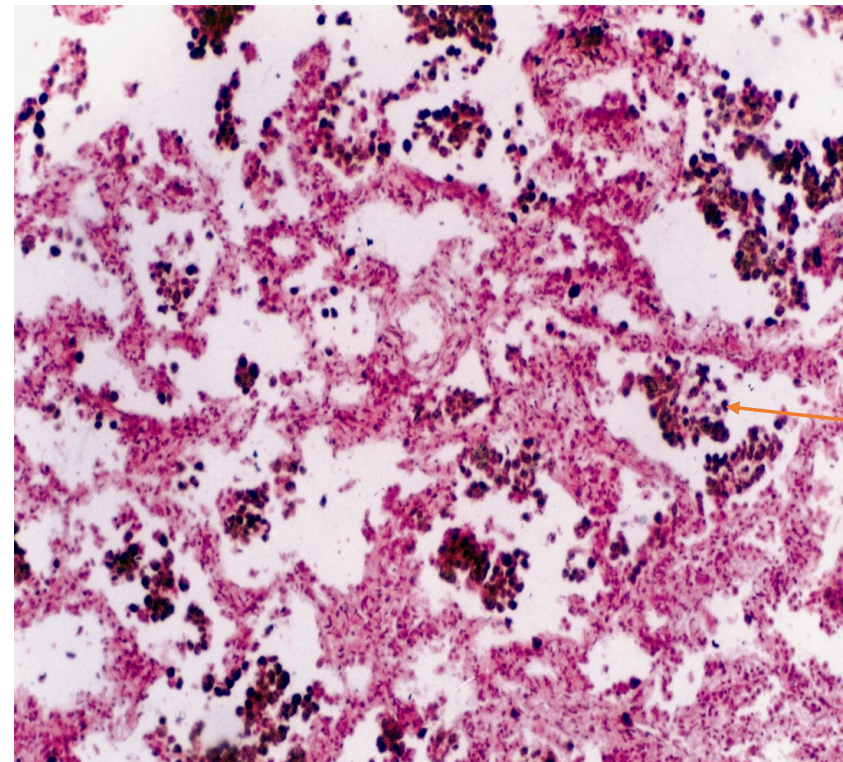
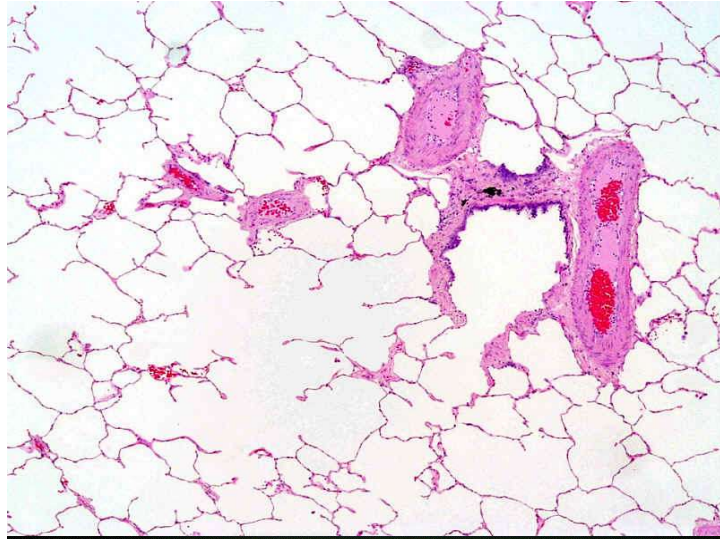


# DISORDERS OF BLOOD FLOW

- Lung
- The alveolar spaces are filled with blood showing many heart failure cells. The alveolar walls show dilated congested blood vessels.
- Chronic venous congestion lung

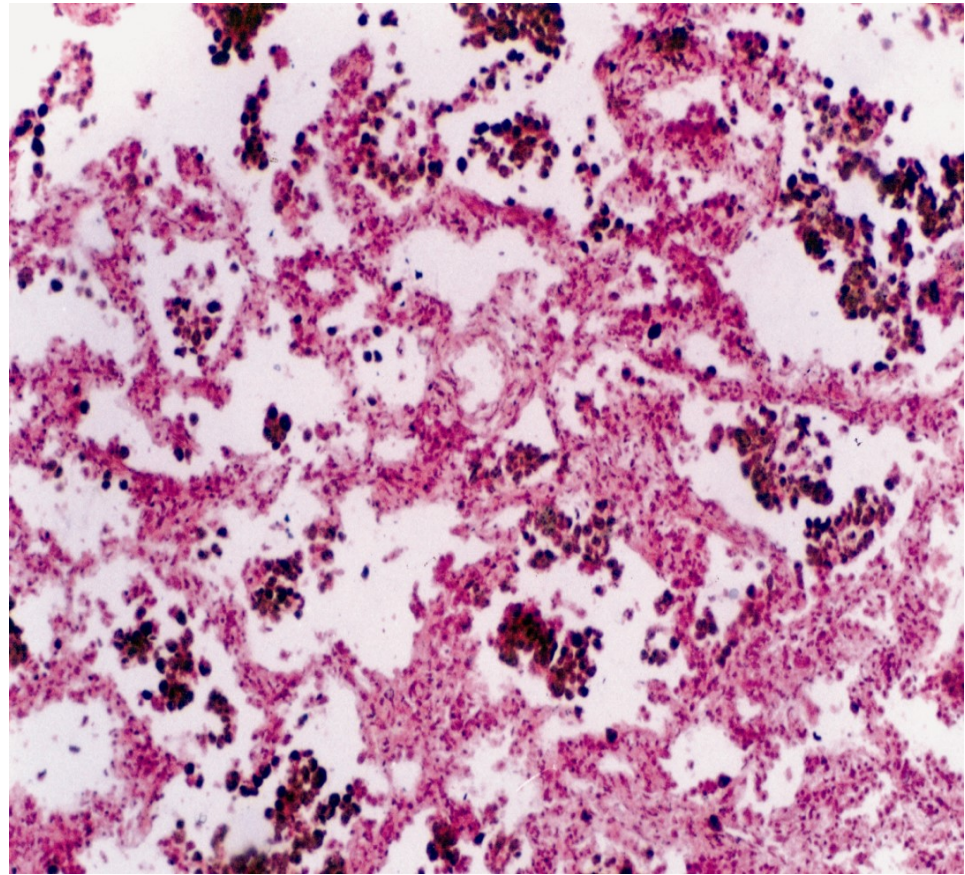


Heart failure  
cells



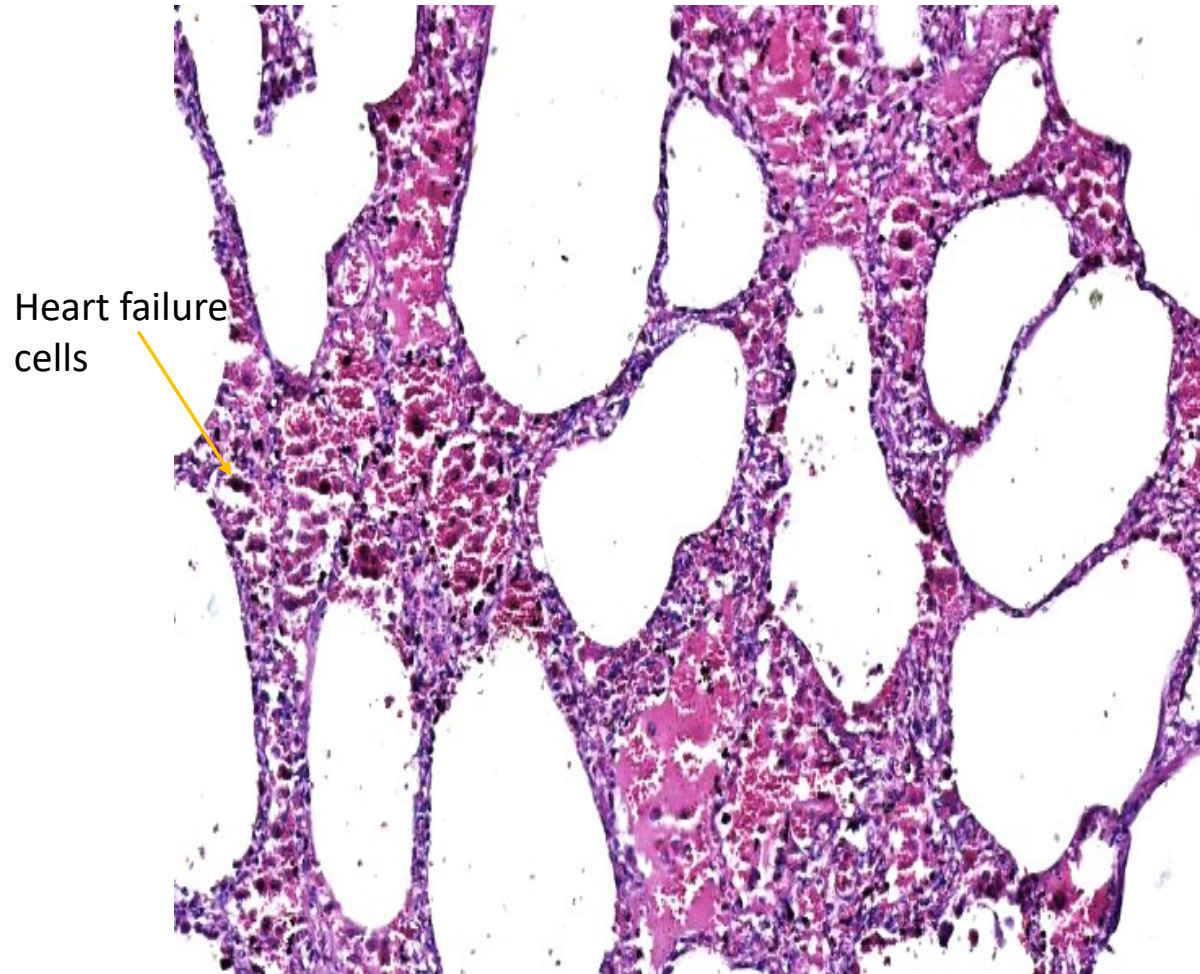
**Normal lung**

**Chronic venous congestion lung**

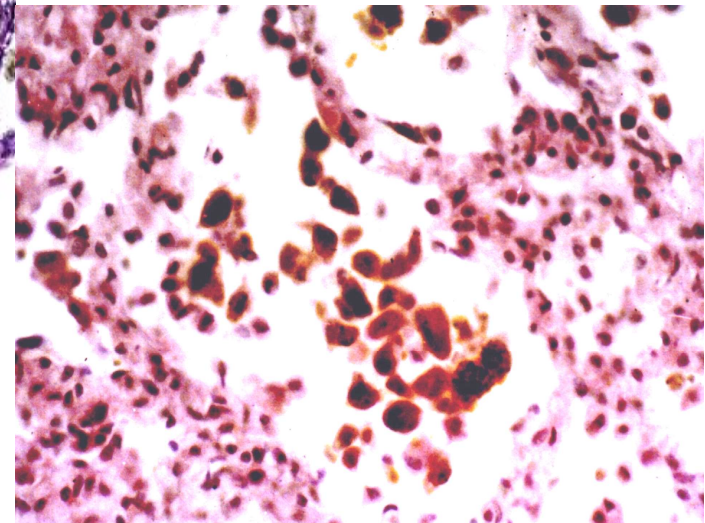
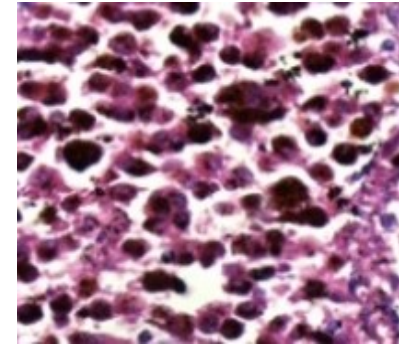




