Reviewer’s report

Title: Rapid Predictors for the Occurrence of Reduced Left Ventricular Ejection Fraction between LAD and non-LAD related ST-Elevation Myocardial Infarction

Version: 0 Date: 03 Nov 2015

Reviewer: Gianluca Campo

Reviewer's report:

ABSTRACT:

-It is unclear the aim of the study in the abstract, please add and improve it

INTRODUCTION:

-Some data from registries to better describe the long-term prognosis of patients with STEMI and undergoing primary PCI may improve introduction and discussion (e.g. Arch Intern Med 2011;171:1948-9)

METHODS

-I’m not sure that patient with left main disease and treatment should be included in the present analysis

-The main limit of the study is the timing of echocardiography. It is well known that LVEF may significantly improve 1-3 months after primary PCI. Do you have data of the follow-up?

-Please give more data regarding echocardiography. All exams are performed by the same operator? The operator was blinded to primary PCI and outcome?

-Prior MI was exclusion criteria?

-How do you manage in your analysis patients with LVEF depression before primary PCI?

-Are all patients with preserved LVEF before hospital admission?

-Do you have data regarding ST-segment resolution? This data is related to LVEF?

-Do you have data regarding cardiac marker release? They are related to LVEF?
- Please repeat your analysis putting as endpoint AUC of cardiac marker release. The data is similar?

**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.

Not relevant to this manuscript

**Quality of written English**

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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