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Image Article

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Pseudoaneurysm Formation of the Ascending Aorta

E Andreas Agathos, MD, PhD[1], George Anastasiadis, MD[1] and Angeliki Saridaki, MD[2]*

[1]*Department of Cardiac Surgery, Euroclinic of Athens, Greece*

[2]*Department of Cardiac Anaesthesia, Euroclinic of Athens, Greece*

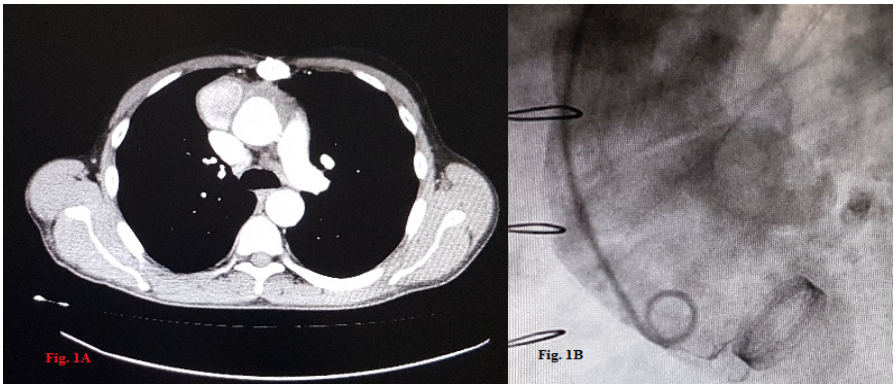

Figure 1: Investigation with CT angiogram and aortogram.

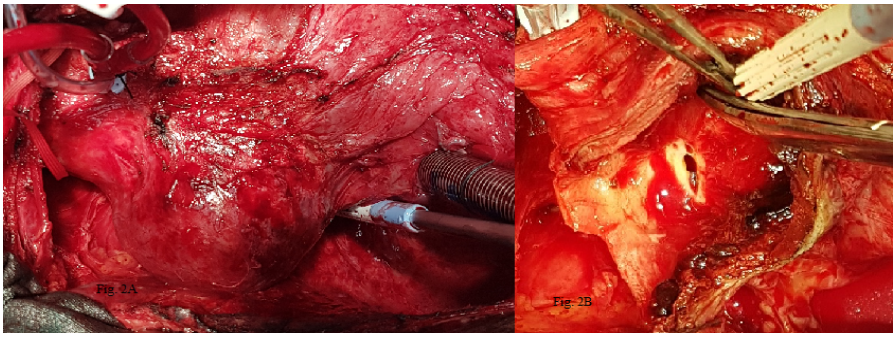

Figure 2: A pseudoaneurysm formation and resection of the wall.

A 50-years-old male patient, hypertensive, on renal dialysis and with secondary hyperparathyroidism, underwent aortic valve replacement with a #23 mm Sorin bileaflet mechanical prosthesis. Three months later he had a redo operation to fix a perivalvular leak. There was no evidence of infection. A year later he was referred to us with an asymptomatic paraortic mass in a CT Thorax. Further investigation with CT angiogram (Figure 1A) and aortogram (Figure 1B) revealed a 5.5 × 4.8 cm mass in close proximity to the middle and lateral aspect of the ascending aorta, filling with contrast fluid. During the third operation, a pseudoaneurysm formation was confirmed (Figure 2A). Resection of the wall of the sac revealed a dehiscence 4 × 4 mm at the lateral angle of the previous aortotomy (Figure 2B) due to broken 4/0 prolene stich. The dehiscence was repaired with two 2/0 pledgeted ethibond stiches. Uncomplicated recovery. No evidence of recurrence 12 months following surgery.

Conflict of Interest

The Authors declare that there is no conflict of interest.

***Corresponding author:** E Andreas Agathos, MD, PhD, Department of Cardiac Surgery, Euroclinic of Athens, Athanassiadou 7-9, 115 21 Athens, Greece, Tel: 30-2106801237

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