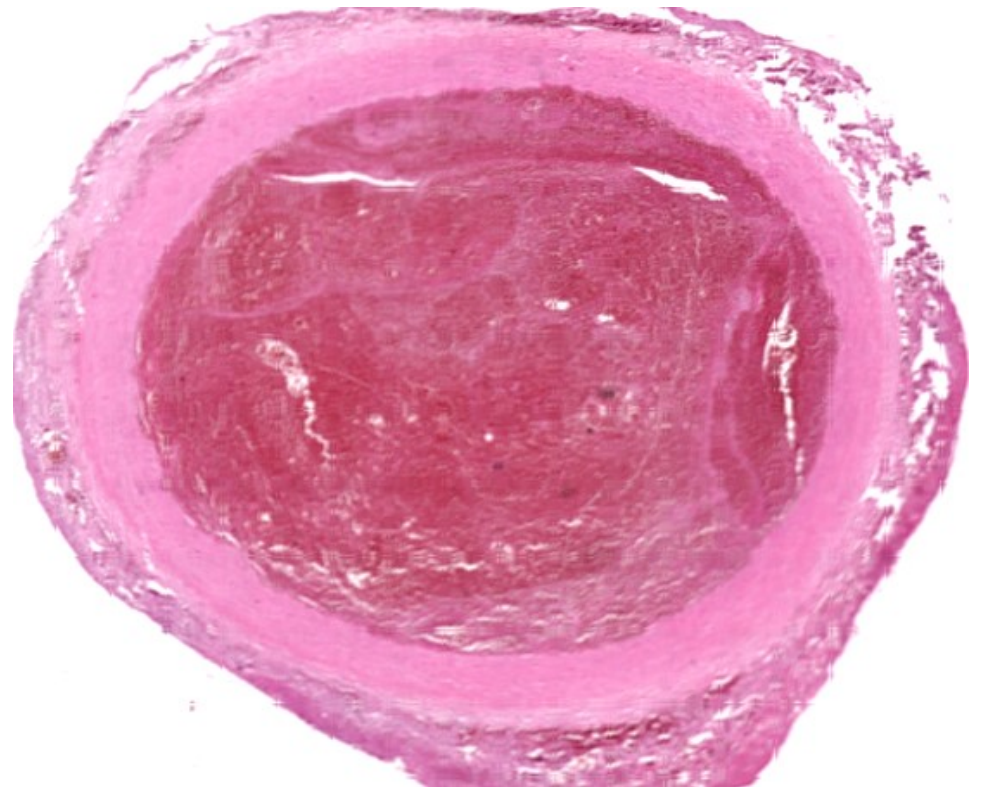
## Chronic venous congestion lung



Heart failure cells

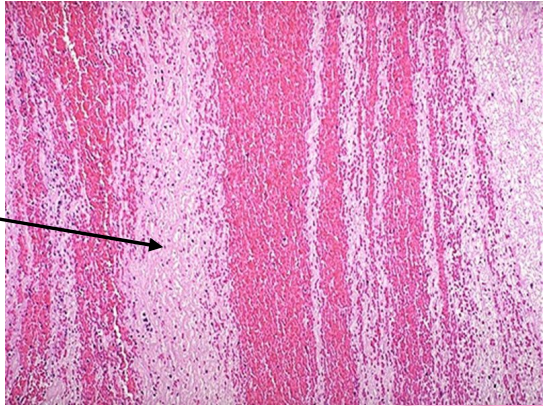


- Blood vessel
- The lumen of blood vessel is occluded by a solid mass formed of pink aggregates of platelets called lines of Zahn alternating with fibrin entangling RBCs.
- Recent thrombosis of blood vessel.

