Surgical correction of a giant aneurysm of the left main coronary artery

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Angiography revealed a giant aneurysm of the left main coronary artery, partially obstructing the left anterior descending and circumflex arteries (Fig. 1A). The aneurysm was reconstructed by exclusion of excessive cavity, leaving a 5 mm tunnel (Fig. 1B and C) that was found patent 8 months post-surgery (Fig. 1D).

Fig. 1. Angiographic (A) and intraoperative findings (B and C) of a giant aneurysm of the left main coronary artery, extending over 3.2 cm in diameter. Angiographic CT scan at 8 months post-reconstruction shows the patent left main coronary artery without recurrent dilation (D). Arrows indicate the coronary aneurysm. LAD: left anterior descending artery; RCX: circumflex artery, RCA: right coronary artery; LCA: left coronary artery, AV: aortic valve.

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