Images in cardio-thoracic surgery

Anatomic repair of a left main coronary artery aneurysm

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A 45-year-old male presented with acute anterior infarction. Coronary angiography revealed a 20 mm × 30 mm left main coronary artery (LMCA) aneurysm (Fig. 1). After separation of the pulmonary artery, anatomic reconstruction of the LMCA using a Y-bifurcated vein graft segment was performed (Fig. 2). The LAD was additionally grafted with the left ITA.

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Fig. 1. Left main coronary artery with the LAD and the CX arteries originating from the huge aneurysm.

Fig. 2. Postoperative image after 6 months with reconstructed left main stem and still patent LITA to LAD.