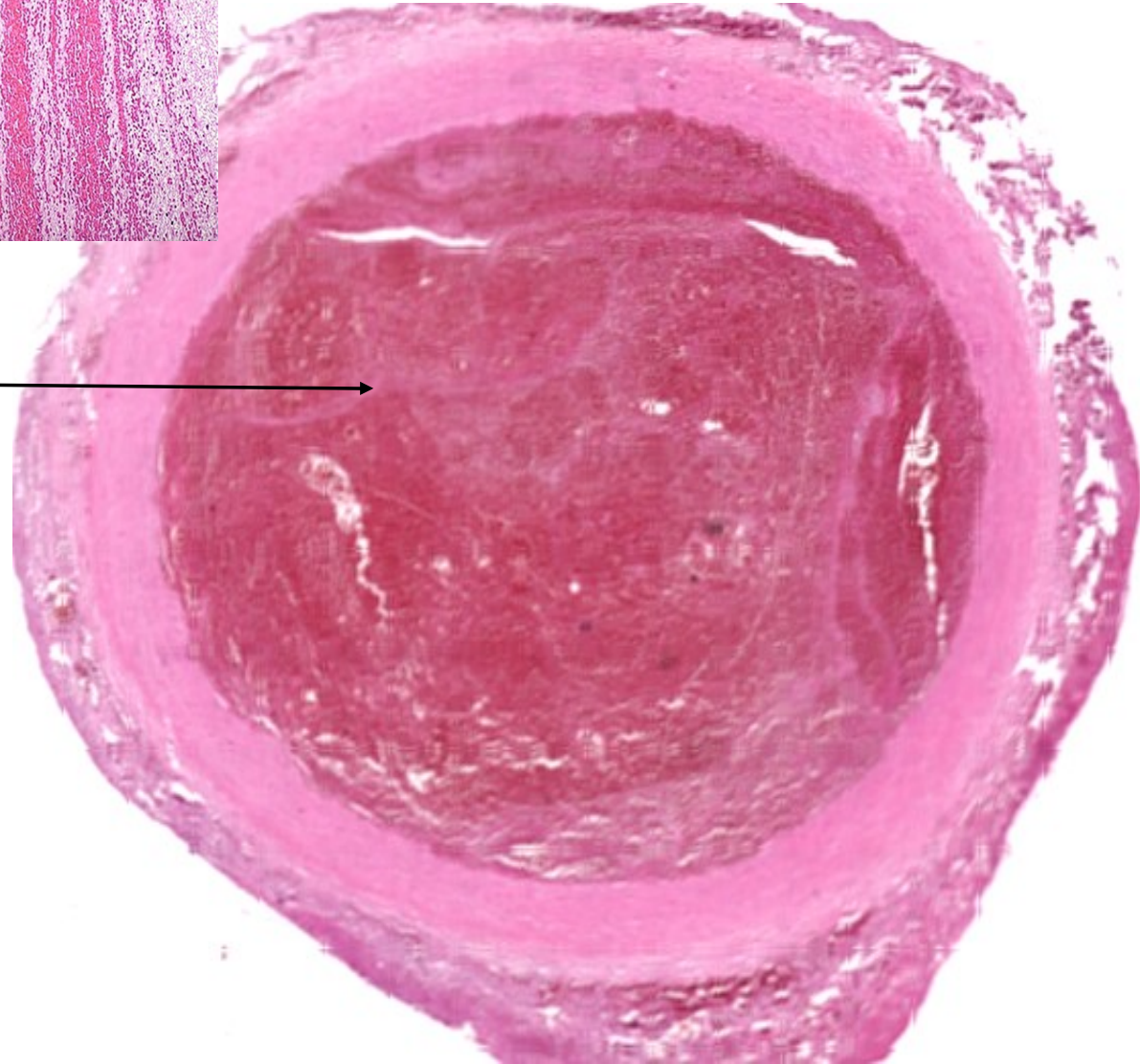




**Recent thrombus**

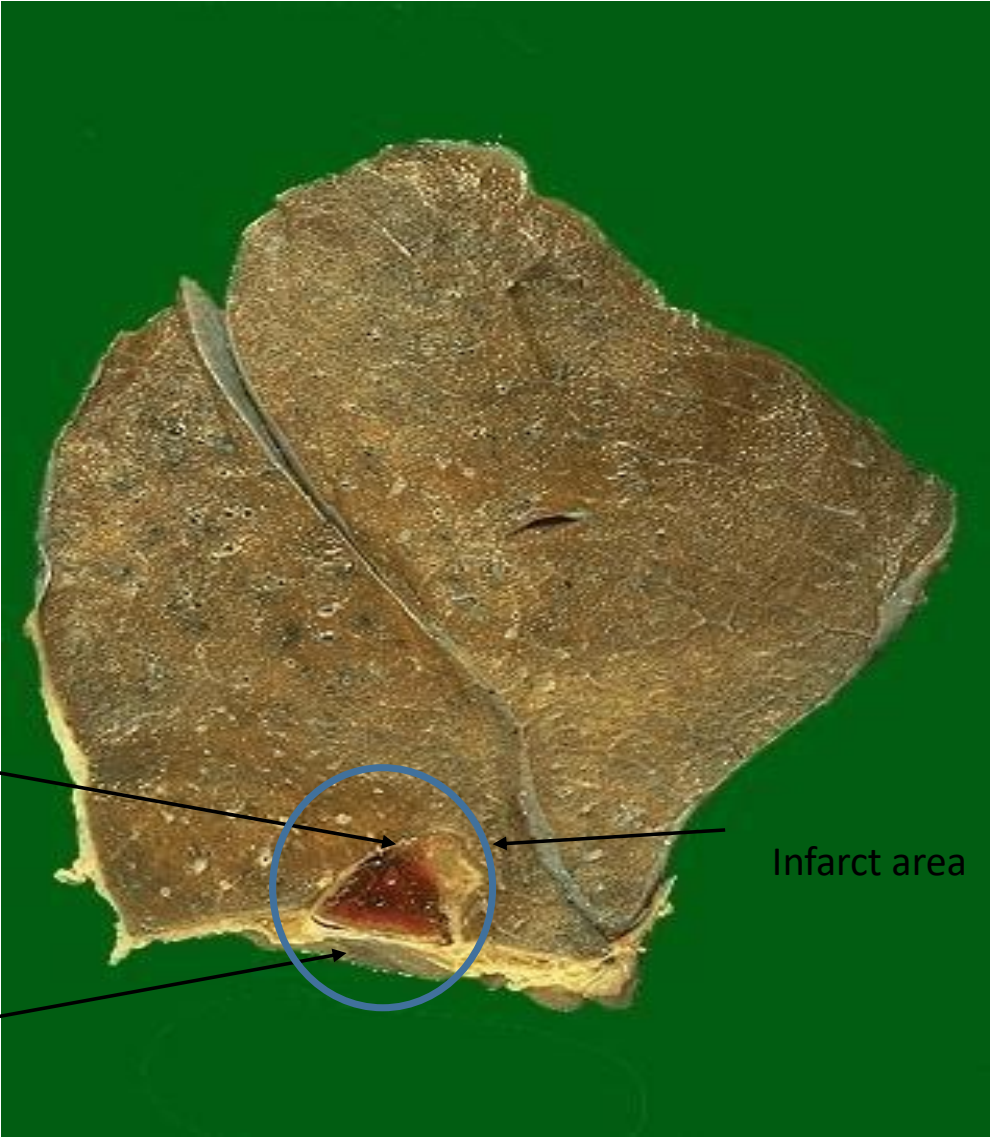


Lines of Zahn



- Lung
- The lung shows a pyramidal lesion, which is red in color covered by dull thick opaque greyish white pleura. The apex of the lesion points at an occluded vessel.
- Recent red hemorrhagic lung infarction.





Infarct  
apex

Infarct area

Fibrinous  
pleurisy



- Brain
- The cerebrum shows an area of liquefied tissue (liquefactive necrosis)
- Recent cerebral infarction



- Kidney
- The kidney shows a pyramidal lesion, which is pale in color covered by dull thick opaque greyish white capsule. The apex of the lesion points at an occluded vessel.
