Descending tharacic apria:

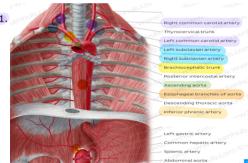
Begining -> Ty

(ourse. - esophagus descends on the right side of aorta; cross in fint of it at level T.7 termination ~ T12

Branches:

Parietal branches:

- 1. Posterior intercostal arteries from 3-11.
- 2. Subcostal artery.
- 3. Superior phrenic artery.
- Visceral branches:
- 1. Bronchial arteries.
- 2. Esophagea branches.
- Pericardial branches.
- 4. Mediastina branches.



ANATOMY 3



Azygos vein

Beginning:

- From the back of IVC opposite L2 (level of renal vein)
- · Or by union of right subcostal and right ascending lumbar veins.

Course:

- It ascends through aortic opening of diaphragm.
- Then it ascends in posterior mediastinum till T4 where it arches forwards above right bronchus

Termination: the back of SVC opposite right 2nd costal cartilage:

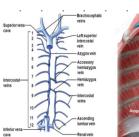
Beginning	Receive Az	19 05		Termination
15+	· gnd.			3 rd CC
T	7 50			. S . cc

Tributaries:

- 1. Right subcostal vein.
- 2. Right ascending lumbar vein.
- 3. Right posterior intercostal veins from 4-11 (2nd and 3rd posterior intercostal veins drained into right superior intercostal vein which drained

into arch of azygos...

- 4. Right subcostal vein .
- 5. Superiorandinferiorhemiazygosveins.
- 6. Right bronchial veins.
- 7. Esophagealveins.
- 8. Pericardialveins.
- 9. Mediastinalveins.





Branches of descending

aorta:

Posterior intercostal arteries from 3-11. Subcostal artery. Superior phrenic artery. Bronchial arteries.

Esophageal branches.

Pericardial branches.

Mediastinal branches.

CLINICAL NOTE

Azygos vein is a direct link between SVC and IVC .

So, it can help in cases of thrombosis of SVC or IVC

The azygos vein communicates with the vertebral venous plexuses that drain the back, vertebrae, and structures in the vertebral canal.

hemiazygos rein

. Superior.

It is a longitudinal venous channel that descends on the left side of vertebral body

Termination:

At the level of T7, it curves to right to end in azygos vein.

Tributaries:

1.Left posterior intercostal veins from 4-8

2.Left bronchial veins.

Beginning: From the back of the left renal vein opposite L2.

Or by union of left subcostal and left ascending lumbar veins.

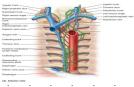
Termination:

At the level of T8, it curves to the right to end into azygos vein.

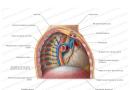
Tributaries:

1.Left posterior intercostal veins from 9-11.

2.Left subcostal and left ascending lumbar veins.







DTASTINAL SYNDROME



occupying lesion:e.g. malignant tumour as lung cancer or non-Hodgkin's lymphoma

- •Dyspnea: due to compression of trachea.
- · Dysphagia: due to compression of esophagus.
- Congestion of veins: due to compression of SVC
- · Ischemia: due to compression of branches of arch of aorta.
- · Hoarseness of voice: due to compression on left recurrent laryngea
- Paralysis of hemi-diaphragm: due to compression on phrenic nerve.

SUPERSOR VENA CAUA SYNDRUME







Dyspnea and edema in the face and arms

Ask the patient to raise both arms above head, facial edema or cyanosis indicates