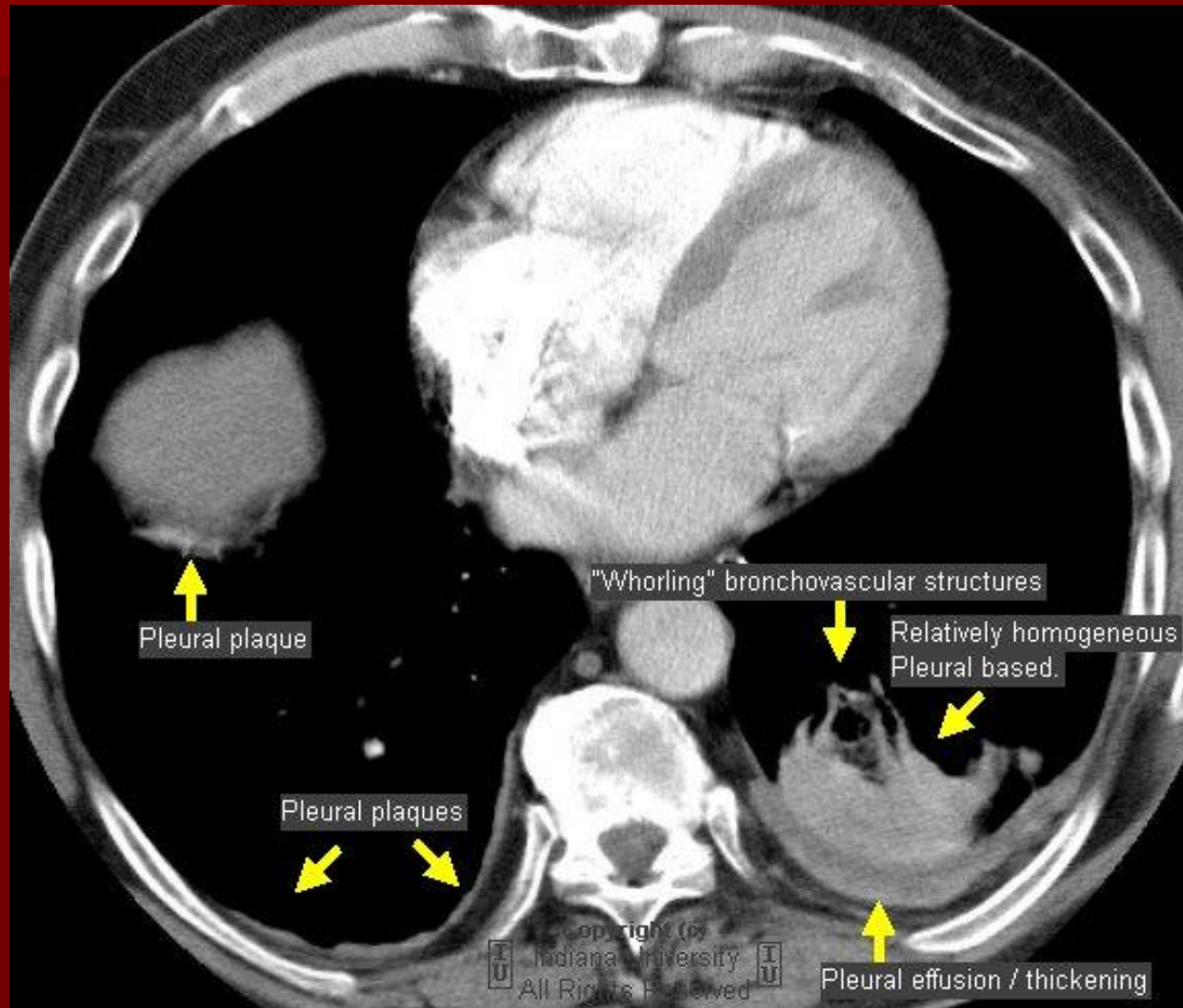


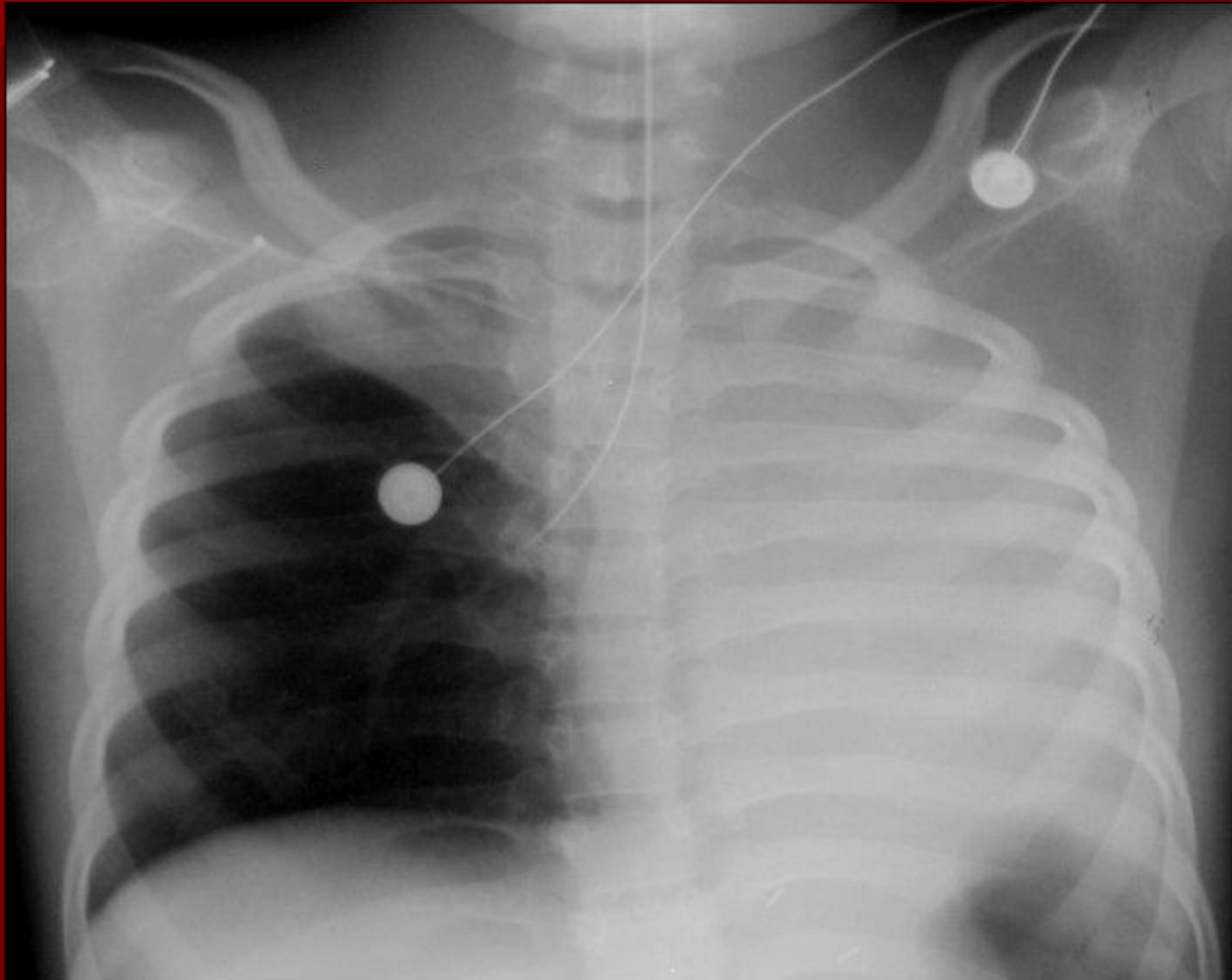
Round atelectasis (comet tail sign)



Types of Atelectasis

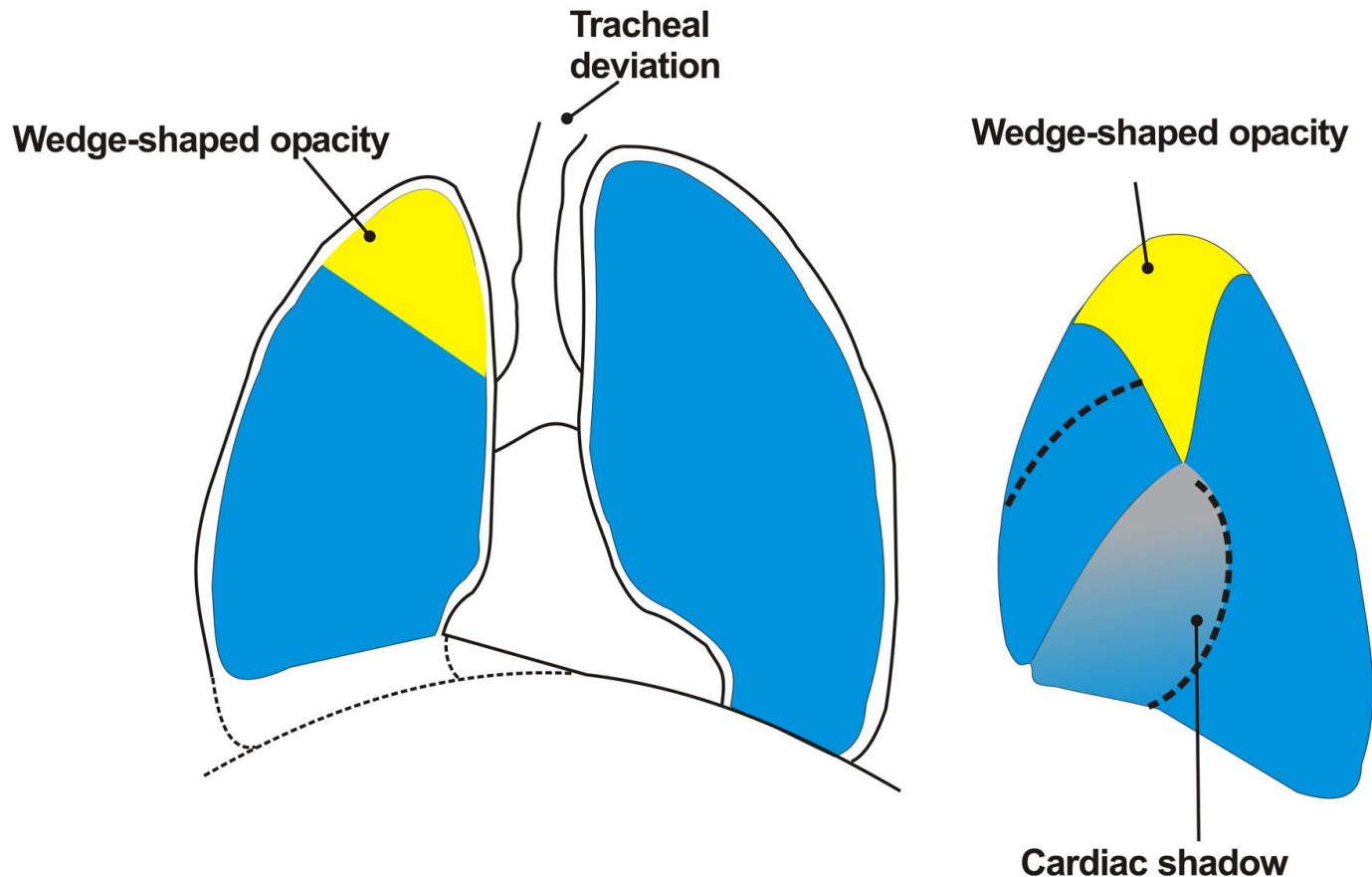
- **obstructive atelectasis** (resorptive) airless lung
 - tumor
 - foreign body
 - mucous plug
 - stricture
- **passive atelectasis** (compressive or elastic recoil)
 - low inspiratory volumes
 - pleural effusion
 - pneumothorax
 - pleural masses
- **adhesive** (decreased surfactant)
 - hyaline membrane disease
 - pulmonary embolus with infarction
- **cicatrization** (fibrosis: local or general leading to volume loss)

Atelectasis 2 ETT



Right upper lobe collapses posteriorly and inferiorly

Right upper lobe collapse



Right upper lobe collapses

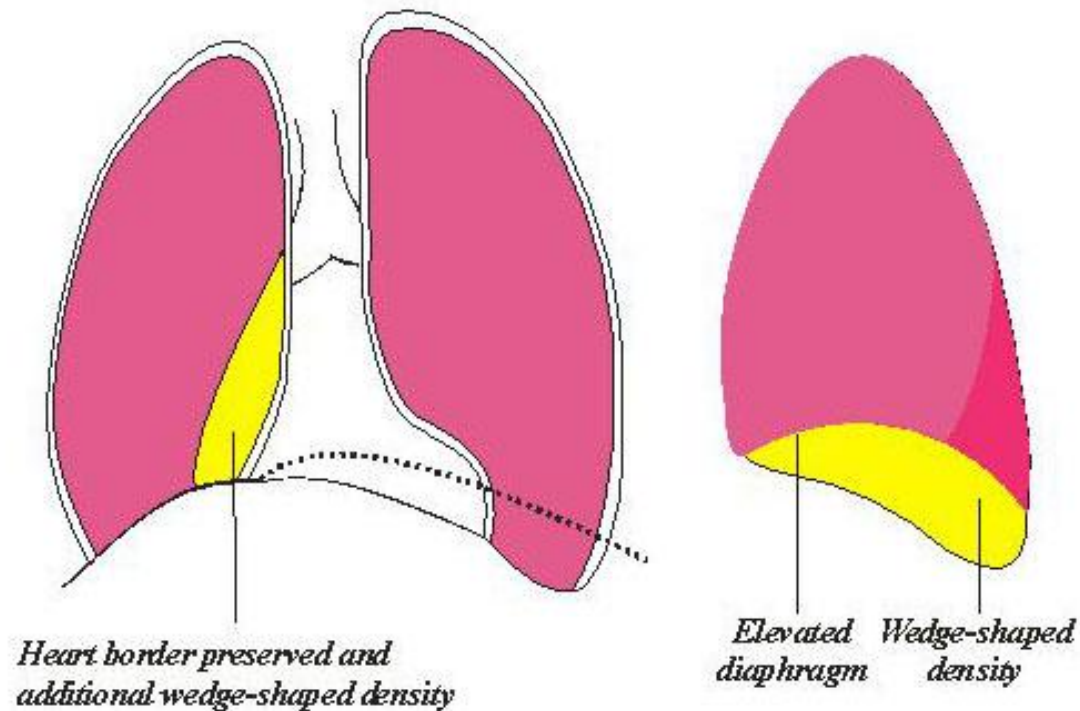


Right upper lobe collapses

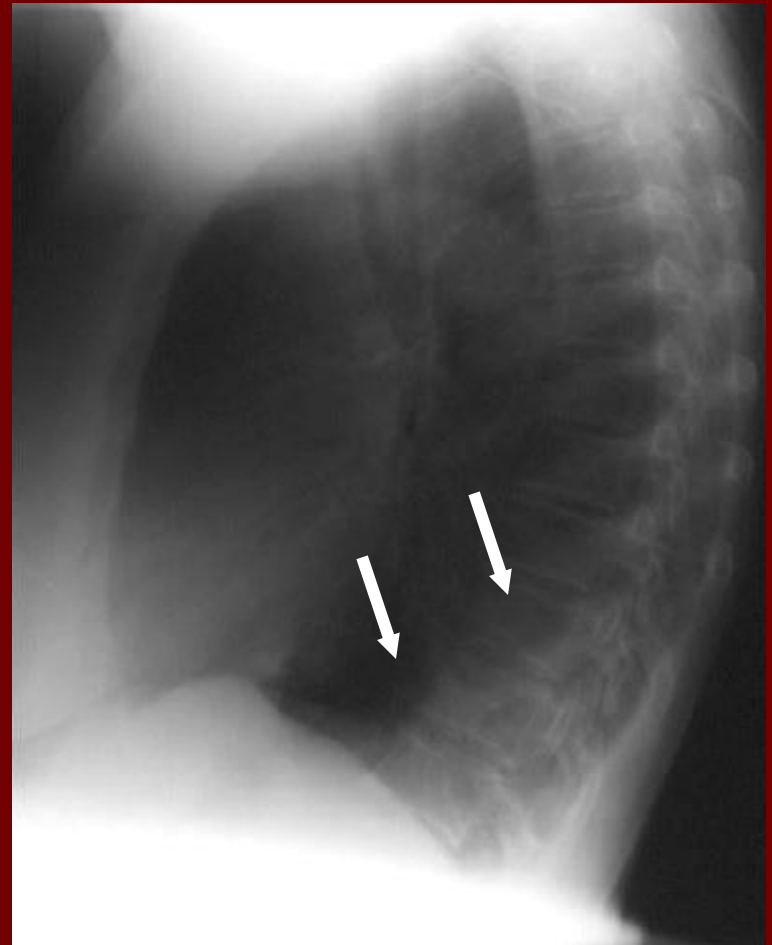
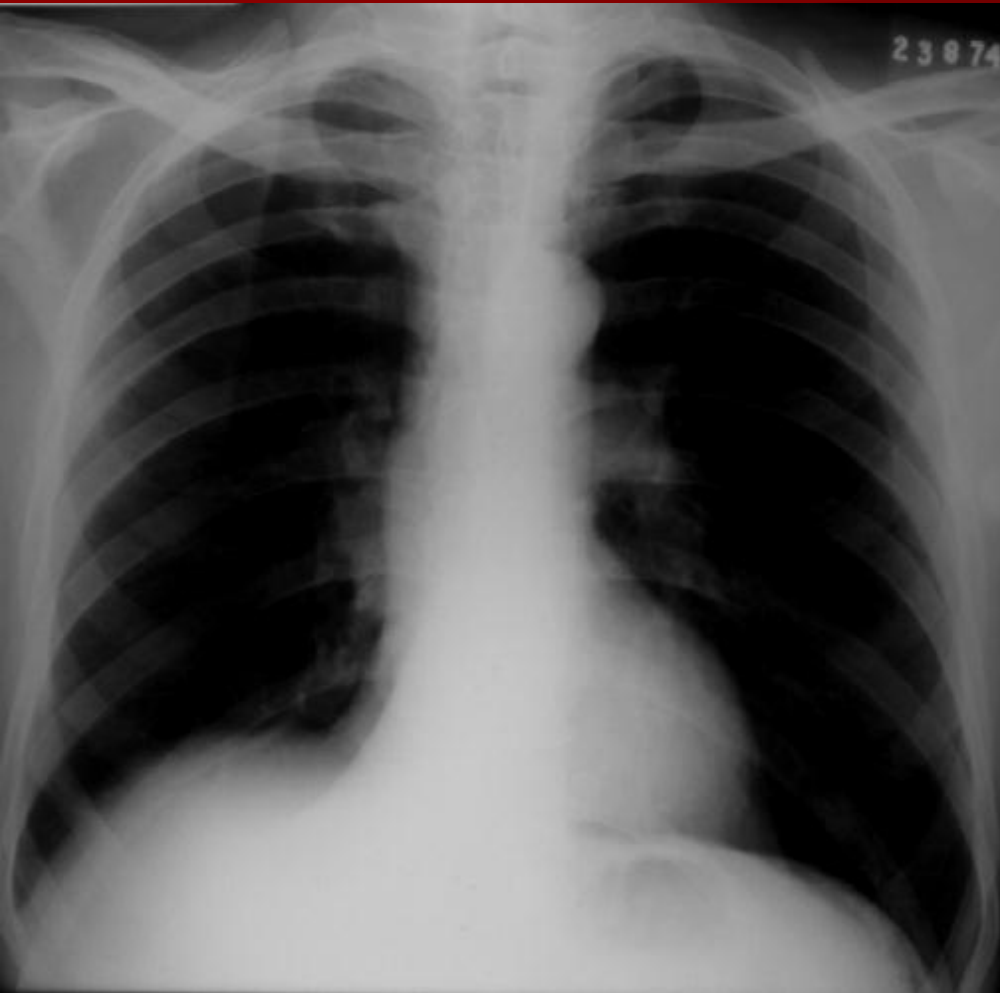


