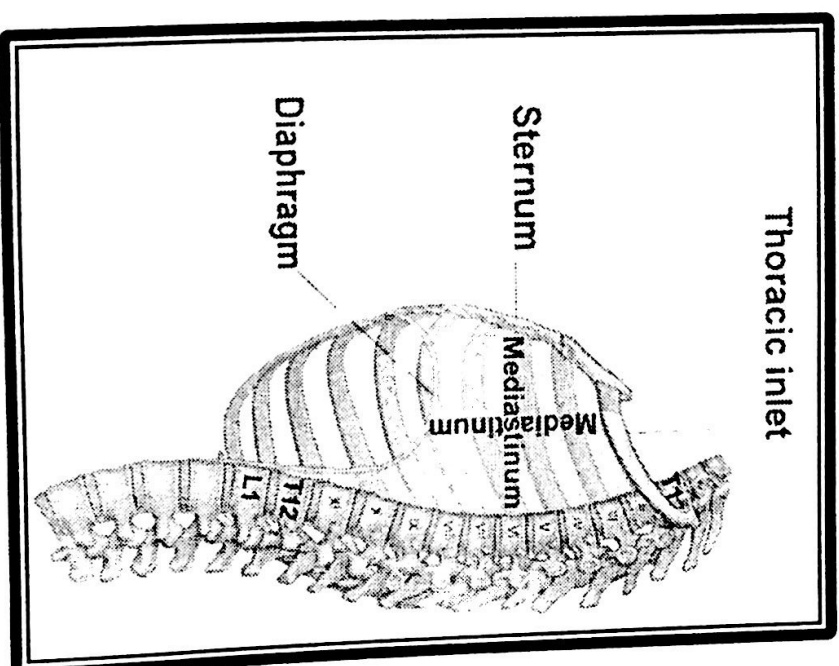


Mediastinum

Central part between pleural sacs.

Borders:

- Thoracic inlet → Superior.
- Diaphragm → Inferior.
- Sternum → Anterior.
- All thoracic vertebrae → Posterior.



Subdivisions

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

1. Superior mediastinum.

2. Inferior mediastinum,

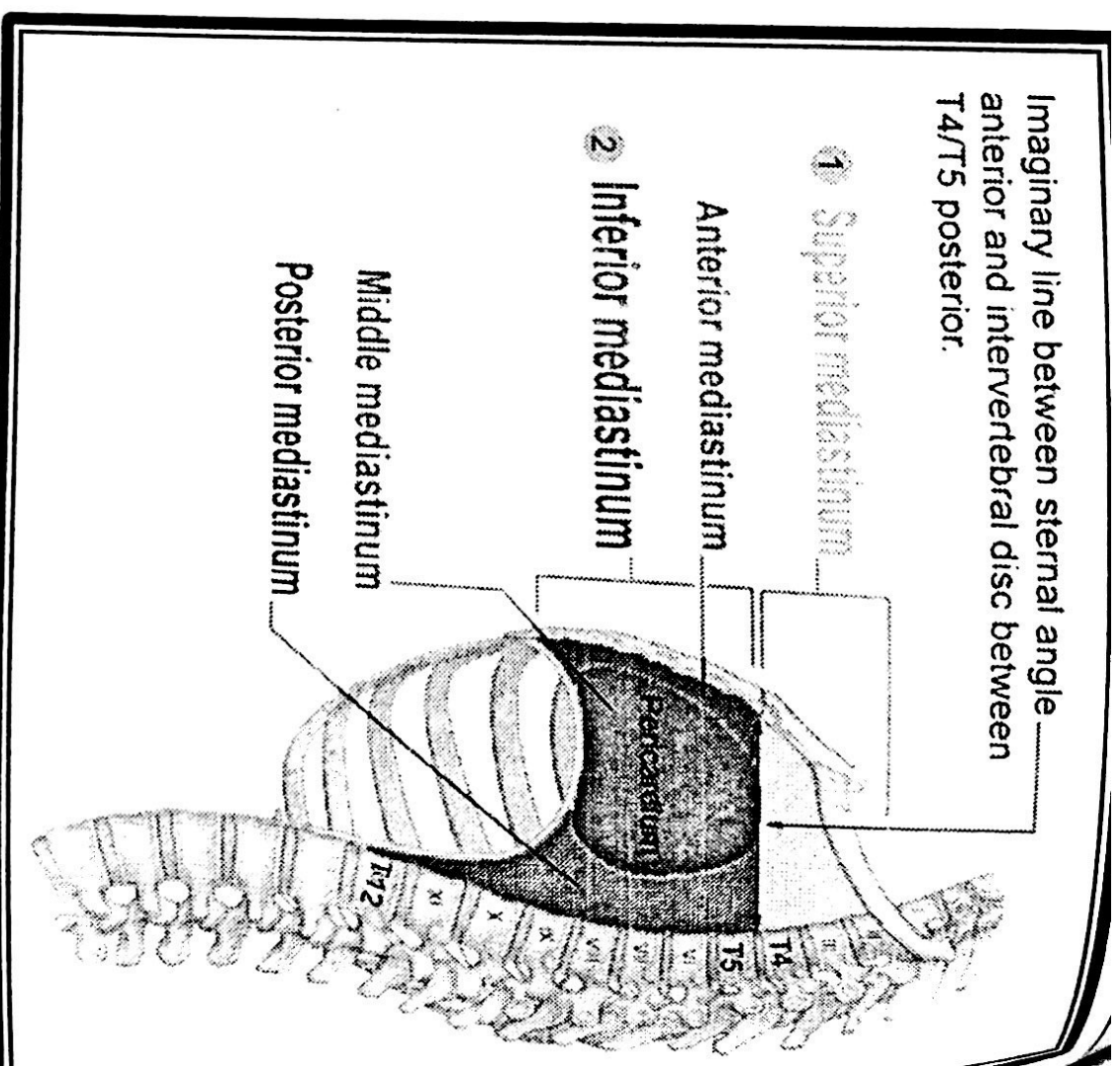
The pericardium and its contents divides inferior mediastinum into:

a. Anterior mediastinum.

b. Middle mediastinum.

c. Posterior mediastinum.

➤ Each part has its borders and contents.



Superior mediastinum

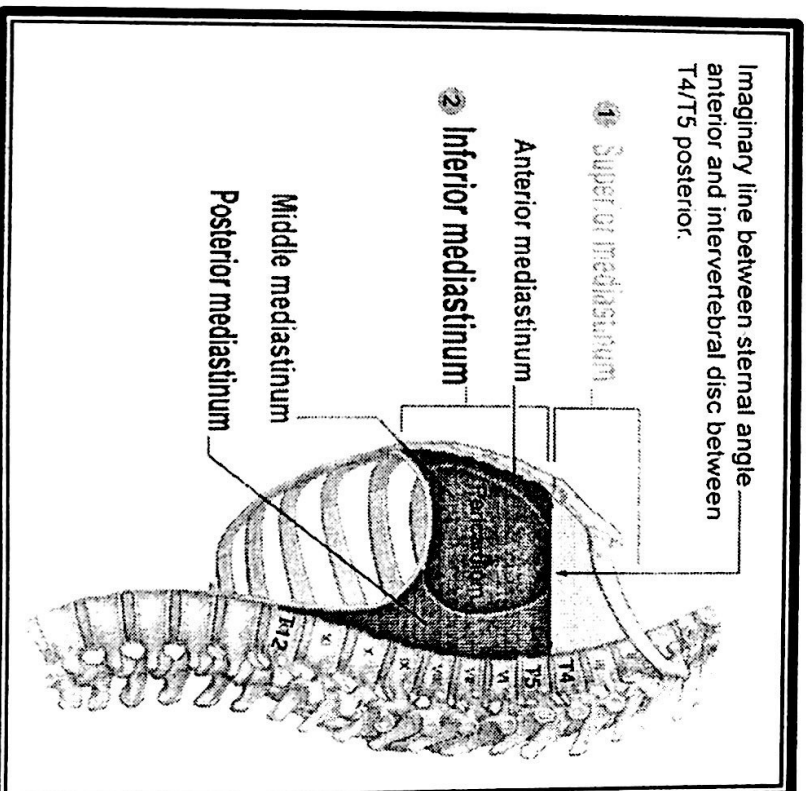
Borders:

- Superior ⇨ Thoracic inlet.
- Inferior ⇨ Imaginary line.
- Anterior ⇨ Manubrium.
- Posterior ⇨ upper 4 thoracic vertebrae.

Contents: Next

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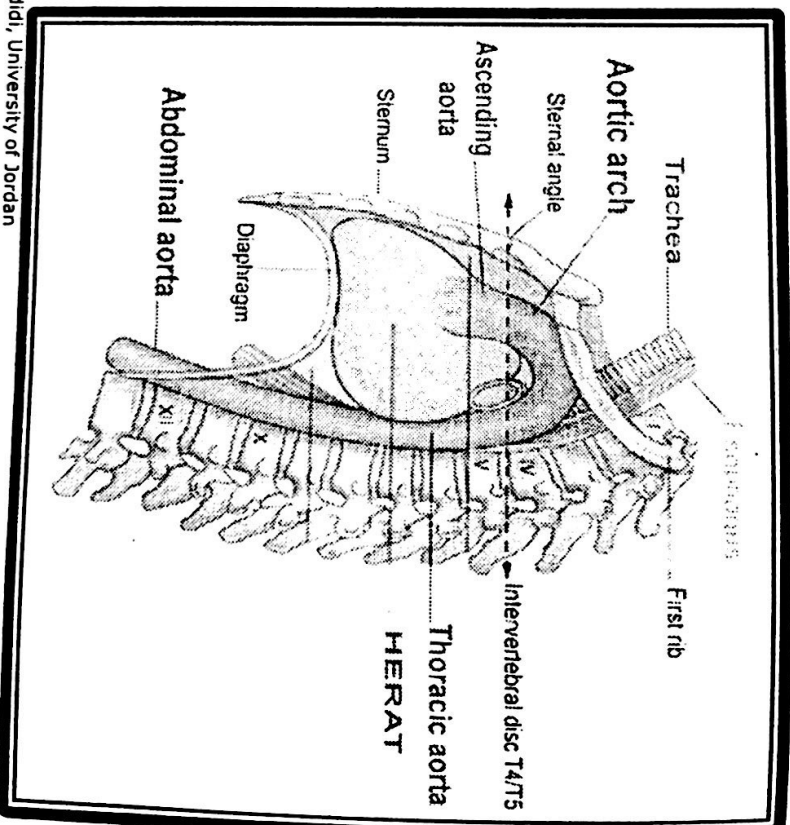


