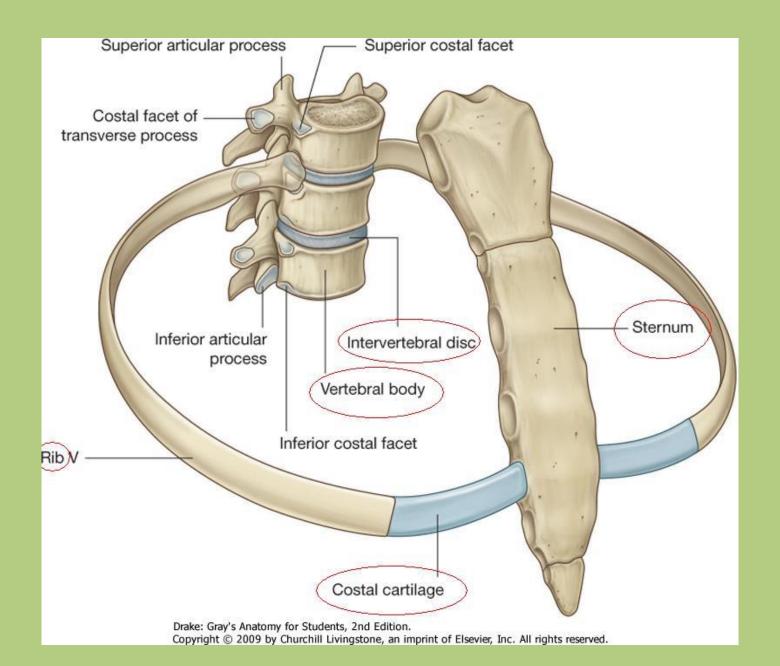
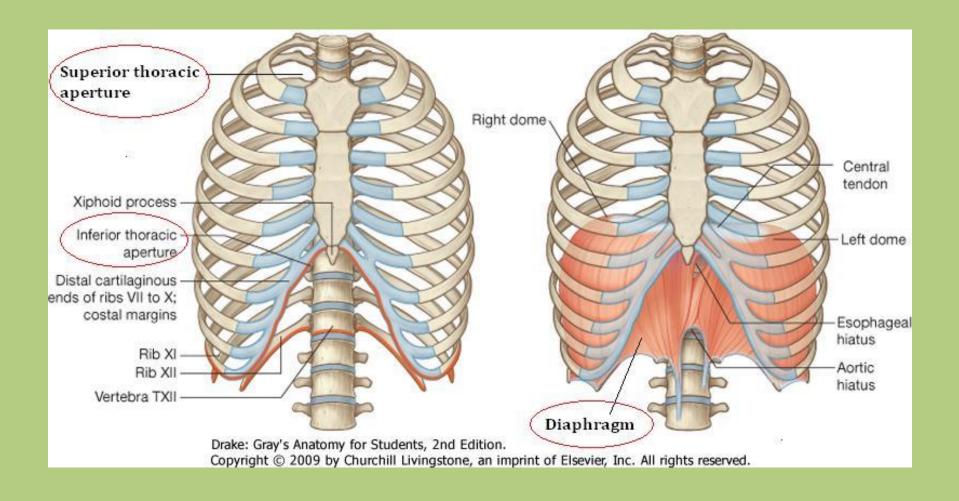


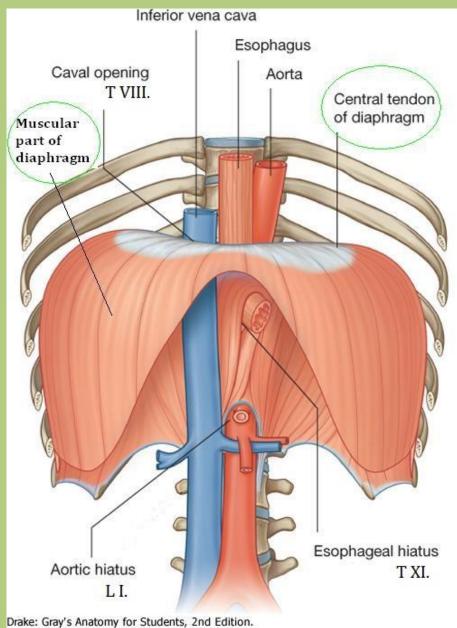
Chest cavity - bony structures



Chest cavity - bony structures

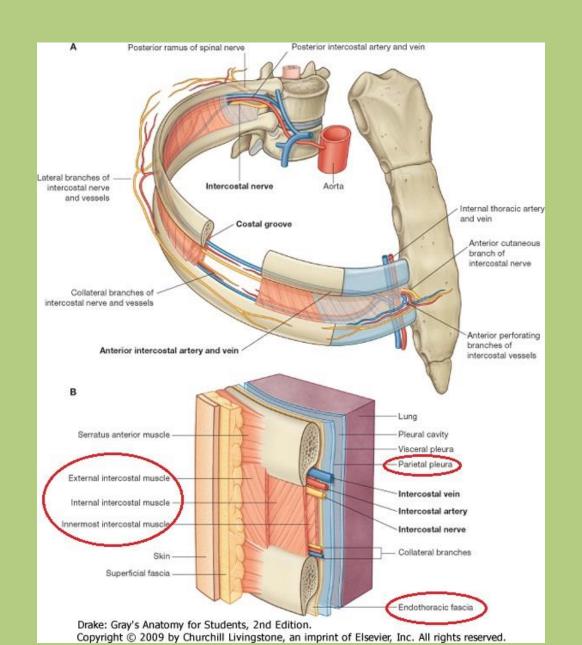


Diaphragm

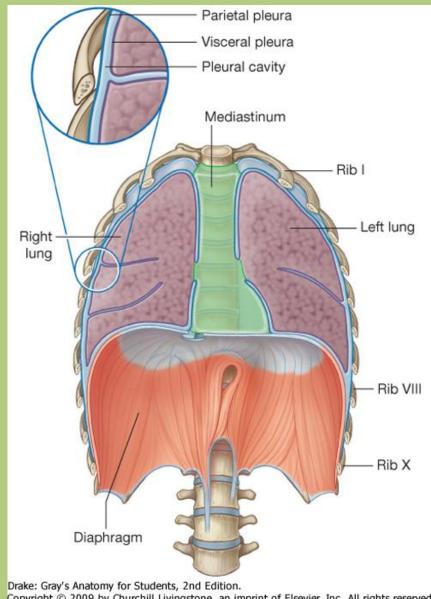


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Thoracic wall – soft structures



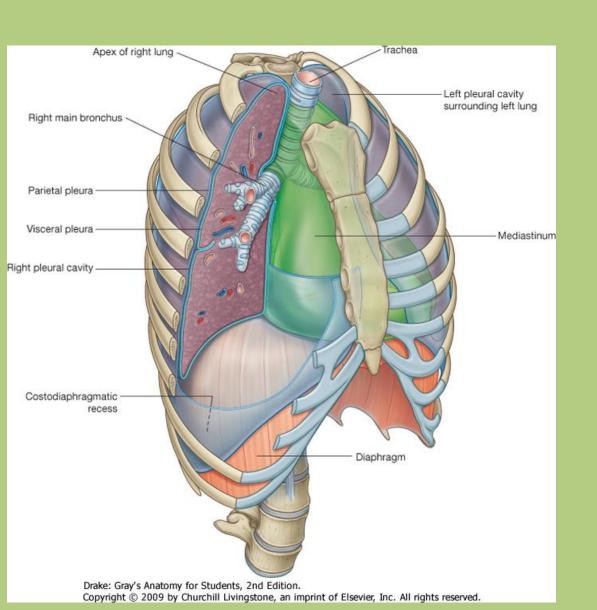
Mediastinum



Space between two mediastinal pleura.

