Reviewer’s report

Title: Anomalous origin of the right pulmonary artery from the ascending aorta: results of direct implantation surgical repair in 6 infants

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Reviewer: Lucio Careddu

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-The manuscript “Anomalous origin of the right pulmonary artery from the ascending aorta: results of direct implantation surgical repair in 6 infants” report the experience of 6 patients operated for AORPA. The paper is well written and easy to read. Although I have some suggestion for the authors:

1) in Background section author should improve the pathophysiological characteristics of the AROPA (eurovascular reflexes or humoral vasoactive mediators or both and their effect on lung resistance as already reported in literature)

2) Page 4 line 2 of Operative Techniques, pericardial effusion was observed in the OR or during surgery. Please reformulate the sentence

3) Author does not produce data on Right Ventricular pressure at follow-up. Could be interesting introducing this data if the author have it.

4) Page 7 line 1, sentence is not clear. Is the introduction for the next period, please clarify

5) Page 8 line 10, Does the author have the incidence of neonatal death in China?

6) Due to the limited data on those patients reported in literature a careful follow-up is mandatory for all patients not only for those who present stenosis at FU

7) List of abbreviation could be transformed in a small table due to the high number of abbreviation reported by the authors

8) NYHA is not clearly adopted for CHD in infants has reported in literature (ex Heart Failure in Children Part I: History, Etiology, and Pathophysiology Daphne T. Hsu Circulation: Heart Failure. 2009; 2: 63-70). Could the authors can introduce the Ross score too for the study population?

9) Please do not report data in the text and in tables (Symptoms, PDA...), please do not duplicate data.

10) Figure 1: Could the authors include a antero-posterior VR of the image splitting actual Figure 1 in Figure 1a-b. This could show a more clear view of the
AORPA

11) Surgical view of the operative field should include a complete view of MPA, Aorta and AORPA in 1 image maybe with an arrow on the AORPA.

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

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests