Late Rupture of a Hypogastric Aneurysm post-EVAR, from extension of Type B dissection treated with a thoracic endograft

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Disclosure

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I have the following potential conflicts of interest to report:

- Stockholder of a healthcare company: Epic Pharma
Patient Presentation

• 67 year old male with history of HTN, CKD
• 2007 – EVAR and coil embolization of left hypogastric
• 2011 – TEVAR for a type B dissection
• Lost to follow up
• 2015 – Presents with a rupture
Operative Plan

• Type B dissection causing a type 1A endoleak of previous EVAR
• Endoleak has led to left hypogastric rupture
• Possible type 1B on the left
• Open
  • ? Ligation of hypogastric
  • ???
• Endovascular
  • Angiogram and then ???
Type B Dissection after EVAR

- Paucity of literature
- Observation versus intervention?
- Two retrospective studies
• 3 patients out of 500 EVARs
• All managed medically
• Possible causes:
  • Graft oversizing
  • Wire/Graft “trauma”
2 cases in 425

Both patients with disease of the thoracic aorta
  - Aortic ectasia
  - Ulcerated plaque
Summary

• Type B dissections uncommon after EVAR
• Risk factors are multifactorial
• Can compromise existing EVAR in the future