Images in cardio-thoracic surgery

Large false aneurysm following aortic valve replacement and excision of an abscess cavity for the treatment of staphylococcus aureus endocarditis

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A 28-year-old man underwent aortic valve replacement and excision of abscess cavity for staphylococcus aureus endocarditis. A large pseudoaneurysm was found on CT angiogram 4 years later (Figs. 1 and 2). This was successfully treated with a redo aortic valve replacement, patch false aneurysm and replacement ascending aorta.

Fig. 1. 3D reconstructed CT images of large pseudoaneurysm arising adjacent to the left coronary sinus.

Fig. 2. Thoracic CT with contrast image of large pseudoaneurysm.