Right lower lobe collapses anteriorly and superiorly

Right lower lobe collapse

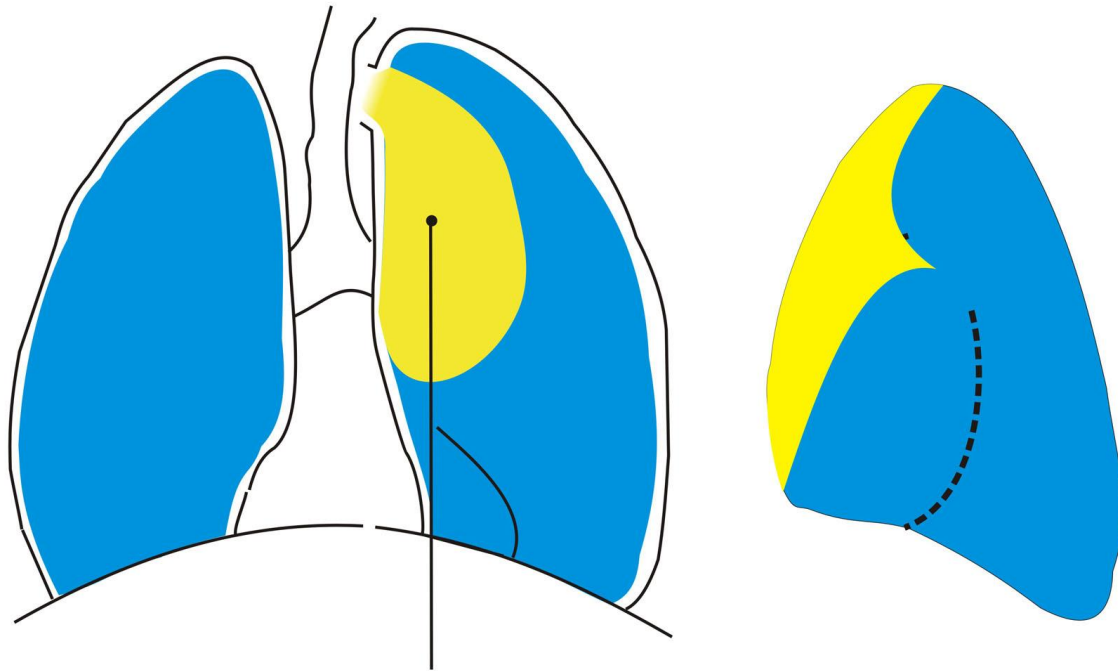


Right lower lobe collapse



Left upper lobe collapses superiorly and anteriorly

Left Upper lobe collapse



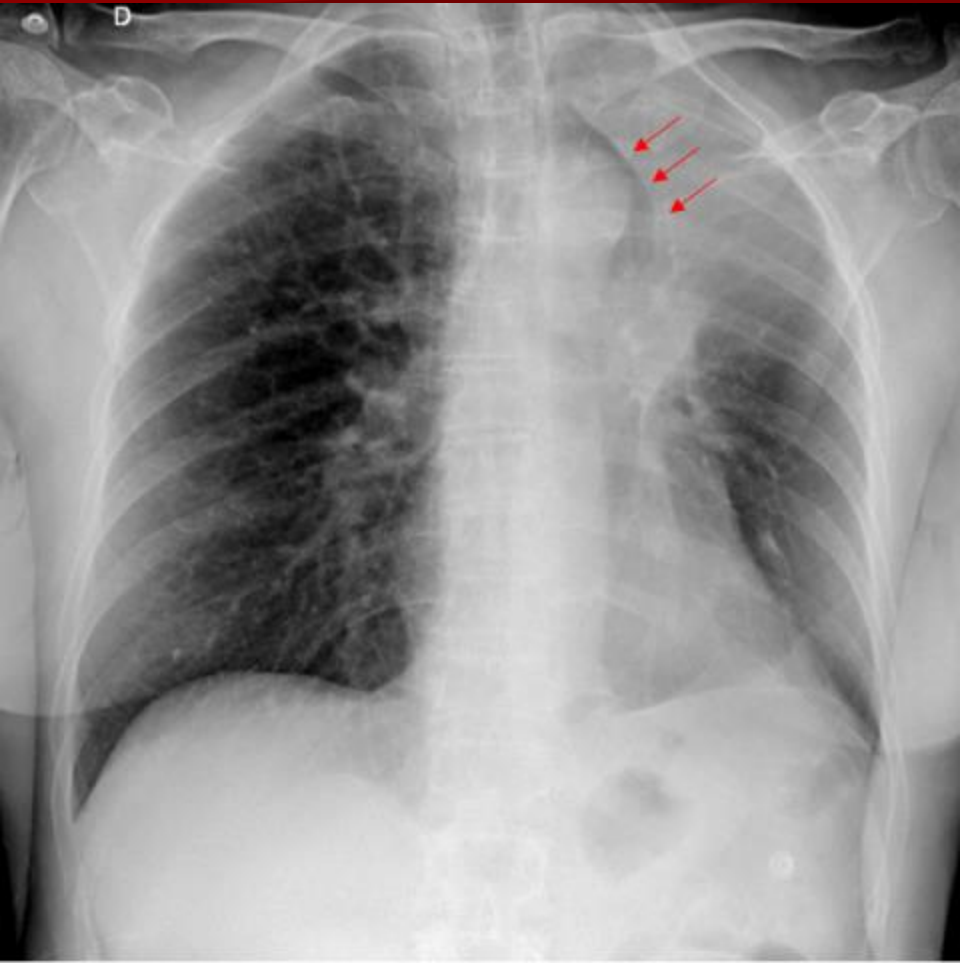
Hazy opacity obscuring heart border but with obvious aortic knuckle and descending aorta

