Reviewer’s report

Title: Transesophageal three-dimensional Echocardiography of the Quadricuspid Aortic Valve

Version: 1 Date: 4 June 2010

Reviewer: Rosa Sicari

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The present manuscript is of potential interest for the journal however there are a few issues that authors should address:

1. In the abstract section it is not clear whether the aortic insufficiency is moderate or severe.
2. The role of 3D TEE has yet to be established and therefore I would tone down the premises of the case, since 2D TEE may have played a role for the recognition of quadricuspid aortic valve as demonstrated in figure 1. Please state the limitation of 3D TEE that does not have the ability to have color Doppler.
3. Please specify which are the congenital condition in which quadricuspid aorta may be concomitant.
4. Please clarify why the patient underwent CT scan.
5. It would important to have the 2D images of the patients in order to demonstrate that the aortic valve was not visualized.
6. Please clarify why the patient underwent TEE, which is not indicated in aortic insufficiency when the diagnosis is clear.
7. Ultrasound Aortic of the United States should read American Society of Echocardiography.
8. The English language should be extensively revised.

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

Quality of written English: Not suitable for publication unless extensively edited

Declaration of competing interests:

'I declare that I have no competing interests'