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Mediastinum - boundaries



Anterior: sternum, costal cartilages

Posterior: vertebral column

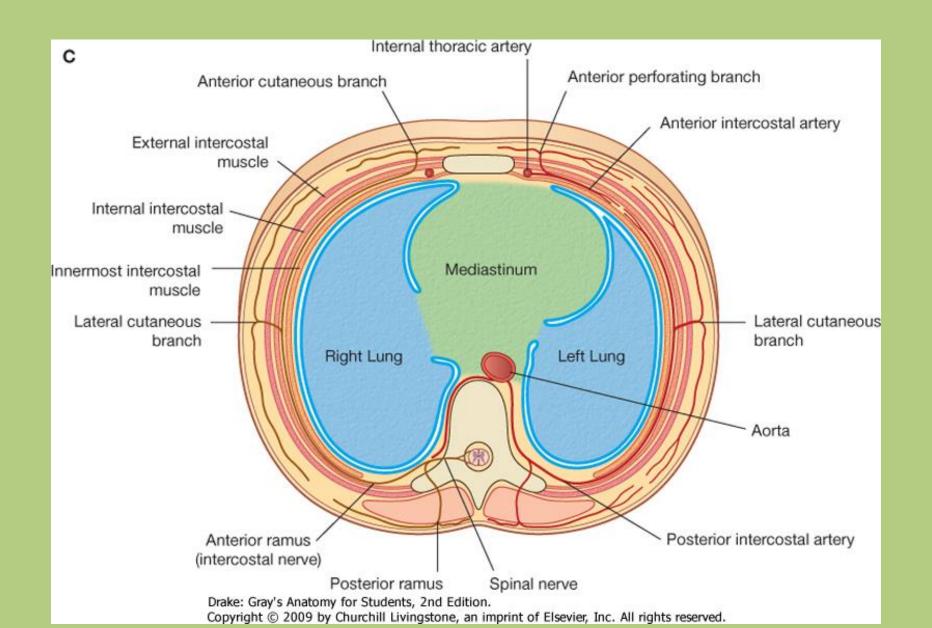
Superior: manubrium of sternum,

I. rib, T I. vertebra

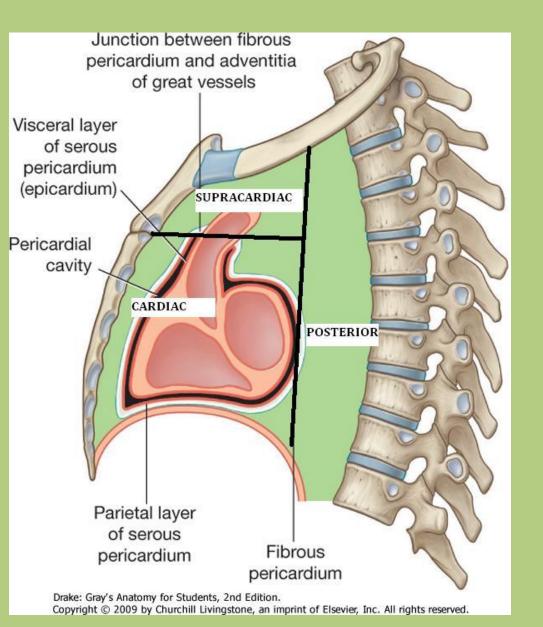
Inferior: diaphragm

<u>Lateral:</u> mediastinal pleural

Mediastinum - boundaries



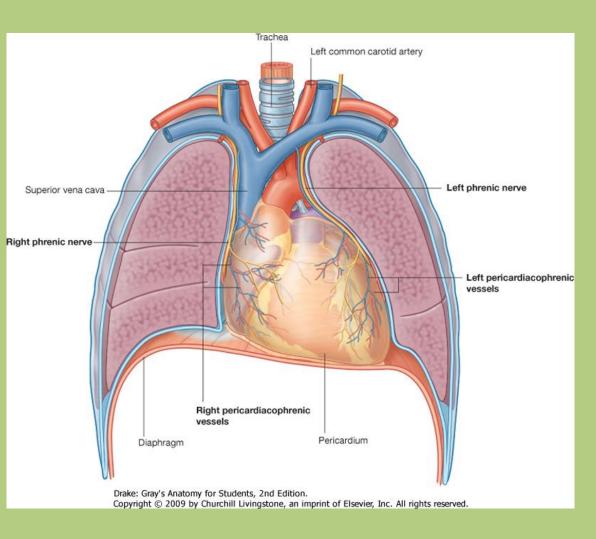
Mediastinum - divisions



- Anterior mediastinum
 - cardiac
 - supracardiac

Posterior mediastinum

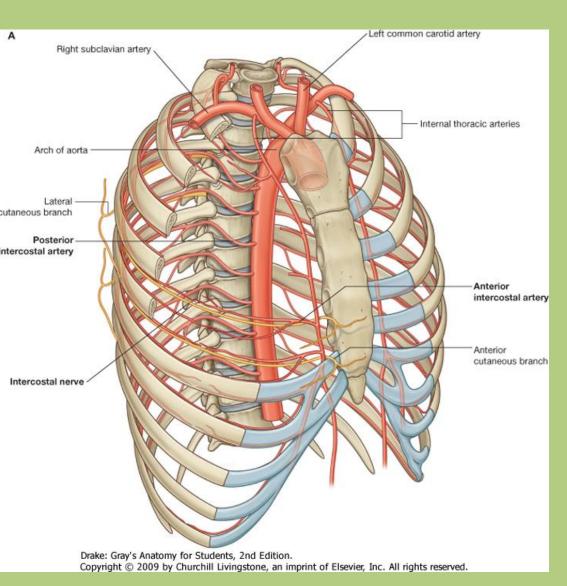
Cardiac mediastinum



Pericardium and its content.

- 1. Fibrous pericardium
- Serous pericardium (parietal and visceral laminae)
- 3. Phrenic nerves
- 4. Ascending aorta
- 5. Pulmonary trunk
- 6. Superior vena cava

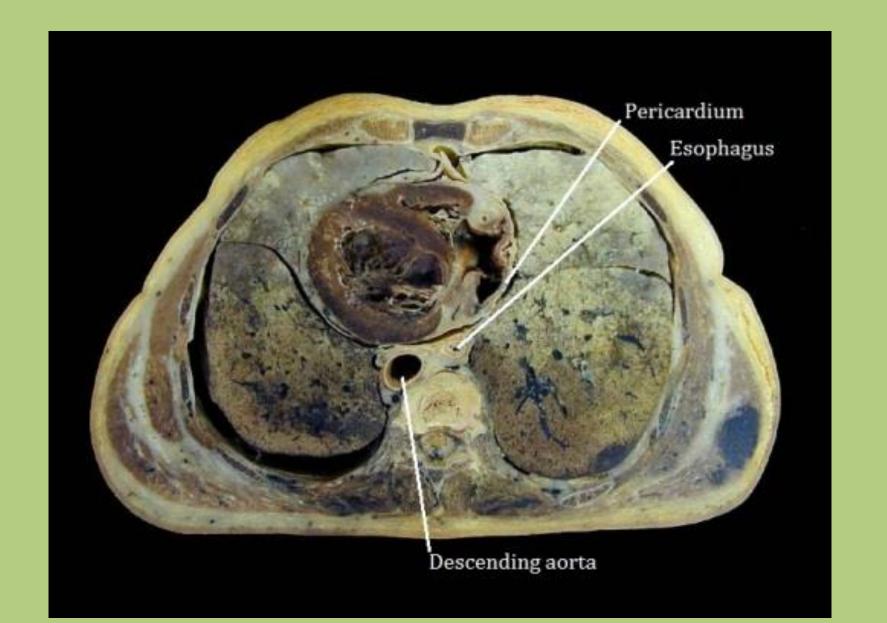
Cardiac mediastinum

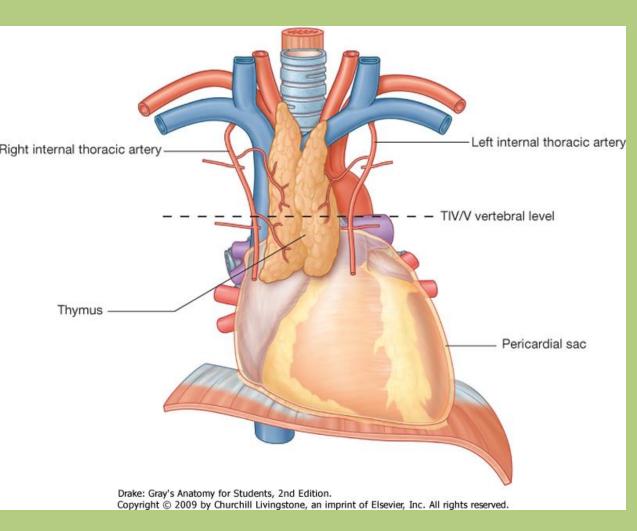


7. Pericardiacophrenic vessels



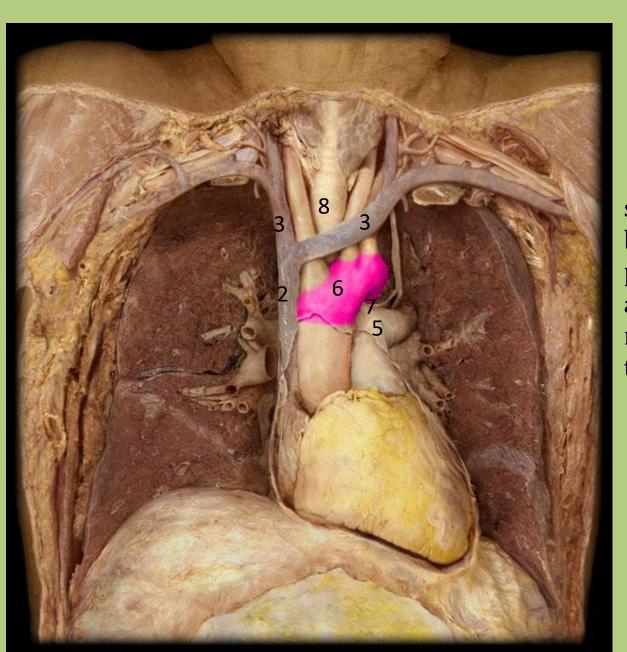
Cardiac mediastinum



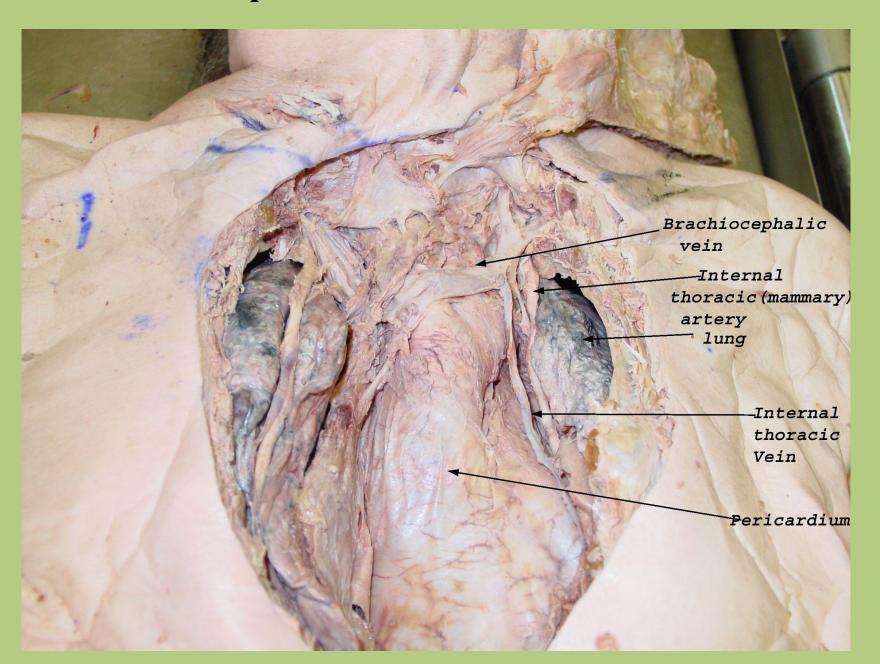


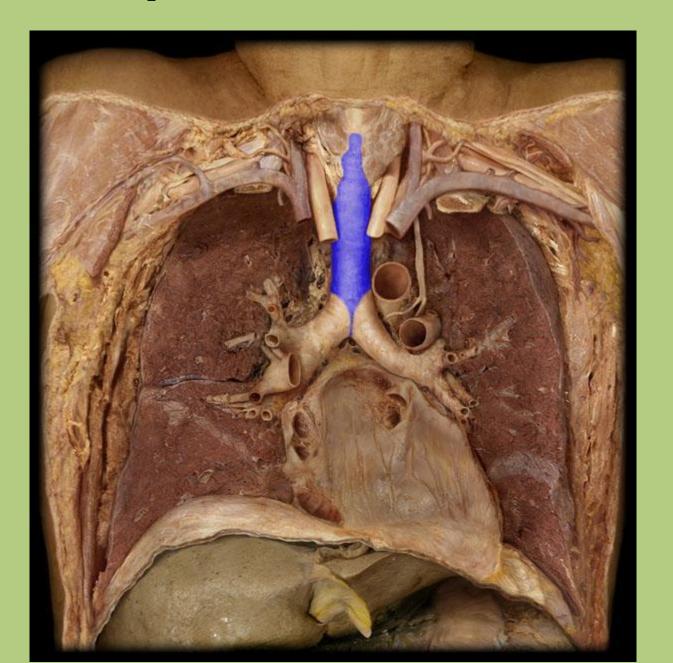
Layers:

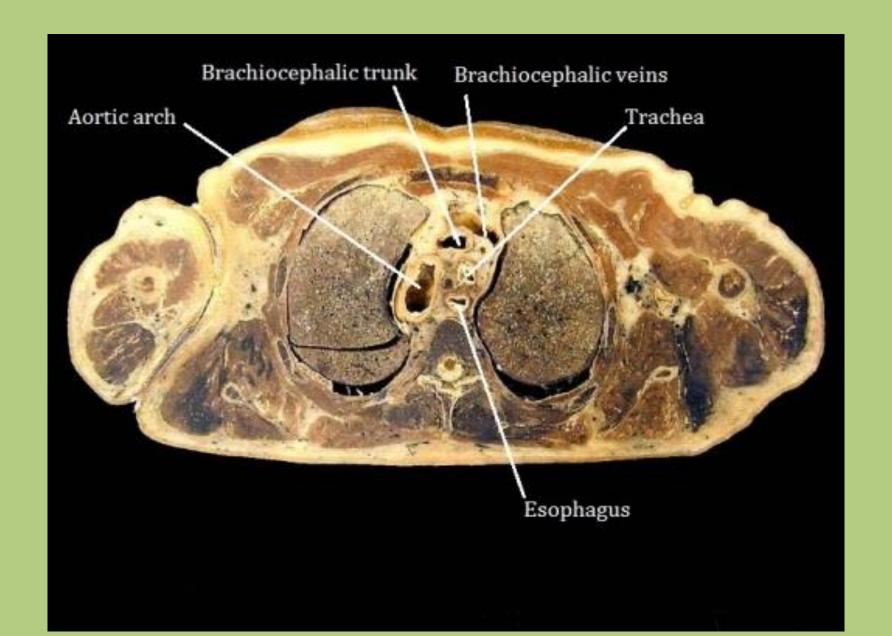
Thymus Veins: Superior vena cava, Brachiocephalic veins, Azygos vein Aortic arch and its branches Recurrent laryngeal nerves (thoracic branch of the vagus nerve) and phrenic nerves, <u>Pericardiacophernic</u> vessels Pulmonary trunk and its branches, pulmonary veins Trachea and main bronchi

