Reviewer's report

Title: Assessment of left ventricle function in aortic stenosis: mitral annular plane systolic excursion is not inferior to speckle tracking echocardiography derived global longitudinal peak strain.

Version: 1  
Date: 22 October 2013  
Reviewer: Adrian Borges

Reviewer's report:

The findings and conclusions of the present study were not very surprisingly or very exciting. The present study suggest that MAPSE (m-mode) as well as GLPS (speckle tracking) can be used to assess LV systolic longitudinal function in patients with AS and were decreased in symptomatic patients, while there was no difference in ejection fraction.

The correlation were weak and the main limitation is the heterogeneity of the study group.

1. The question posed by the authors was not very new.
2. The methods were appropriate and well described, an AUC analysis should be added (MAPSE and GLPS for patients with AS and matched controls and MAPSE and GLPS for symptomatic vs asymptomatic AS patients)
3. The data are well controlled.
4. The manuscript adhere to the relevant standards
5. Discussion and conclusion are very short and not adequately supported by the data
6. The title and abstract convey accurately what has been found
7. The writing is acceptable, the discussion should be enhanced

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

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests