

# Thorax

# Lecture 3

# Slides of Anatomy

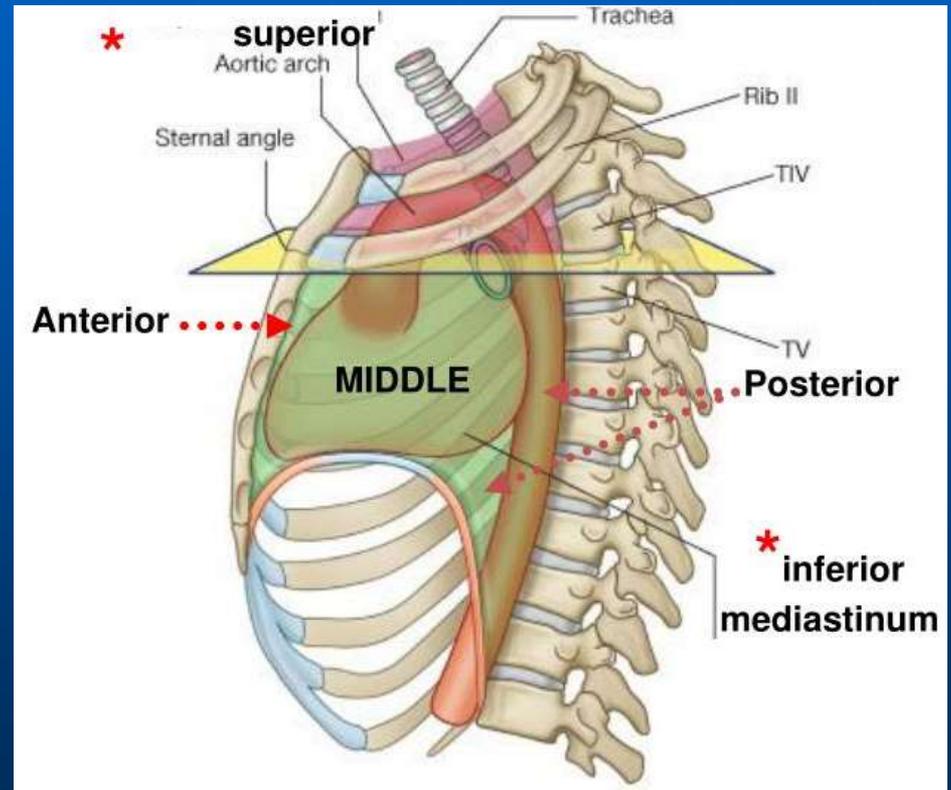
**Please Note: These slides were edited by the  
Premed Academic Team to fit the slides of  
Spring 2019.**

# Mediastinum

*Central part between pleural sacs.*

## Borders:

- Thoracic Inlet -> Superior.
- Diaphragm -> Inferior.
- Sternum -> Anterior.
- All thoracic vertebrae -> Posterior.



**THIS IS AN EXTRA PICTURE FOR EXPLANATION.**

# Subdivisions

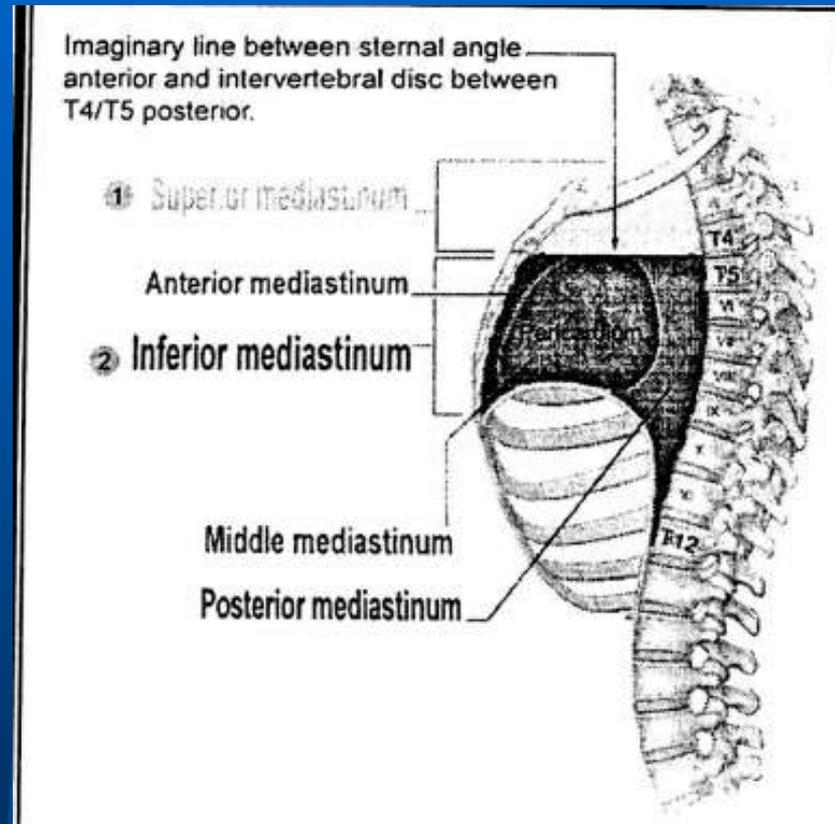
An imaginary line extending from sternal angle anterior to IVD between T4/T5 divides mediastinum into:

- 1. Superior mediastinum.**
- 2. Inferior mediastinum,**

The pericardium and its contents divides inferior mediastinum into:

- a. Anterior mediastinum.**
- b. Middle mediastinum.**
- c. Posterior mediastinum.**

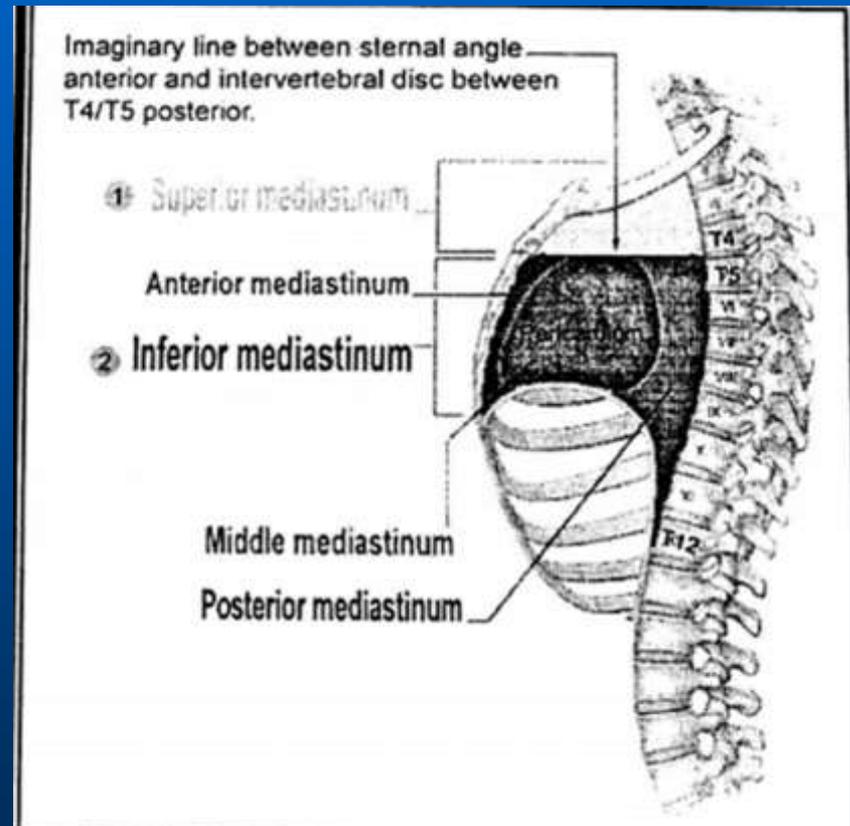
\*each part has its borders and contents



# Superior Mediastinum

## Borders:

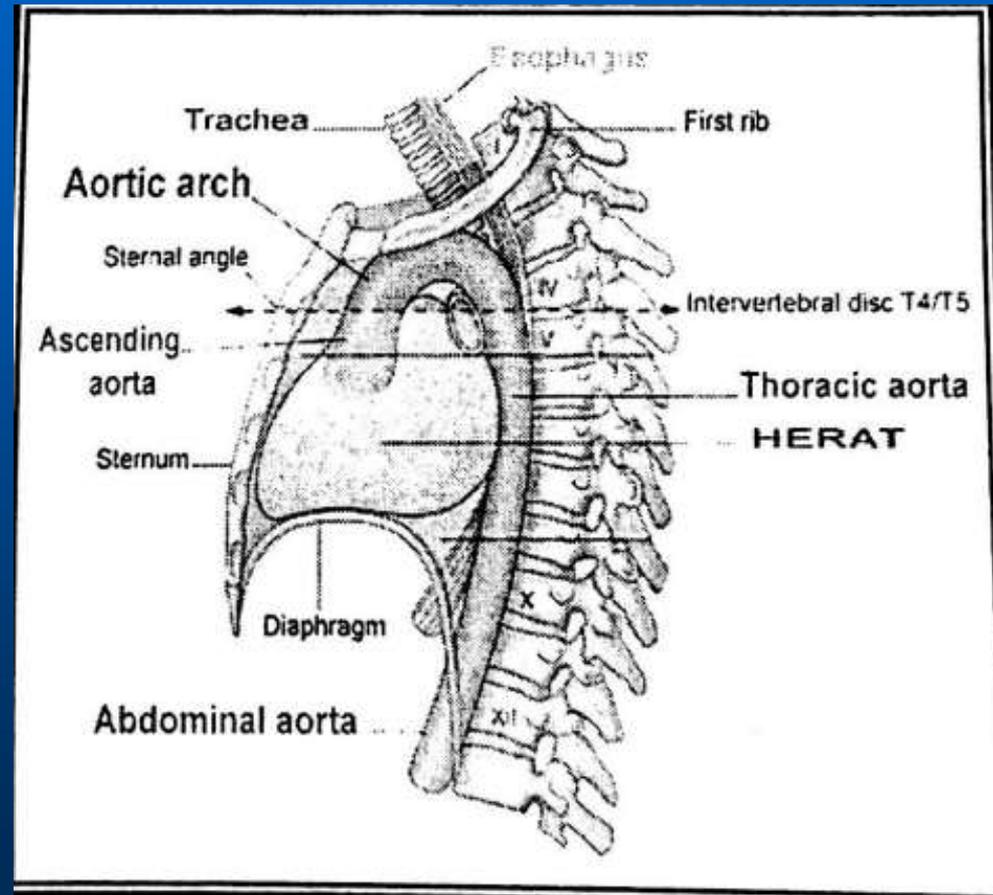
- Superior -> Thoracic inlet.
- Inferior -> Imaginary line.
- Anterior -> Manubrium.
- Posterior -> Upper 4 thoracic vertebrae.
- Contents: Next



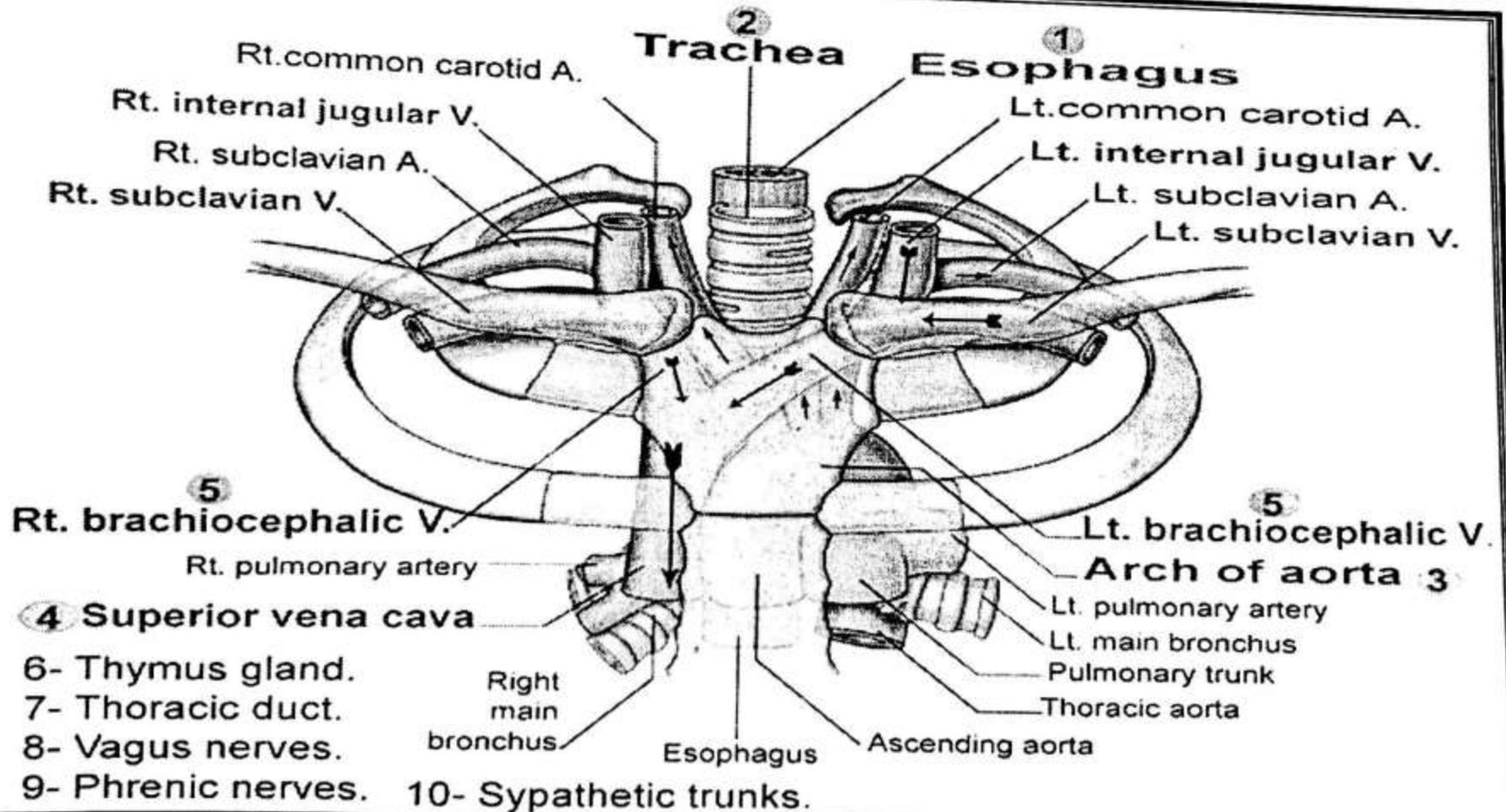
# Superior Mediastinum

## CONTENTS:

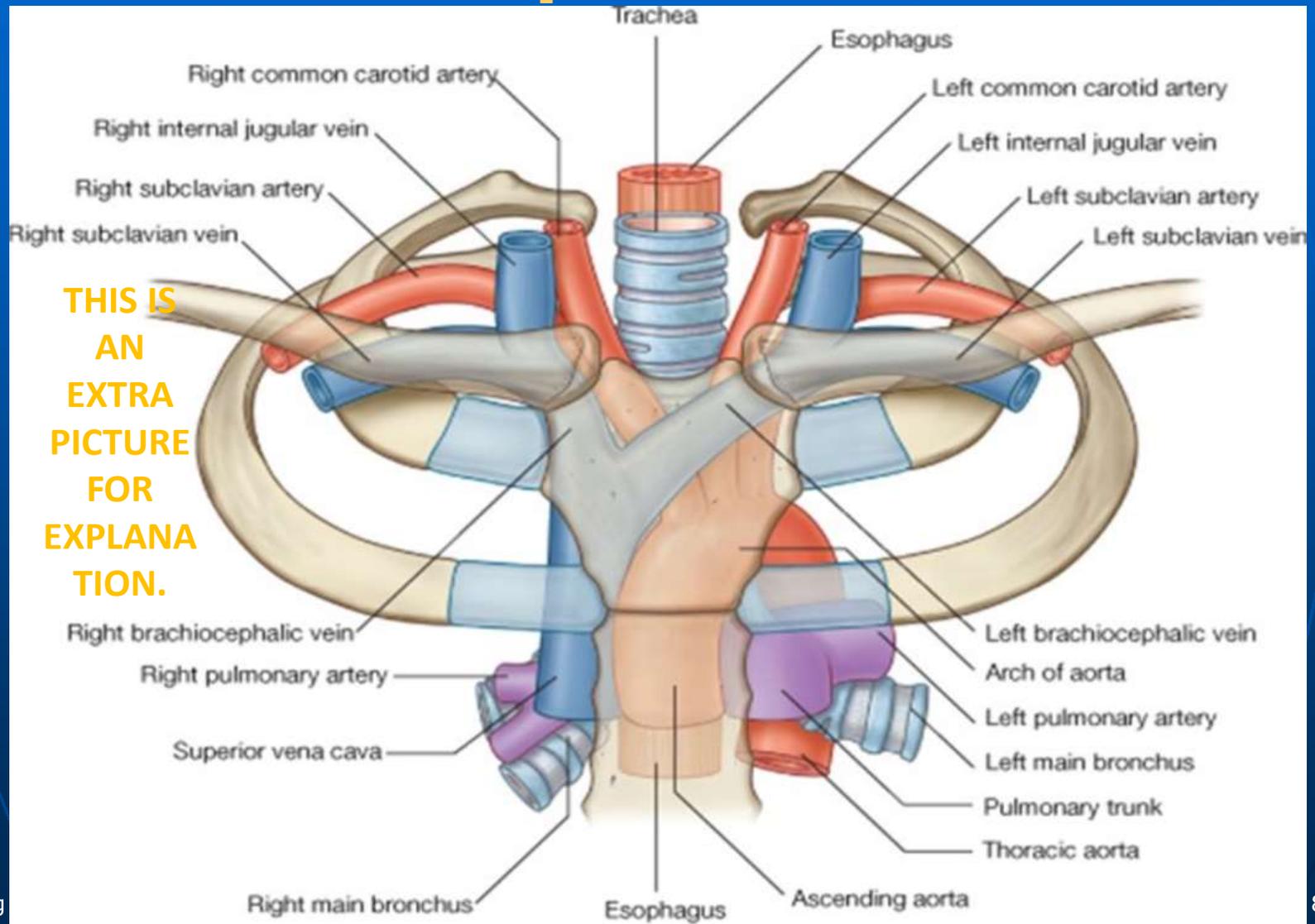
1. Esophagus.
2. Trachea.
3. Arch of aorta and its 3 large branches.
4. Superior vena cava.
5. Right and left brachiocephalic Vs.
6. Thymus gland.
7. Thoracic duct.
8. Phrenic nerves.
9. Vagus (X) nerves.
10. Sympathetic trunks.

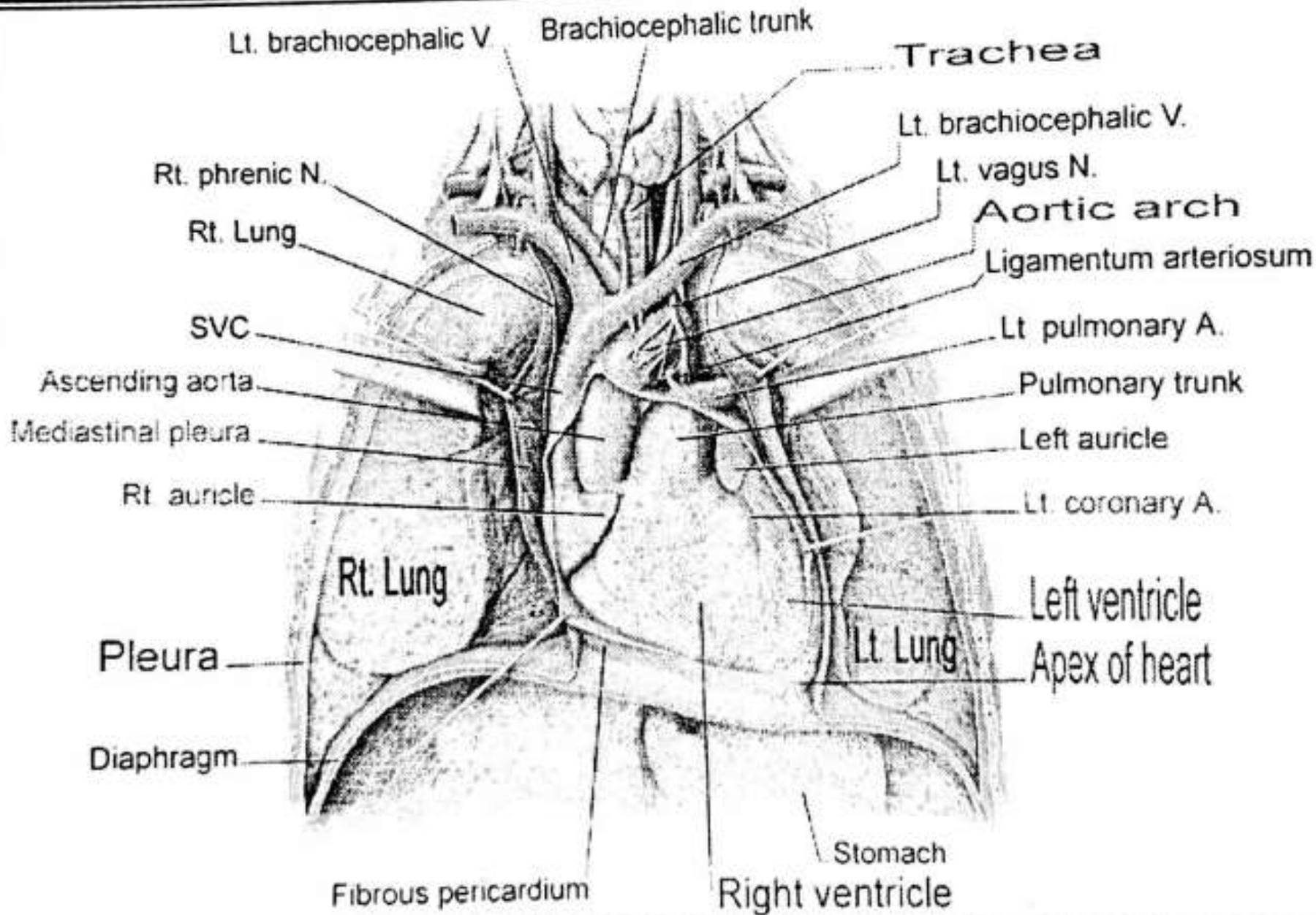


# Contents of Superior Mediastinum



# Contents of Superior Mediastinum

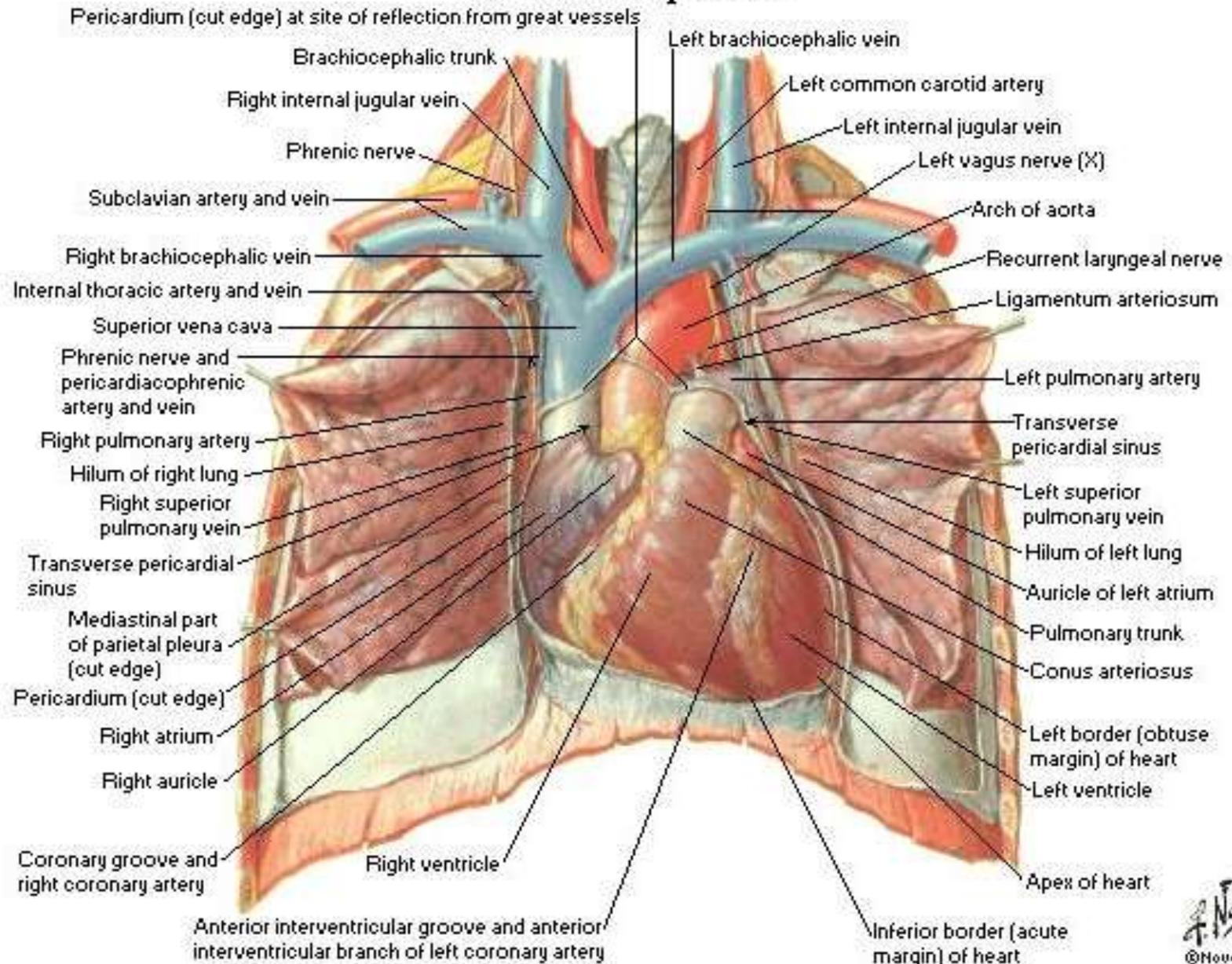




# Heart

THIS IS AN EXTRA PICTURE FOR EXPLANATION.

