



Anatomy Team

430

**the Doctor's
Final Revision**

Thyroid gland

- ☐ Fascia
- ☐ Level
- ☐ Relation
- ☐ Blood supply
- ☐ Clinical

Relation of thyroid gland

Mention 2 nerves related to the thyroid gland medially ?

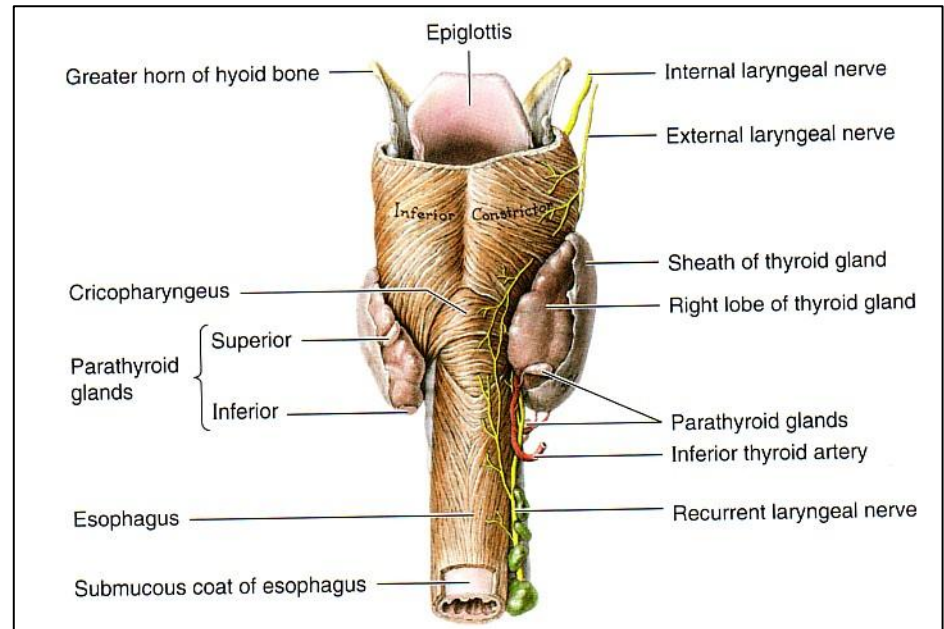
A.

B.

Key:

A. Recurrent laryngeal nerve . (5 marks)

B. External laryngeal nerve.



Mention 2 structures related to both isthmus and lobe of the thyroid gland Anteriorly.

1- -----

2-----

Key:

1- Sternothyroid.

(5 marks)

2- Sternohyoid.

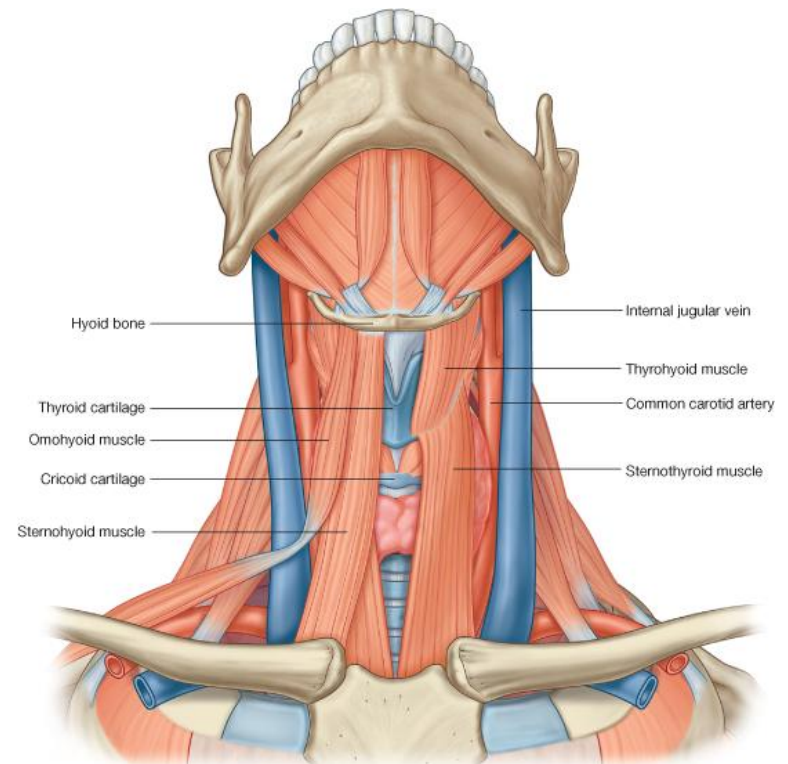
*****The structures related to the Lobe of thyroid gland anteriorly :-**

1. Sternothyroid.

2. Sternohyoid.

3. Superior belly of omohyoid

4. Sternomastoid



With thyrodictomy operation

Mention;

A. Fascia incised.

B. Nerves protected from injury.

Key:

A.

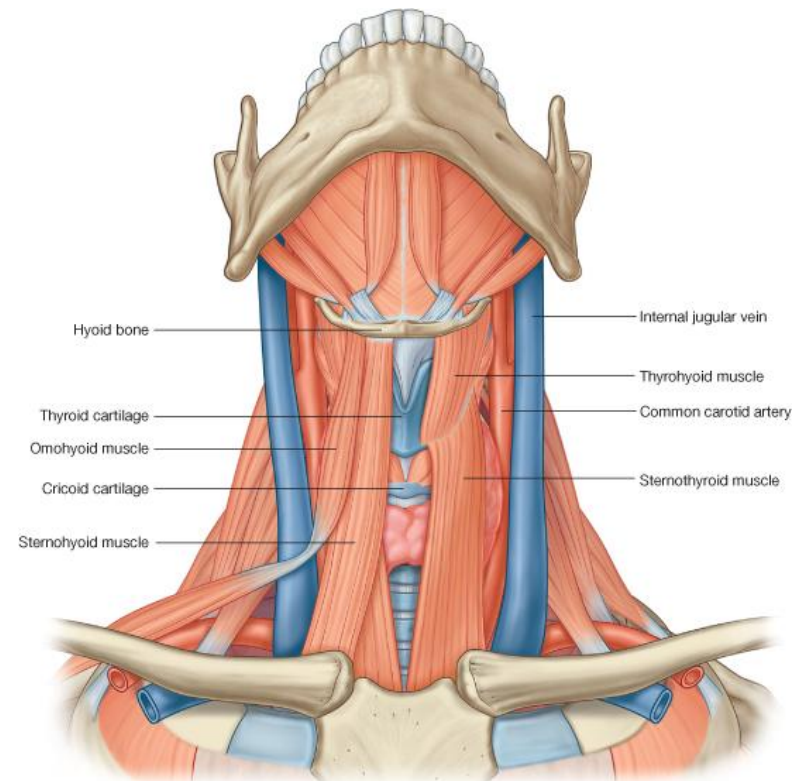
1- Investing layer.

2- Pretracheal layer.

B.

1- The external laryngeal nerve.

2- The recurrent laryngeal nerve



For the thyroid gland Mention;

A. origin of the arterial supply

B. end of the venous drainage.

(5 marks)

A.-----

B. -----.

Key:

A. 1- external carotid artery .

2- aortic arch or brachiocephalic artery.

3- thyrocervical trunk of 1st part of subclavian artery.

B. 1- internal jugular.

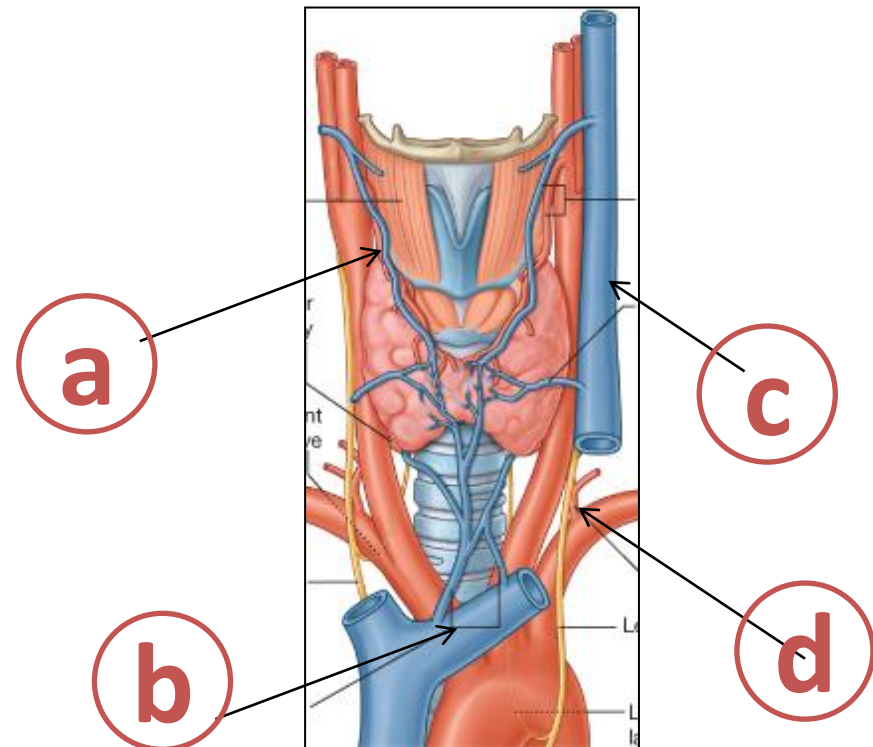
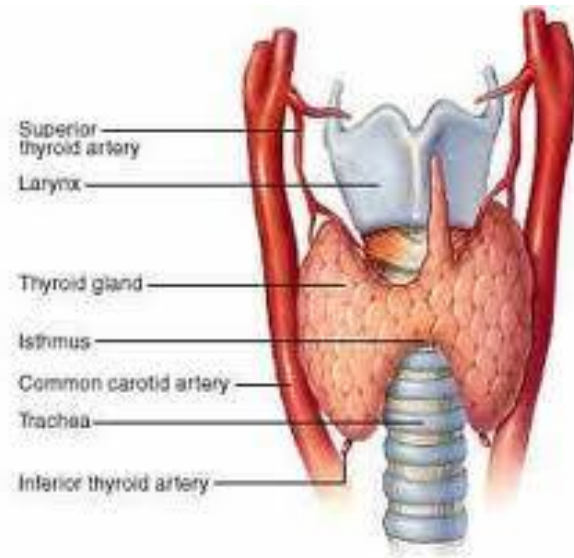
2- left brachiocephalic