Left upper lobe collapses

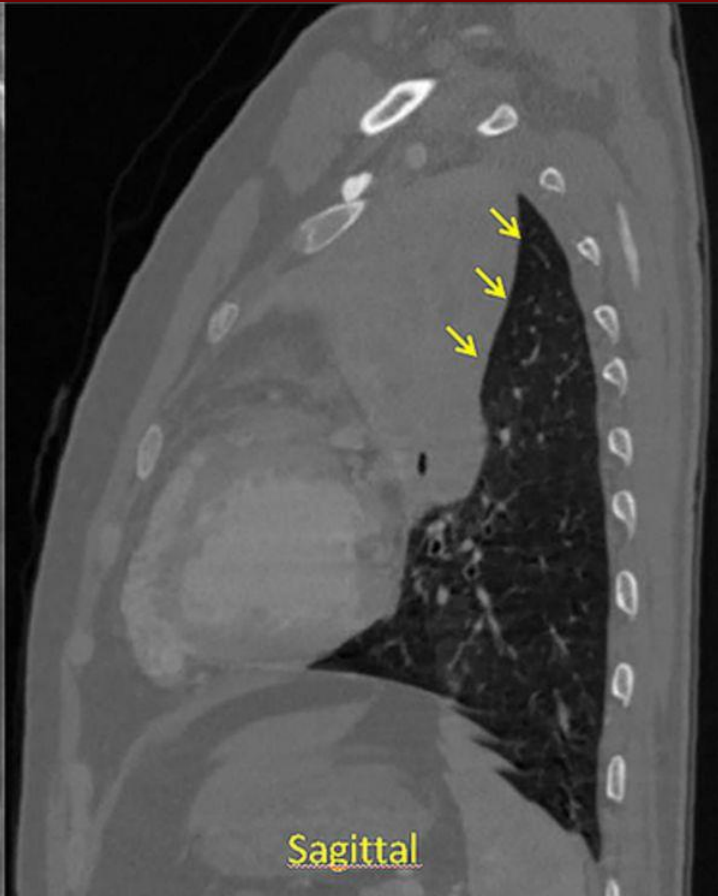


***luftsichel* sign** is hyperextension of **superior segment** of the left lower lobe, which then occupies the left apex

