

Small Group Report Out

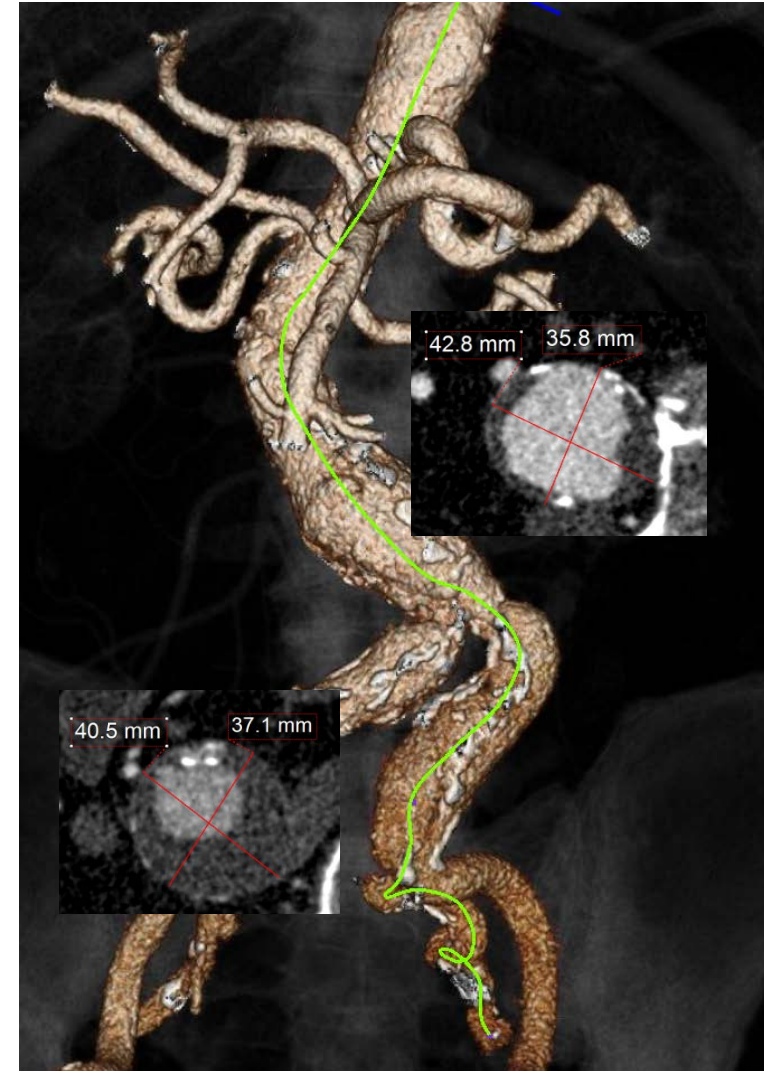
Dr. Anthony Lee

Boca Raton Regional Hospital

Case Presentation

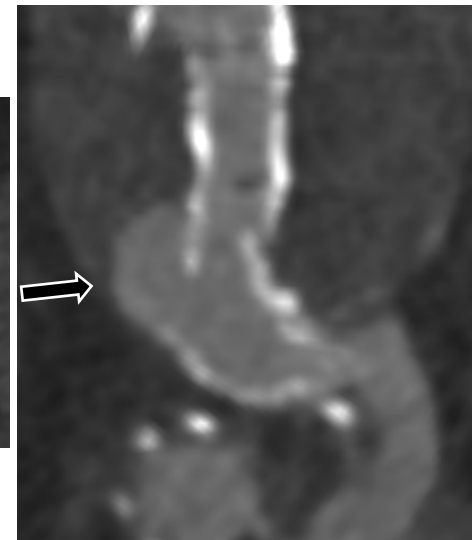
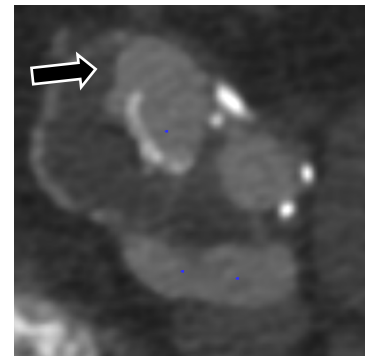
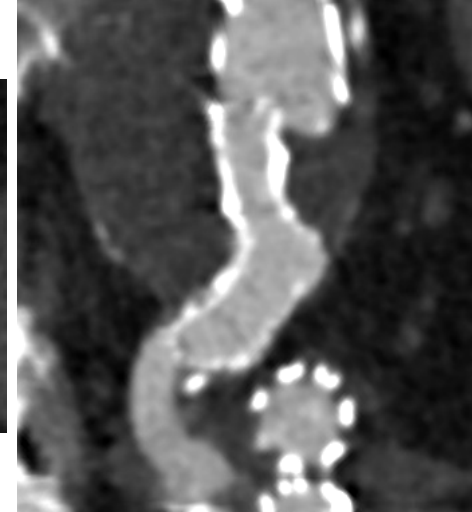
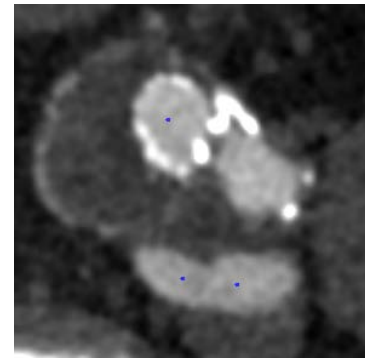
Case 1

- 80 year old man
- 4.2cm AAA + 4.1cm L CIA aneurysm
- EVAR + (investigational) iliac branch device
- No intraoperative or postoperative complications
- D/C POD #1



