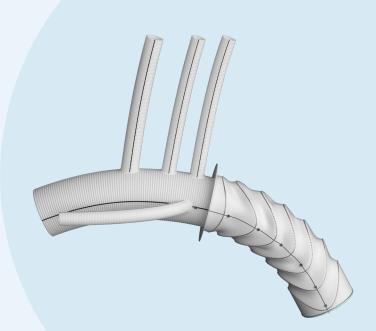




thoraflex[™] hybrid

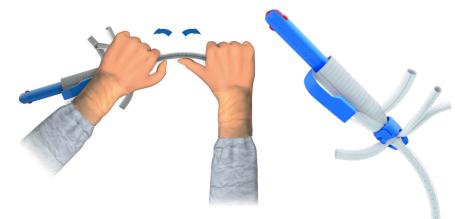
Conforming Arch Surgery to the Gold Standard





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Flexible by Design, Navigating the Curve



⁶⁶Thanks to the malleable shaft. the stented part can be shaped to conform to the isthmus and descending aorta anatomy. This makes the device less traumatic on the descending aortic wall and easier to introduce into the aorta. ** 1

Flexible Ring Stent Design

- Reduces radial force on the aortic wall³
- Minimises risk of intimal injury ³



Z-Stent FET - Angio-CT 3D reconstruction of type B aortic dissection before surgery (A), after FET procedure (B), dSINE detection (C) and result after TEVAR (D).

CT, computed tomography; 3D, three-dimensional; FET, frozen elephant trunk; dSINE, distal stent graft-induced new entry; TEVAR, thoracic endovascular aortic repair.²



1. Ruggieri et al. "Multibranched hybrid device for frozen elephant trunk: what does it change?" The Journal of Thoracic & Cardiovascular Surgery, 2015; 15(1), 253-255

- 2. Murana et al. "Distal stent graft-induced new entry (dSINE) after frozen elephant trunk: a scoping review." Cardiovascular Diagnosis & Therapy, 2023; 13(2), 408-417.
- 3. Ma et al. "Open stented grafts for frozen elephant trunk technique: Technical aspects and current outcomes." Aorta, 2015; 3(4), 122-135.

Versatility in Treatment, Solutions for Each Patient



| Island/En Bloc Re-implantation of SAT SAT = Supra-Aortic Trunk |
|--|
| |
| Zone 3 Standard technique |



Zone 2 Distal LSA anastomosis LSA=Left Subclavian Artery





Zone O/1 Proximal anastomosis



⁶⁶The use of a specifically designed multibranched hybrid FET graft both simplifies the procedure and allows **more flexibility in dealing with challenging aortic arch anatomy**, such as in our patient with a KD and an ARSA ^{99 4}

⁶⁶The hybrid construction of the device provides **flexibility in planning further aortic reconstruction** using either endovascular or open techniques. Unlike other methods of hybrid and total endovascular arch repair, this technique appears to carry a **low stroke risk.**^{99 5}



WATCH ON VUMEDI LSA Proximal Technique with Thoraflex[™] Hybrid

ROW (





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