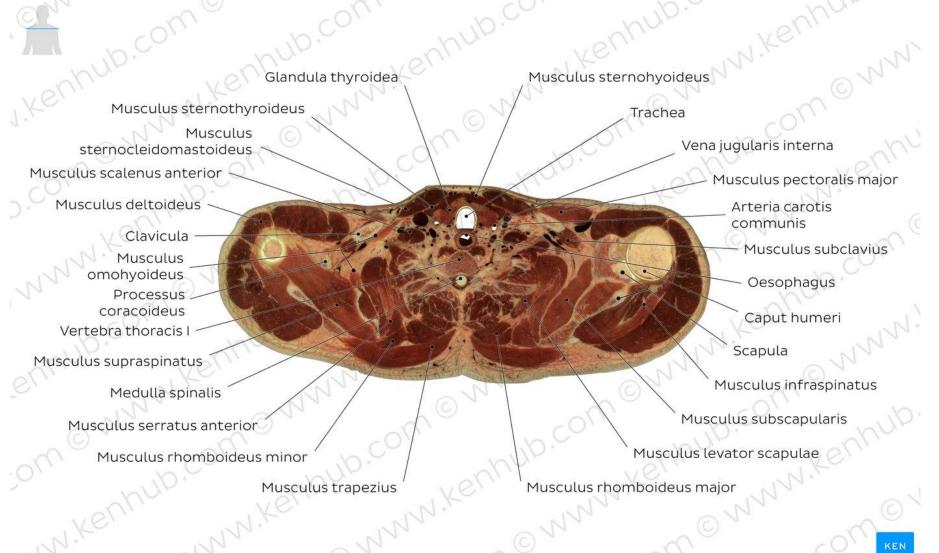
Cross sectiional Anatomy of the Thorax

Thoracic 1st level

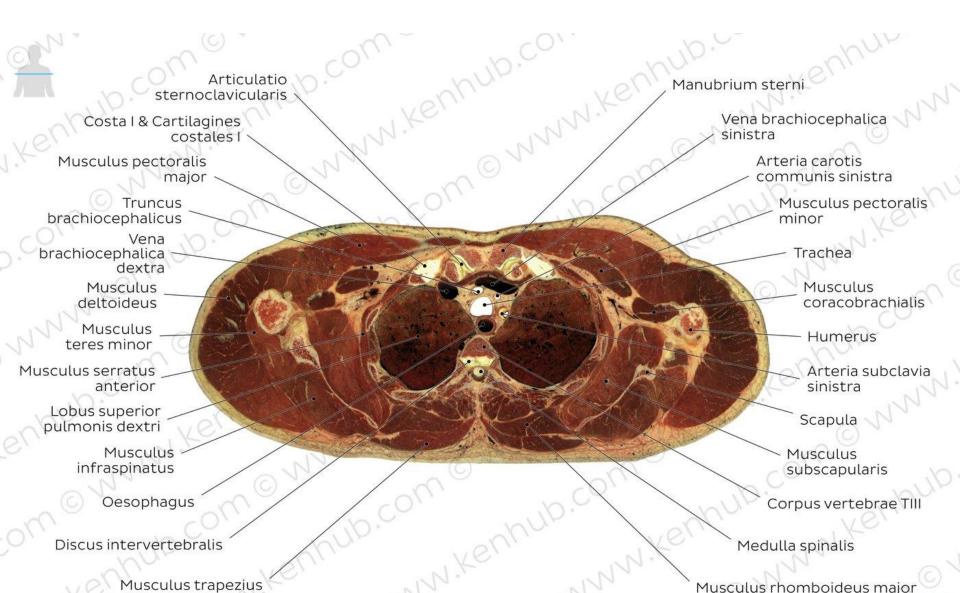


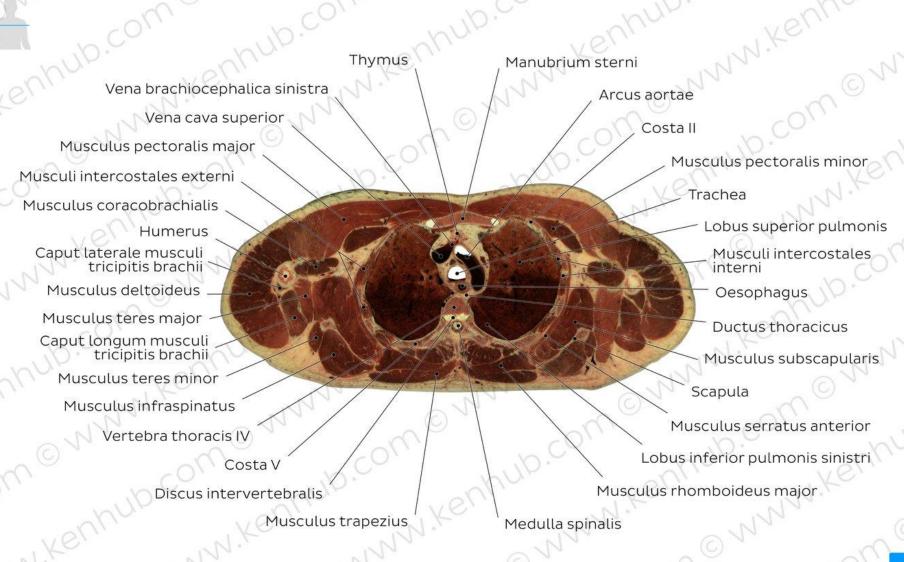
2nd Thoracic level

Musculus sternohvoideus Musculus sternocleidomastoideus Glandula thyroidea Musculus sternothyroideus Clavicula Vena jugularis interna Vena cephalica Musculus pectoralis major Musculus deltoideus Arteria carotis communis Trachea Musculus subclavius Caput humeri Musculus scalenus anterior Musculus scalenus medius Plexus brachialis Arteria subclavia Iusculus subscapularis Musculus serratus anterior Costa II Apex pulmonis Musculus rhomboideus minor Oesophagus Vertebra thoracis II Musculus rhomboideus major Medulla spinalis Musculus trapezius