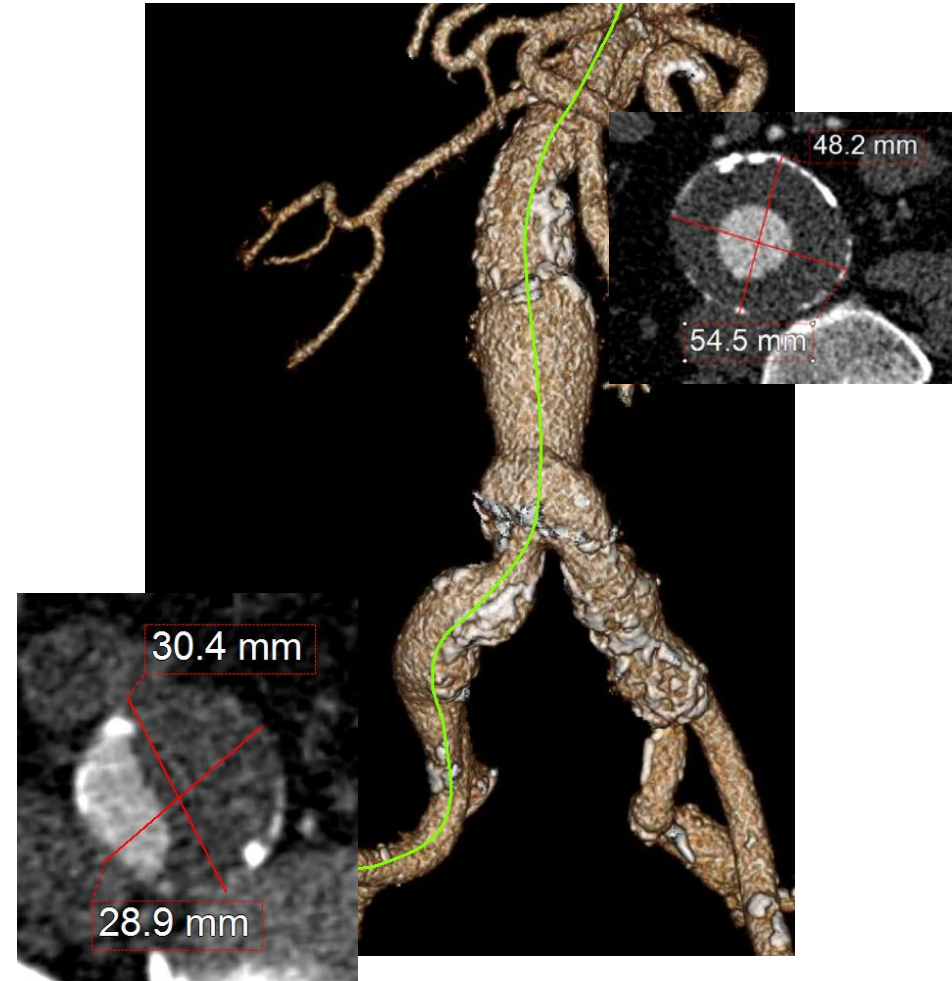
Case 1

- 6M postop
 - No endoleak
 - No device integrity issues
- 12M postop
 - Type III endoleak from stent fracture w/ fabric tear of iliac branch stent
