Caged-ball mitral valve: still functional after 40 years
Ahmet Baris Durukan*, Hasan Alper Gurbuz, Halil Ibrahim Ucar and Cem Yorgancioglu

Department of Cardiovascular Surgery, Medicana International Ankara Hospital, Ankara, Turkey

* Corresponding author. Umit Mahallesi 2463, Sokak 4/18, 06810 Yenimahalle, Ankara, Turkey. Tel: +90-532-2273814; fax: +90-312-2203170; e-mail: barsidurukan@yahoo.com (A.B. Durukan).

Received 17 January 2013; accepted 22 January 2013

Keywords: Heart valves • Prostheses and implants • History

Coronary angiography was performed to a 51-year old male patient admitted with effort dyspnoea, and aortic insufficiency diagnosed using echocardiography. He was operated on for mitral stenosis and insufficiency in 1973. A mitral valve was replaced with a 3-M Starr-Edwards caged-ball prosthesis (Model No: 6320). The valve was still functional after 40 years (Fig. 1 and Supplementary Video 1).

Supplementary material (Video) is available at EJCTS online.


Figure 1: (A) The prosthetic valve in systole and (B) in diastole.