Images in cardio-thoracic surgery

Surgical removal of fractured ATRIASEPT occluder 5 months after successful percutaneous closure of atrial septal defect

Rafal Pawlaczyk a,*, Robert Sabiniewicz b, Jaroslaw Meyer-Szary b, Dariusz Jagielak a

a Department of Cardiovascular Surgery, Medical University of Gdansk, ul.Debinki 7, 80-952 Gdansk, Poland
b Department of Pediatric Cardiology and Congenital Heart Defect, Medical University of Gdansk, Gdansk, Poland

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A 10-year-old girl with symptoms of atypical infection and diagnosed disintegration of the occluder (Fig. 1) was referred for surgery. Intra-operatively the device was incorporated with atrial septum, but its surface was not completely endothelialized. All parts were removed (Fig. 2). The defect was closed with pericardial patch.

Fig. 1. Arrows show migration of broken frames of the occluder on fluoroscopy.

Fig. 2. Removal of the ATRIASEPT device (Cardia, Eaton, Minnesota), eventually all parts were collected (right upper corner), although one migrated to the left ventricle.