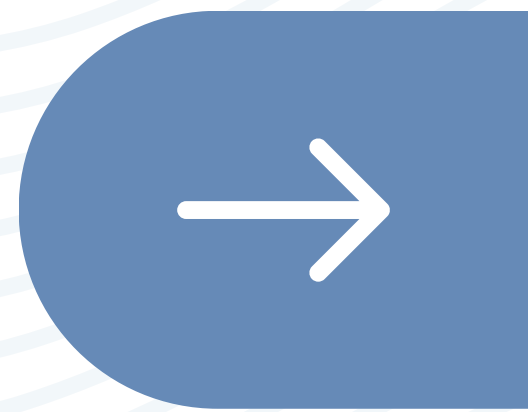


#DIBS BY NEXTILLO

DAILY INFORMATION BULLETIN SERVICE

THYROID GLAND





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DAILY INFORMATION BULLETIN SERVICE

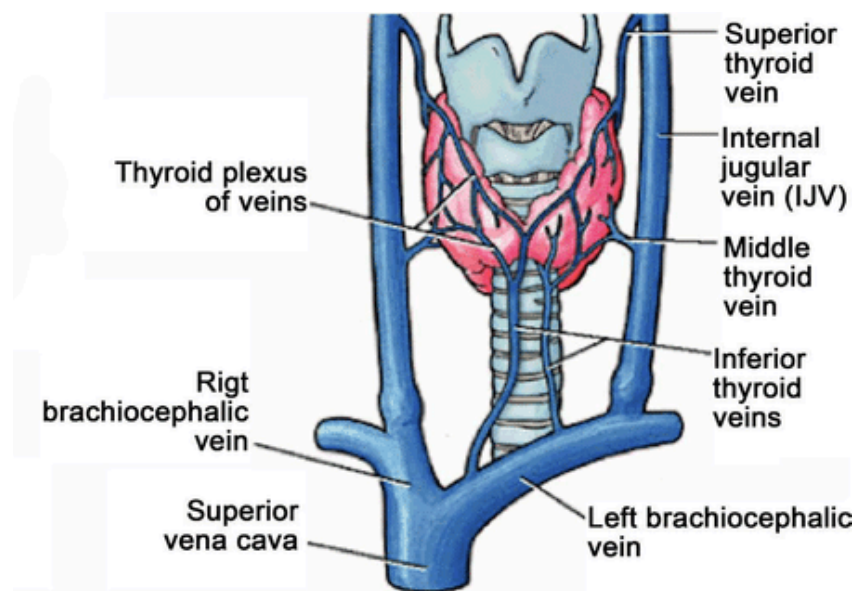
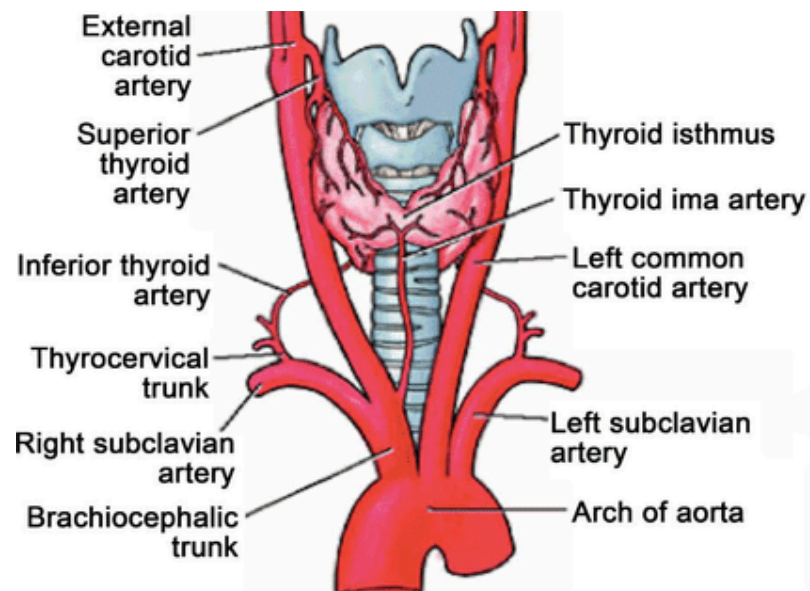
THYROID GLAND

The thyroid is an endocrine gland. Its location is in the inferior, anterior neck, and it is responsible for the formation and secretion of the thyroid hormones as well as iodine homeostasis within the human body.





VISUAL REPRESENTATION





THYROID GLAND

VENOUS DRAINAGE

- *Superior and Middle Thyroid Veins: Drains into tributaries of the internal jugular vein.*
- *4th Vein of Kocher: If present, contributes to venous drainage.*
- *Inferior Thyroid Vein: Empties into the brachiocephalic vein.*
- *Internal Jugular Tributary: Superior and middle thyroid veins drain into this vessel.*
- *Brachiocephalic Tributary: Inferior thyroid vein directly drains into the brachiocephalic vein.*



THYROID GLAND

ARTERIAL SUPPLY

- *Superior Thyroid Artery: Originates from the external carotid artery.*
- *Inferior Thyroid Artery: Arises from trunk, a part of the subclavian artery.*
- *Arteria Thyroidea Ima: Originates from the brachiocephalic trunk or the arch of aorta.*
- *External Carotid Origin: Superior thyroid artery arises from the external carotid artery.*
- *Subclavian Origin: Inferior thyroid artery branches from the thyrocervical trunk, part of the subclavian artery.*



THYROID GLAND

OVERVIEW

- *Dual Venous Drainage: Superior thyroid veins drain into the internal jugular vein, while the inferior thyroid vein directly enters the brachiocephalic vein.*
- *Diverse Arterial Sources: Superior thyroid artery from the external carotid artery, inferior thyroid artery from the thyrocervical trunk, and arteria thyroidea ima from the brachiocephalic trunk or aortic arch.*
- *Ensures optimal blood supply and drainage for thyroid hormone production.*





MCQ

Question: Which artery originates from the external carotid artery and supplies the thyroid gland?

- A) Inferior Thyroid Artery
- B) Thyroid Ima Artery
- C) Superior Thyroid Artery
- D) Vertebral Artery

Answer: C) Superior Thyroid Artery