Luftsichel sign



Luftsichel sign



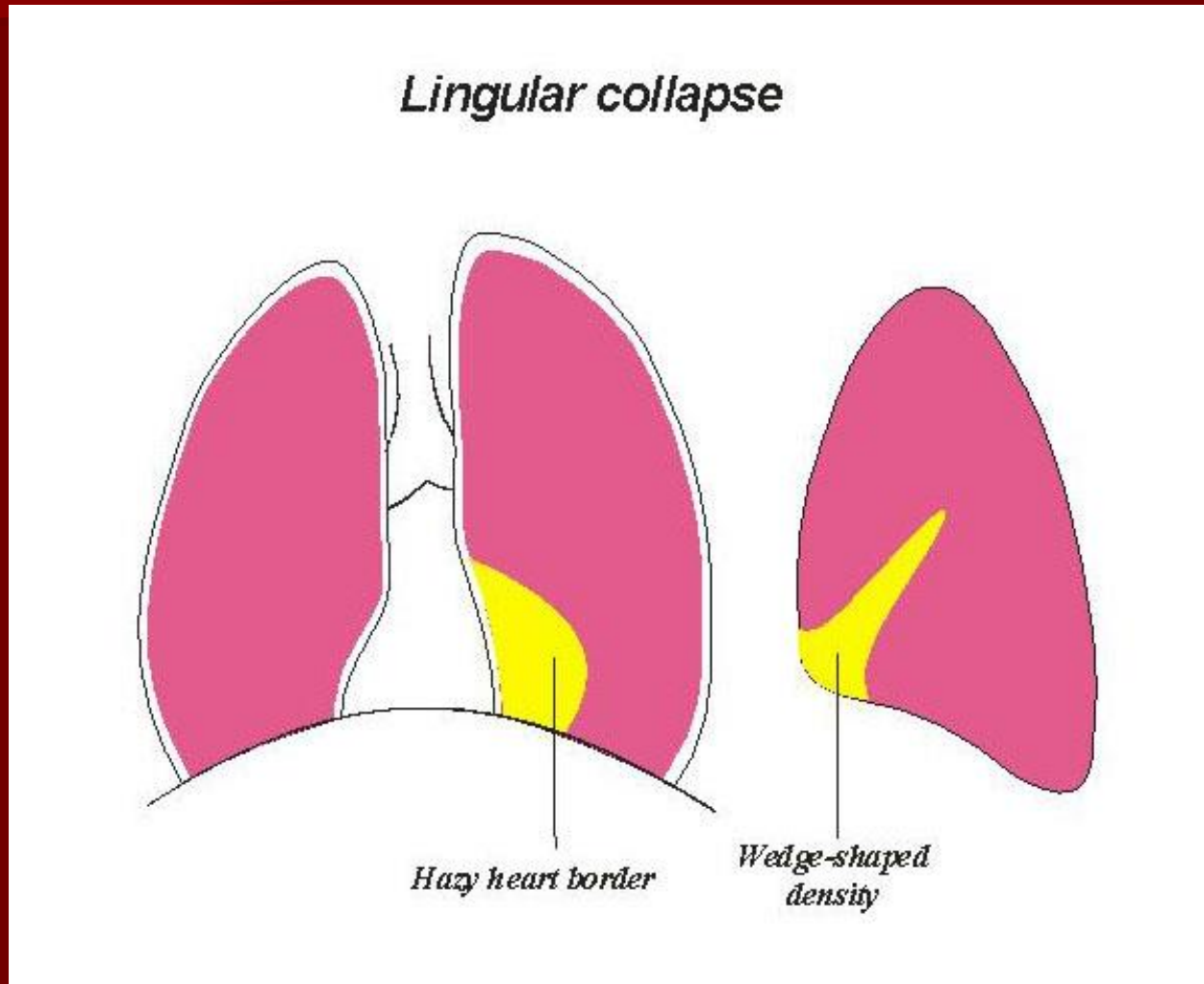
Left upper lobe collapses



Left upper lobe collapses