## Anterior Exposure



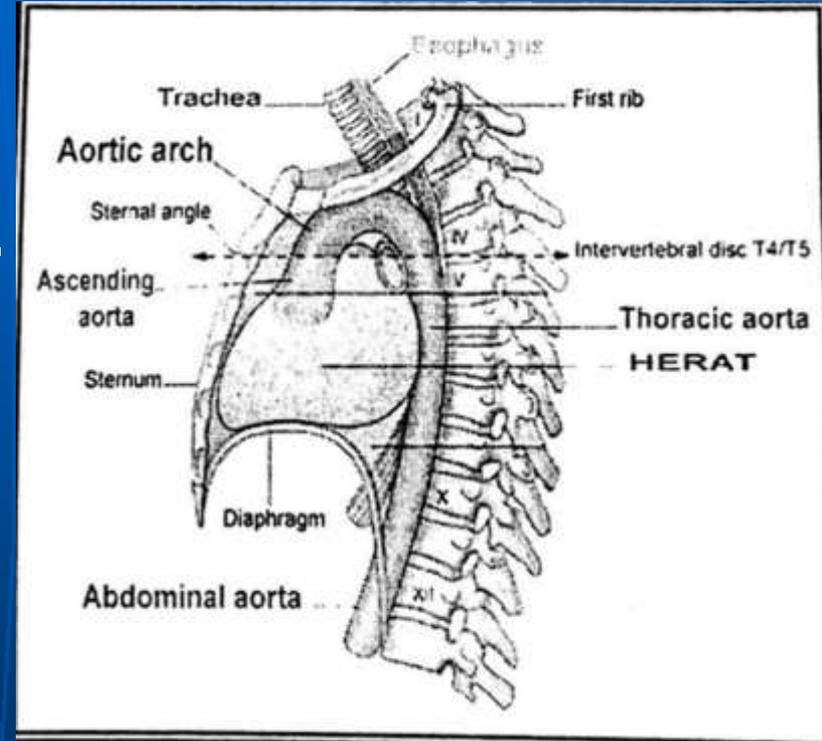
# Anterior Mediastinum

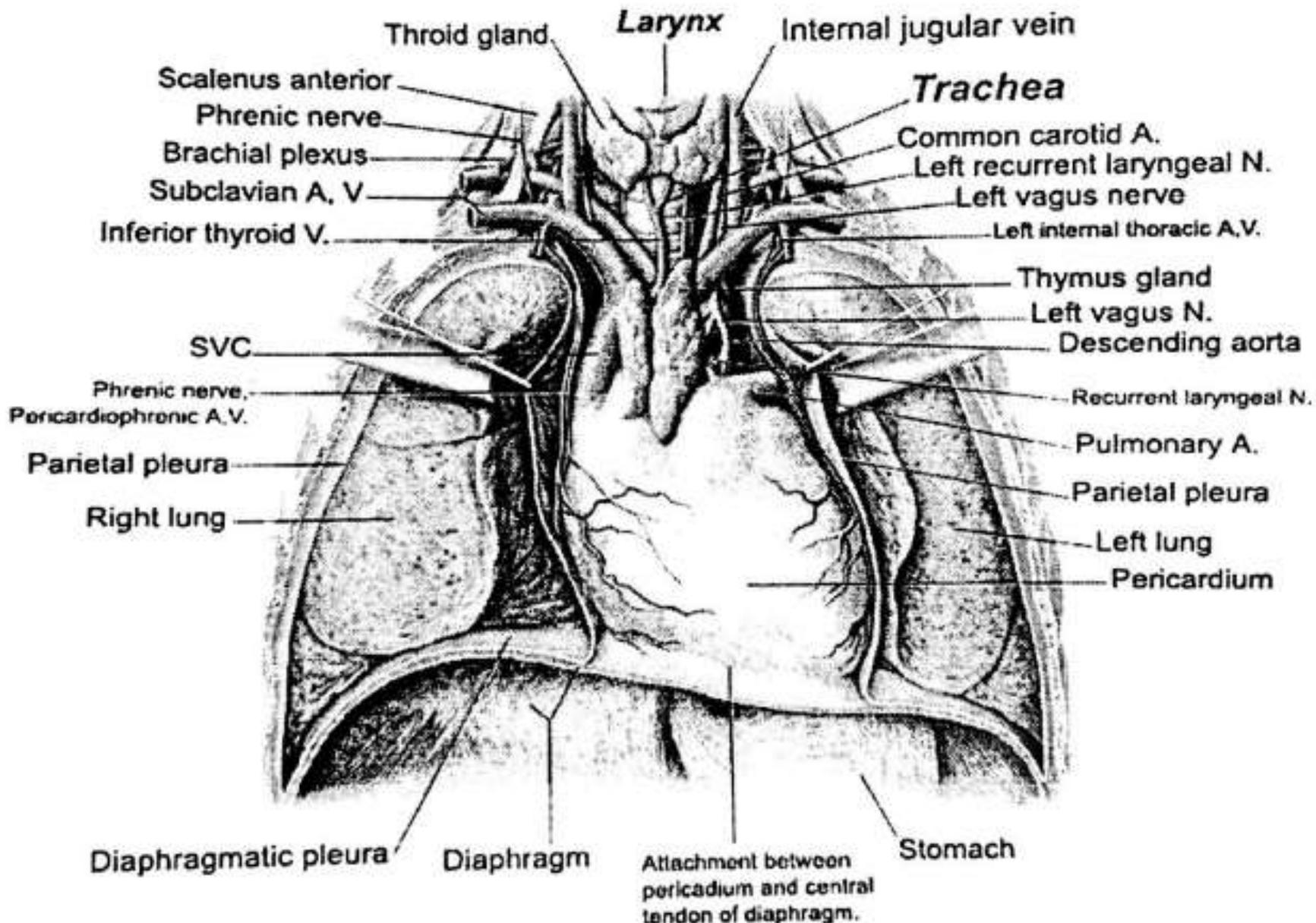
## Borders:

- Superior -> Imaginary line.
- Inferior -> Diaphragm.
- Anterior -> Body of sternum.
- Posterior -> Pericardium.

## Contents:

- Thymus gland.
- Fat.

