Reviewer's report

Title: Global Longitudinal Strain is a more reproducible Measure of Left Ventricular Function than Ejection Fraction regardless of Echocardiographic Training

Version: 0 Date: 04 Jul 2019

Reviewer: Maurizio Galderisi

Reviewer's report:

This study demonstrates a superior reproducibility of GLS in comparison with LV EF in a population of 47 patients with CAD.

Concerns:

1. The authors should also present their own data on feasibility of both GLS and EF in the population assessed. It should be important also to report the rate of inadequacy of regional longitudinal strain measurements.

2. A recent study (Negishi T et al, JACC CV Imaging 2017) showed that the precision in GLS measurements is improved after training, regardless the experience, in a multicenter study. This study shall be quoted in the reference list.

3. The lack of automatic LV EF measurements by 2D echo is a limitation which should be acknowledged in the "Limitations" section.

4. In Table 1, heart rate of the study population should also be reported. Moreover, the range of continuous variables could be welcome in this table.

Level of interest

Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English

Please indicate the quality of language in the manuscript:

Acceptable
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