Reviewer’s report

Title: Surgical Mitral Valve Replacement Using Direct Implantation of Sapien 3 Valve in a Patients with Severe Mitral Annular Calcification without Adjunctive Techniques, A Case Report

Version: 0 Date: 22 Jan 2020

Reviewer: Claudio Russo

Reviewer's report:

I congratulate the Authors for this experience

This is an interesting case report about direct Sapien XT implantation in a native mitral valve severe with severe mitral annular calcification.

Authors did not resect anterior mitral valve and did not placed any pledgeted sutures to enhance stability and reduce paravalvular leak.

They justify their choice in order to shorten the cross-clamp time.

In order to have a more exhaustive report:

1) Please comment about the choice not to placed any pledgeted sutures to reduce the risk of atrial embolization of the prosthesis

2) Please comment about the left ventricle outflow tract size and residual area after Sapien XT implantation and theoretical risk of LVOT obstruction

3) Please comment the relationship between Sapien XT and mechanical aortic valve

4) Please comment about the choice of redo-sternotomy Versus minimally invasive heart-port right thoracotomy access.

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

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable
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