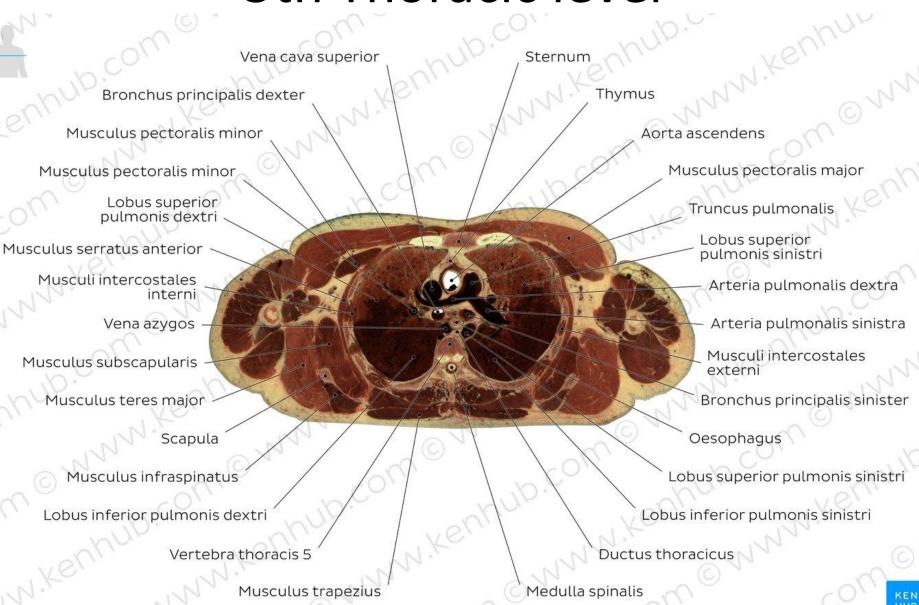
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3rd Thoracic level





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6th Thoracic level (pulmonary veins level)

Atrium dextrum

Musculus pectoralis major

Musculus pectoralis minor

Nervus phrenicus dexter

Lobus medius pulmonis dextri Venae pulmonales dextrae Musculi intercostales interni Arteria pulmonalis dextra Musculus serratus anterior

Vena azygos

Scapula

Musculi intercostales externi

Musculus trapezius

Corpus sterni

Ventriculus cordis dexter

Aorta ascendens

Lobus superior pulmonis

Vena cardiaca magna

Atrium sinistrum Venae pulmonales sinistrae Arteria pulmonalis sinistra

- Oesophagus

Ductus thoracicus

Aorta descendens

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 Lobus inferior pulmonis

Medulla spinalis

Musculus longissimus thoracis

Cartilagines costales III

Musculus pectoralis major

Atrium dextrum

Lobus medius pulmonis dextri

Musculus pectoralis minor

Musculi intercostales interni

Atrium sinistrum -

Venae pulmonales dextrae -

Musculus serratus anterior

Lobus inferior pulmonis dextri

Vena azygos

Vertebra thoracis VII

Musculus trapezius

Corpus sterni

Ventriculus cordis dexter

Aorta ascendens

Ventriculus cordis sinister Lobus superior pulmonis sinistri

Pars thoracica oesophagi

Fissura obliqua pulmonis

Venae pulmonales sinistrae

Musculi intercostales externi Bronchus lobaris inferior sinister

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Lobus inferior pulmonis sinistri