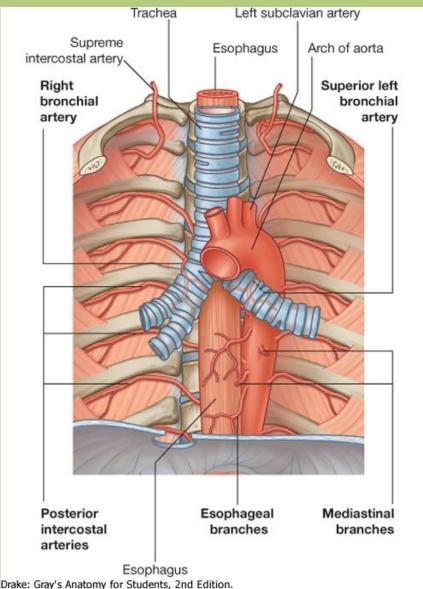


superior vena cava - 2 brachiocephalic veins - 3 pulmonary trunk - 5 aortic arch - 6 recurrent laryngeal nerve - 7 trachea - 8





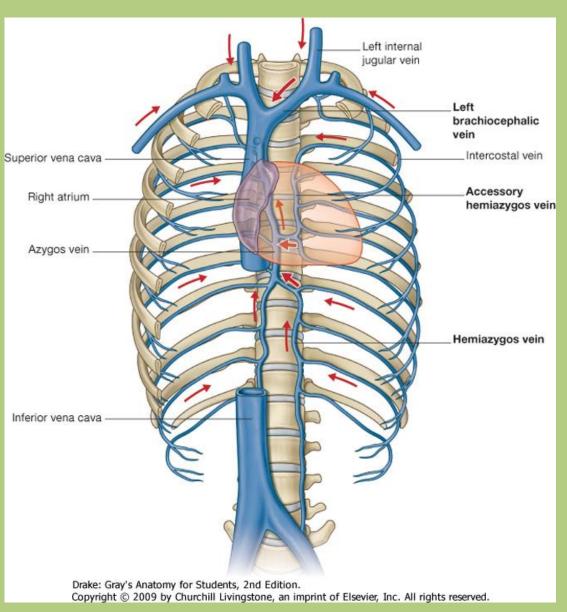




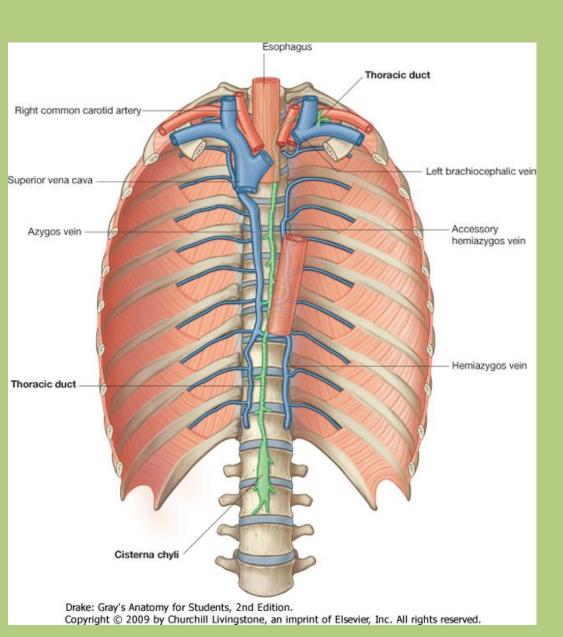
Behind the esophagus. No layers.

- 1. Esophagus
- 2. Vagi nerves
- 3. Thoracic aorta and its branches:
 - esophageal branches
 - tracheal branch
 - bronchial branches
 - pericardial branches
 - superior phrenic arteries
 - posterior intercostal arteries

