Reviewer's report

**Title:** Evaluation of cardiac masses by real-time perfusion imaging echocardiography

**Version:** 1  **Date:** 13 April 2015

**Reviewer:** Fabian Knebel

**Reviewer's report:**

The study is focused on the improvement of echo diagnostics of cardiac masses by perfusion echocardiography. The topic is very interesting and clinically relevant.

Major Compulsory Revisions

1. Why were the patients included up to 2008 and only now (2105), the publication was submitted? What happened to the patients since 2008? Is there any information on mortality? Please discuss.
2. 24 patients underwent stress perfusion echo. Dipyridamol stress was performed. Why not adenosine? Please explain.
3. Only one examiner has reviewed the images. Please report the inter-observer variability for the perfusion assessment. This is important in order to implement this method in clinical practice.
4. Was 3D echo performed in order to exactly measure the volume of the masses? Was TEE performed in the patients with poor image quality?

Minor Essential Revisions


**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:**

no conflicts