provided a good case for why this trial is important.

I look forward to reading the results of this trial.

Abstract:

Specify # (30) and general location (China) of hospitals in abstract.

Table 1:

< or <= for age?

Definitions would be better placed below table as footnotes

Also include the definition for life expectancy in a footnote

Methods:

What was the participation rate from hospitals that were recruited (%)? Were there any differences in the characteristics of hospitals that agreed to participate vs. those that did not? Was there any training by OPTIMAL staff of physicians completing the protocol?
Response #1:

In addition to listing each of the participating hospitals, a summary table would be helpful that summarizes hospital characteristics (e.g., Bed size, rural v. urban, Historical annual volume of AMI patients at each hospital, etc.)

Response #2:

To address the concern raised in Comment 2, it would help to put in Supplementary Table 1 the historical annual volume of AMI patients at each hospital.

Response #6:

The authors may want to state this response in the manuscript briefly, as other readers may have this same question.

Response #8:

Add this in a footnote too in Supplementary Table 1 and in the text of the Methods section.

Level of interest

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Quality of written English

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

Quality of figures

All images and figures within the manuscript should be genuine i.e. without evidence of manipulation. No specific feature within an image may be enhanced, obscured, moved, removed, or introduced. If you have concerns about the veracity of the figures you should choose the first option below.
**Statistical review**

Is it essential that this manuscript is seen by an expert statistician? If so, please give your reasons in your report.

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