4

Superior mediastinum

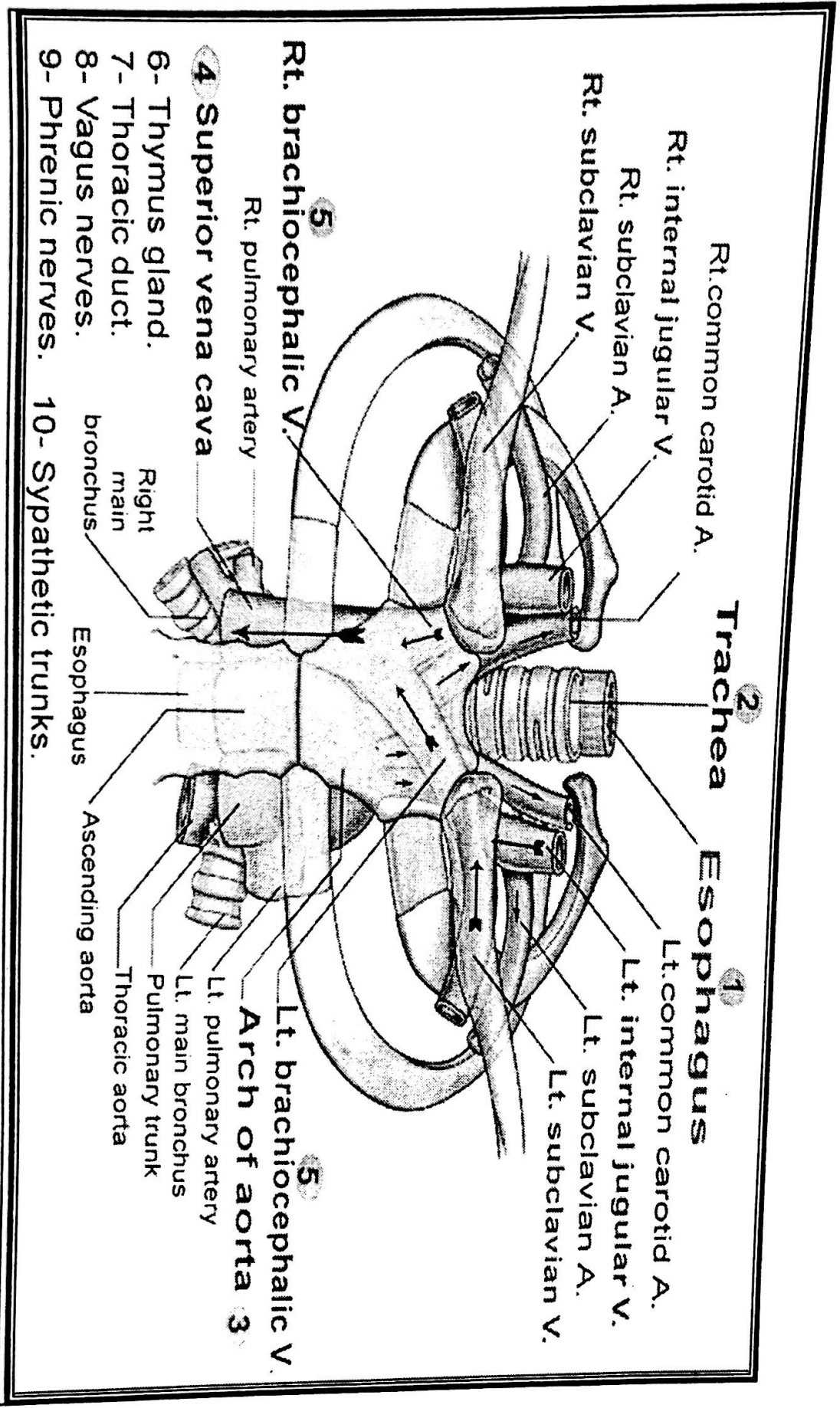
CONTENTS:

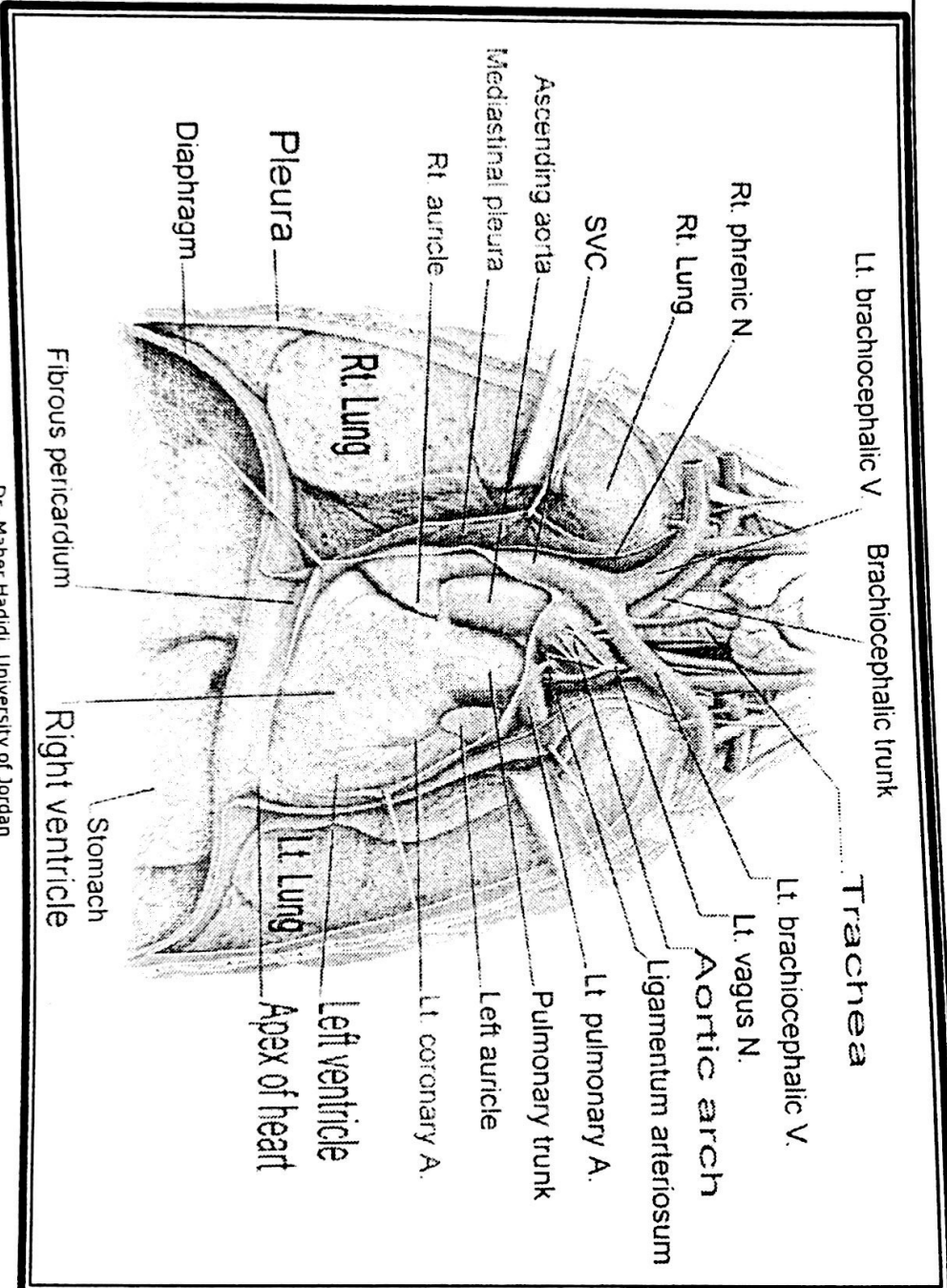
1. Esophagus.
2. Trachea.
3. Arch of aorta and its 3 large branches.
4. Superior vena cava.
5. Right and left brachiocephalic Vs.
6. Thyimus gland.
7. Thoracic duct.
8. Phrenic nerves.
9. Vagus (X) nerves.
10. Sympathetic trunks.