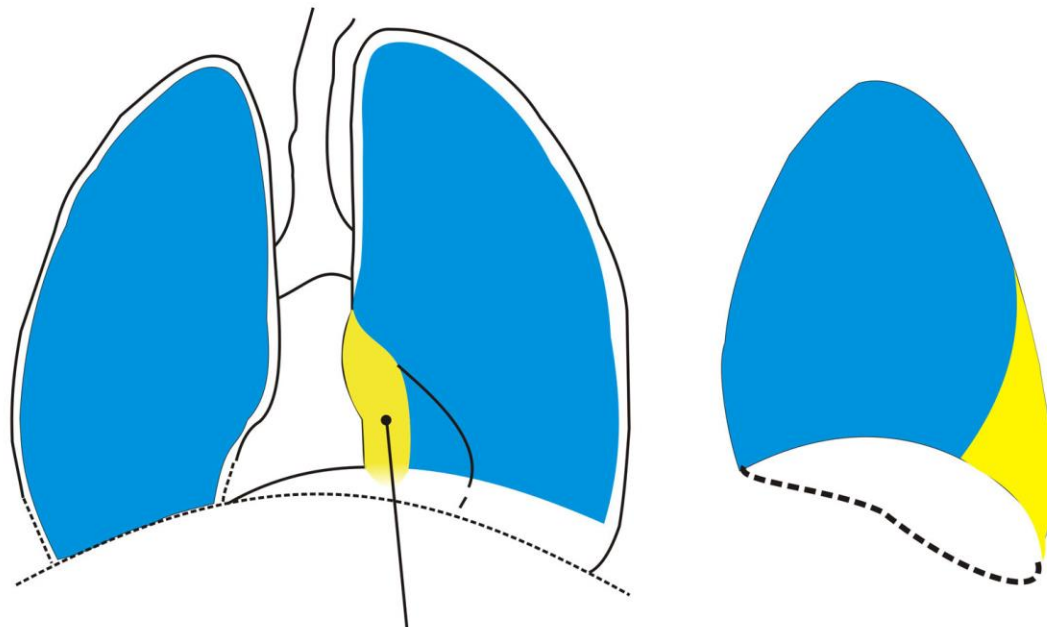


Lingula collapses medially



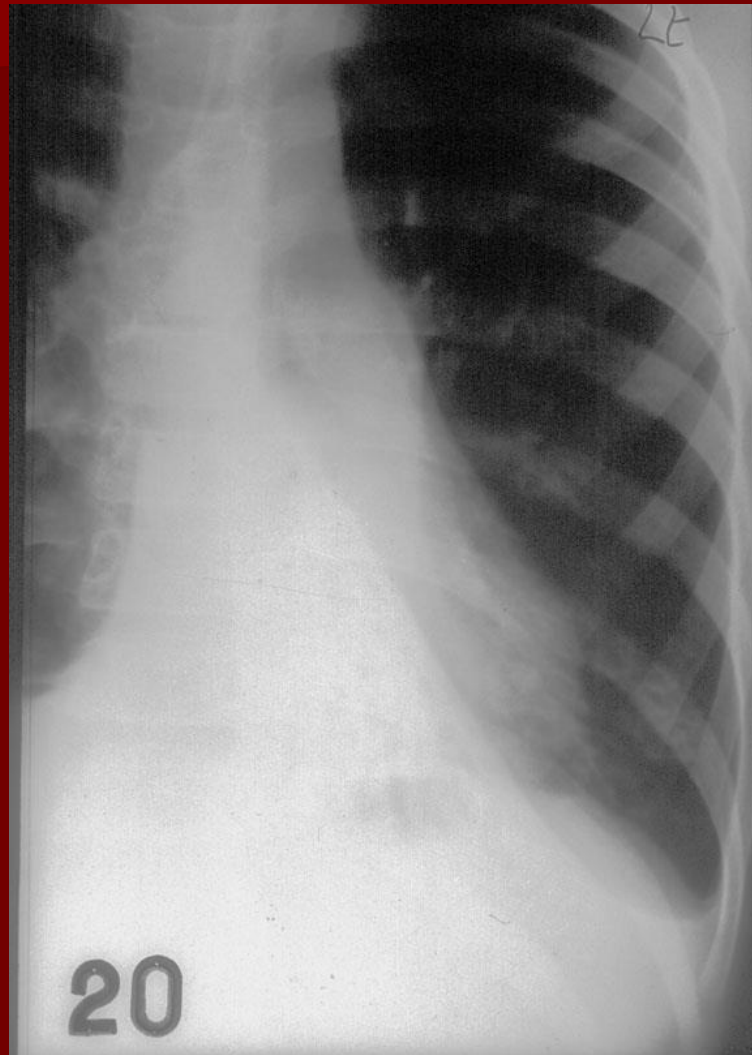
Left lower lobe collapses posteriorly and inferiorly

