

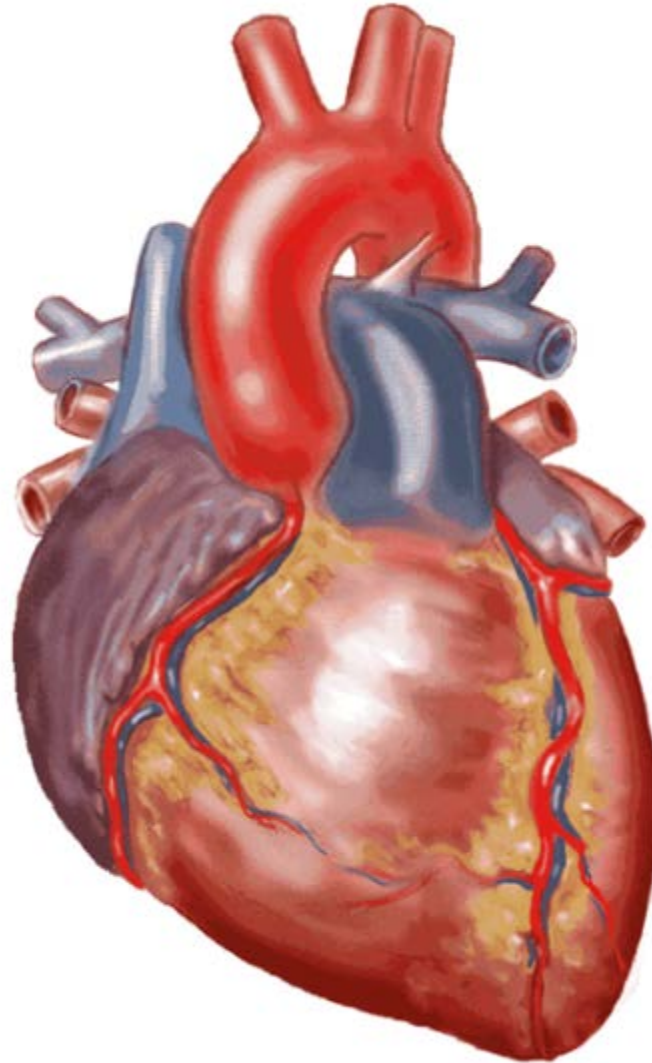


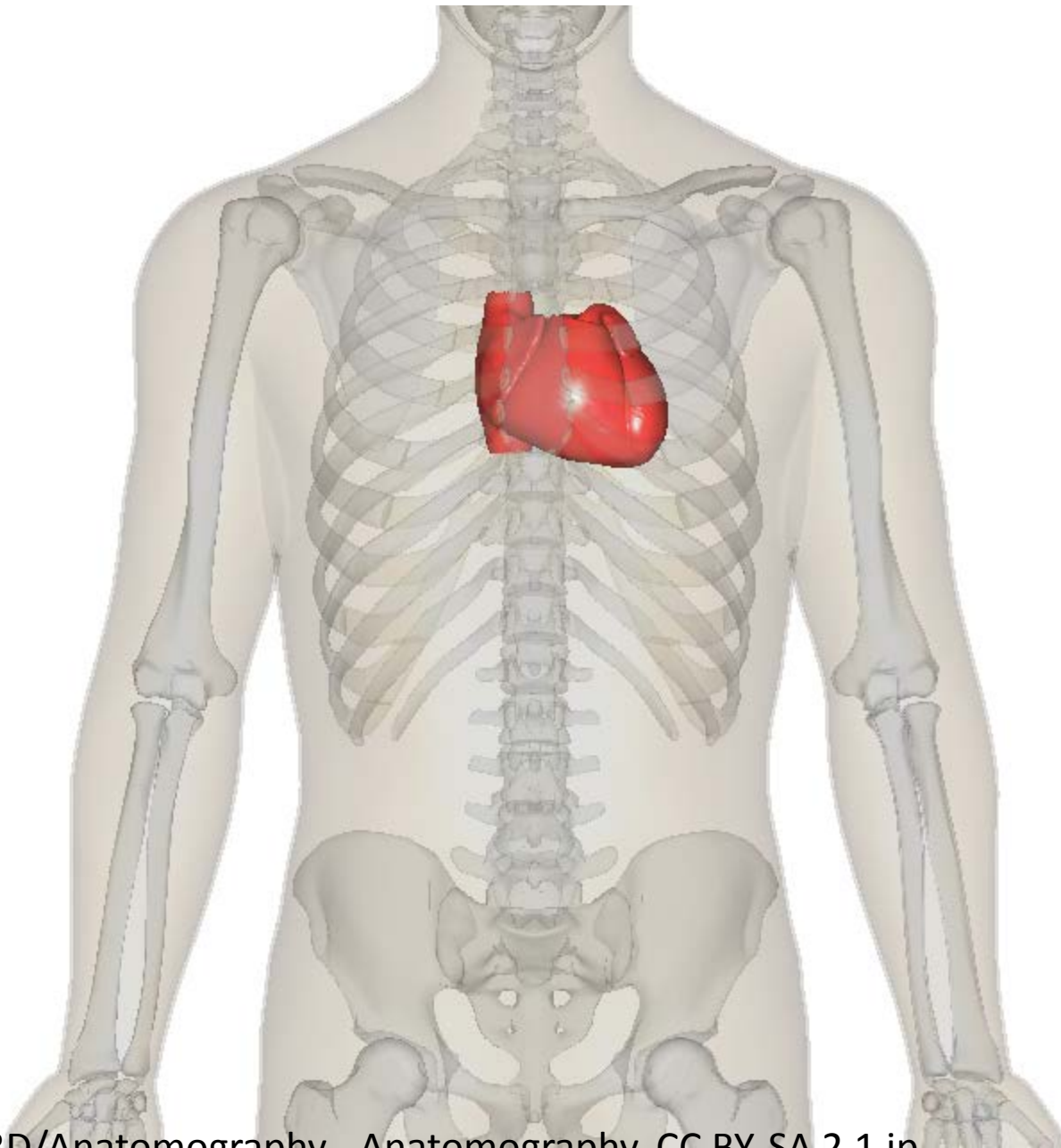
# Department of Radiation Therapy CPD Workshop – The Heart

Paul Kane

Department of Radiation Therapy

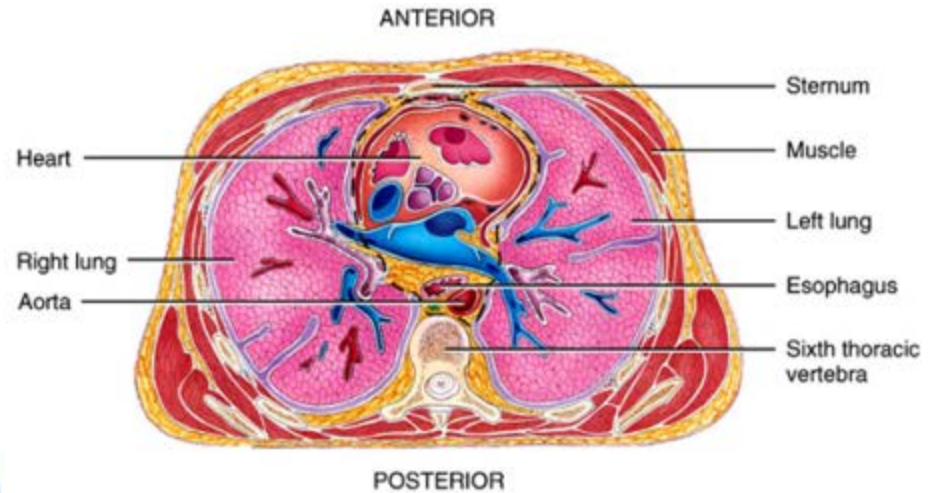
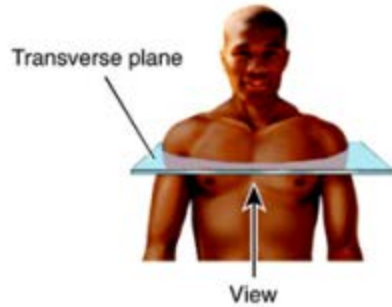
# Anatomy of the Heart



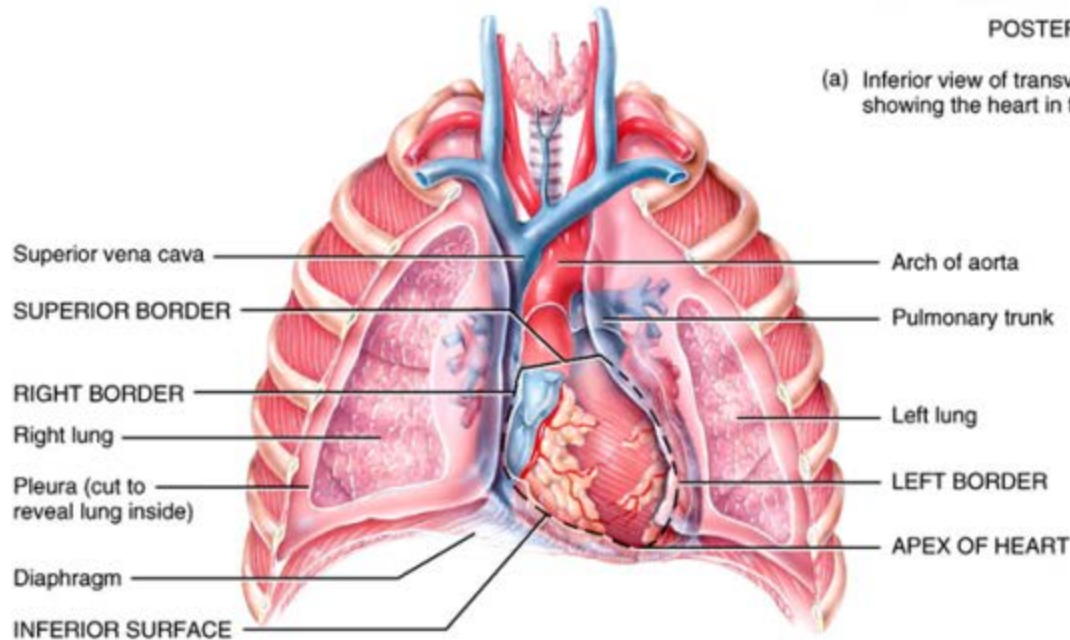


By BodyParts3D/Anatomography - Anatomography, CC BY-SA 2.1 jp,  
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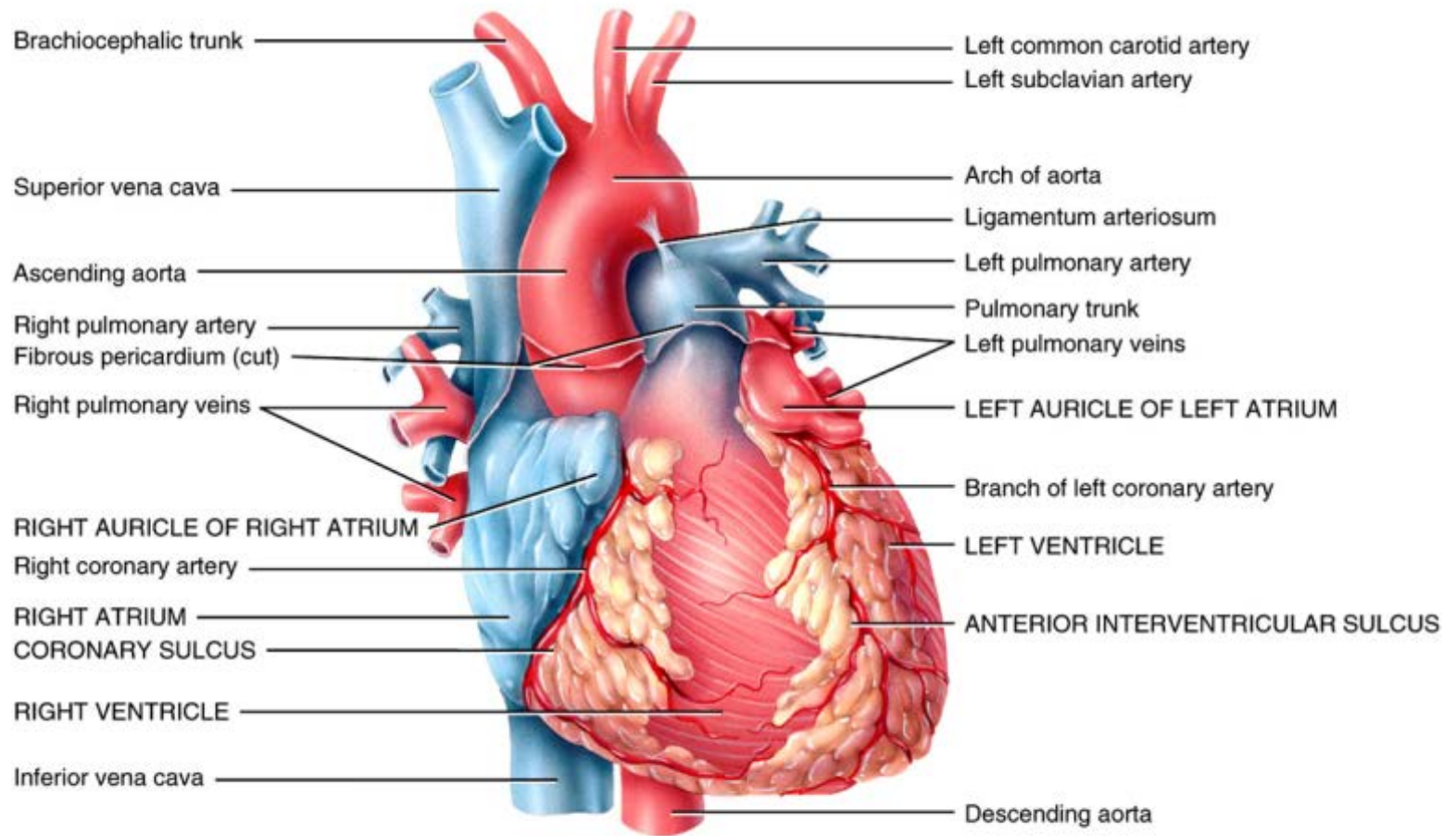
# Gross Anatomy



(a) Inferior view of transverse section of thoracic cavity showing the heart in the mediastinum

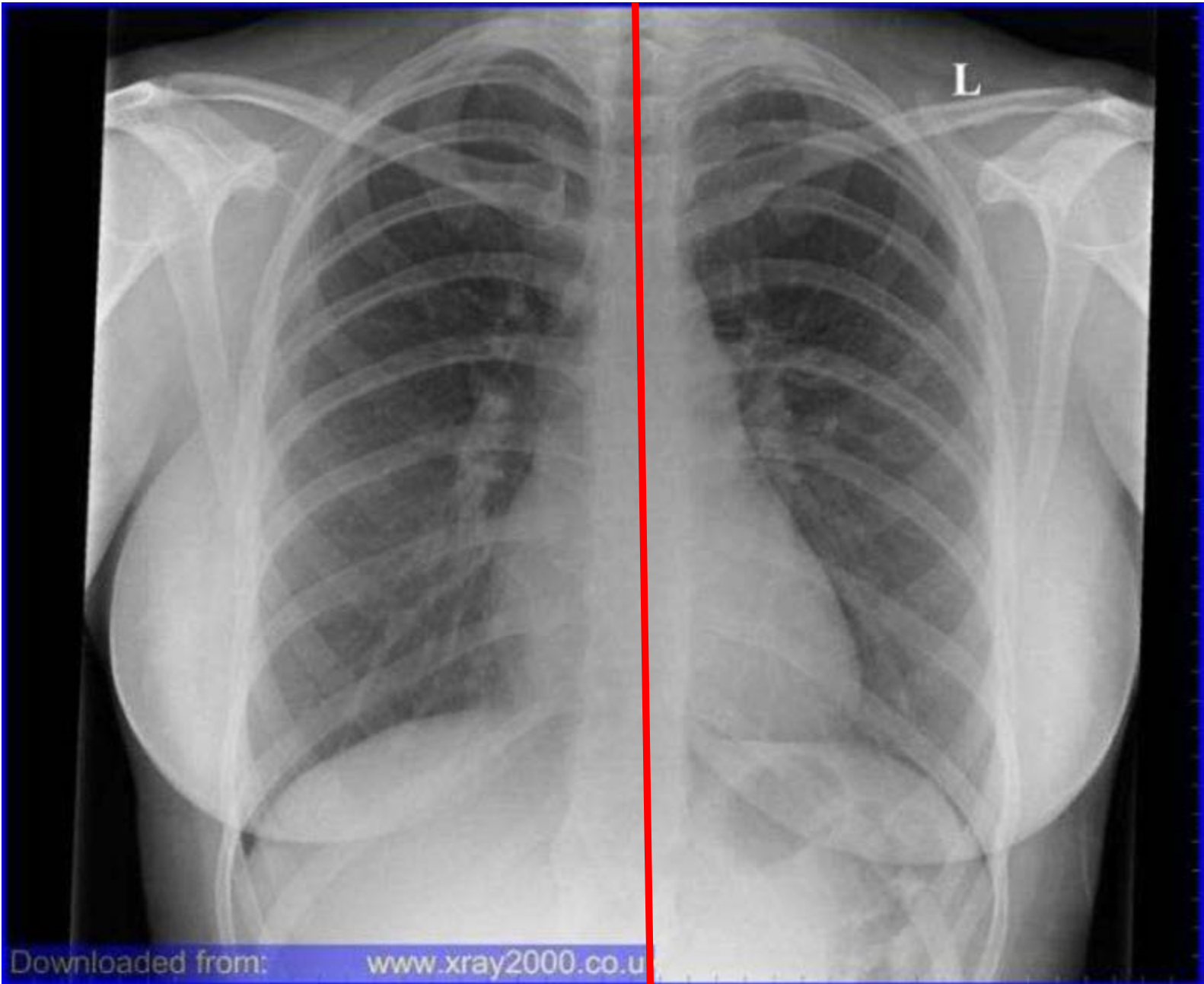


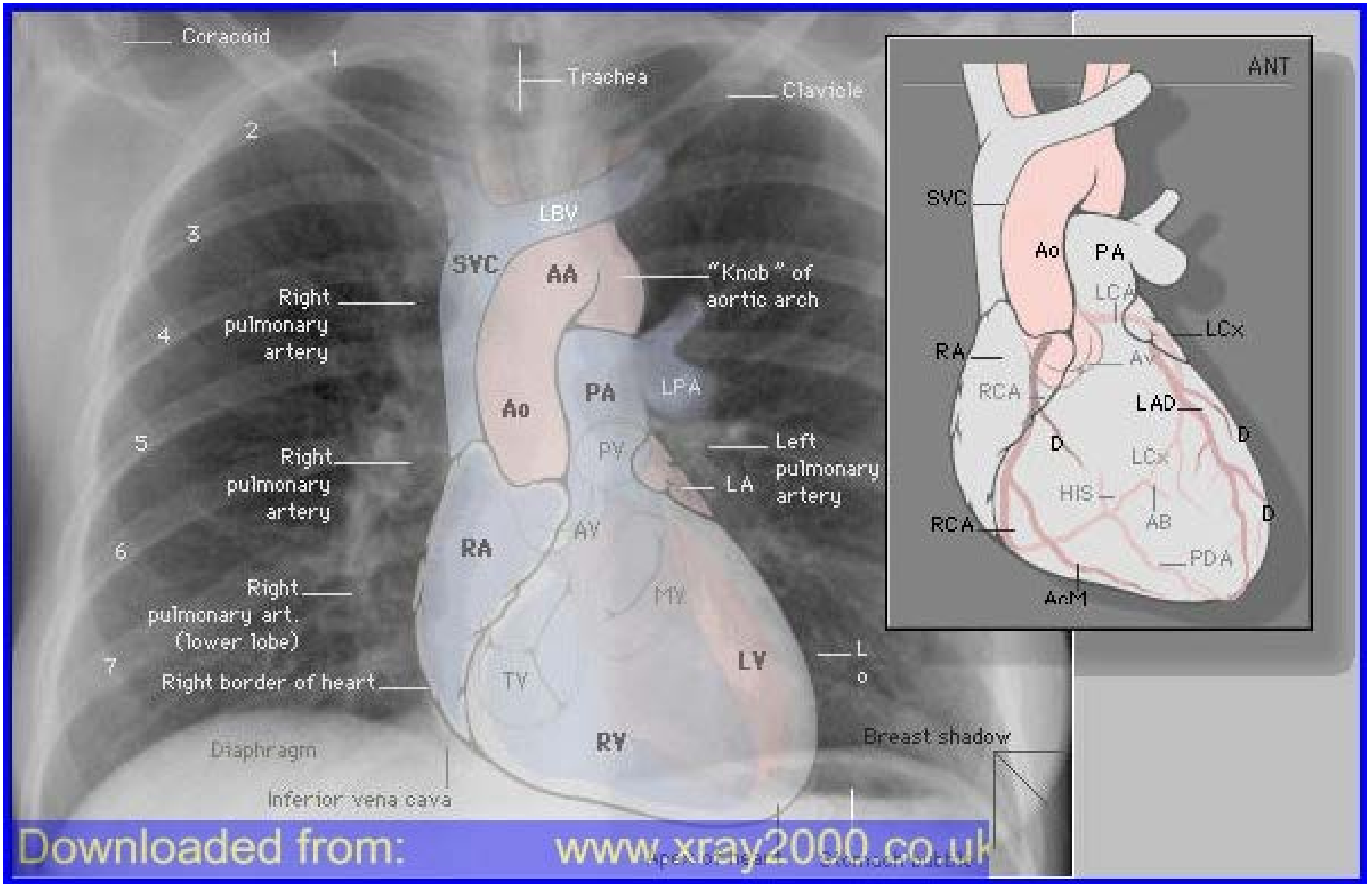
(b) Anterior view of the heart in the thoracic cavity



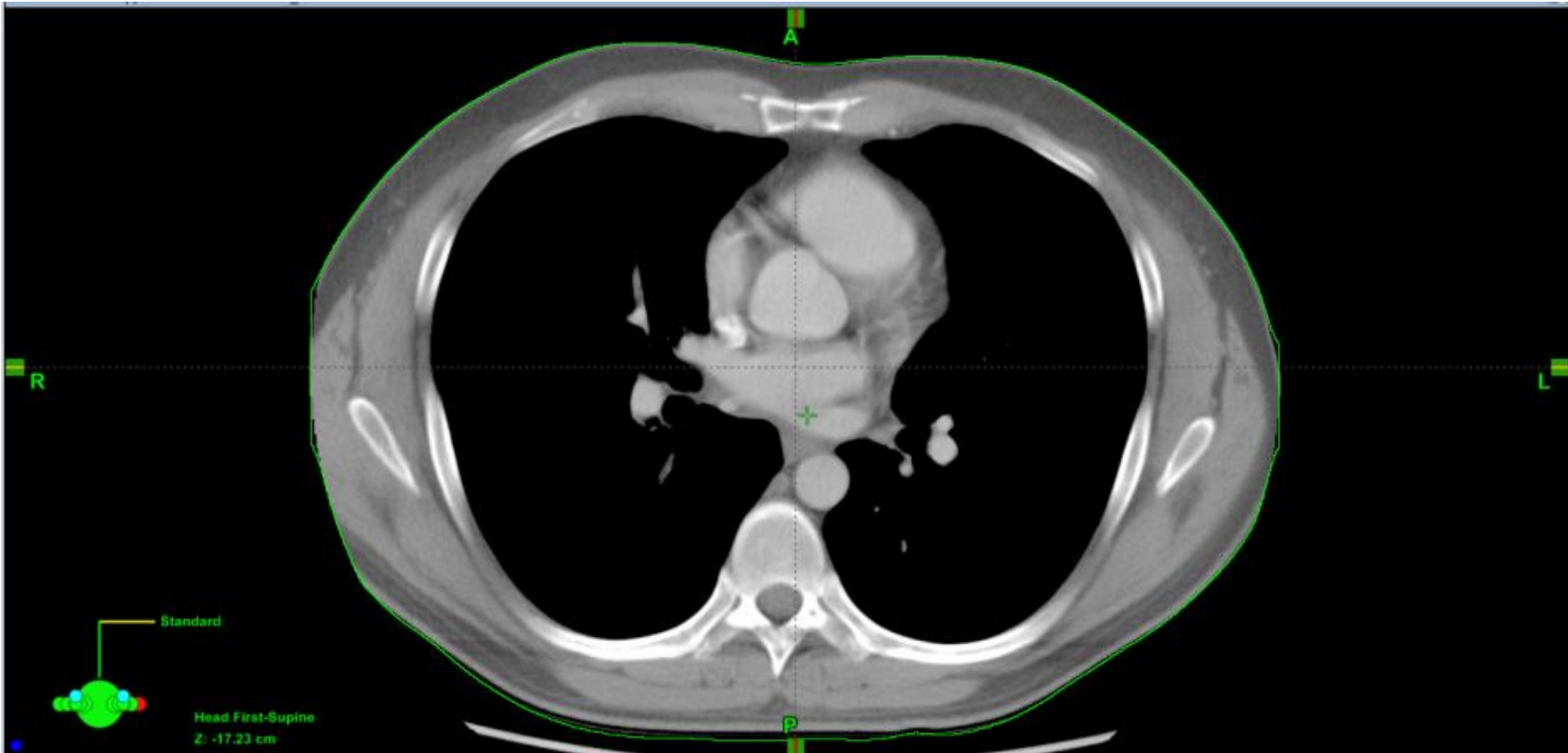
(a) Anterior external view showing surface features





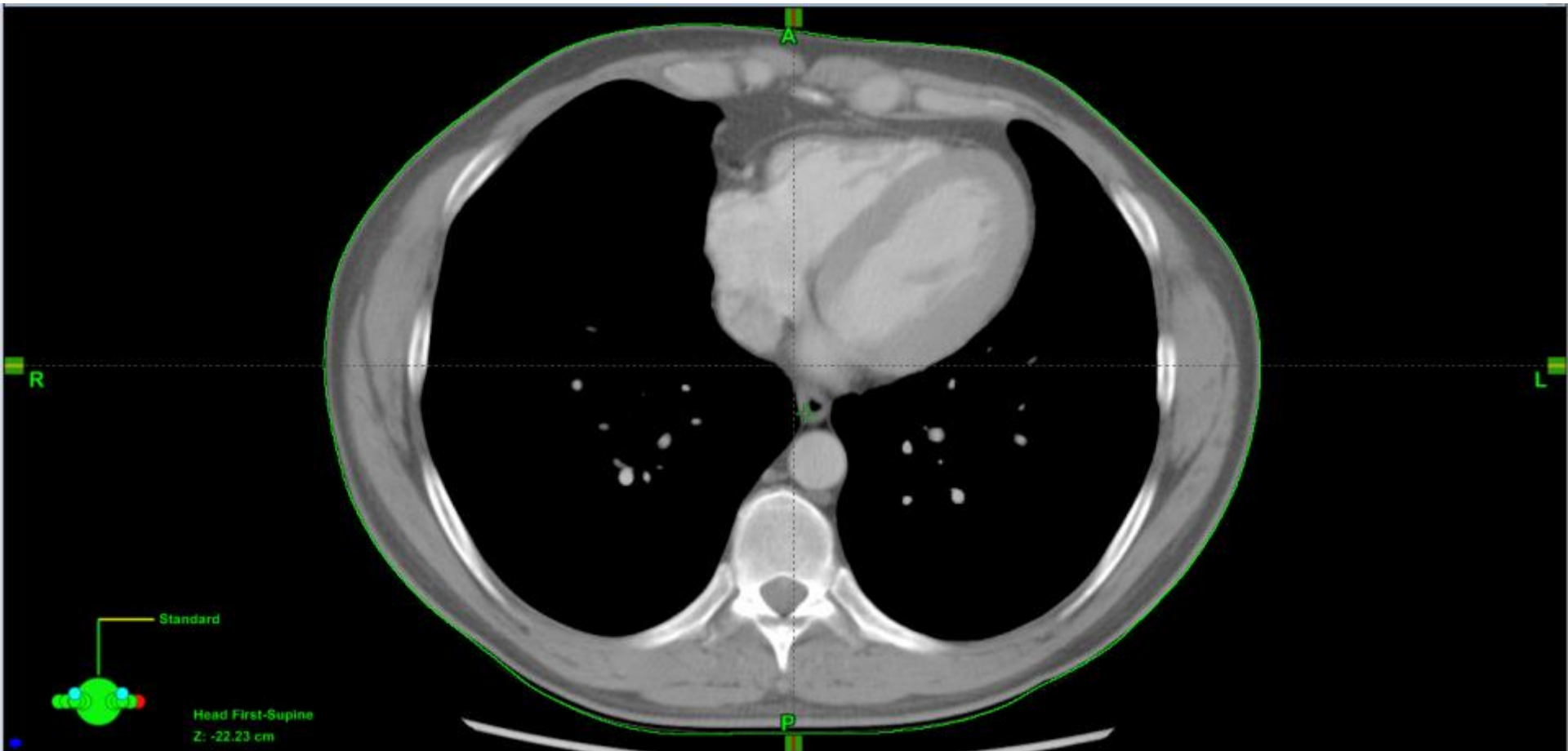


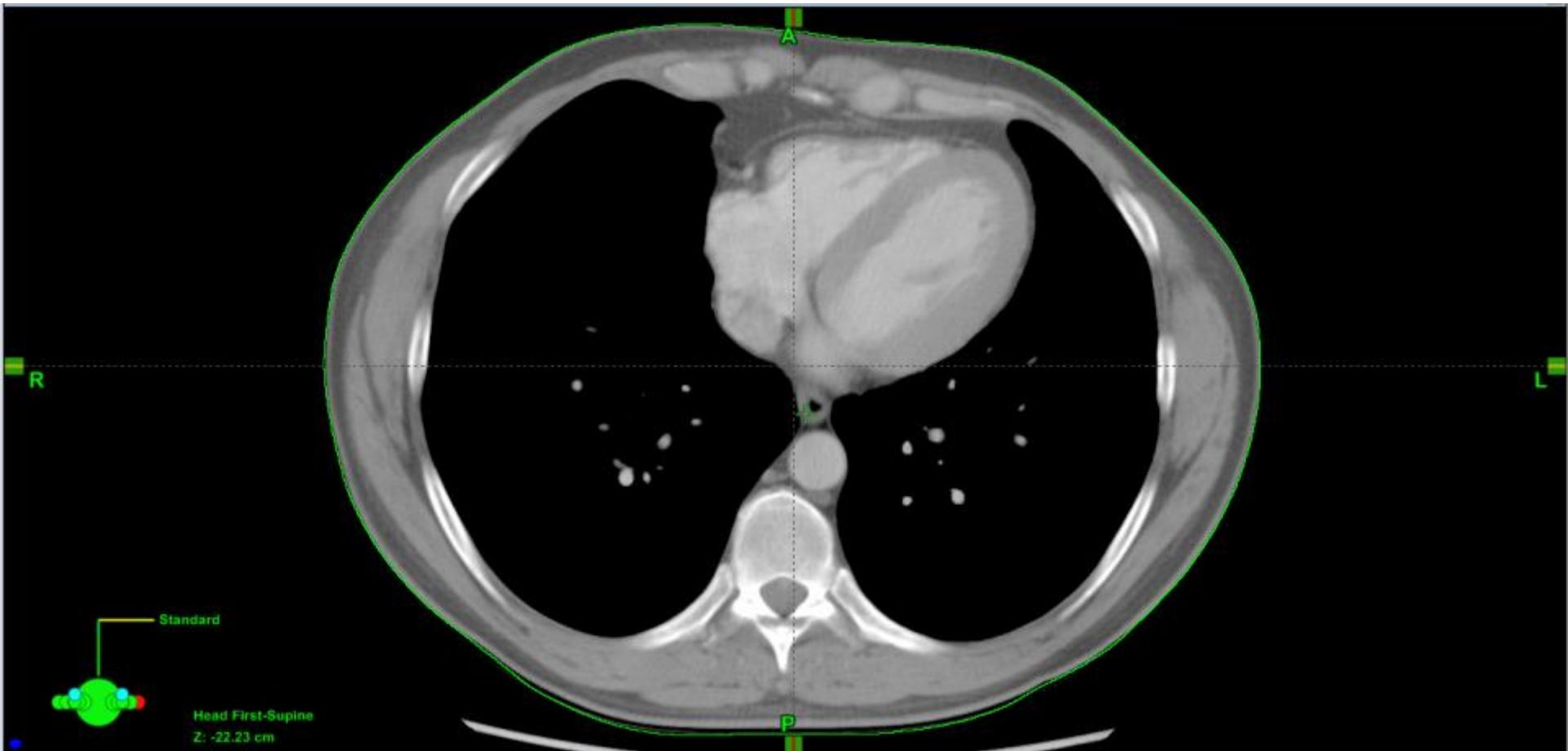
