IN THE NAME OF GOD

General anatomy

For paramedicine student

By

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PHYSIOLOGY OF BODY CONTROLLED BY:

A. Nervous system: neurotransmitter secretion
B. Endocrine system: hormone secretion

ENDOCRINE GLANDS

Thyroid Gland

Parathyroid Gland

Suprarenal Gland

Thyroid gland

25 gram

Lo0cated in ant. Part of neck

Between C5 –T1

Have Two lobes & Isthmus

Apex = oblique line of thyroid cartilage

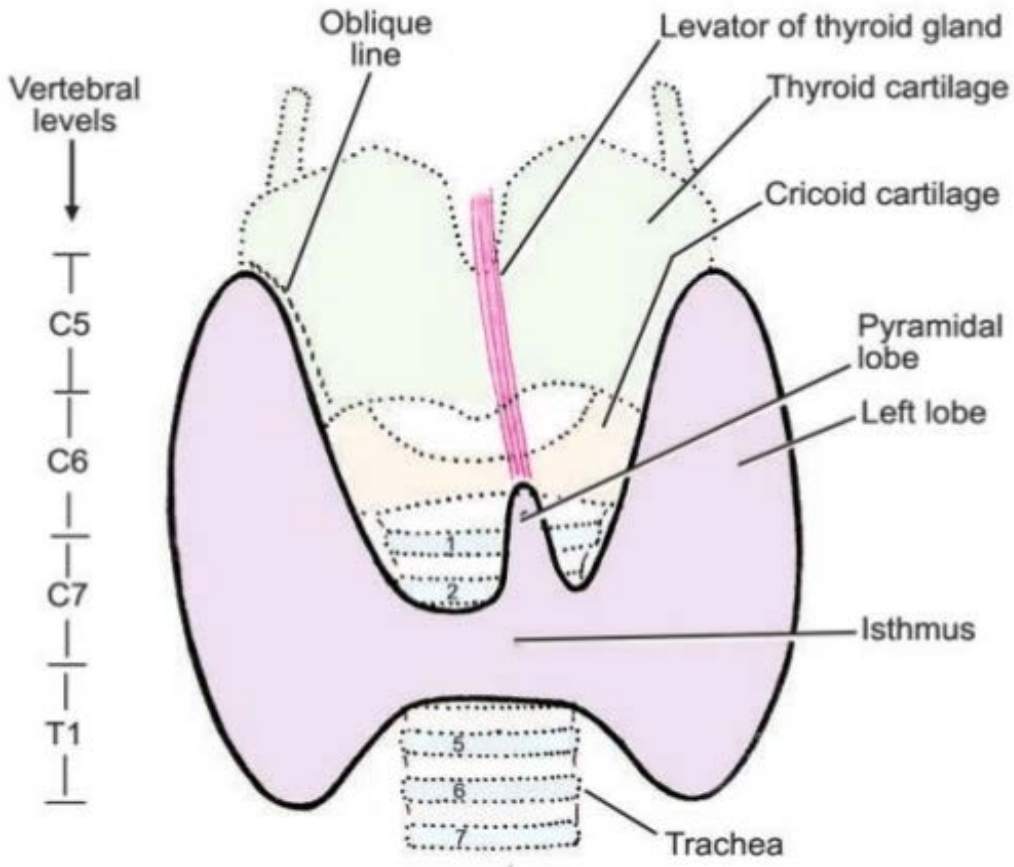
Base = C5

Surfaces =

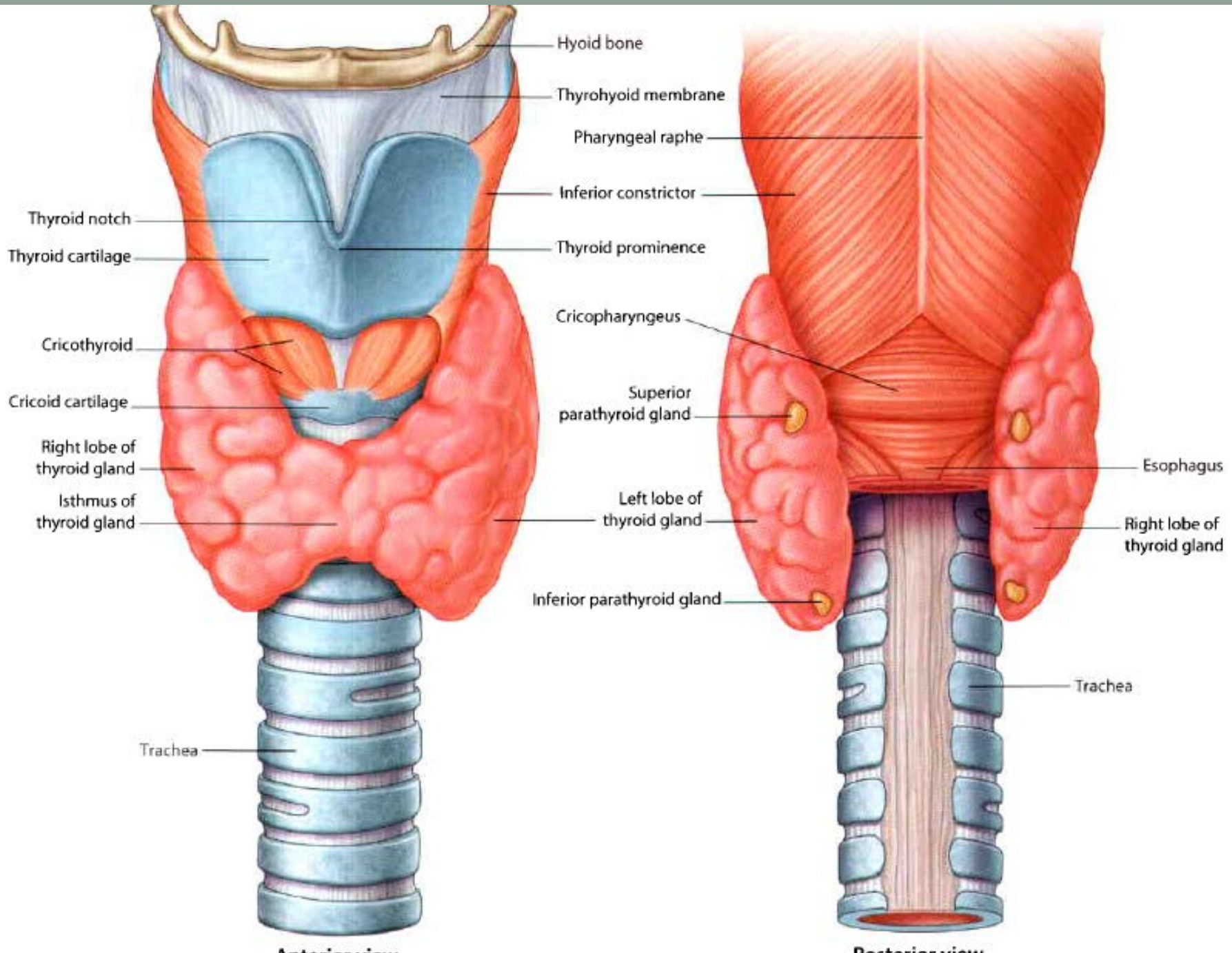
med. = trachea / larynx

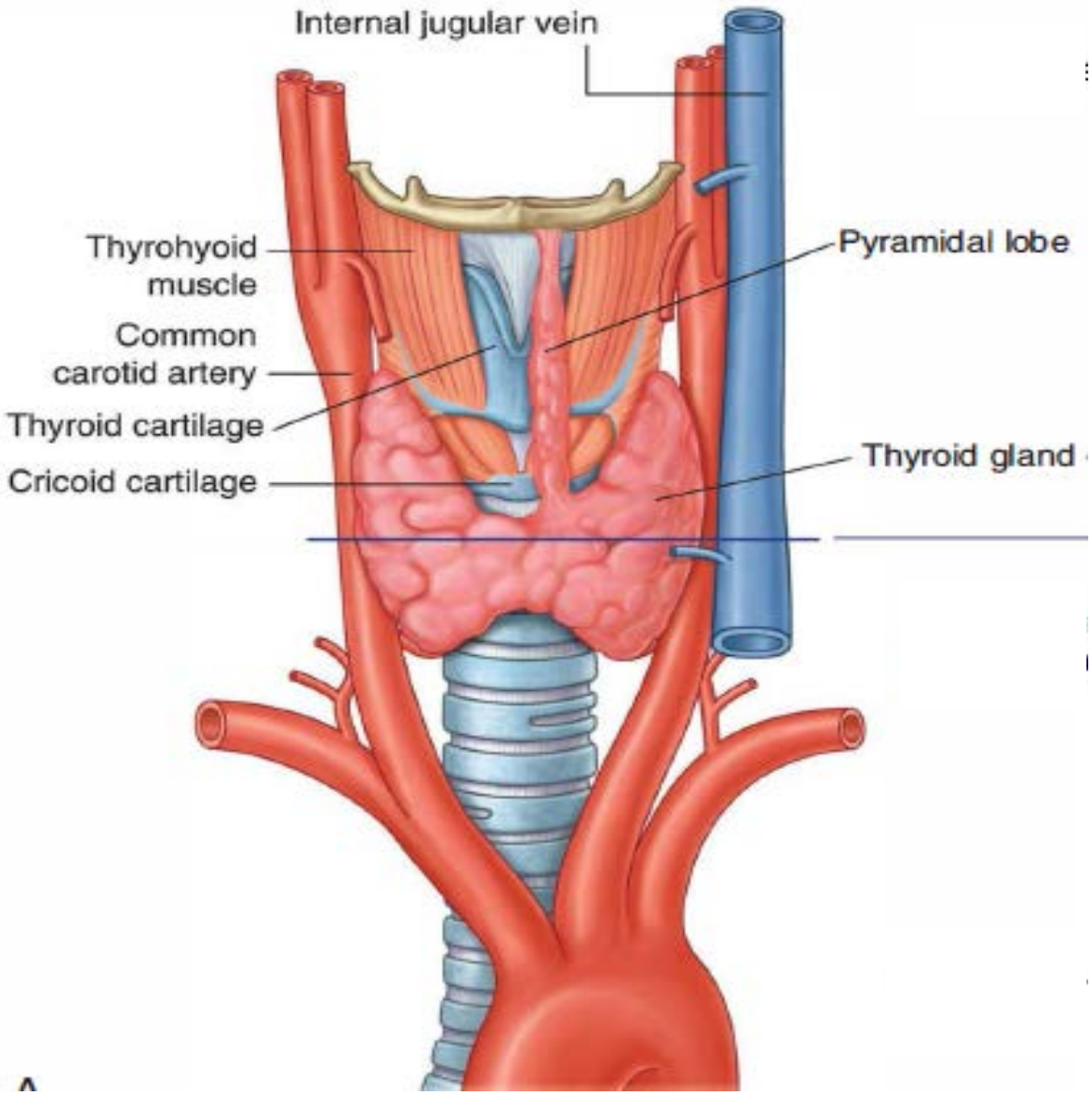
Lat. = antero lateral neck muscles

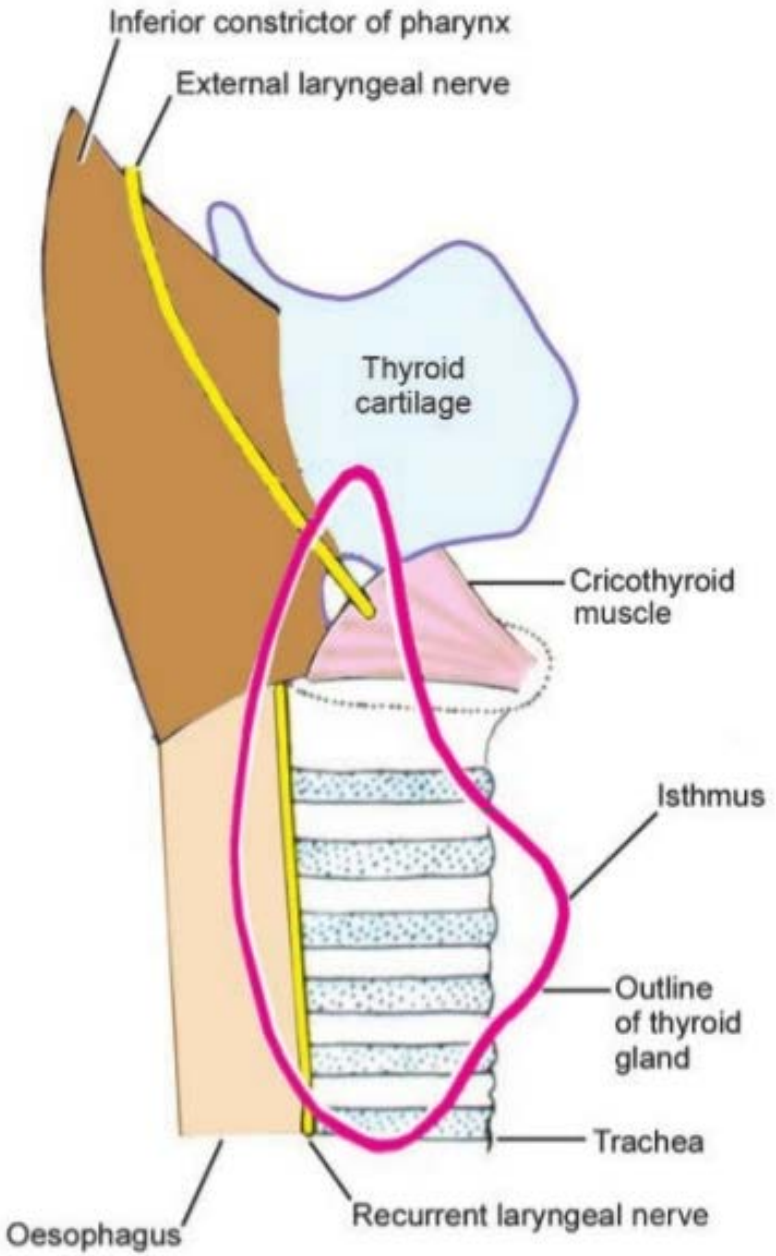
Post. = carotid sheath