 - Stable AAA/iliac aneurysm size
 - No symptoms



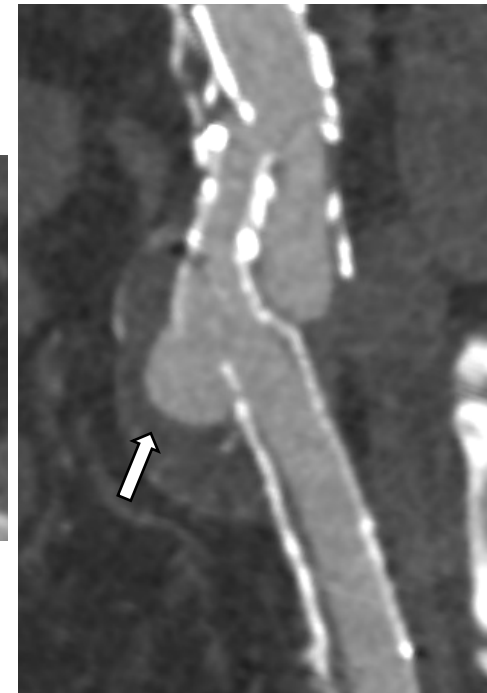
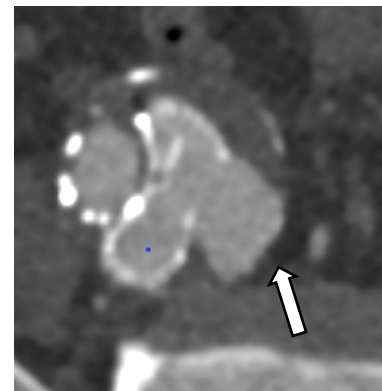
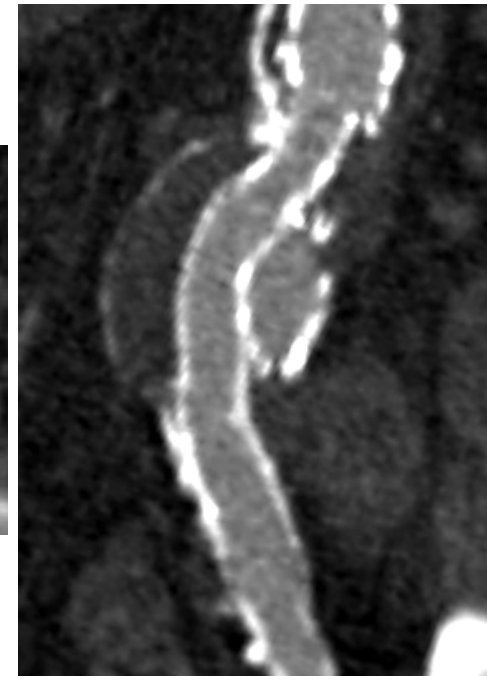
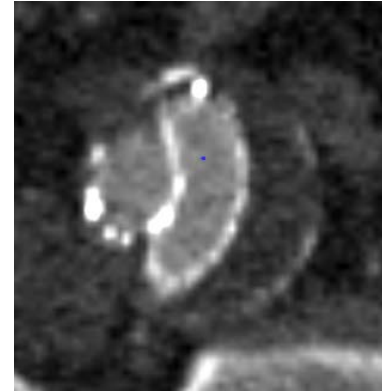
Case 2

