Parallel grafts for hypogastric revascularization

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Disclosures: None
This presentation describes off-label uses for FDA-approved devices (USA)

Hypogastric preservation
- External - internal iliac bypass
- Antegrade IIA endografting & fem-fem bypass
- Trifurcated graft technique
- Custom branch creation
- Parallel grafting from the arm
- Parallel grafting from the contralateral EIA
- Investigational devices (US):
  - Cook IBD
  - Gore IBE

Antegrade IIA endografting
A novel hybrid approach to common iliac aneurysm. A hypogastric stent grafting a bypass grafting

Trifurcation technique
Hypogastric preservation

- Antegrade IIa endografting & fem-fem bypass
- Trifurcated graft technique
- Custom branch creation
- Parallel grafting from the arm
- Parallel grafting from the contralateral CFA

Homemade IBD/IBE device

Parallel grafts for hypogastric preservation

- Parallel grafting from the arm
- Parallel grafting from the contralateral CFA

Parallel grafting from the arm

Parallel grafting from the CFA
Parallel grafting from the CFA

Future utility for parallel grafts?

Anatomic Suitability of Aortoiliac Aneurysms for Next Generation Branched Systems

- 18% eligible for Cook PRESERVE IBD
  - Improves to 29% in PRESERVE 2
- 25% eligible for Core IBE
- 35% eligible for either
- Cook exclusions - IIA diameter <6, >9 mm
  - 68/99, 68.7%
- Gore exclusion - CIA diameter <17, IIA <6.5, >13.5
  - 39/99 (39.4%), 35/99 (35.4%)

Parallel grafts for hypogastric preservation

- Flexible treatment options for specific anatomies
- Useful in single center, limited follow-up series
- Likely retain utility after IBD/IBE approval