Aorta descendens

Ductus thoracicus

Musculus longissimus thoracis

Cartilagines costales IV

Musculus pectoralis major

Lobus medius pulmonis dextri

Atrium dextrum -

Fissura obliqua pulmonis —

Lobus inferior pulmonis dextri Musculi intercostales interni

Vena azygos

Musculus latissimus dorsi

Musculus serratus anterior

Vertebra thoracis VIII

Musculus trapezius

Corpus sterni

Ventriculus cordis dexter

Valva atrioventricularis dextra

Lobus superior pulmonis sinistri

Ventriculus cordis sinister

Sinus coronarius

Musculi intercostales externi

Oesophagus

Lobus inferior pulmonis sinistri

Aorta thoracica

Ductus thoracicus

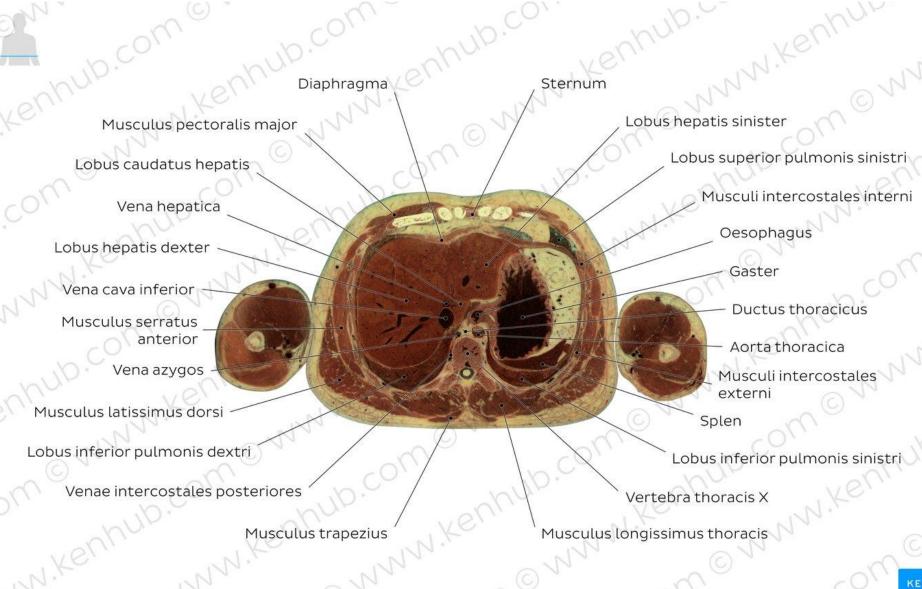
Musculus iliocostalis thoracis

Musculus longissimus thoracis

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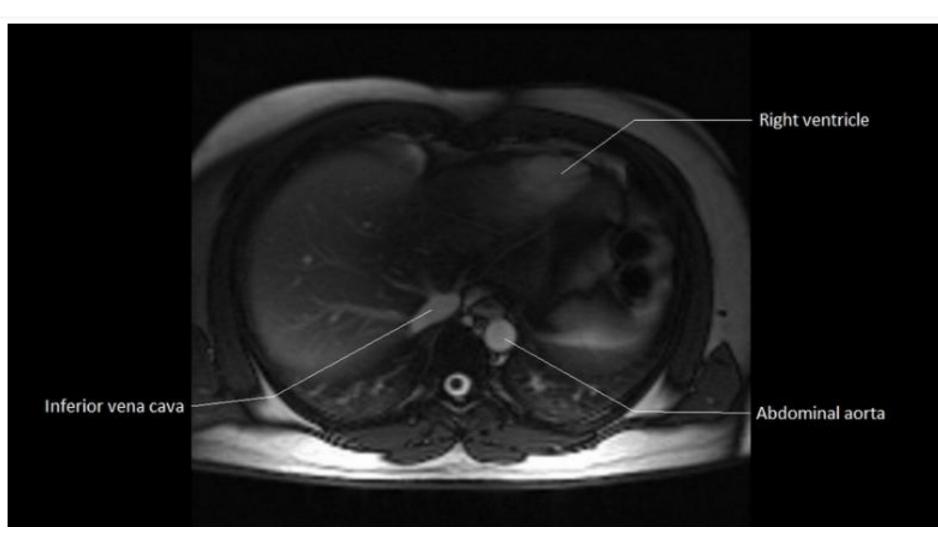
Musculus pectoralis major Sternur Lobus medius pulmonis dextri Ventriculus cordis dexter Diaphragma Ventriculus cordis sinister Lobus superior pulmonis Lobus hepatis dexter sinistri Vena thoracoepigastrica Vena cardiaca media Musculi intercostales Lobus hepatis sinister interni Vena cava inferior -Oesophagus Musculus serratus Fundus gastricus anterior Aorta thoracica 'ena azygos obus inferior pulmonis Vena hemiazygos dextri Musculus latissimus dorsi Musculi intercostales extern Musculus iliocostalis thoracis Lobus inferior pulmonis sinistri Musculus longissimus thoracis Vertebra thoracis IX Musculus trapezius Medulla spinalis

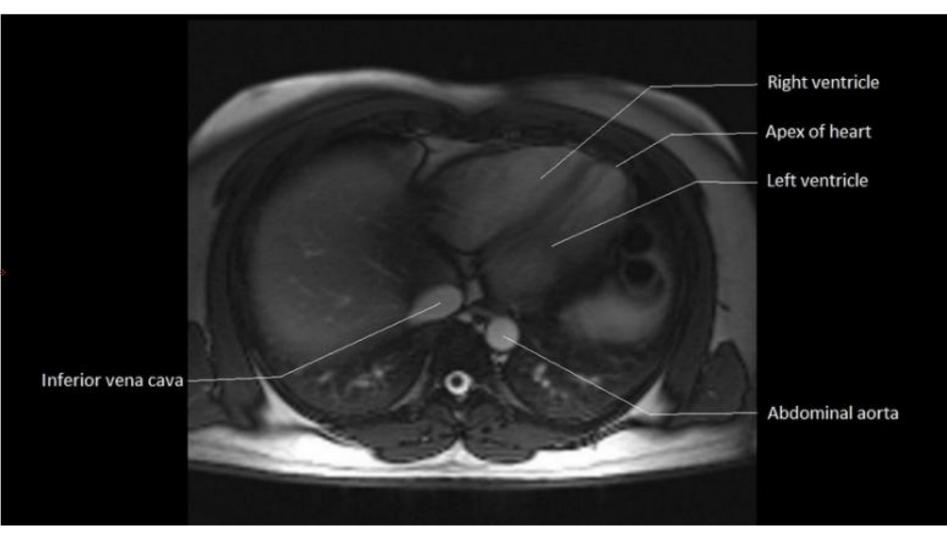
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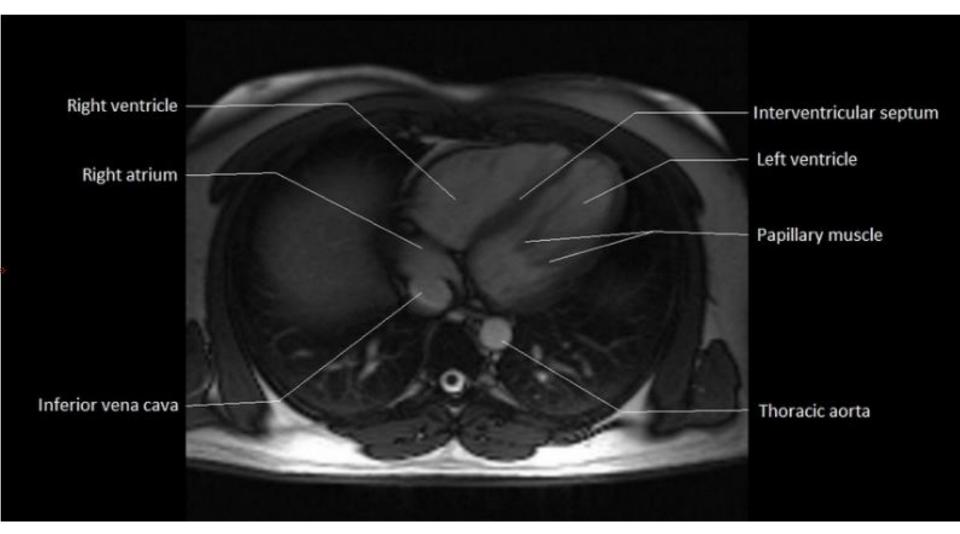


