

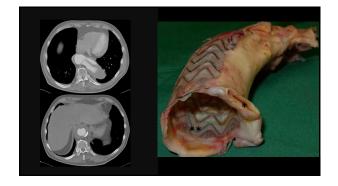


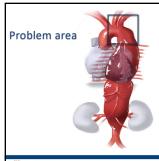
No Disclosures

Eur J Vasc Endovasc Surg (2018) 56, 57-67  ${\bf Editor's\ Choice-Open\ Thoracic\ and\ Thoraco-abdominal\ Aortic\ Repair\ After}$ **Prior Endovascular Therapy** Paula R. Keschenau <sup>a</sup>, Shirley Ketting <sup>b</sup>, Barend Mees <sup>b</sup>, Mohammad E. Barbatl <sup>a</sup>, Jochen Grommes <sup>a</sup>, Alexander Gombert <sup>a</sup>, Geert Willem H. Schurink <sup>b</sup>, Drosos Kotelis <sup>ad</sup>, Michael J. Jacobs <sup>a,b,\*</sup>, <sup>†</sup> <sup>a</sup> European Vascular Centre Aachen-Maastricht, Department of Vascular Surgery, RWTH University Hospital Aachen, Germany <sup>b</sup> European Vascular Centre Aachen-Maastricht, Department of Vascular Surgery, AZM University Hospital Maastricht, The Netherlands WHAT THIS PAPER ADDS
This analysis confirms that open TAA(A) surgery as secondary procedure following endovascular aortic therapy is an important treatment option even in the endovascular era. Nevertheless, these complex procedures can entail significant risks and should therefore be reserved for specialised centres.

Indications for conversion after TEVAR for TBAD

- Type 1a endoleak
- Type 1b endoleak
- Persistant false lumen perfusion
- Proximal and distal aneurysm growth
- Endograft collapse/fracture/dislocation
- Endograft misplacement during initial procedure





- Inadequate, short sealing zone
- Gothic configuration
- Involvement arch vessels
- Dissection
- Rigid septum
- Inadequate apposition
- Bird beaking
- Type 1a endoleak
- Malperfusion
- Retrograde type A dissection Aneurysm progression





## Summary

- A complex proximal landing zone after type B dissection is the main cause of insufficient endograft sealing
- Type 1a endoleak and aneurysm growth are the main complications
- If not solvable by endovascular solutions, open repair is a robust solution
- However, open repair is associated with significant mortality (10-15%)

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