Reviewer's report

Title: Acute post-cardiopulmonary bypass left atrial thrombosis after mitral valvuloplasty and left atrial thrombectomy

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Reviewer: sae-young choi

Reviewer's report:

Comments to the Author

This is a reasonably well-written manuscript about acute left atrial thrombosis immediately after cardiopulmonary bypass causing from various factors such as coagulation pathway problem. As reported by the authors, the acute onset of Acute left atrial thrombosis immediately after cardiopulmonary bypass is rare but it has been well known and reported by various English literature frequently.

Moreover I’ve noted the following weak points:

1. What kind of mitral valvuloplasty technique was performed? I can guess you used simple commissurotomy, aren’t you? And how much did you resect the left atrial posterior wall? In my opinion, you should performed mitral replacement with left side maze operation because patients already had atrial fibrillation and multiple chronic thrombi. Why did you decide the simple mitral plasty and exclude the maze procedure even performing the resection of left atrial auricle.

2. Did you perform the enough endocardiectomy of left atrium for prevention of thrombi recurrence? or just resection around the thrombus endocardium?

3. How about the preoperative platelet counts and coagulation laboratory level including PT, APTT?

4. Why did you select just small dose heparization in operation room under extracorporeal circulation assist? How about your opinion performing the small incision through the left atrial wall for aggressive suctioning using the cardiotomy sucker?

5. The English form of the entire manuscript could be revised and you should not use the abbreviation without fully expression, however many abbreviation were used in manuscript.

6. Key word contained the mitral valve replacement. Where did you express the comment of mitral valve replacement?

7. Please rewrite the section ‘Introduction’ with a more refined organization of the case report.

All things considered, this manuscript might be needed major compulsory revisions
So I decided to categorize this manuscript as an ‘Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions’...

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

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

**Declaration of competing interests:**

No