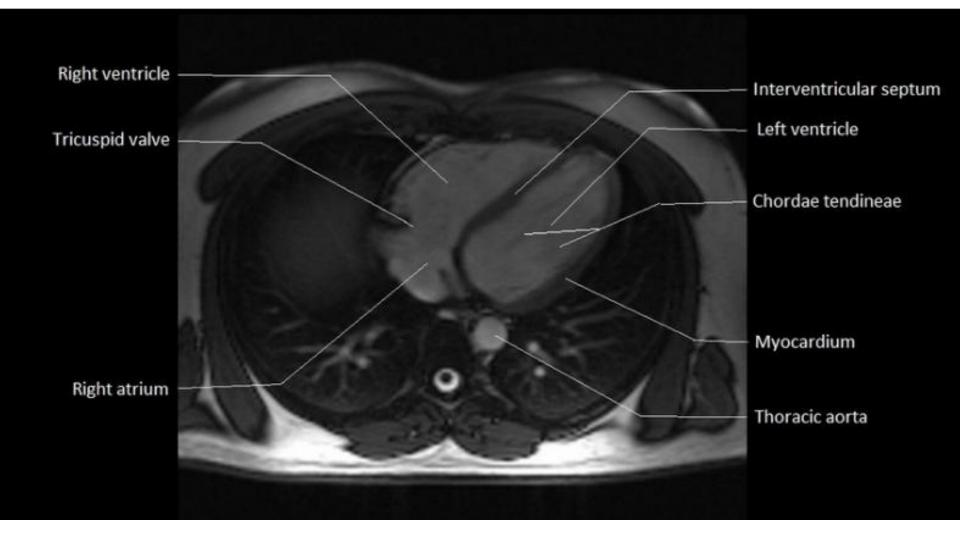
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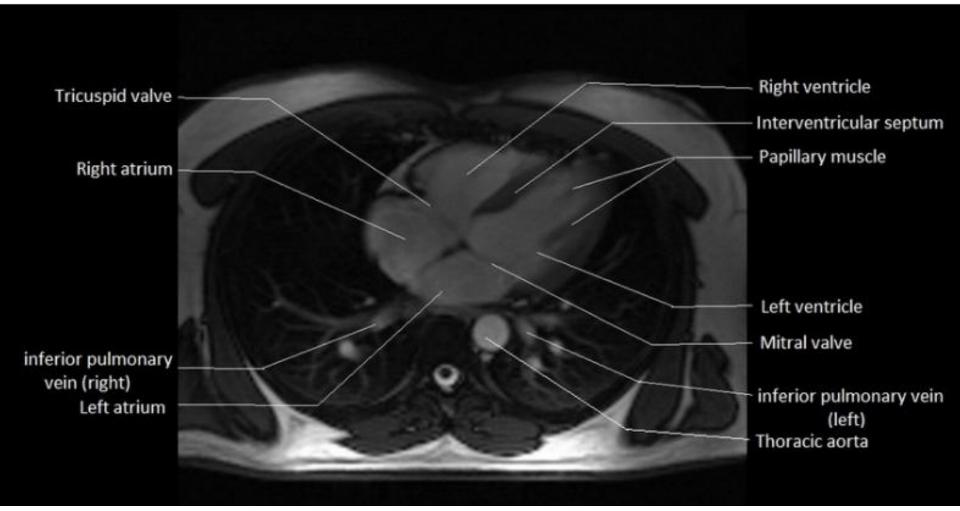
MRI crossection of the heart from down to up

