Reviewers report

**Title:** Surgical Repair and Reconstruction of Aortic Arch in Debakey Type I Aortic Dissection: Recent Advances and Single-Center Experience in the Application of branched stent graft

**Version:** 0  **Date:** 19 Mar 2017

**Reviewer:** Ruggero De Paulis

**Reviewers report:**

The authors have provided a large description on the most common ways of treating an acute type A aortic dissection. The description on the various methods are all well known and probably such extensive review is not the main purpose of this manuscript. In fact, the authors describe their experience in using single, double or triple stent graft as their more recent and preferred solution. The description of the various types of branched graft is unclear as is the different way of utilizing it. I strongly suggest the authors to add a series of drawing highlighting the characteristics of each type of stented graft and, once again with the help of drawings, describe the standard operative technique. At this point the author experience on how to select the proper graft type, whether since, double or branched graft will be clearer.

Given the similarities with the execution of a total arch replacement with the use of the e-vita stent graft prosthesis or with the Thoraflex graft (as reported in some of their references) the authors should comment their results and explain the advantages over these types of approaches (namely the frozen elephant trunk) as widely reported in the literature.

Minor comment: why do the author needs to reduce the temperature at 15 degree even in the presence of integrate perfusion.

All necessary informations about their patient characteristics as well as the operative data are needed. At present no inferential or descriptive analysis is provided

**Level of interest**

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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