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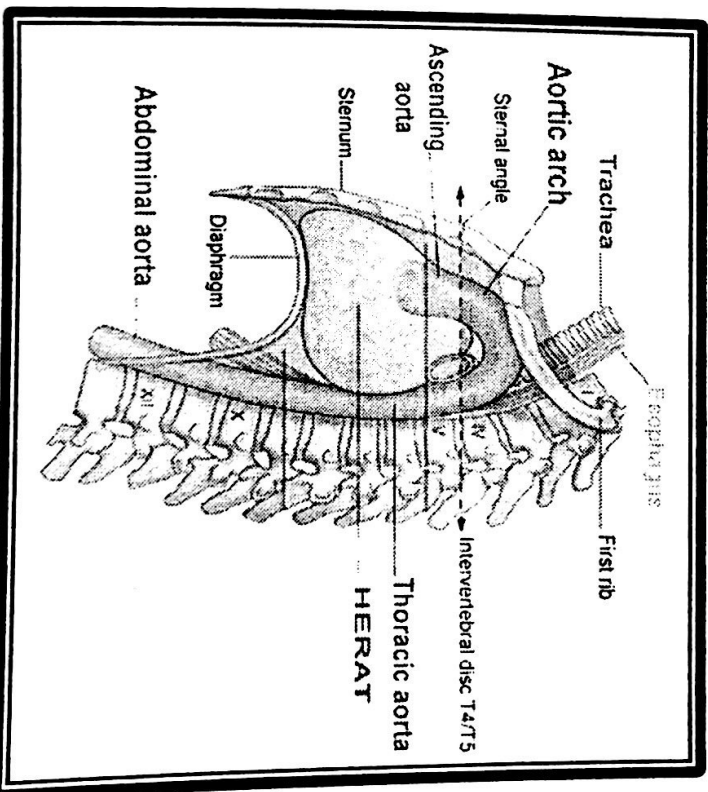
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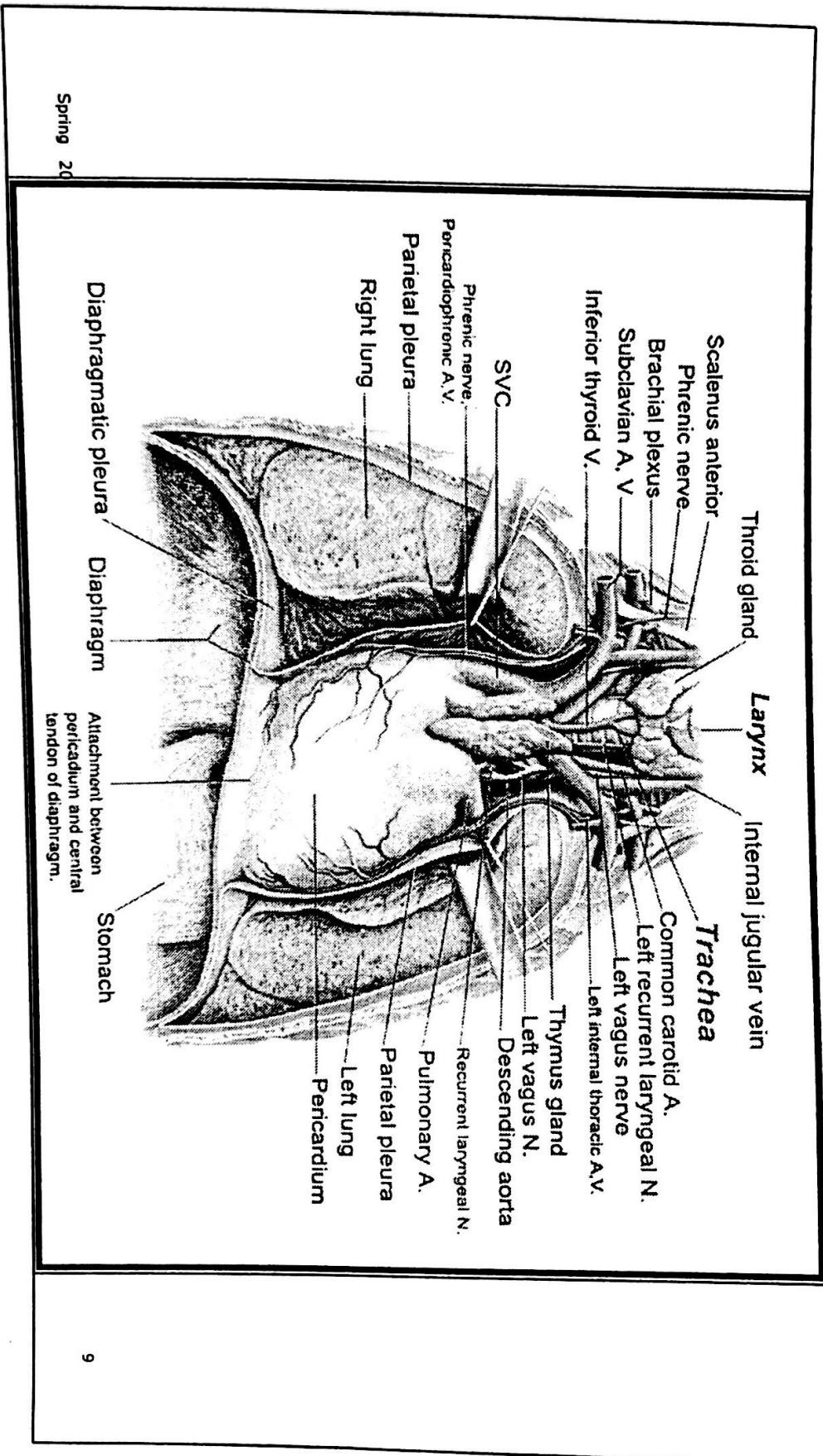
Anterior mediastinum

