Reviewer's report

Title: Left Pulmonary Artery Banding Rescued A Diffuse Pulmonary Arteriovenous Fistula Patient

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Reviewer: Toru Iwasa

Reviewer's report:

This case report seems to be interesting and dramatically. The authors effectively treated the ipsilateral diffuse pulmonary arteriovenous fistulas with unique method refered the result of balloon occlusion of left pulmonary artery in cardiac catheterization. But I would make some questions to the authors.

Minor Essential Revisions:

1. The authors mentioned "ipsilateral pulmonary artery banding(PAB) is effective." but in this case, I think, isolation of left pulmonary artery is also useful and seems to be standard surgical intervention. Why the authors choosed the ipsilateral 'PAB' and, what is more effective in ipsilateral PAB than ipsilateral pulmonary artery isolation ? Please show the reason in the article.

2. The authors rescued the patient with Ipsilateral PAB, but in long term, a lot of minor aortopulmonary collateral aretries (mAPCAs) to left lung would develop and desaturation would occur in later period. This ipsilateral PAB(also ipsilateral pulmonary arterry isolation) seems to be effective in short term and for limited patients. The authors should mention this limitation of this surgery for PAVF.

3. The more detailed PAB method is not written. After PAB, how was the outside diameter of PAB or maximum flow velosity of PAB portion in echocardiography ?

4. In page 7 line 14, 'hi' is incorrect. 'he' is correct.

5. In page 6 line 11, "To improve quality of life(QOL)" is not seems to be suitable for this case. "To improve daily activity" or "To improve activities of daily living" is more suitable.

6. In page 7, line 15, "enjoys good QOL" is not suitable. 'enjoys his daily life',etc is suitable.

7. In figure 3 legend. 'Discending Aortography' is incorrect. 'Descending Aortography' is correct.

8. In page 6 line 2-3 'A nine-year old boy was transferred emergently to our hospital with the chief complaints of hematemesis and convulsion in 2011.' and line 13-14 , 'When he was nine years old, he was sent to our hospital emergently for
hematemesis and convulsions.' means the same and redundant. Please delete either sentence.

9. In figure 1 and 3, the shadow of one vascular embolization coil was seen at left lung field. Did this patient received previously coil embolization? This was not mentioned in the report.

10. In page 10 line 2, 'her mother' is incorrect. 'his mother' is correct.

**Level of interest:** An article of limited interest

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

**Declaration of competing interests:**

I declare that I have no competing interests.