47F Incidental Finding

Krithika Srikanthan, MD
Duplicate IVC
Left IVC drains into Left Renal Vein
Imaging Findings

• Left- and right-sided IVC are present inferior to renal veins
• Left IVC typically drains into left renal vein, which crosses anterior to aorta to join right IVC
• Duplicated IVCs may have significant asymmetry (left usually smaller)
Duplicate IVC

• Etiology: Persistence of left supracardinal vein
• Prevalence: 1-3%
• Most patients are asymptomatic/incidental finding
• HOWEVER, recognition important:
  – Prior to IVC filter placement
    • Suspect in recurrent pulmonary embolism following IVC filter placement
    • Need single suprarenal or paired caval filters
  – Planning abdominal surgery
  – Can be misdiagnosed as lymphadenopathy
Associations

• Circumaortic renal collar (aka circumaortic left renal vein) – accessory left renal vein posterior to aorta + anterior left renal vein
• Retroaortic left renal vein
• Crossed fused ectopia – kidneys fused & on same side
• Horseshoe kidney
• Cloacal exstrophy- exstrophy of the bladder, omphalocele, lower abdominal wall defect
References

1. Statdx
2. Radiopaedia