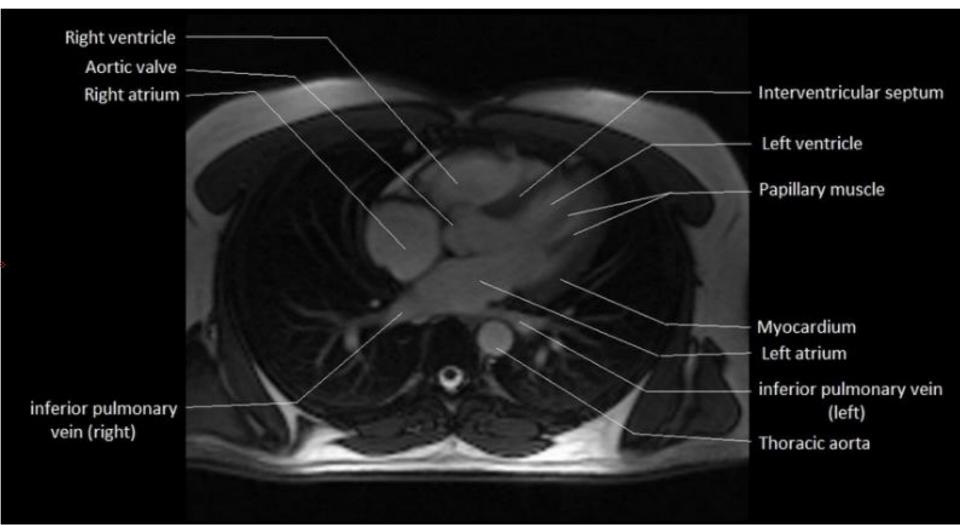


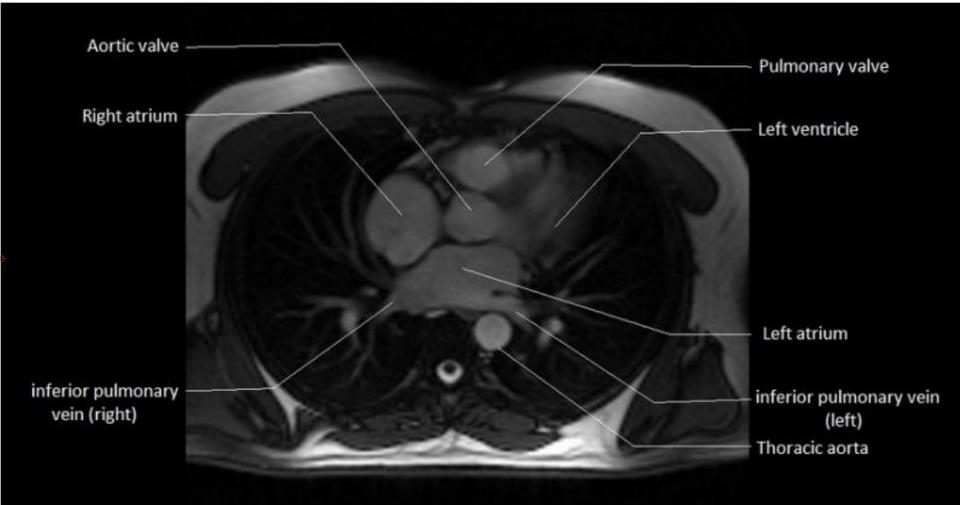




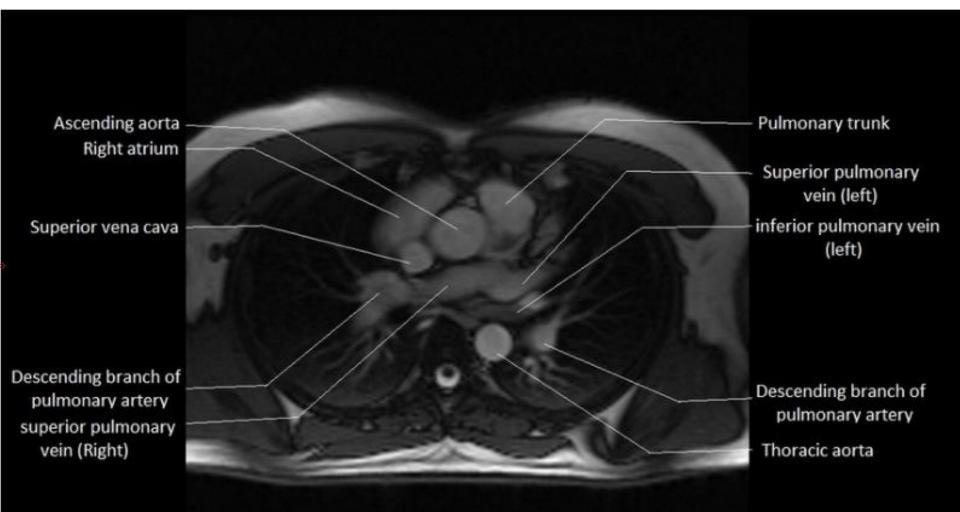


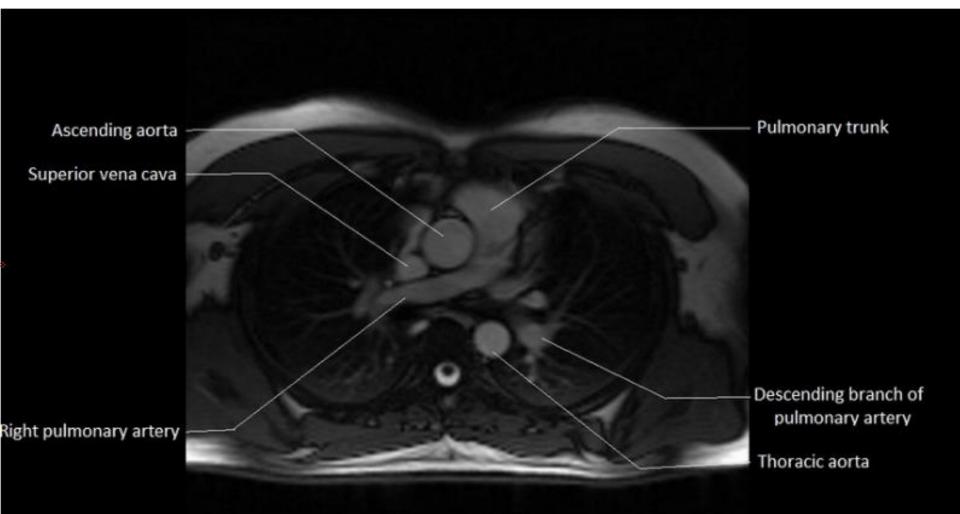


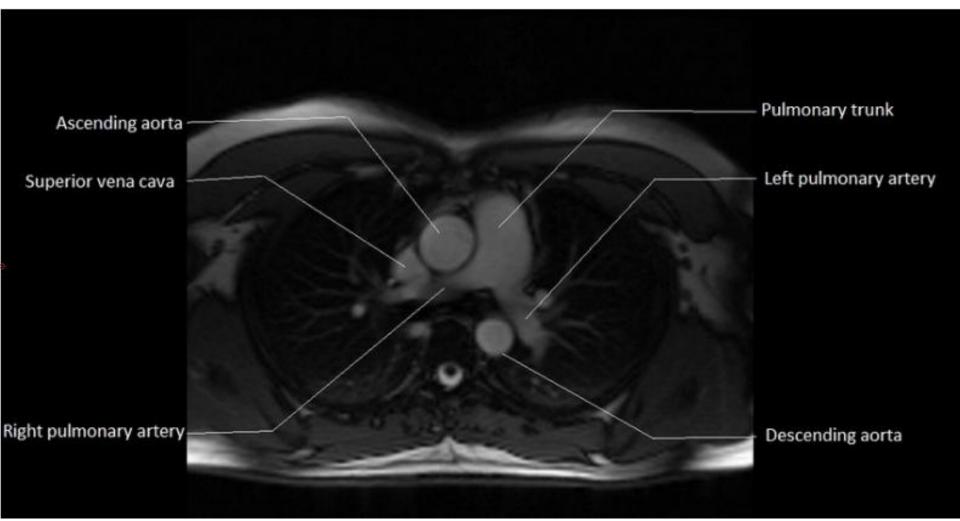


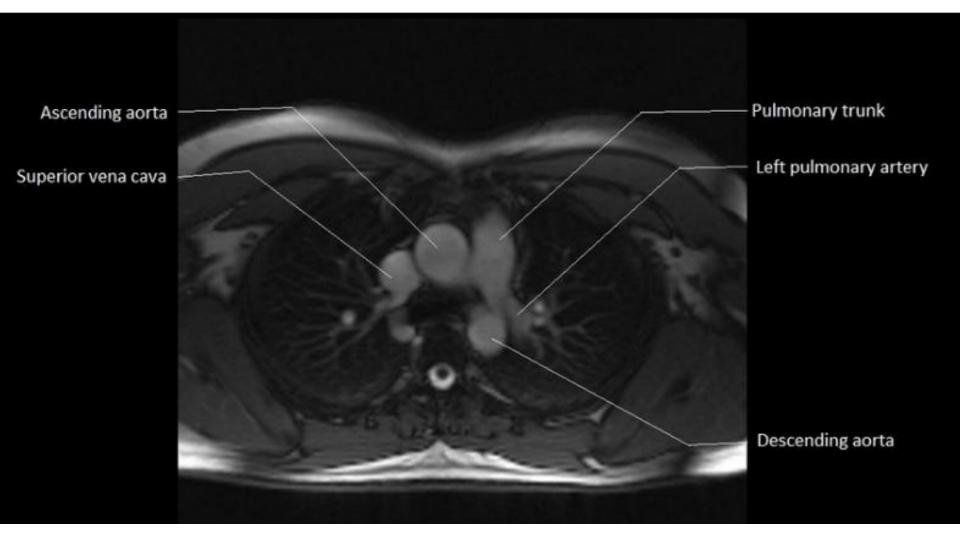














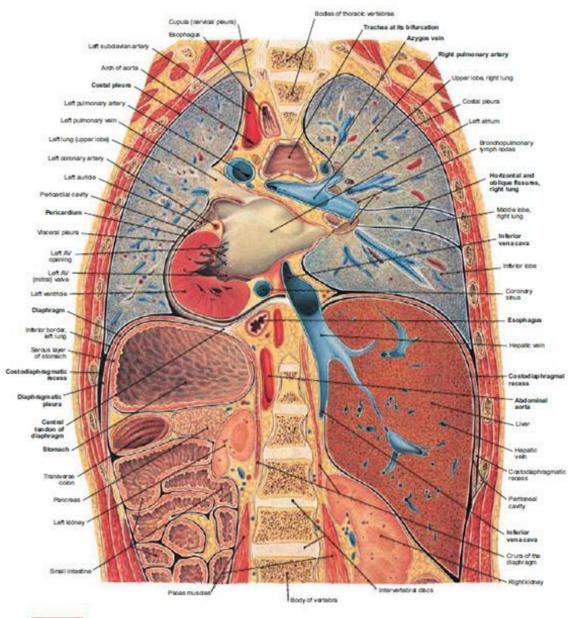


FIGURE 196 Frontal Section of the Thorax and Abdomen from Behind (Dorsal View)

NOTE: (1) From this dorsal view, the right side of the specimen is on the reader's right. The pulmonary arteries and their branches