57 yr old man with chest pain

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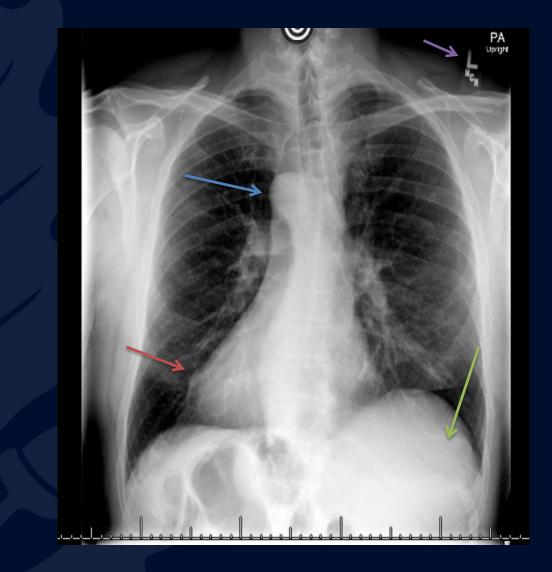






Situs Inversus Totalis





Purpple arrow: Labeled LEFT, correctly Green arrow: Liver on the left Blue arrow: Right arch Red arrow: Cardiac apex directed towward 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*

