Reviewer's report

Title: Which method of left atrium size quantification is the most accurate to recognize thromboembolic risk in patients with non-valvular atrial fibrillation?

Version: 1 Date: 13 February 2014

Reviewer: Lorenza Pratali

Reviewer's report:

In this paper written by Faustino A and coworkers was evaluated the accuracy of LA size with different echo by different methods of measurements to identify surrogate TEE markers of an increase risk of stroke (LAA Thrombus, low LAA velocities, dense SEC, and LA abnormalities)

The study is well written and the results are well summarized although the study present some flaws

Major Revisions

One of the principles problems of the study is due to the well-known problem variability in the echocardiogram measurements. Should be useful to assess the inter and intra individual agreement in the TTE LA measurements and in the recognition of TEE surrogate markers of stroke (i.e. LLA thrombus, SEC) in a sample of patients

Minor revisions

- Should be valuable for the CU readers to add echo images or movies of the different LA measurements used in the study.
- The authors showed many tables, maybe some of these data can be showed as figures.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests