VEITH SYMPOSIUM
Connecting The Vascular Community

New Strategies and Indications for Open TAAA Repair for Failed EVAR and F/B/EVAR: *Technical tips and results*

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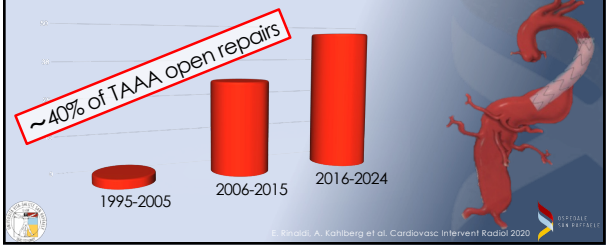
Disclosure

No conflicts of interest
related to this presentation

Open conversion after T/F/B-EVAR

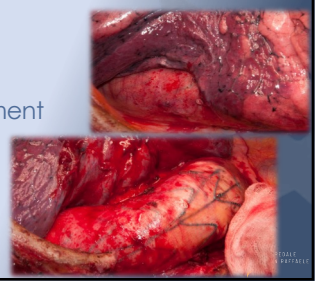
San Raffaele experience 1995-2024: **125 pts**



E. Rinaldi, A. Kahlberg et al. Cardiovasc Intervent Radiol 2020

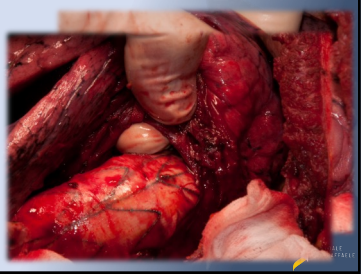
Open surgery after T/F/B-EVAR: **problems**

1. Pulmonary adhesions
2. Stent-graft management
3. Aortic wall frailty



1. Pulmonary adhesions

Cautious lysis
to avoid
pulmonary lesions



2. Stent-graft management

- Stent-graft clamping and **partial excision** (most cases)
- **Radical excision** if infection is suspected

3. Aortic wall frailty

Triple-layer suture

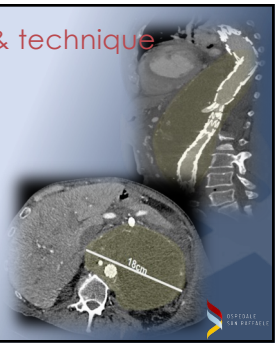
- Stent-graft
- Aortic wall
- Teflon felt

Open conversion after BEVAR for TAAA

surgical technique

Open conversion case & technique

- 63 yo man, HT CMP
- 2016: BEVAR for 8-cm TAAA (LRA branch early occlusion)
- 2017-2019: multiple reinterventions (bridging stents relining)
- 2020: persistent EL Ic + aneurysm enlargement (14 > 18 cm)
- **Pain / fissuration**



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[redacted]

Uneventful postoperative course

CT scan at

2 years

[redacted]

Open conversions after F/B/T/EVAR

1995-2024

Perioperative outcomes	N = 125
Mortality	14 (11%)
Major morbidity	
Respiratory failure	27 (22%)
Renal failure	15 (12%)
Paraplegia	9 (7%)

Results depend on the cause of conversion

Disease related
30-d mortality 6%
5/80

- Proximal endoleak / progression (18)
- Distal endoleak / progression (28)
- FL enlargement and SINE (20)
- TAAA after FET (planned) (14)

Stent-graft related
30-d mortality 20%
9/45

- Endograft failure (19)
- Infection / Fistula (19)
- RAD (7)

Conclusions

Open conversion after F/B/T/EVAR

- Technical challenge, tailored surgical strategies
- Increased mortality in case of graft failure, retrograde dissection, and infection/fistula
- Need of centralization in High Volume Centers

STRATEGIC ROLE OF OPEN SURGERY TEACHING PROGRAMS