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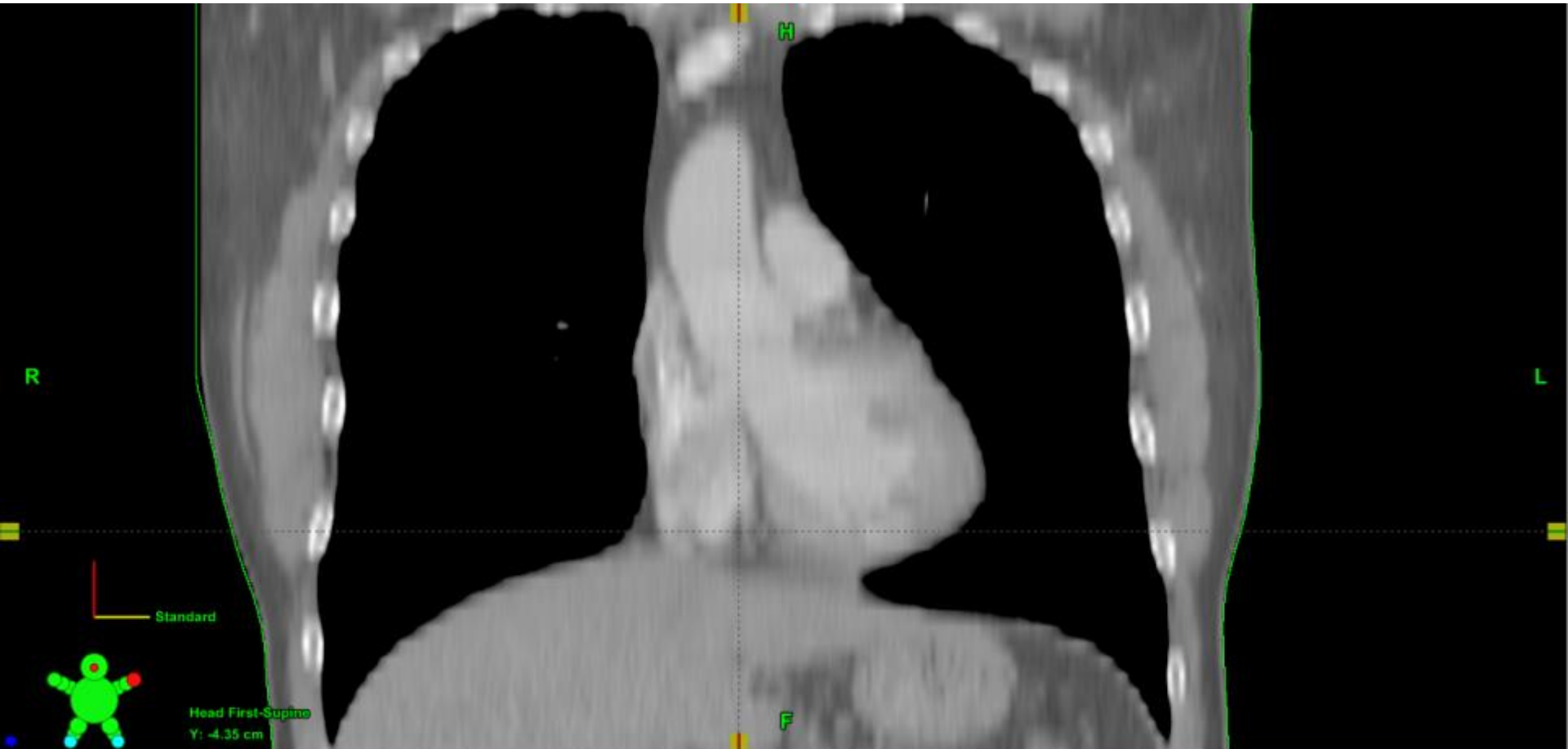




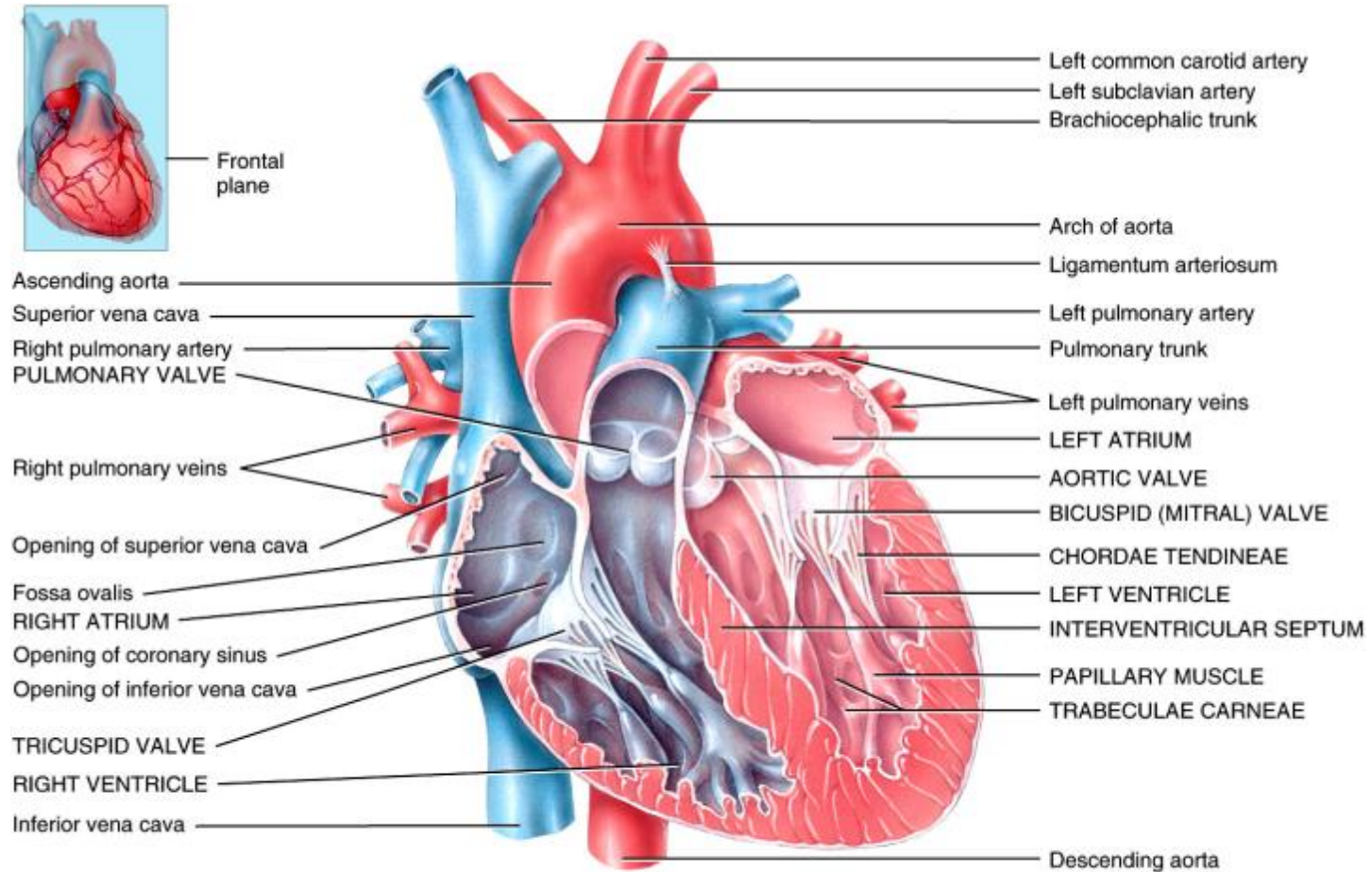








# Heart: Internal Anatomy



(a) Anterior view of frontal section showing internal anatomy

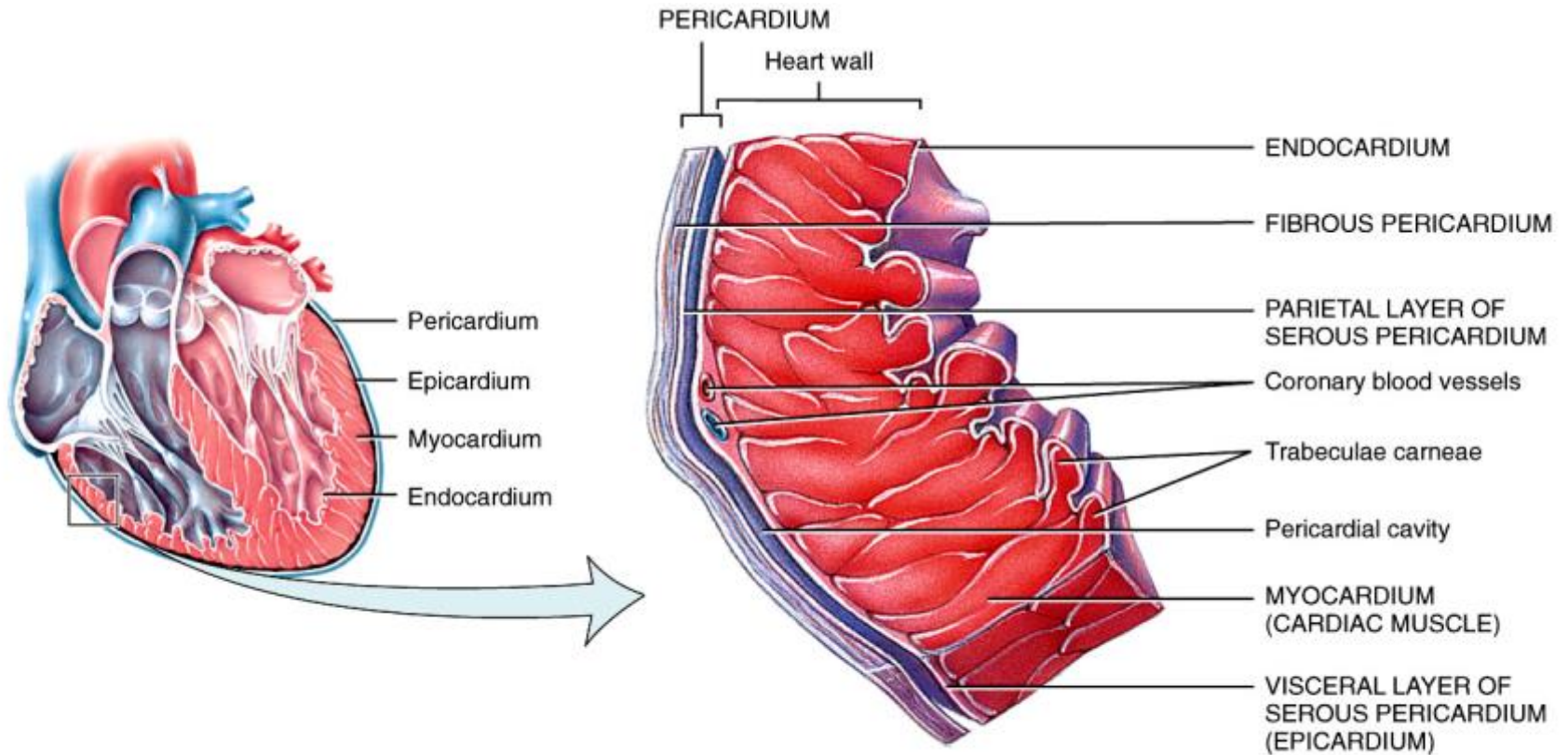
Figure 20.04a Tortora - PAP 12/e  
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# Layers of the Heart Wall