are shown in blue, as are veins (such as the hepatic veins) that also carry blood with low levels of oxygen saturation.

(2) The anteroposterior plane of this frontal section in the thorax lies through the inferior vena cava and in front of the descending aorta. The esophagus is seen only in the superior mediastinum and at its entrance into the abdomen just below the diaphragm, while the trachea has been cut at its point of bifurcation.

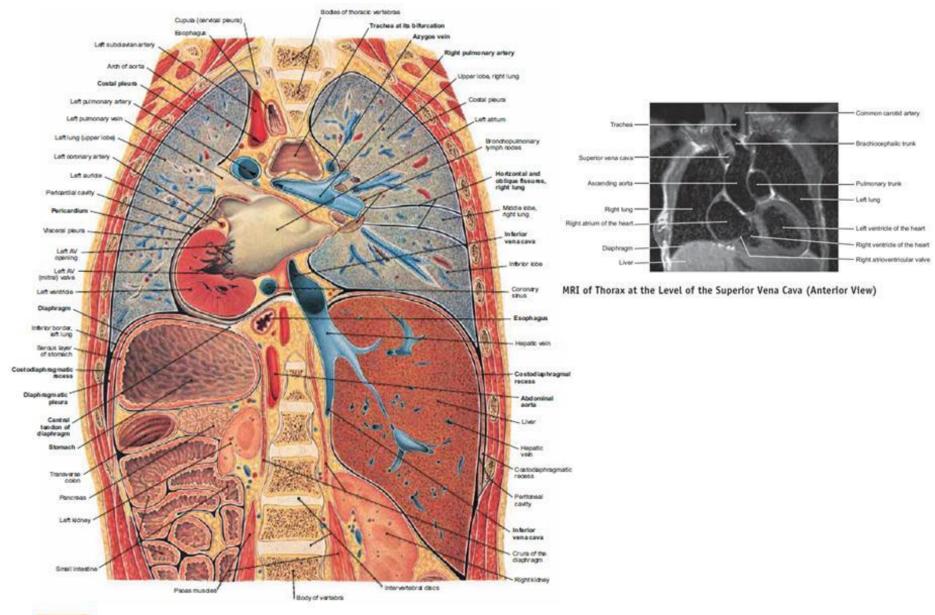
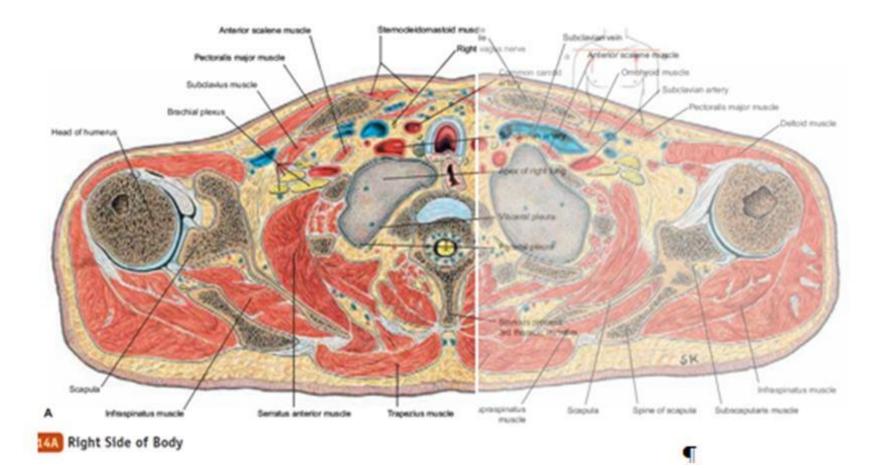


FIGURE 196 Frontal Section of the Thorax and Abdomen from Behind (Dorsal View)

NOTE: (1) From this dorsal view, the right side of the specimen is on the reader's right. The pulmonary arteries and their branches are shown in blue, as are veins (such as the hepatic veins) that also carry blood with low levels of oxygen saturation.

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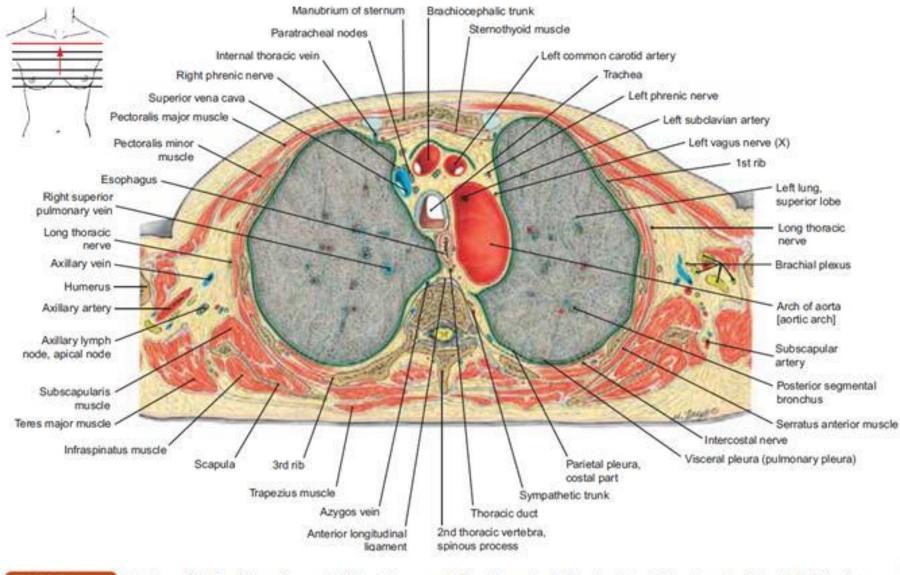


FIGURE 215.1 Horizontal Section through the Thorax at the Level of the Arch of the Aorta (Caudal View)

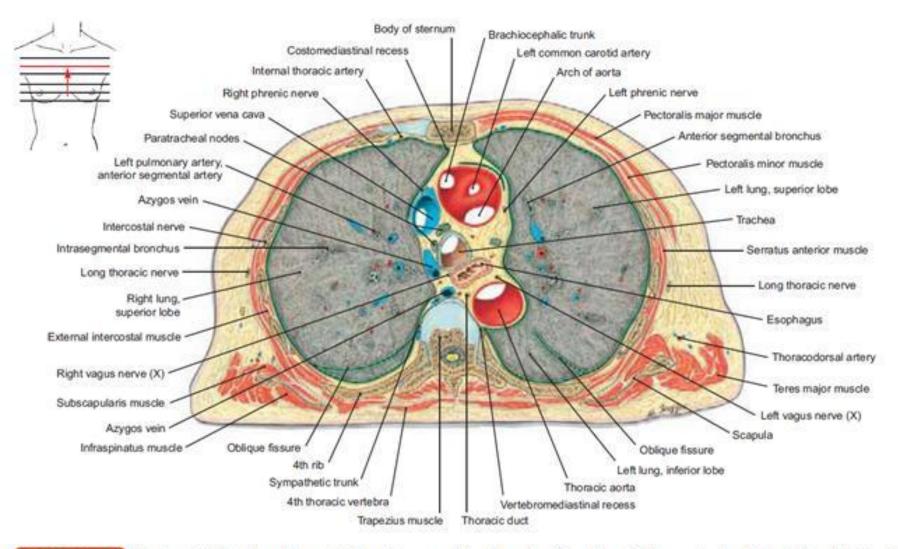


FIGURE 215.2 Horizontal Section through the Thorax at the Level of the Fourth Thoracic Vertebra (Caudal View)