46.7: Outline of the thyroid gland as seen from the front, and its relationship to the larynx and trachea


Hyoid bone
Thyrohyoid membrane
Thyroid notch
Thyroid cartilage
Thyroid prominence
Cricothyroid
Cricoid cartilage
Right lobe of thyroid gland
Isthmus of thyroid gland
Trachea
Pharyngeal raphe
Inferior constrictor
Cricopharyngeus
Superior parathyroid gland
Esophagus
Left lobe of thyroid gland
Right lobe of thyroid gland
Inferior parathyroid gland
Trachea


Internal jugular vein
Thyrohyoid muscle
Common carotid artery
Thyroid cartilage
Cricoid cartilage
Pyramidal lobe
Thyroid gland
A



46.9A: Medial relations of the thyroid gland. The outline of the gland is shown in pink line

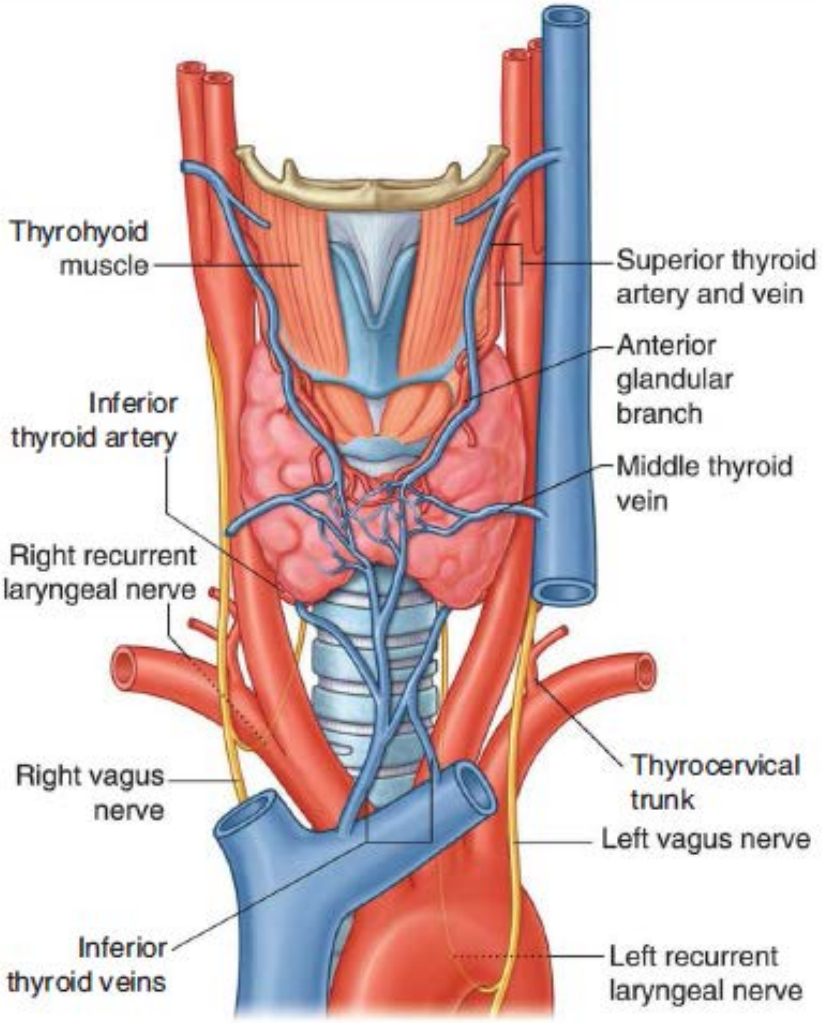


Fig. 8.175 Vasculature of the thyroid: anterior view.

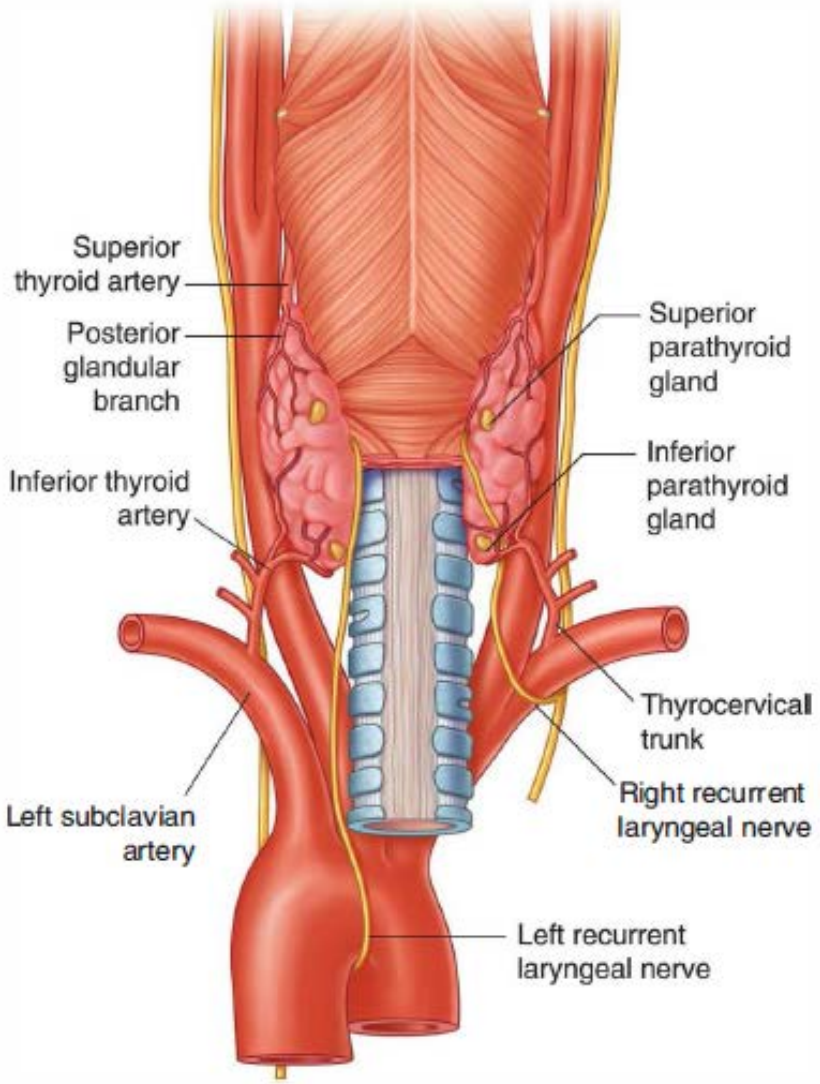
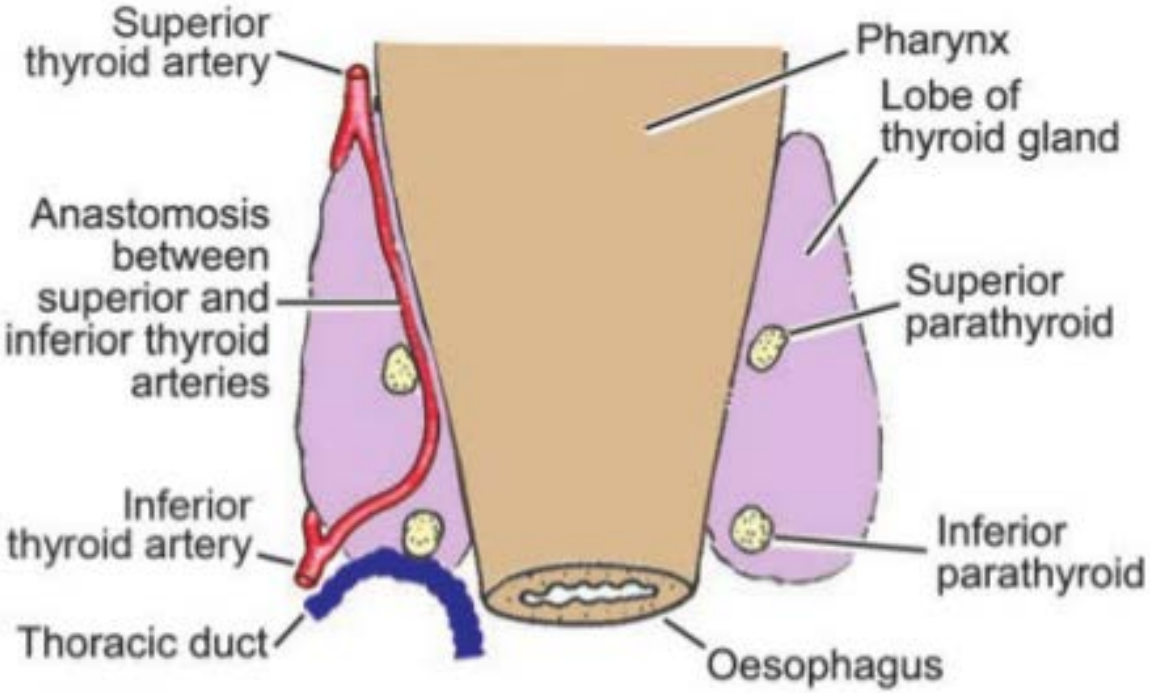