****A-superior thyroid vein**

B-left brachiocephalic vein

C-internal jugular vein

D-thyrocervical trunk.



Adrenal gland

- Level.
- Comparison between R. and L. glands
- Position
- Shape
- Relation
- Blood supply.

1- Mention the anatomical level of the adrenal glands. •

key: just above level of T12 •

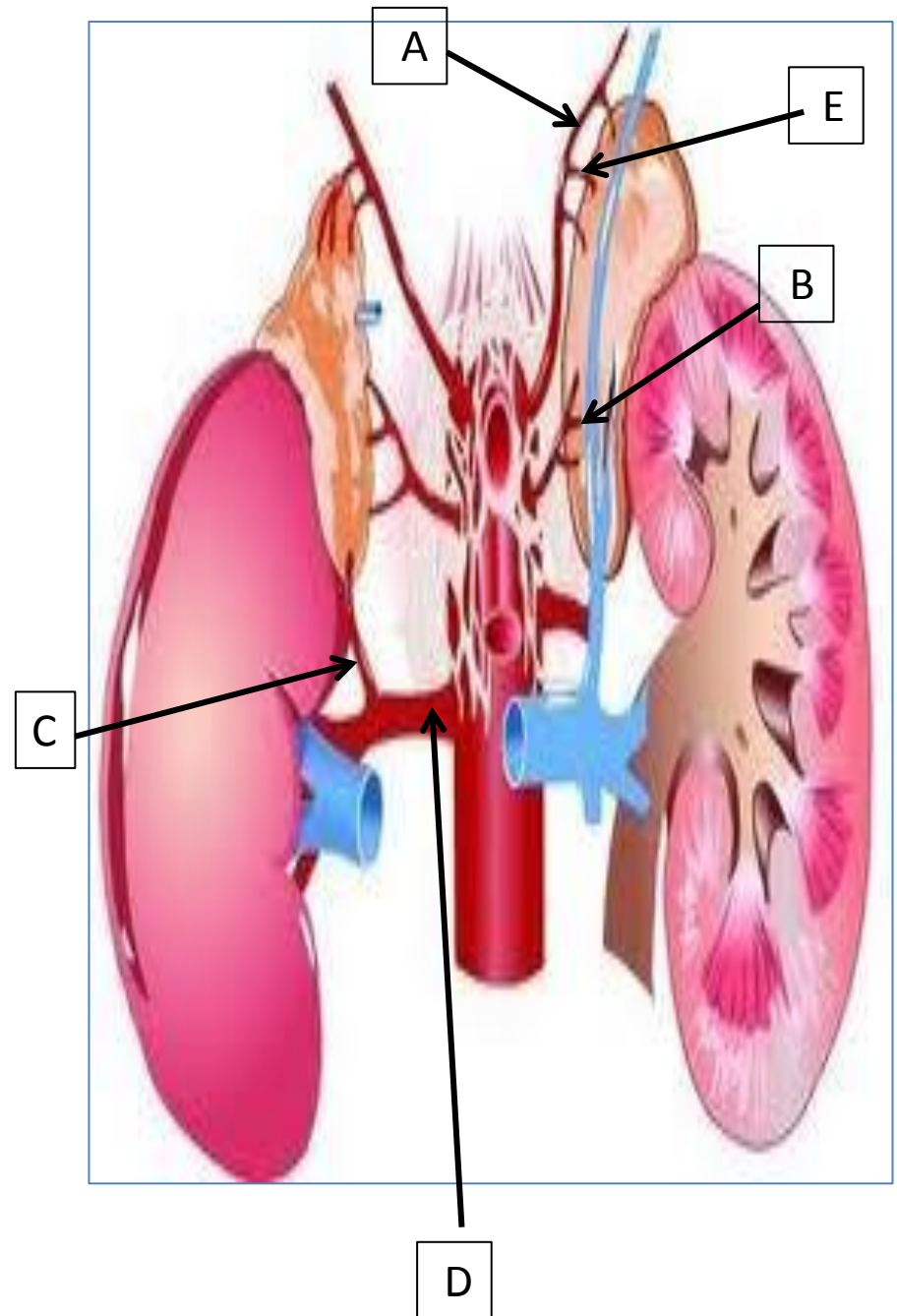
2- Mention the origin of the arterial supply of the adrenal glands ?