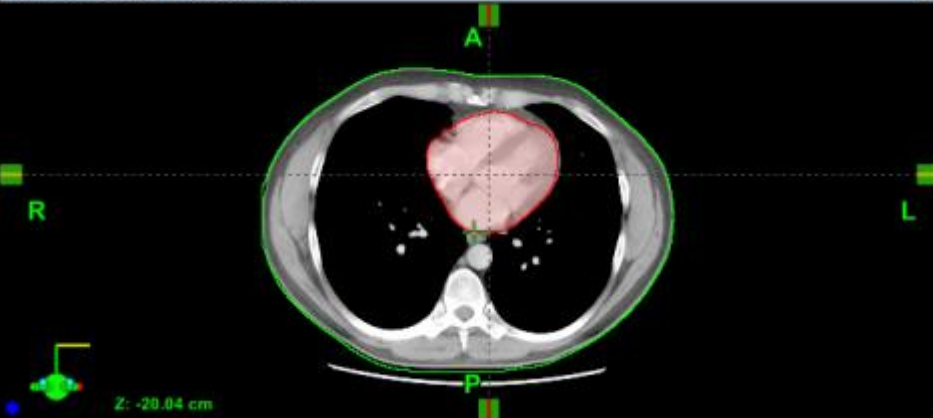
1. Epicardium (external layer)
  - Visceral layer of serous pericardium
  - Smooth, slippery texture to outermost surface
2. Myocardium
  - 95% of heart is cardiac muscle
3. Endocardium (inner layer)
  - Smooth lining for chambers of heart, valves and continuous with lining of large blood vessels

# Pericardium and Heart Wall



(a) Portion of pericardium and right ventricular heart wall showing the divisions of the pericardium and layers of the heart wall

Plan1 - Unapproved - Transversal - CT\_1



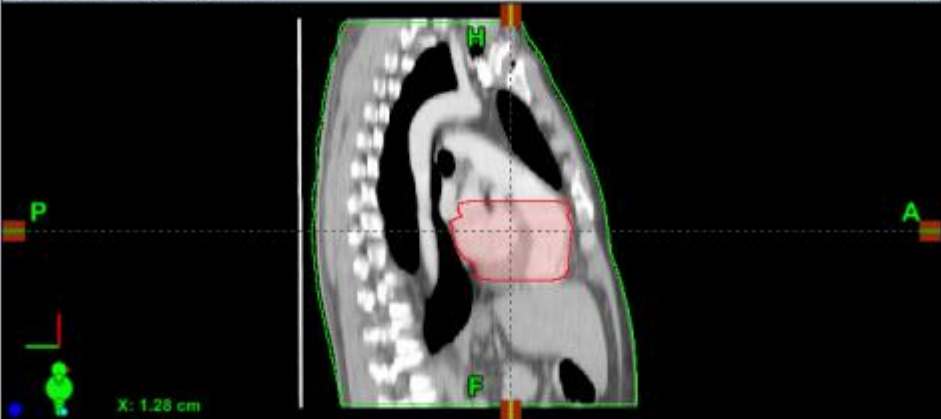
Plan1 - Unapproved - Model View - CT\_1



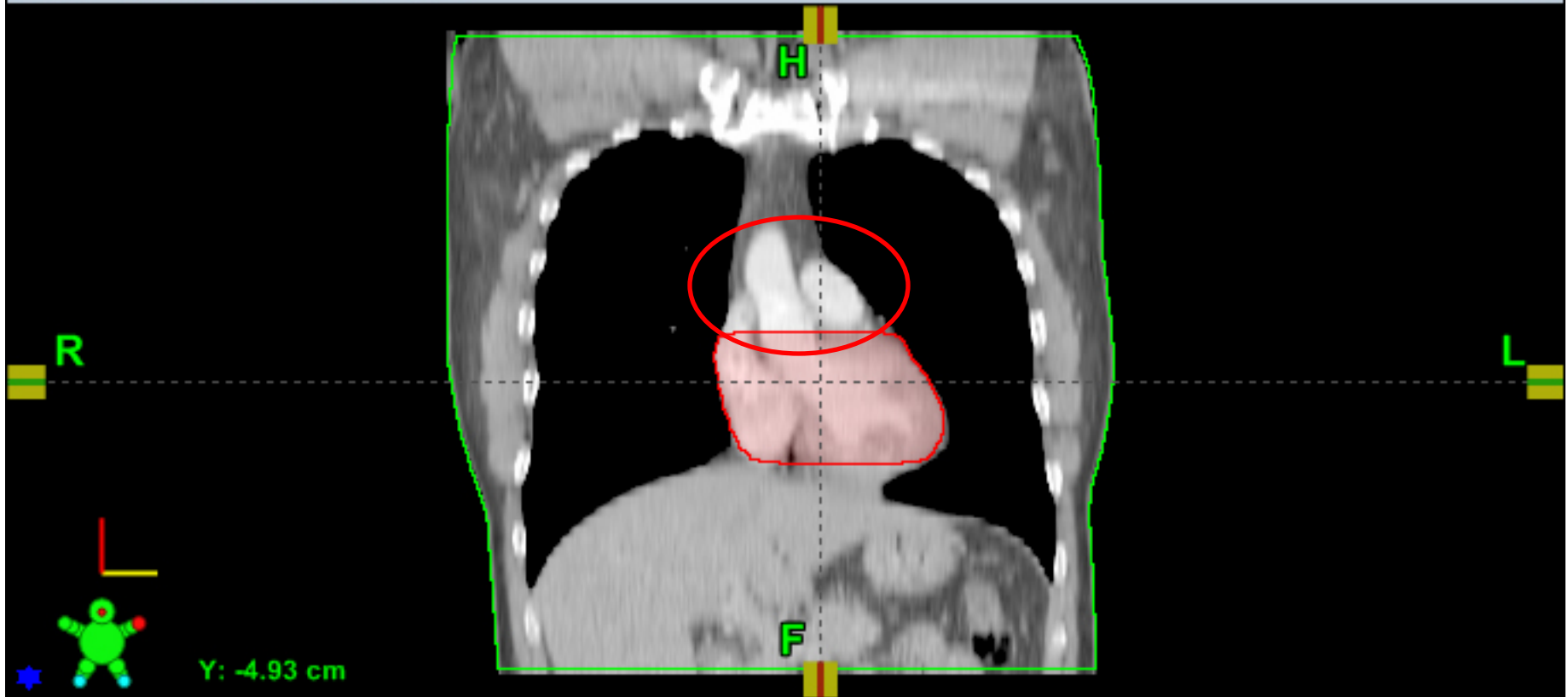
Plan1 - Unapproved - Frontal - CT\_1



Plan1 - Unapproved - Sagittal - CT\_1



Plan1 - Unapproved - Frontal - CT\_1



Thank you