Reviewer’s report

Title: Peak systolic velocity using color-coded tissue Doppler imaging, a strong and independent predictor of outcome in acute coronary syndrome patients

Version: 1 Date: 15 February 2013

Reviewer: Julien Magne

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This interesting paper by Westholm et al. aimed to assess the incremental prognosis value of peak systolic velocity (PSV) over traditional parameters of LV function assessment. They concluded that PSV is accurate parameters for risk stratification of patients with acute coronary syndrome. The methodology of the paper is appropriate, the study is well designed, the results are robust and the conclusion well supported by the data. I only have minor comments.

Minor essential revision:
1- In the multivariate model, the use of group of PSV (<4.5, 4.5-5.5; >5.5) could improve the paper and provide interesting results. The authors could use the group with higher velocity (>5.5) as referent (HR=1) and provide the HR for the 2 other groups.
2- In the introduction (page 2), 2nd paragraph, please modify “ad” for “add”
3- In all tables and figure, please changes comma for dots for numbers with decimal.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests