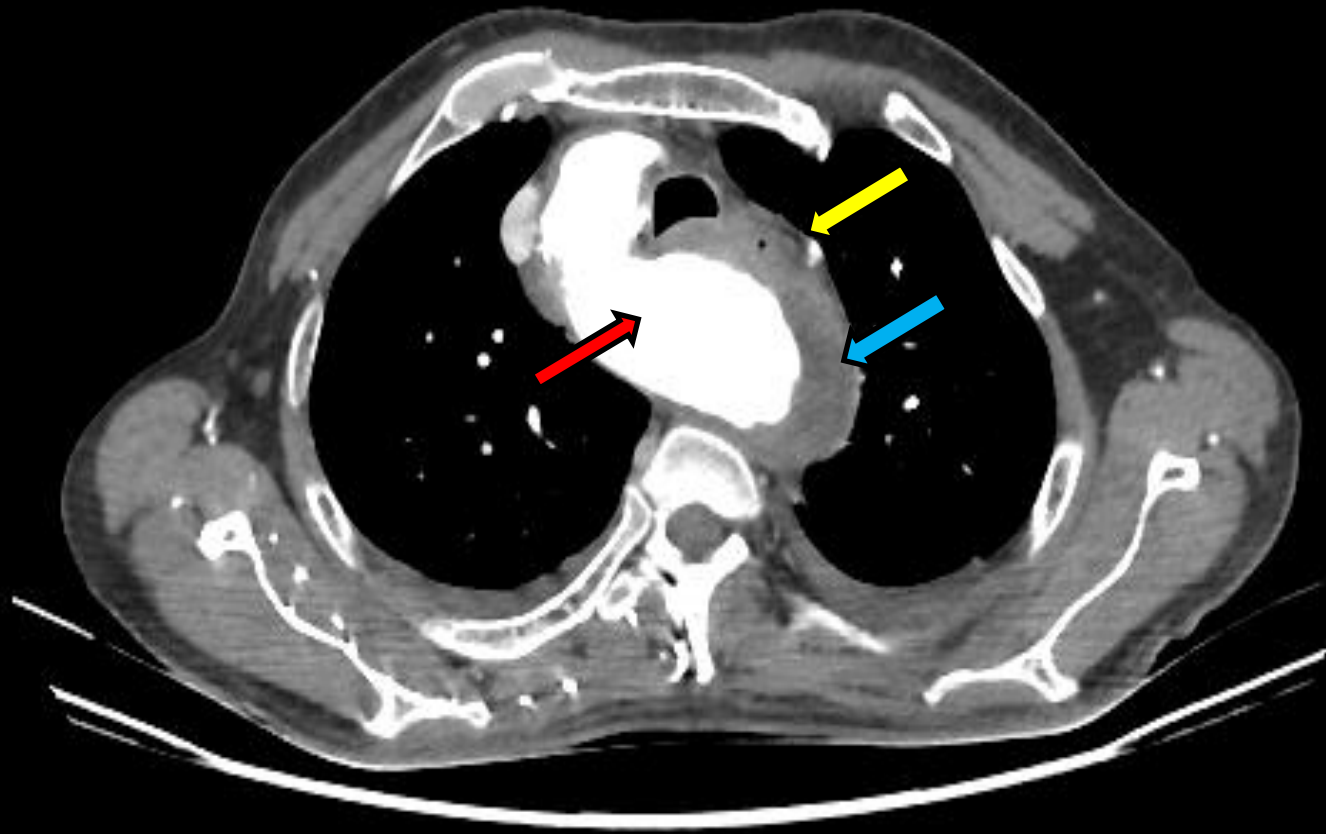


Image of fortnight

Dr. Ruthwik



- K/c/o AKI with CKD, came with complaints of shortness of breath since 2-3 weeks.



- Yellow arrow – Esophagus, Red arrow – Aortic arch, Blue arrow – Intramural hematoma



Normal aortic arch

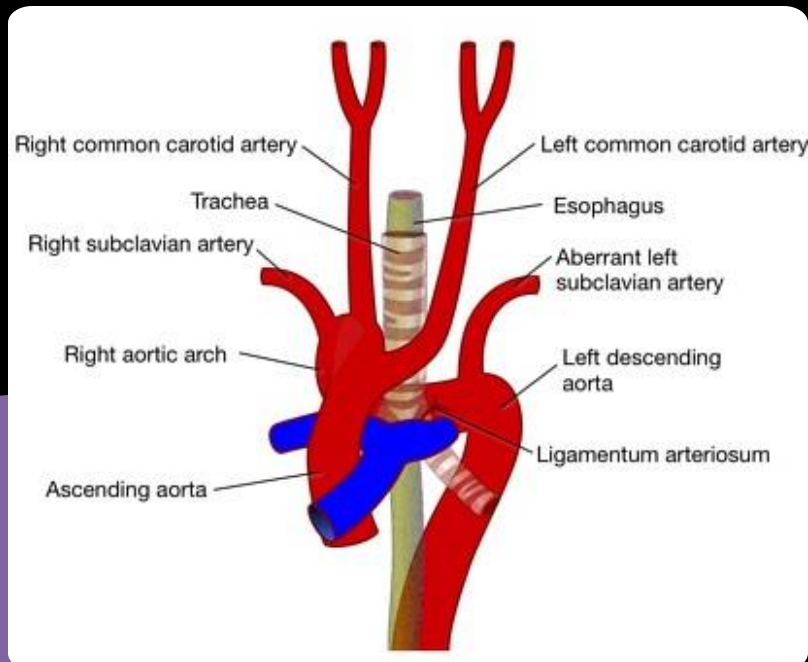


Circumflex aortic arch

Right circumflex aortic arch

It is a rare aortic arch anomaly caused by retroesophageal crossing of the aorta to the left side.

Right circumflex aorta develops when there is regression of the left fourth branchial arch and persistence of the left ductus arteriosus and left dorsal aorta.



- A right circumflex aorta is more common than a left circumflex aorta.
- Plain radiograph - show nonspecific mediastinal widening.
- CT and MRI - Can demonstrate the aorta crossing the midline posteriorly to descend to the contralateral side.
- Treatment - Patients may need to undergo aortic uncrossing, wherein the retroesophageal aorta is transected, mobilized and anastomosed to the ascending aorta anterior to the airway.

Thank you