Reviewer’s report

Title: Early inter-hospital transfer of patients with myocardial infarction without a doctor, paramedic or nurse on board: results from a French regional emergency care network

Version: 1 Date: 19 Dec 2018

Reviewer: Fernando Rosell-Ortiz

Reviewer's report:

Fernando Rosell-Ortiz, Ph.D, MD (Reviewer 2): Early inter-hospital transfer of patients with myocardial infarction without a doctor, paramedic or nurse on board: results from a French regional emergency care network.

Thank you for your work. The paper has improved so much. Let me highlight some suggestion before accepting for publishing.

Comments

- "The PCI centre has two rooms in which catheterization" (please use cath-lab better) and if possible, a last review by a native English

- Descriptions of levels of risk are a continuum all over the manuscript. I lack a table with SCA-Alp inclusion criteria, I mean, diagnosis, time intervals and risk profile of patients. It is important because is your key message.

- Table 1: Large STEMI: It is clear for anterior STEMI but I don't understand the term applied for large inferior STEMI

aST-segment elevation involving >5 leads for an anterior myocardial infarction or if the ST-segment 3 decrease was present in >3 precordial leads for an inferior myocardial infarction

- Please clarify the professional qualifications of drivers (Advance life support??)

- You must remove the affirmation regarding GRACE score (our physicians felt that this would be more complicated). Grace is really more complicated than a subjective clinical evaluation but for a protocol, there is no doubt, it is more accurate and, as you know, you can use it by an app on line. Implementation of a protocol could benefit from a standardized risk score (remember that there are no nurses or physician on board).

- Please the last paragraph is not really a conclusion. I agree with it but you must place such a reflexion in Discussion. Conclusions are the specific answers to your hypothesis. "This approach would free-up beds in PCI centres to respond to increasing demand. Performing these transfers without doctors or nurses on board would allow a more streamlined use of medical facilities,
but requires a well-organized system with well-targeted patients, shared protocols and trained staff as followed in our SCA-Alp protocol.

**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.

Yes

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

Yes

**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 am able to assess the statistics

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

Needs some language corrections before being published

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