- a.-----.
- b.-----.
- c. -----.

Key :

- a. Superior suprarenal (inferior phrenic).
- b. middle suprarenal (abdominal aorta).
- c. Inferior suprarenal (renal arteries)

**** A- inferior phrenic**
B- middle suprarenal
C- Inferior suprarenal
D- Right renal artery
E- Superior suprarenal

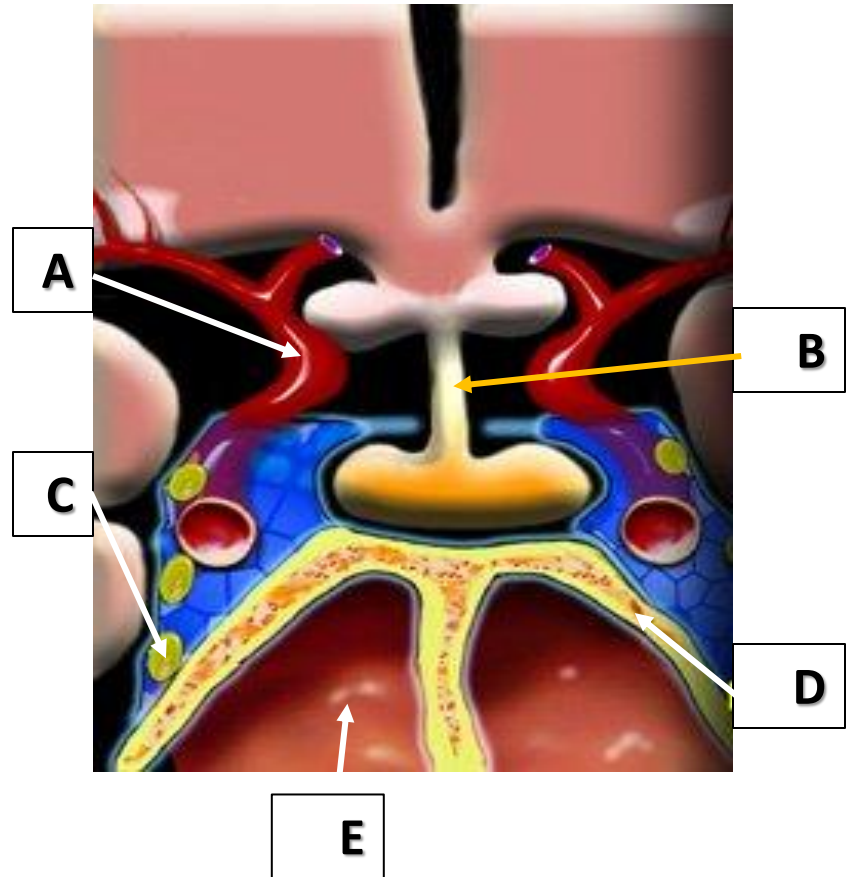


Pituitary gland

- Position
- Relation
- Blood supply

***Pituitary gland ;.**

- A- Internal carotid artery
- B- Pituitary stalk (infundibulum).
- C- Maxillary branch of the trigeminal nerve.
- D- Sphenoidal bone
- E- Sphenoidal air sinus .



Mention important lateral , superior , posterior and inferior relations of pituitary gland

A- SUPERIOR:

- 1- Diaphragma sellae
- 2 -part of the internal carotid artery

B- INFERIOR:

- 1-sphenoidal bone
- 2-sphenoidal air sinus

C- LATERAL:

Cavernous sinuses (lateral) .

****on the lateral wall of the cavernous sinuses ;**

- occulomotor Nerve
- Trochlear Nerve
- ophthalmic branch of the trigeminal nerve
- maxillary branch of the trigeminal nerve

****within the cavernous sinuses ;**

- internal carotid Artery
- Abducent Nerve
- body of sphenoid .

D- POSTERIOR:

- 1-dorsum sellae
- 2-basellar artery
- 3-pons

