Acute Inflammatory Abdominal Aortic Aneurysm?

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Disclosures

• No disclosures
CASE

• 51 year old African American female
  • Chest, back, and abdominal pain
  - CHF, multiple coronary aneurysms, HTN, DVT
  - Extensive vascular surgical history

• Denied fevers, chills, weight loss, or other constitutional symptoms
Physical Exam

• **Peripheral vascular:**
  – Arterial pulses:
    • Bilateral palpable radial, brachial pulses
    • Left lower extremity (palpable dp/pt pulses)
    • Right lower extremity (weak monophasic dp/pt signal)

• **Abdomen:** Tenderness in RLQ.

• **Musculoskeletal:** Palpable tenderness in right thigh.
CTA
Pertinent Laboratories

- WBC – 10.9 -> 13.3 -> 12.1 thou/mm$^3$
- ESR- 102 mm/hr
- CRP- 7.4 mg/dL
- Blood cultures X 2- no growth
- Urine cultures - no growth
- Fungal, Anaerobic, Aerobic, Gram positive and Fastidious cultures - negative
Surgical History

2002
1. Open heart surgery for unknown reason using right GSV

2010
1. Fem- fem Bypass using PTFE

2011
1. Right common iliac to superficial femoral artery bypass using PTFE through the obturator foramen
2. Right common iliac endarterectomy
3. Excision of infected fem- fem bypass with repair of pseudoaneursym

2012
1. Iliac to right profunda bypass with cryo vein
2. Debridement of right femoral infected pseudoaneursym
3. Right ilio-femoral bypass to above the knee popliteal bypass.
Surgical History Cont.

10/2012
1. Repair of right common femoral pseudoaneurysm
2. Redo of right common femoral to above the knee popliteal bypass

11/2012
1. Right hybrid EVAR with 16x10 excluder and 9 x 6 Viabahn hybrid graft interposition bypass to previous saphenous vein graft
2. Left proximal iliac covered stent
3. Left external iliac self expanding stent
1 year Post-Operative CT Scan AUI
Summary

• Acutely symptomatic rapidly expanding 4.9 cm infrarenal AAA.
• Likely Inflammatory
• Due to stable right claudication, we chose AUI as treatment
• Unremarkable postop course
• Discharged home on postoperative day 3
• She has 1 year routine clinical and radiologic follow up demonstrating a stable aneurysmal size
Acknowledgements and Questions

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• Questions?