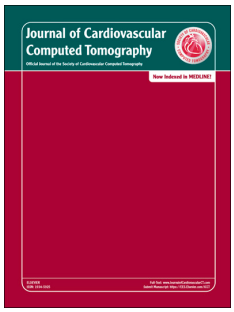
Accepted Manuscript



3D printing of the aortic annulus based on cardiovascular computed tomography: Preliminary experience in pre-procedural planning for aortic valve sizing

Faletti Riccardo, Gatti Marco, Cosentino Aurelio, Bergamasco Laura, Cura Stura Erik, Garabello Domenica, Pennisi Giovanni, Salizzoni Stefano, Veglia Simona, Ottavio Davini, Rinaldi Mauro, Fonio Paolo

PII: S1934-5925(18)30131-X

DOI: 10.1016/j.jcct.2018.05.016

Reference: JCCT 1109

To appear in: *Journal of Cardiovascular Computed Tomograph*

Received Date: 22 March 2018

Revised Date: 18 May 2018

Accepted Date: 24 May 2018

Please cite this article as: Riccardo F, Marco G, Aurelio C, Laura B, Erik CS, Domenica G, Giovanni P, Stefano S, Simona V, Davini O, Mauro R, Paolo F, 3D printing of the aortic annulus based on cardiovascular computed tomography: Preliminary experience in pre-procedural planning for aortic valve sizing, *Journal of Cardiovascular Computed Tomograph* (2018), doi: 10.1016/j.jcct.2018.05.016.

Title

3D printing of the aortic annulus based on Cardiovascular Computed Tomography: preliminary experience in pre-procedural planning for aortic valve sizing.

Short title: 3D printing of the aortic annulus

Authors

Faletti Riccardo, MD[1]; Gatti Marco, MD[1]; Cosentino Aurelio, MD[1]; Bergamasco Laura, PhD[2]; Cura Stura Erik, MD[3]; Garabello Domenica, MD [4]; Pennisi Giovanni, MD[2]; Salizzoni Stefano, PhD[3]; Veglia Simona, MD [4]; Ottavio Davini, MD [4;] Rinaldi Mauro, MD[3]; Fonio Paolo, MD[1].

Affiliations

1. Department of Surgical Sciences, Radiology Unit, University of Turin, Italy.
2. Department of Surgical Sciences, University of Turin, Italy
3. Department of Surgical Sciences, Division of Cardiac Surgery, University of Turin, Italy.
4. Department of Radiodiagnostic, S.C. Radiodiagnostica Ospedaliera, Turin, Italy

Footnotes

The first 2 authors contributed equally to this work. The authors have reported that they have no relationships relevant to the contents of this paper to disclose. This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

Words count (including references and figure legends): 4306

CORRESPONDING AUTHOR

Marco Gatti, MD
marcogatti17@gmail.com
Department of Surgical Sciences, Radiology Unit, University of Turin, Italy.
Via Genova 3, 10126 Torino
tel: +39 011 6336622
fax: +39 011 6960310