Left Lower lobe collapse



Wedge-shaped density behind heart, obscuring medial diaphragm, which is elevated

Left lower lobe



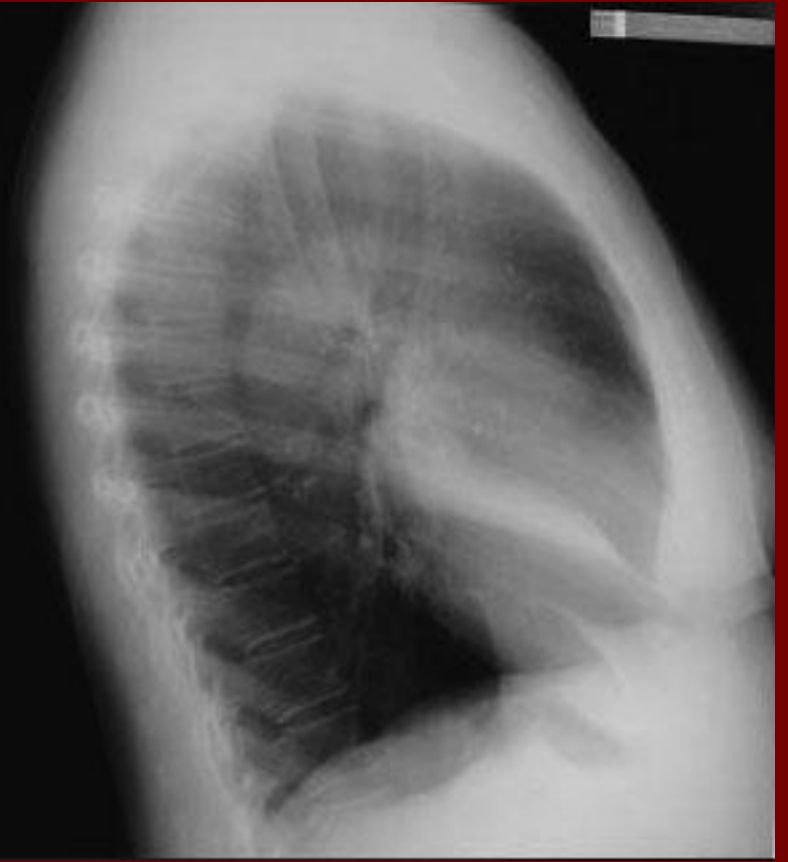
Left lower lobe



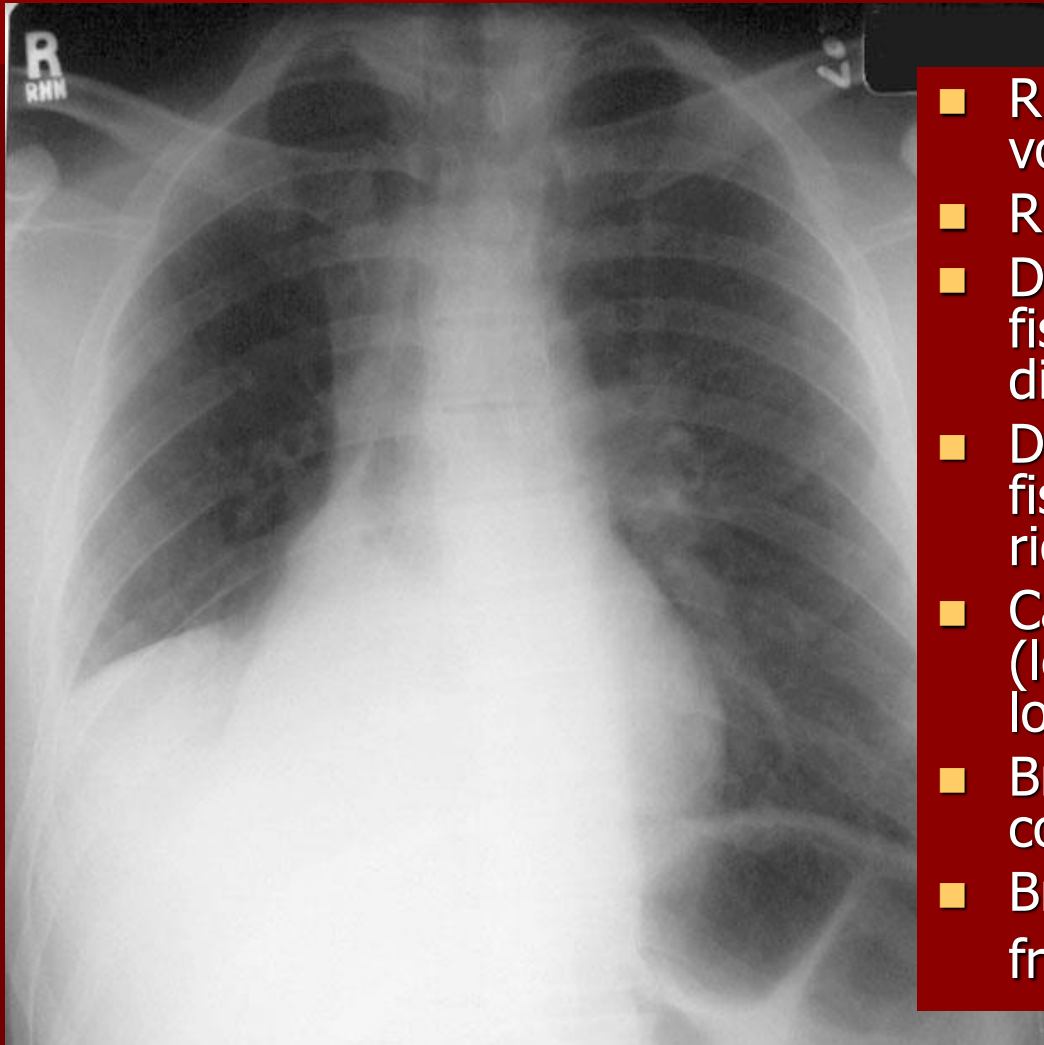
Left lower lobe



RML



RML and RLL Collapse



- Right hemithorax smaller in volume than left
- Right mediastinal shift
- Downward displacement of major fissure with opacity obscuring diaphragm
- Downward displacement of minor fissure with opacity obscuring right heart border
- Caveat - collapse vs. effusion (look for other signs of volume loss)
- Bronchi pulled "toward" the collapsed lung
- Bronchi may be pushed "away" from the effusion

Round Atelectasis

