Reviewer’s report

Title: Chest-wall reconstruction with a customized titanium-alloy prosthesis fabricated by 3D printing and rapid prototyping

Version: 0 Date: 07 Oct 2017

Reviewer: Daniele Diso

Reviewer's report:

Thank you to provide your experience in the treatment of the large chest wall resection with 3D printing custom made titanium prosthesis. Topic of manuscript is interesting and still stimulating argue in thoracic surgery.

Nevertheless some issues should be addressed.

1) May you provide some informations about time and costs for the 3D printing process of the prosthesis?

2) May you explain the surgical plan before surgery: how do you estimate resection margins and length of the prosthesis? Do you provide for a intraoperative frozen section analysis of the tissue during surgery? do you use the implant as a template during surgery?

3) It not clear if both steel wires and screws were used for fixing the implant

4) I suggest a language revision

5) I would replace figure 5c with a more clear chest x ray

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

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

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

Needs some language corrections before being published
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