

Pseudoaneurysm with Fistula in Metal Aortic Prosthesis and Tubular Prosthesis in Ascending Aorta: Contribution of 3D Echocardiography

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LMMF, 58 years old, female, with metal aortic prosthesis and tubular prosthesis in ascending aorta. Transesophageal echocardiogram showed LVEF = 52%; aortic metal prosthesis with systolic gradient of 18 mmHg, mean gradient of 9 mmHg and presence of a large aneurysmal sac with a diameter of 62 mm located around the aortic valve tubular prosthesis. Images suggest fistula type communication holes in the prosthetic tube in the proximal segment, close to the plane of the metal aortic prosthesis, feeding it with 2 communication holes: one from the prosthetic tube of approximately 4 mm and another to the right ventricle, of 3.9 mm.

Keywords

Aneurysm, False/diagnostic imaging; Fistula; Heart Valve Prosthesis; Aorta; Heart Valve Prosthesis Implantation.

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Manuscript received July 30, 2017; revised August 8, 2017; accepted August 8, 2017.

DOI: 10.5935/2318-8219.20170030

Authors' contributions

Data acquisition: Bispo IGA, Gimenes VML, Andrade MM; Data analysis and interpretation: Bispo IGA, Gimenes VML, Andrade MM; Manuscript drafting: Bispo IGA, Gimenes VML, Andrade MM; Critical revision of the manuscript as for important intellectual content: Bispo IGA, Gimenes VML, Andrade MM.

Potential Conflicts of Interest

There are no relevant conflicts of interest.

Sources of Funding

This study had no external funding sources.

Academic Association

This study is not associated with any graduate program.

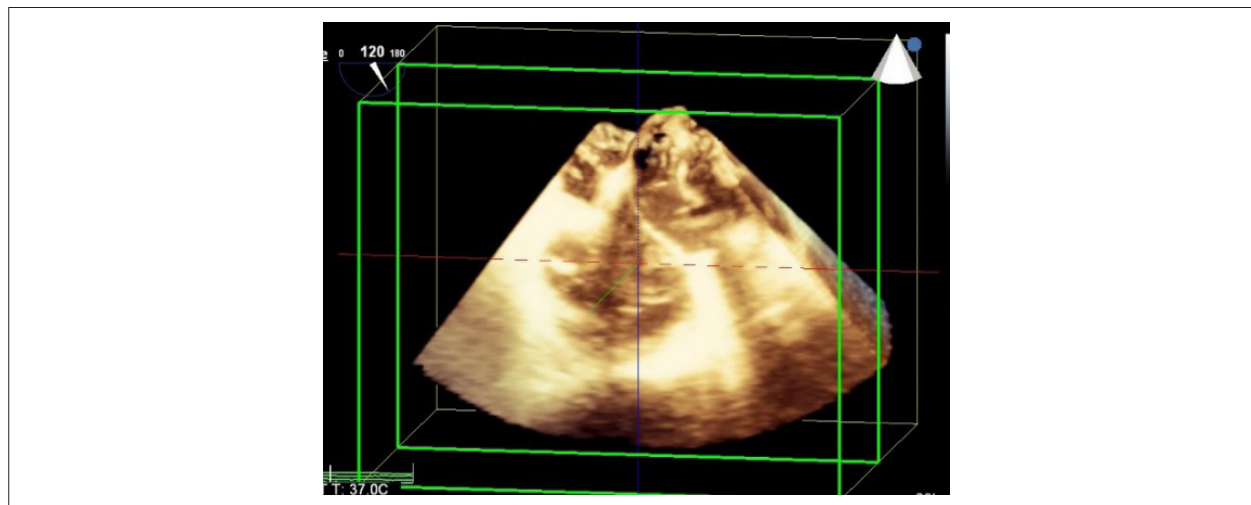


Figure 1 – 3D echocardiography of the metal aortic prosthesis plane and aneurysmal sac.

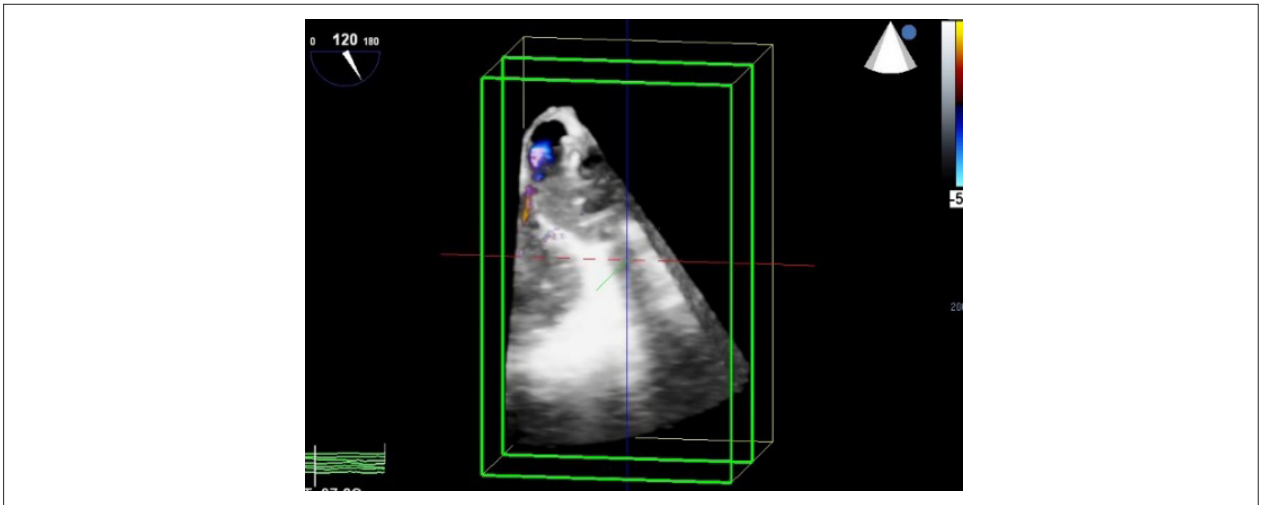


Figure 2 – *Fistula from the prosthetic tube in the proximal segment, close to the metal aortic prosthesis plane*