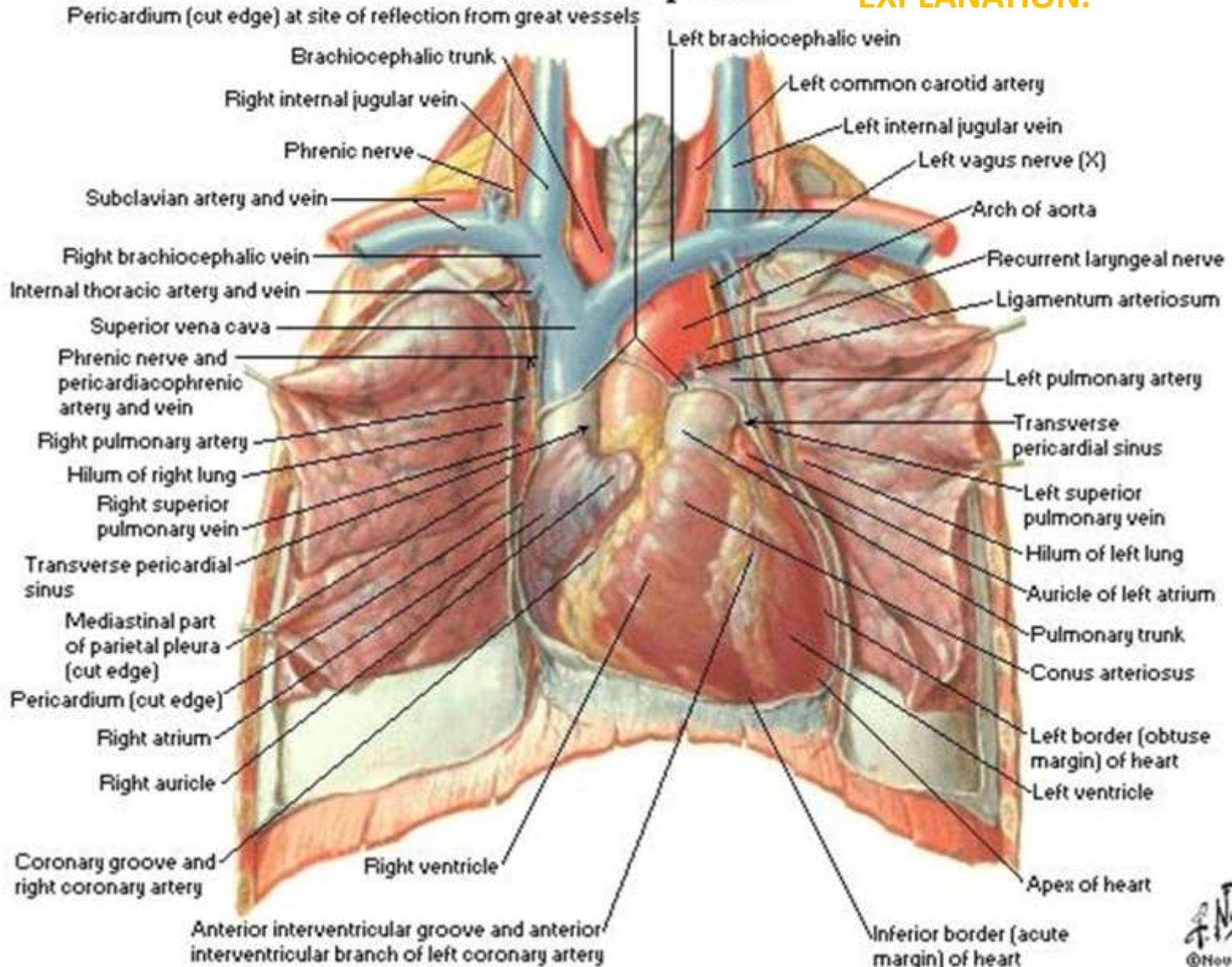




# Heart

## Anterior Exposure

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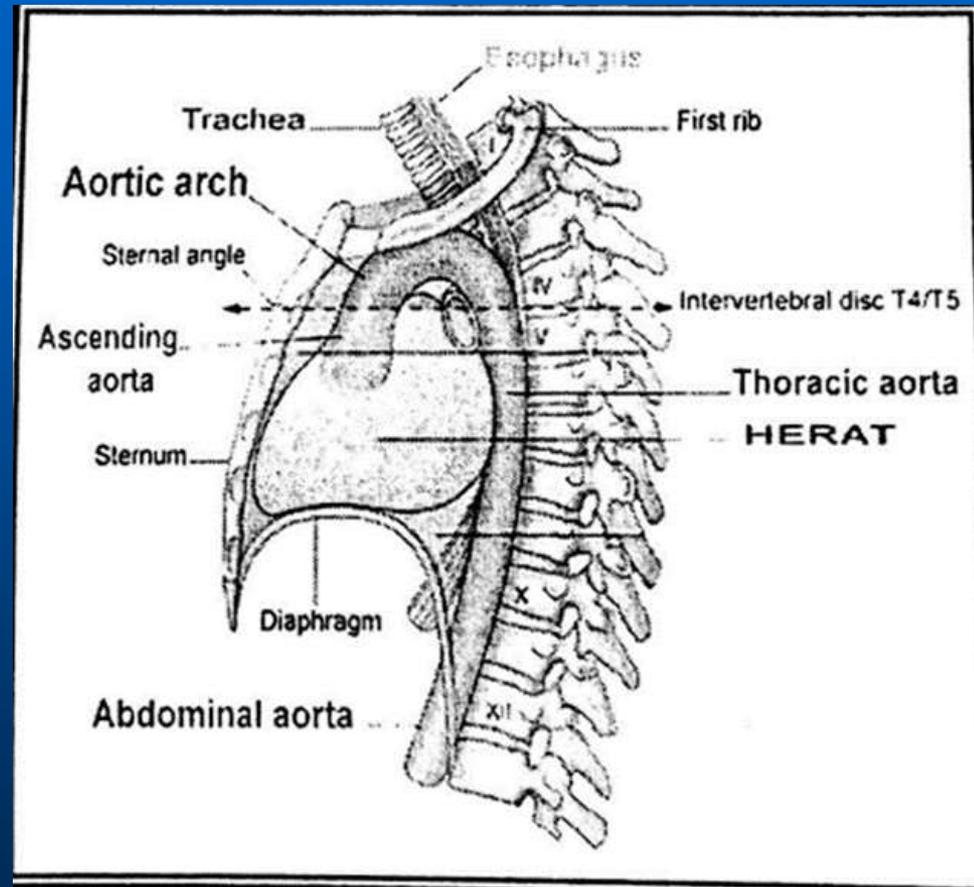
# Middle Mediastinum

## Borders:

- Superior -> Imaginary line.
- Inferior -> Central tendon of diaphragm.
- Anterior -> Ant. Mediastinum.
- Posterior -> Middle 4 thoracic vertebrae.

## Contents:

- Heart.
- Pericardium.
- Phrenic nerves.



# Posterior Mediastinum

## Borders:

- Superior -> Imaginary line.
- Inferior -> Sloping part of diaphragm.
- Anterior -> Pericardium.
- Posterior -> Lower 8 thoracic vertebrae.

## Contents:

- Esophagus.
- Thoracic aorta.
- Azygous veins.
- Thoracic duct.
- Sympathetic trunks.