- **Borders:**
 - Superior ⇨ Imaginary line.
 - Inferior ⇨ Diaphragm
 - Anterior ⇨ Body of sternum.
 - Posterior ⇨ Pericardium.
- **Contents:**
 - Thymus gland.
 - Fat.



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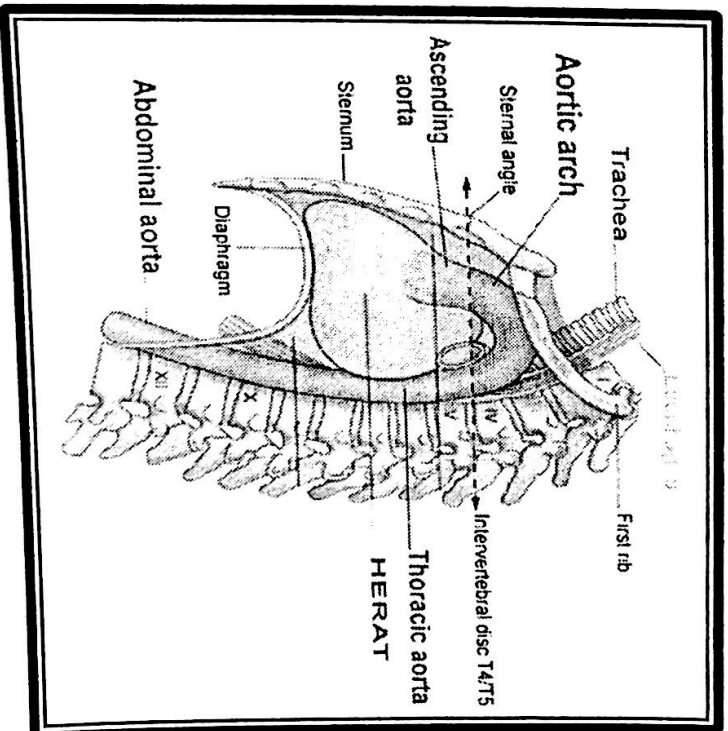
Middle Mediastinum

■ Borders:

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

■ Contents:

- Heart.
- Pericardium.
- Phrenic nerves.



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Posterior Mediastinum

■ Borders:

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

■ Contents:

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

