57 yr old man with chest pain

Allan Zhang, DO
Situs Inversus Totalis
Purple arrow: Labeled LEFT, correctly
Green arrow: Liver on the left
Blue arrow: Right arch
Red arrow: Cardiac apex directed toward the right
Situs inversus totalis

- Differentiate from isolated dexotrocardia (cardiac apex right, abdominal organs normal)

- Associated abnormalities
  - 20% have Kartagener syndrome
  - SI, bronchiectasis, sinusitis
  - Associated bowel malrotation increases risk for volvulus
Situs inversus totalis

- Imaging features on chest radiograph to evaluate are:
  - location of cardiac apex
  - location of aortic arch
  - location of stomach bubble / liver
References

• Situs Revisited: Imaging of the Heterotaxy Syndrome, *radiographics*