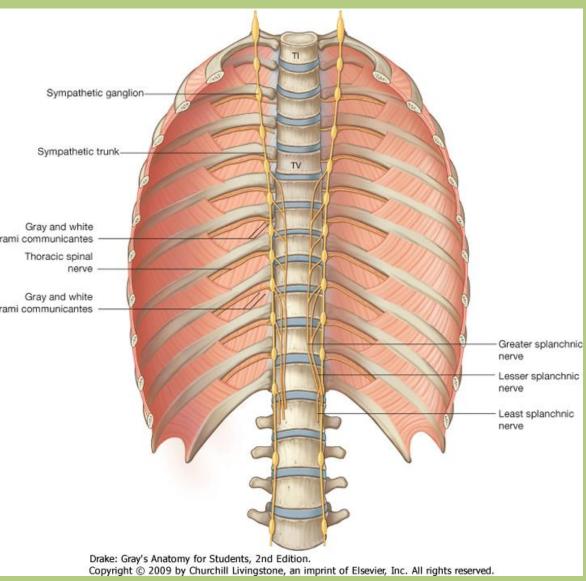
Drake: Gray's Anatomy for Students, 2nd Edition.
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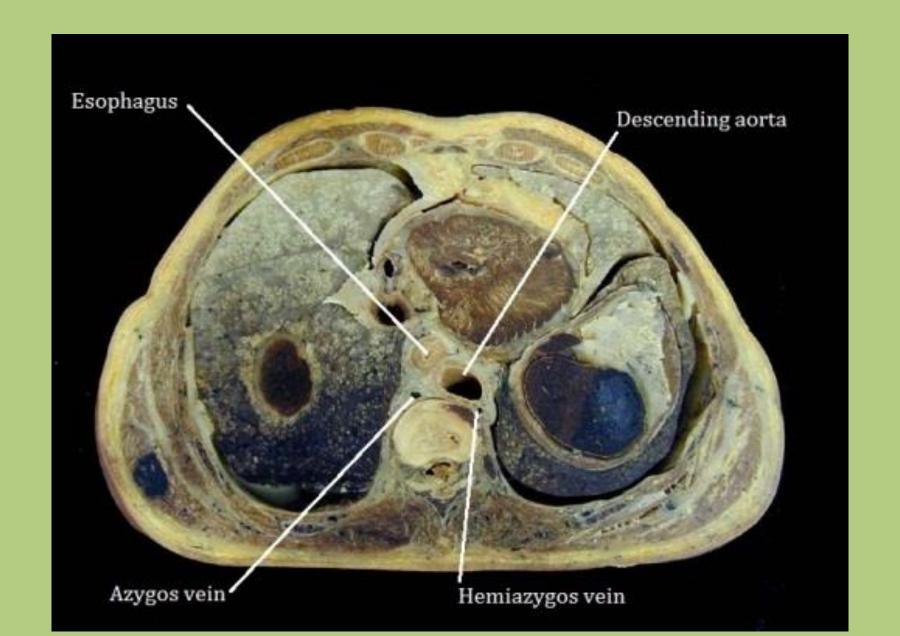
- 4. Azygos vein
- 5. Hemiazygos vein
- 6. Accessory hemiazygos vein



7. Thoracic duct

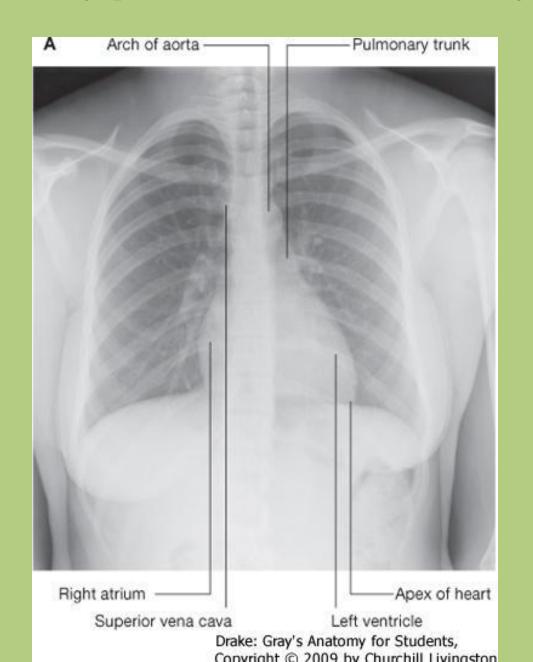


- 8. Sympathetic trunk
- 9. Greater splanchnic nerve
- 10. Lesser splanchnic nerve





X-ray picture of the chest cavity



Thank you for your attention.

References: Gray's Anatomy for Students

http://www.meduniwien.ac.at/sysanat/plastination.html

studyblue.com