- 68 year old man
- 5.5cm AAA + 3.0cm R CIA aneurysm
- EVAR + (investigational) iliac branch device
- No intraoperative or postoperative complications
- D/C POD #1



Case 2

- 1M postop
 - No endoleak
 - No device integrity issues
- 48M postop
 - Type III endoleak from stent fracture w/ fabric tear of iliac branch stent
 - Iliac aneurysm 3.0→3.4cm
 - No symptoms



General Impression – What I Would Worry About

- Failure of the therapy – rupture & death
- Vessel perforation
- Additional patients with undetected fractures
- Propagation of the failure mode (unzipper)

Technical Considerations for Treatment Options

Reline the stent

Benefits	Risks
Restore the intent of the treatment	Brachial approach needed with elevated risk of stroke and possibility of involving the original repair. Inadvertent occlusion of the hypogastric

Intentionally occlude the hypogastric

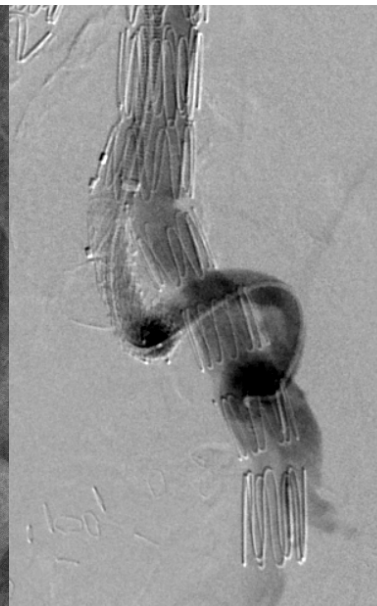
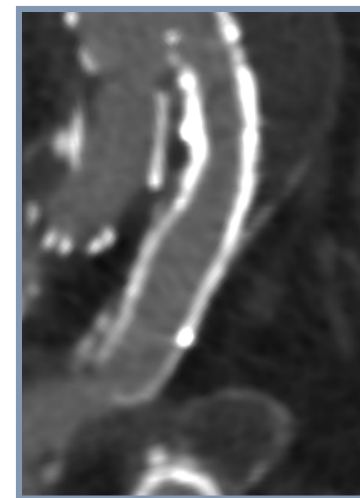
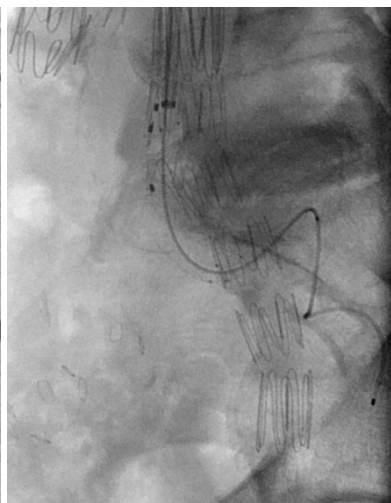
Benefits	Risks
Simplicity of procedure	20-30% buttock claudication

The Reveal

Case 1: Treatment

- 12M postop
- Secondary intervention
- L brachial access (cutdown)
- Re-lined with iCast stent
- No complications
- Outpatient procedure
- Endoleak resolved

Case 1: Treatment



Case 2: Treatment

- 50M postop
- Secondary intervention
- L brachial access (cutdown)
- Re-lined with Viabahn stent
- No complications
- Outpatient procedure
- Endoleak resolved

Case 2: Treatment

