



# Spontaneous Aortocaval Fistula

**Rozh Husain Al-Mashhadi, MD, Ph.D.**

Research Radiologist, Dept. of Radiology, AUH

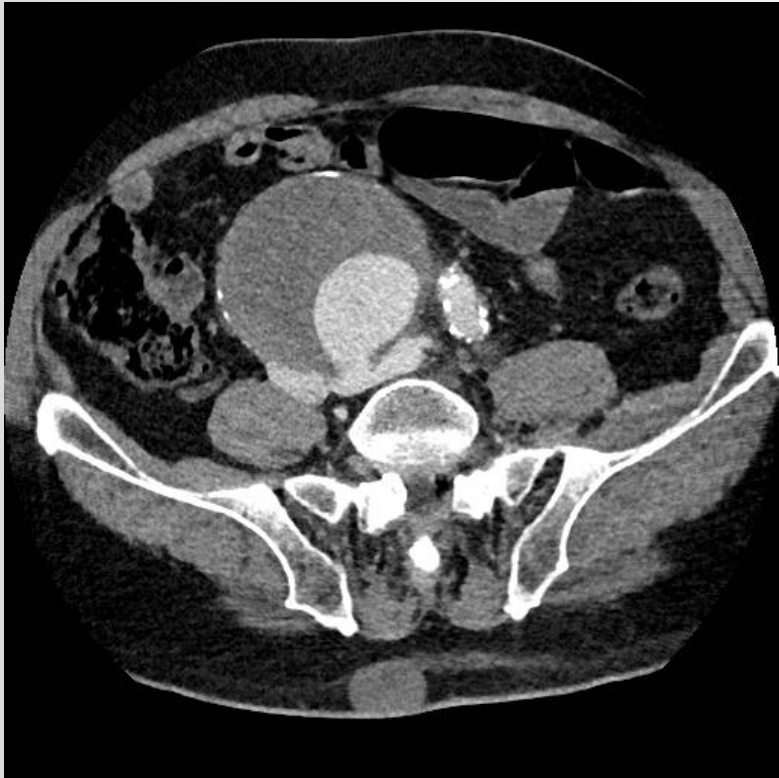
Associate Professor, Dept. of Clinical Medicine, AU

# Case 1

- 74 year old male
- Acute lower extremity and back pain
- Hemodynamically unstable



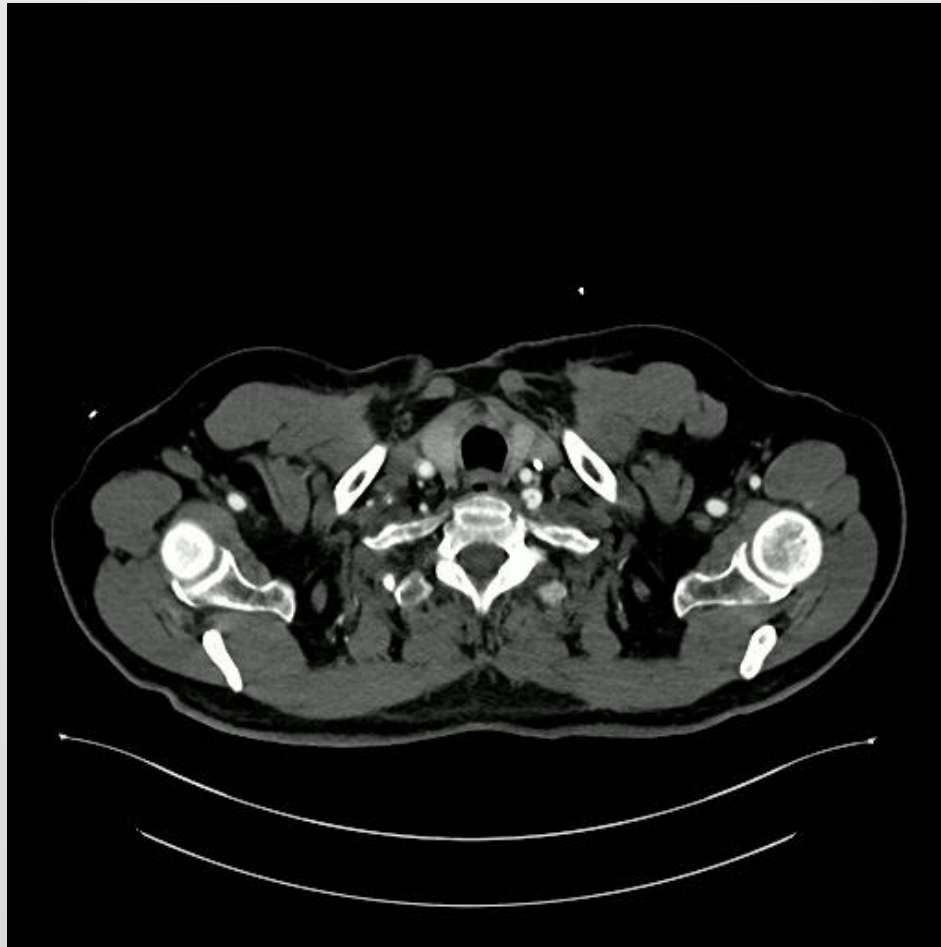
# Fistula between aorta and left iliac vein



# Intervention

- Sparing of renal arteies
- Treatment with
  - Thoracis stent (scaffold)
  - Main body stent (distally)
- Poor graft attachment to infrarenal aorta
- Endoleak
- Graft displacement

# Following procedure



# Spontaneous aortocaval fistula

- Rare complication of aortic aneurism
  - App. 7% of ruptured AAA (1)
  - Predominantly males
  - 60-70 years
- Left-right shunt
  - Heart failiure
  - Circulatory collaps at admission (45%) (1)

1: Ghilardi et al, 1993, J Cardiovasc Surg

# Prognosis

- Mortality presumably very high if untreated
  
- Open surgery
  - Overall operative mortality rate 12%(1) - 35% (2)
  - Mortality in those with shock, 50% (2)
  
- Endovascular approach
  - Overall mortality rate 19% (2)
  - Endoleak 50% (2)

1:Orion et al, 2016, Ann Vasc Surg

2: Ghilardi et al, 1993, J Cardiovasc Surg