

Physician - Valvular Diseases and Surgery

[MSB-48]

Emergency Surgical Aortic Valve Replacement in Patients Following Failed Valve-in-Valve Transcatheter Valve Procedure: A Case Series

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Türk Gogus Kalp Dama 2024;32(Suppl 2):MSB-48

Doi: 10.5606/tgkdc.dergisi.2024.msb-48

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Received: September 13, 2024 - Accepted: September 29, 2024

Valve-in-valve transcatheter aortic valve implantation (TAVI) has become a less invasive alternative to reoperation for elderly or high-risk patients with failed bioprosthetic valves. Data from the EuRECS-TAVI (European Registry on Emergent Cardiac Surgery during TAVI) registry, covering 27,760 TAVI procedures, demonstrated that emergency cardiac surgery due to TAVI complications occurs in 0.76 to 0.98% of cases. The most common reasons include ventricular perforation (28.3%), annular rupture (21.2%), valve migration/embolization (12.7%), and aortic dissection (11.8%).

Keywords: Heart valve prosthesis implantation.

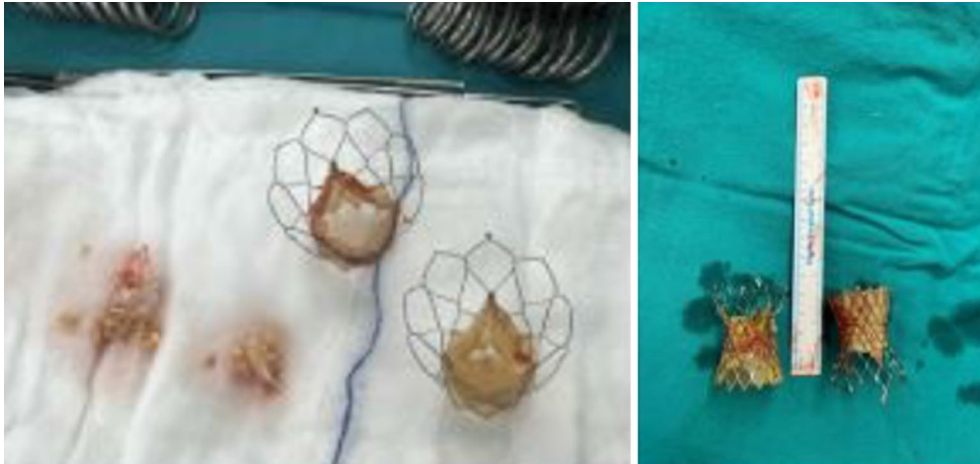


Figure 1. Intraoperative photographs of surgical transcatheter aortic bioprosthesis explantation.

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