- Recent renal pale infarction.



- Left foot
- The foot is shrunken, dry, black and mummified
- There is prominent line of demarcation and line of separation.
- Dry gangrene, left foot.

Line of demarcation



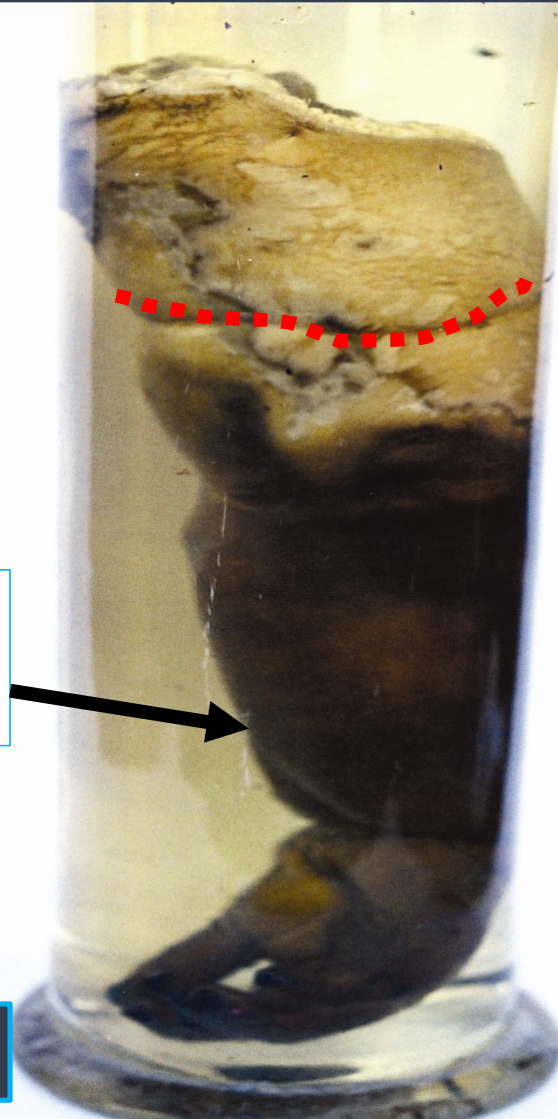


- Arm and forearm
- The forearm is dark brown in color, edematous with macerated skin.
- The line of demarcation is present but not prominent. No line of separation.
- A tourniquet mark line is noticed in the arm.
- Wet, moist gangrene of forearm.



C76-5

# MOIST GANGRENE, UPPER LIMB



Line of  
tourniquet

Brown,  
macerated skin

Right upper limb



**Test yourself**