Fig. 8.176 Superior and inferior thyroid arteries and left and right recurrent laryngeal nerves: posterior view.

Parathyroid gland

- 50 mg
- Located on post. Border of thyroid gland
- Consist of 4 glands



46.10: Thyroid and parathyroid glands seen from behind

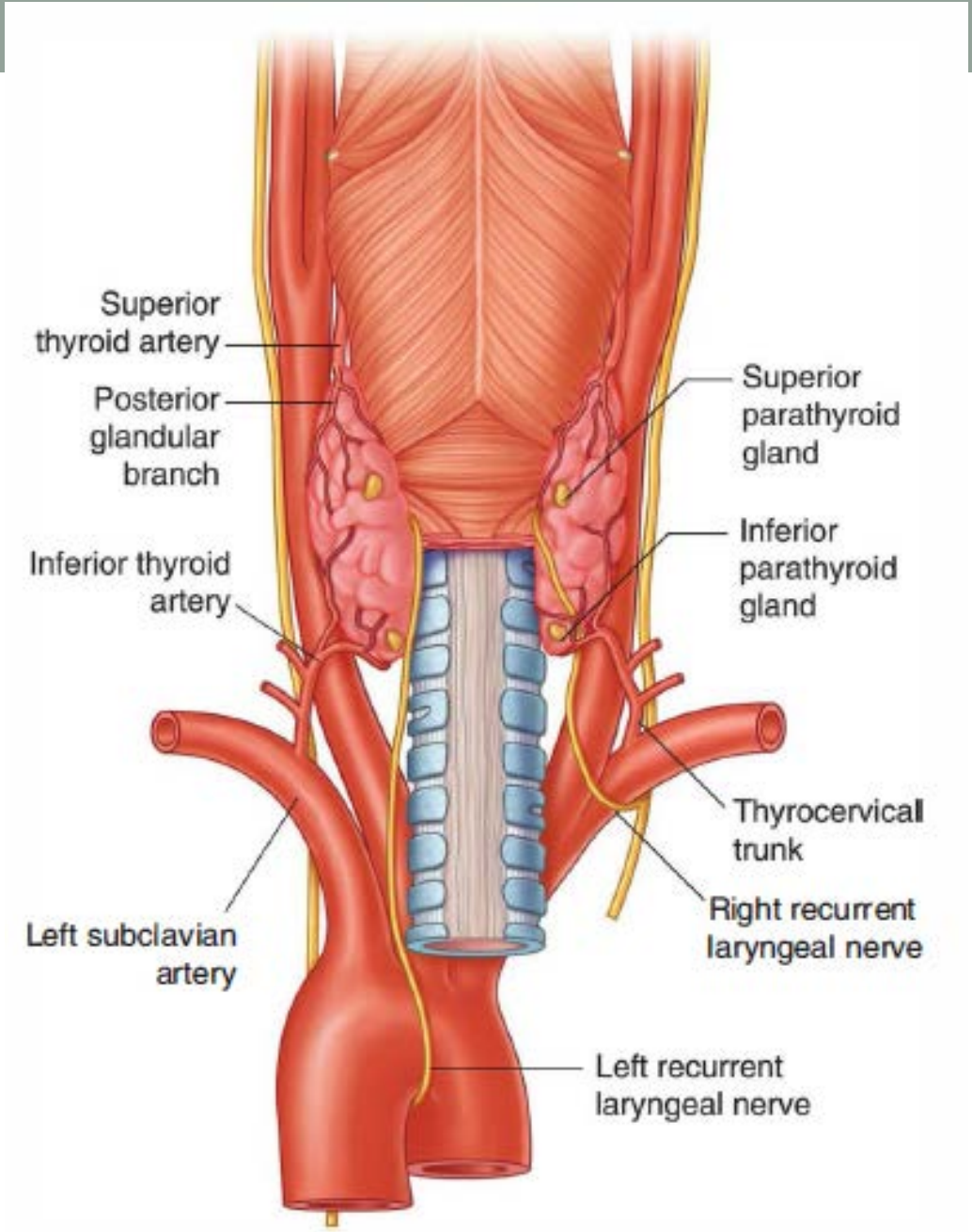


Fig. 8.176 Superior and inferior thyroid arteries and left and right recurrent laryngeal nerves: posterior view.

