Tips and Tricks to Treat With An IBD Common Iliac Aneurysms Developing After An EVAR Procedure: It is Not Simple

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Iliac Branch Device (IBD) after EVAR

Techniques of Deploying An IBD
- Originally designed to be implanted prior to placement of the EVAR graft
- Crossed from the contralateral Iliac artery into the IBD and then the hypogastric artery
- Concern for the acute angle with many of the current EVAR grafts and the ability to track the hypogastric limb over the bifurcation of the EVAR

Oderich. Endovascular Aortic Repair

Iliac Branch Device after EVAR

- Possible Solutions for IBD after EVAR
  - Use of a EVAR (Endologix AFX) that has anatomic fixation on the aortic bifurcation
  - Less Acute EVAR graft angle and ease of crossing over the bifurcation
  - Axillary or Brachial Access for Hypogastric Limb Implantation
  - Flexible 12 F Sheath Protected Access
  - Use Of Low Profile Balloon Expandable Hypogastric Artery Stent Graft (VBX)

Iliac Aneurysm After EVAR

- 63 yo male with AneuRx EVAR and bilateral Bell Bottom Iliac Grafts
- S/P Coil embolization of the right hypogastric and External Iliac Extension
- Now presents with slipped AneuRx graft and expansion of Left Common Iliac Artery

Disclosure

WL Gore – Consultant
Bolton Medical – SAB
Cook IDE for Fenestrated and Branch Grafts – no Financial benefit
Spectranetics – SAB
Abbott Medical – Speakers Panel
**Left Common Iliac Artery Aneurysm**

**Antegrade and Retrograde Iliac Access from Left CFA and Left Brachial Artery**

**Hypogastric Stent Placement and PTA**

**Completion**

**Use of Brachial or Axillary Access for the Hypogastric Branch of the IBD**

- **Concerns**
  - Iliac Branch Diameter
  - Shaft Length of the Iliac device

**Contralateral Femoral Access**

74 yr Male with previous EVAR and now with Common Iliac Artery Expansion Proximal Iliac Branch
Passage of Sheath over EVAR Bifurcation

Stent Placement

Completion

Conclusions
- Iliac Branch Device Placement is possible after EVAR
- Antegrade and Retrograde Hypogastric artery stent placement in safe and possible
- Flexible and directional Sheaths now enable Retrograde femoral access

Thank you