Reviewer’s report

Title: Hybrid treatment of an unusual traumatic aortic arch rupture with pseudoaneurysm: a case report

Version: 0 Date: 27 Jan 2019

Reviewer: Tetsuro Uchida

Reviewer’s report:

This is an interesting case report that highlights a hybrid treatment of a traumatic aortic arch rupture with pseudoaneurysm. I congratulate the authors in the resolution of this difficult case.

I have some comments.

Major comments:


The patient seems to be treated on an elective basis 3 months after a traffic accident. Considering the stable preoperative condition and young age (31 years old), hybrid therapy including stent graft placement is actually feasible? The patient underwent total debranching of supra-aortic vessels. Although the detail of the procedure was not described in the manuscript, this procedure usually requires median sternotomy and partial clamp of ascending aorta. Do authors consider this procedure as less-invasive treatment?

I think that total arch replacement through the median sternotomy with the aid of cerebral protection under hypothermic cardiopulmonary bypass, which was more invasive than proposed hybrid therapy, could be possible and performed safely in this kind of situation.

Minor comment:

The 3rd paragraph of the Discussion section which explain the surgical procedure should be placed at the Case presentation section. Furthermore, the authors have to describe the detail of the hybrid treatment.

Level of interest
Please indicate how interesting you found the manuscript:

An article of limited interest

Quality of written English
Please indicate the quality of language in the manuscript:
Not suitable for publication unless extensively edited

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