Suprarenal glands

Located on superior pole of kidney

Cover by renal fascia

Rt. Adrenal gland = pyramid shape

Lt. adrenal gland = arcuat shape

Consist of =

Cortex = yellow

Medulla = brown

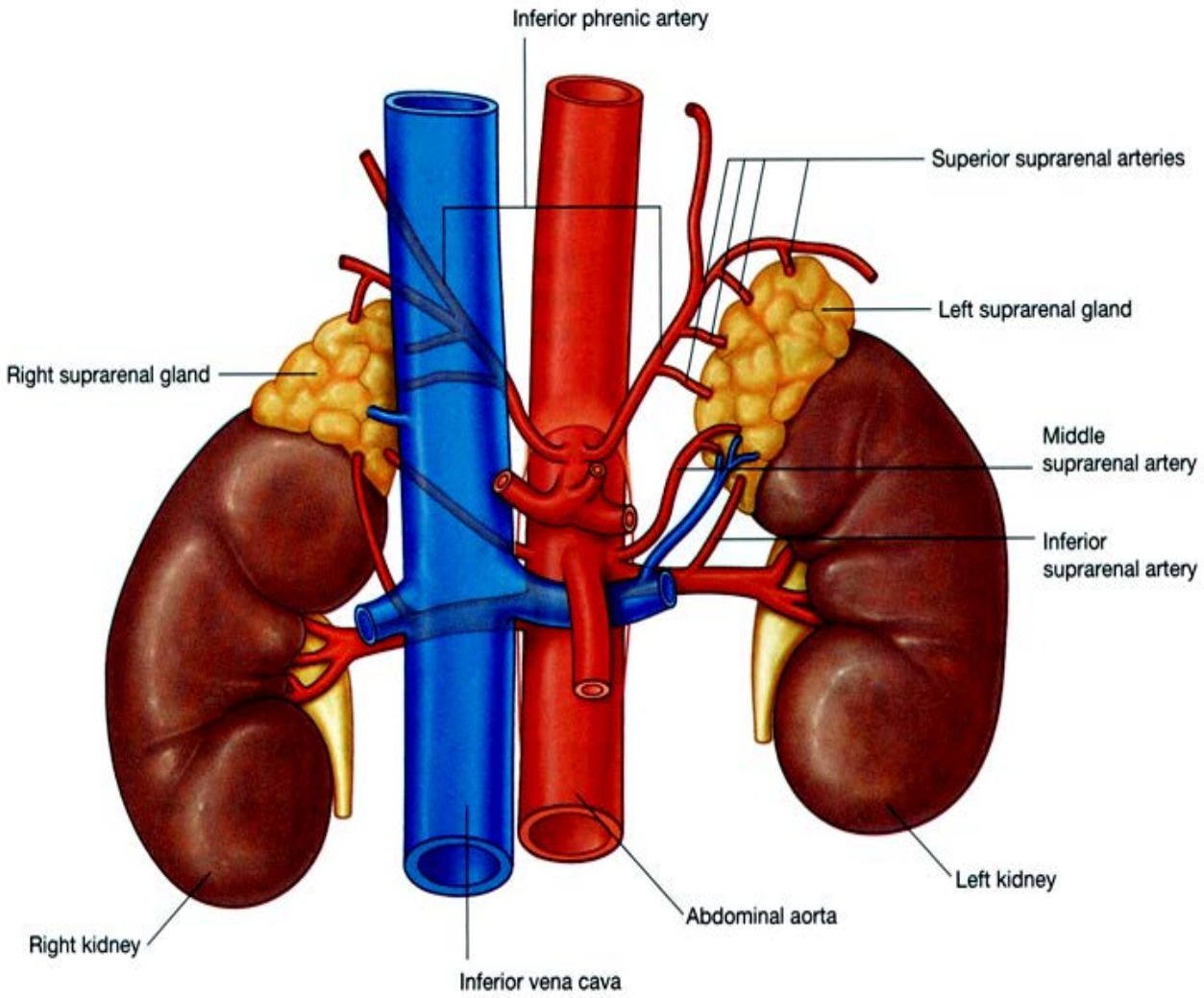
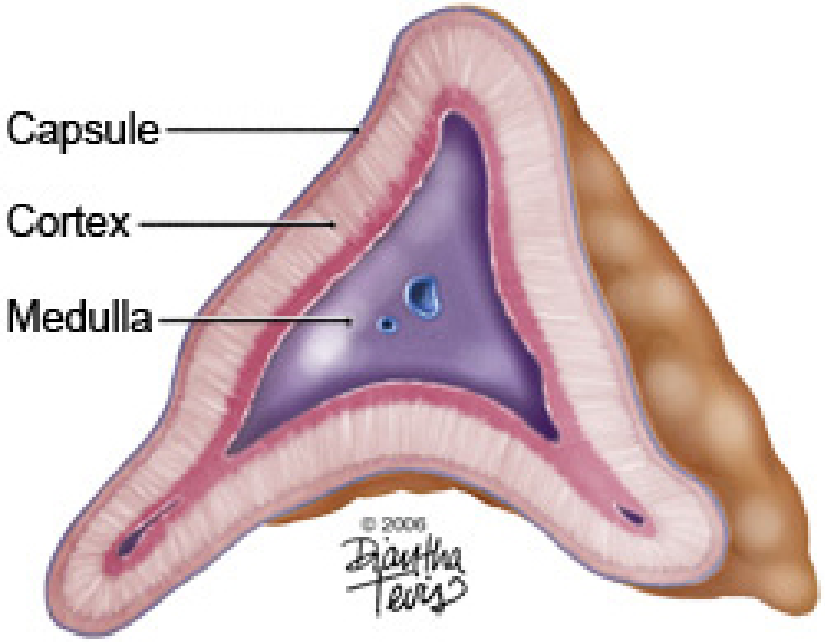
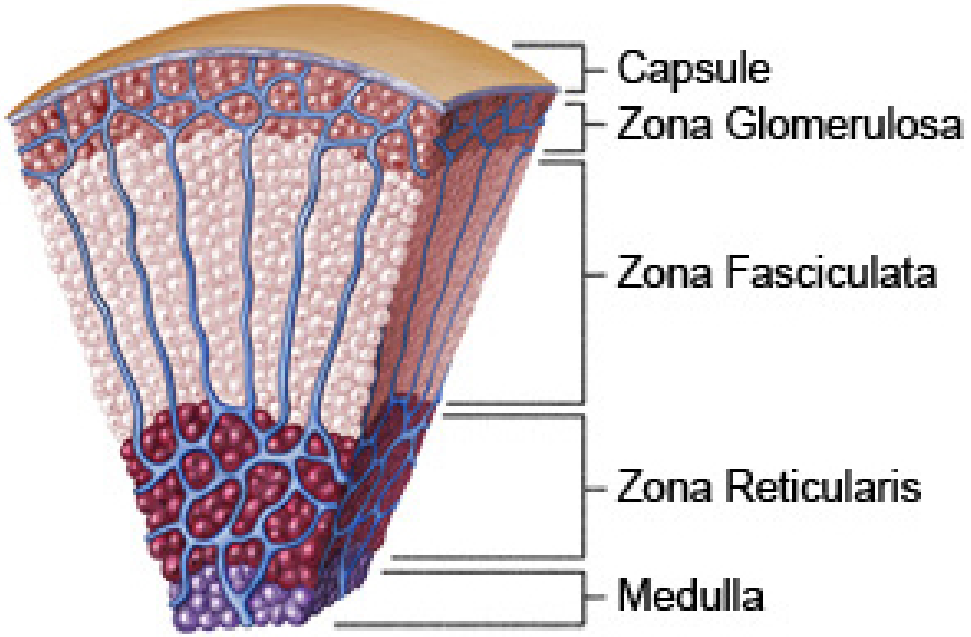


Figure 2: Adrenal Gland Cross Sections

Transverse Section



Microscopic Section