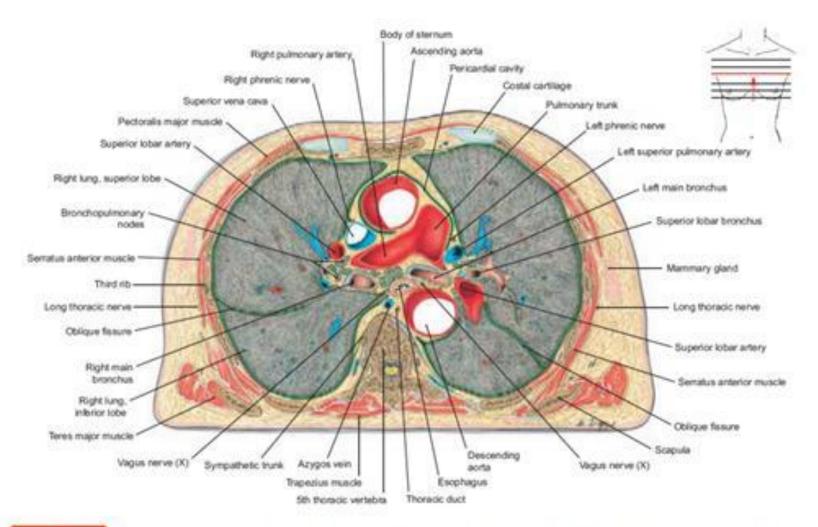


FIGURE 216.1 Horizontal Section through the Thorax at the Bifurcation of the Pulmonary Trunk (Caudal View)

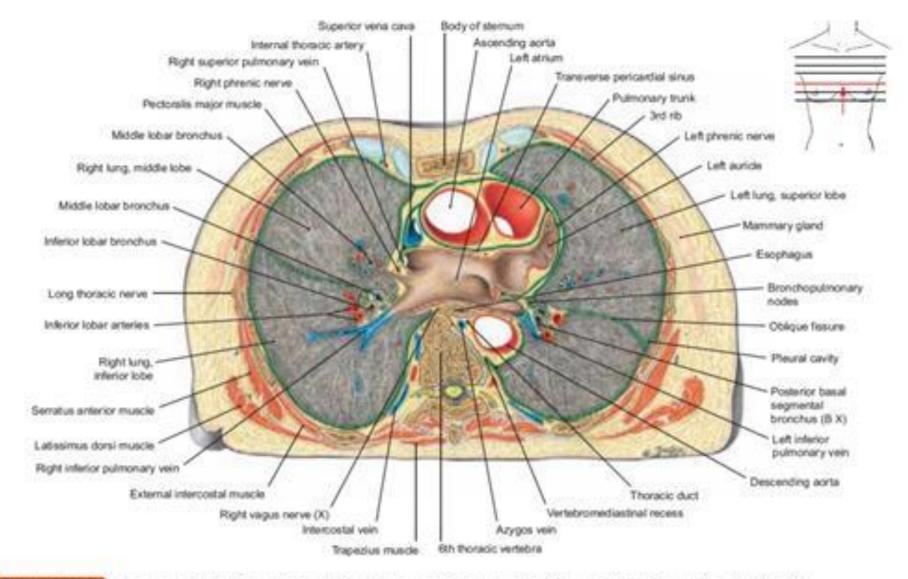


FIGURE 216.2 Horizontal Section through the Thorax at the Level of the Left Atrium (Caudal View)

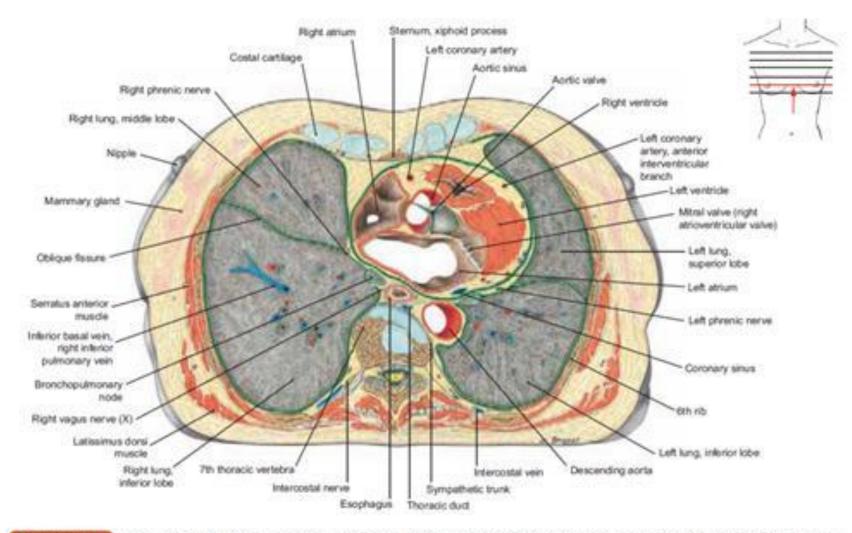
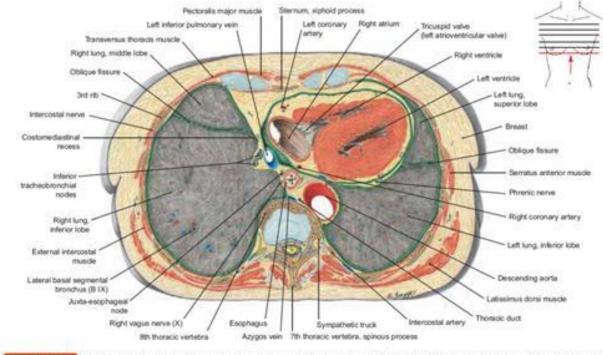
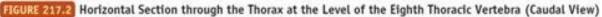
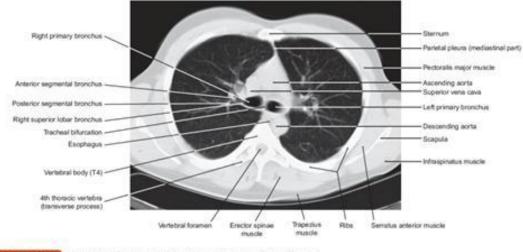


FIGURE 217.1 Horizontal Section through the Thorax at the Level of the Seventh Thoracic Vertebra (Caudal View)









NOTE that this CT is just inferior to the bifurcation of the trachea.

