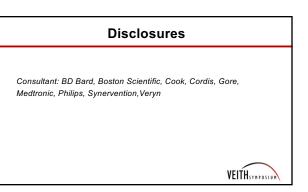
## Complex Iliofemoral Disease: Hybrid open & Endovascular Techniques

Erin H. Murphy, MD FACS Director, Venous and Lymphatic Program Sanger Heart and Vascular, Atrium Health, Charlotte, NC

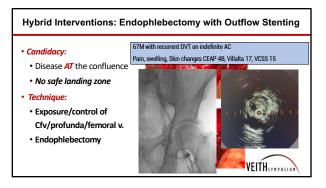
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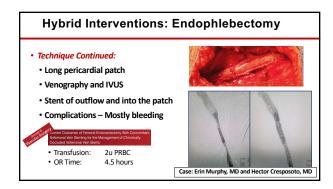


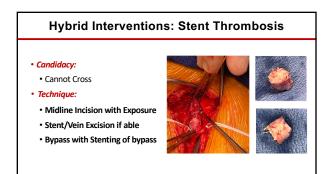
## When to Consider Hybrid Operations

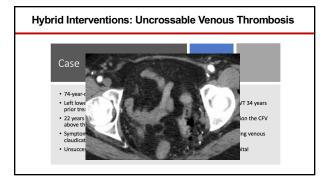
- Vast majority of venous procedures can be done endovascularly... and SHOULD be
- Hybrid operations = Difficult and can be associated with morbidity
- Endovascular <u>FAIL</u> points:
  - Inflow Disease No Landing zone
  - Stent Thrombosis / Vein Occlusions Unable to Cross
  - Various Stent Complications

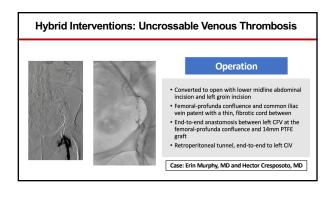
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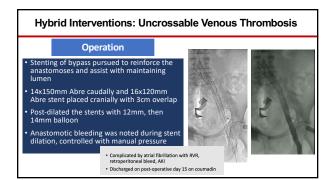


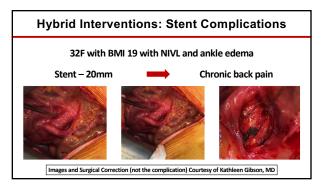


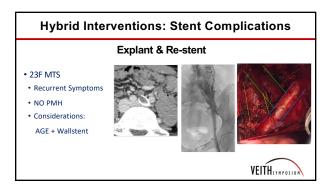


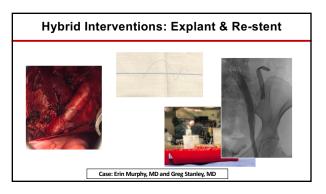


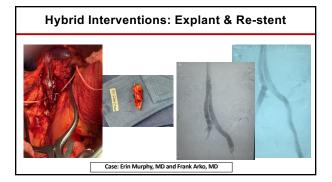












## Conclusions

- Hybrid Operations are feasible
- High success
- Morbidity is related to bleeding
- Techniques to limit bleeding large patches to limit suture line disruption, stenting while still open to allow repair

These operations are not first line and reserved for stenting failures

