



Images in cardio-thoracic surgery

Pseudoaneurysm of the left ventricle near the non-coronary sinus
valsalvae after aortic valve replacementJ.P. Muller^{a,*}, O. Reuthebuch^a, R. Jenni^b, M.I. Turina^a^aDepartment of Cardio-Vascular Surgery, University Hospital Zurich, Raemistrasse 100, CH-8008 Zurich ZH, Switzerland^bDepartment of Cardiology, University Hospital Zurich, Zurich ZH, Switzerland

Received 18 September 2003; accepted 20 October 2003

Keywords: Aortic valve replacement; Pseudoaneurysm; Transesophageal echocardiography

Fourteen days after aortic valve replacement a 60-year-old male patient presented with sternal infection. Subsequent transesophageal echocardiography revealed a huge and pulsatile pseudoaneurysm near the non-coronary sinus of

Valsalva. To prevent potential rupture pseudoaneurysm was resected and aortic root replaced with a homograft. Under antibiotic therapy postoperative course was uneventful (Figs. 1 and 2).

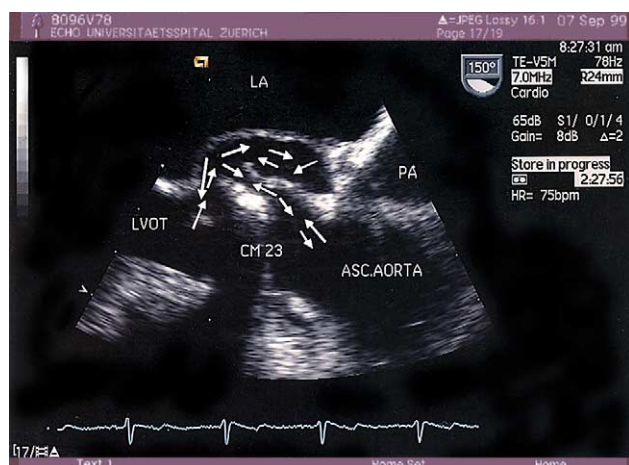


Fig. 1. TEE: CM 23, artificial aortic valve (Carbomedics®); L, left atrium; LVOT, left ventricular outlet tract; PA, pulmonary artery; →, in-flow from the LVOT to the pseudoaneurysm.

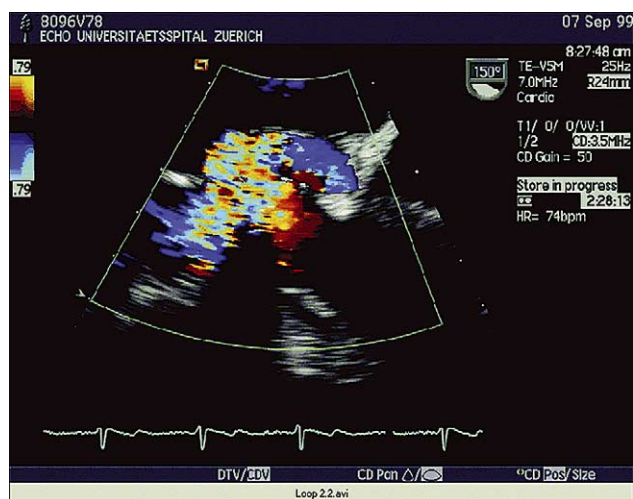


Fig. 2. Doppler-TEE of the pseudoaneurysm.

* Corresponding author. Tel.: +41-1-255-1111; fax: +41-1-255-8920.
E-mail address: juergp.mueller@usz.ch (J.P. Muller).