Reviewer's report

Title: Trends in treatment delays for patients with acute ST-elevation myocardial infarction treated with primary percutaneous coronary intervention

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Reviewer: Marouane Boukhris

Reviewer's report:

In the current study, Salla and colleagues aimed to determine recent trends in STEMI treatment delays comparing data of HUS-STEMI I and HUS-STEMI II. Although the topic lacks of originality, the manuscript is well written and the statistical analysis was appropriately performed. Some comments should be addressed.

1- Page 3 Background : line 59 typing mistake : Although instead of Albeit.
2- In discussion section : “The unexpected finding in this study was that door-to-balloon times were longer in 2011-2012 than 2007-2008.” (page 10, para 3, lines 213-214). Are the authors able to explain such a surprising finding ?
3- Finally, in the discussion section the authors should discuss the pre-medication before PCI which can influence the prognosis (GllbIlla inhibitors …) . Please cite Prati et al. Evaluation of infarct-related coronary artery patency and microcirculatory function after facilitated percutaneous primary coronary angioplasty: the FINESSE-ANGIO (Facilitated Intervention With Enhanced Reperfusion Speed to Stop Events-Angiographic) study. JACC cardiovasc Interv 2010 Dec;3(12):1284-91.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

None