Urgent off-label use of Iliac Branch Endoprosthesis (IBE) to preserve the residual hypogastric artery in patients with previous EVAR.
Disclosure

Speaker name:
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I have the following potential conflicts of interest to report:

☐ Consulting
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☒ I do not have any potential conflict of interest
Suitable case scenario

• Previous EVAR or surgical reconstruction
• Acute iliac complications
  – Symptomatic dissection
  – Rupture
    • Prosthetic stent graft infections
    • Aneurysmal diseases
• Residual hypogastric artery
• Unfit for surgery
off-label use of Iliac Branch Endoprosthesis (IBE)

• Prerequisite
  – Patients should meet the anatomical requirements for Gore IBE use

• off-label transaxillary approach for hypogastric stent deployment
  – Lack of the native aortic bifurcation
Case 1

• Acute symptomatic dissection on the residual CIA
• previous EVAR with right hypogastric embolization
Case 2

• Case history (6 months before)
  – enteroprosthetic fistula
  – surgical exclusion of the right iliac axis
  – left-to-right femoro-femoral bypass

• Infectious rupture of the left CIA
TECHNICAL CONSIDERATIONS FOR THE TRANSAXILLARY APPROACH
Accommodation of the Excluder IBE

- Directly within the already placed iliac leg of the endograft
- Using an additional flared iliac limb
Surgical axillary access

- Rapid
- Ideal for devices ~12Fr
Materials for deployment of hypogastric stent: Sheaths

- Straight 12Fr 80cm long sheath (Flexor, Cook Medical)
  - minimize number of times the left vertebral artery is crossed during the procedure
- Precurved 8Fr 110cm-long sheath (flexor, Cook)
Materials for deployment of hypogastric stent: Other

- 5Fr 125cm-long catheter (Multipurpose, Cordis)
- 0.35in 260cm-long stiff guidewire with 3mm J-tip (Amplatz Super Stiff, Boston Scientific)
- Non compliant balloon (Ultraverse, Bard Peripheral Vascular)
Deployment of the hypogastric stent

- Main trunk of HGA
- Main branch of HGA
  - optimal angulation 30-45°
  - not advisable a diameter < 5mm
  - landing zone available length of 15-20 mm
  - 10-15% oversize