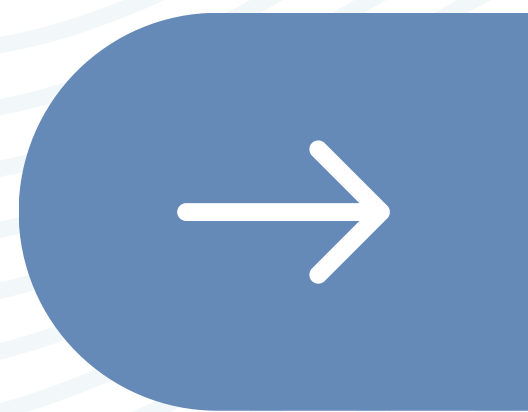


#DIBS BY NEXTILLO

DAILY INFORMATION BULLETIN SERVICE

NERVES OF LARYNX





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NERVES OF LARYNX

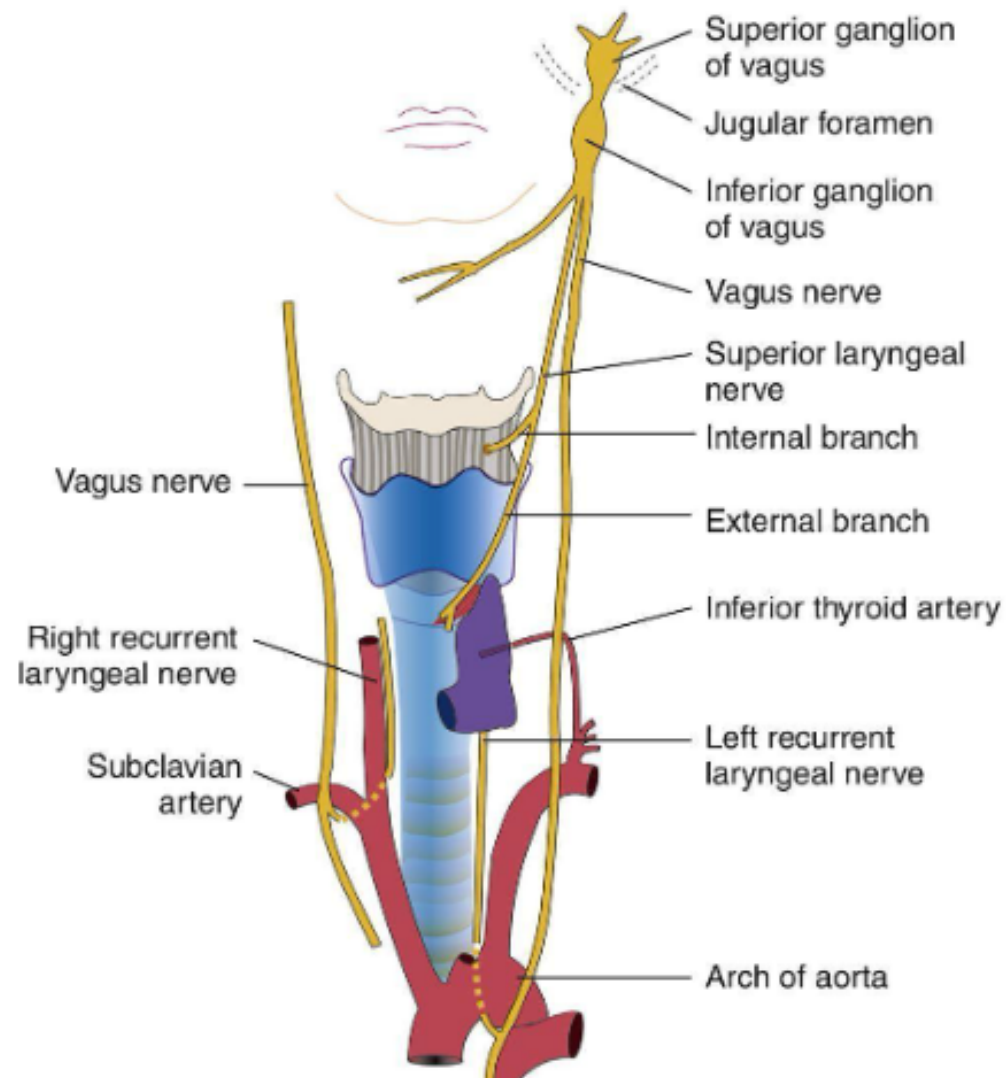
The *vagus nerve* is the large nerve that supplies the many branches of nerves that innervate the larynx.

The *superior laryngeal nerve*, its external and internal branches, and the *recurrent laryngeal nerve* all have very distinct roles in motor and sensory innervation of the larynx.





NERVES OF LARYNX





NERVES OF LARYNX

- *The illustration depicts the anatomical pathways and structures related to laryngeal nerve anatomy*
- *the image provides a comprehensive overview of laryngeal nerve anatomy and its clinical relevance*
- *Rare nonrecurrent laryngeal nerves pose a higher surgical injury risk.*
- *Human communicating nerve links external branch and recurrent laryngeal ner*
- *RLN is highly vulnerable during thyroid surgeries, necessitating careful identification*



VAGUS NERVE MAIN BRANCHES

Divides into superior and recurrent laryngeal nerves.

Terminal Branches: Supplies various structures within the larynx.

Internal Laryngeal Nerve: Provides sensory innervation above vocal folds.

Superior Laryngeal Nerve: Comprises internal and external laryngeal branches.

External Laryngeal Nerve: Motor supply to the cricothyroid muscle.



SUPERIOR LARYNGEAL NERVE

Motor Supply: *Innervates the cricothyroid muscle for vocal pitch adjustment.*

Sensory Supply: *Covers the mucosa above the vocal folds.*

Internal Laryngeal Branch: *Gives sensory innervation to upper laryngeal structures.*

External Laryngeal Branch: *Controls the cricothyroid muscle's motor function.*

Role: *Regulate both sensory and motor functions in the larynx.*



RECURRENT LARYNGEAL NERVE

Sensory Branch: *Supplies sensory fibers to mucosa below the vocal folds.*

Motor Branch: *Controls all intrinsic muscles of the larynx, excluding cricothyroid.*

Role: *Essential for vocal cord movement, voice production, and airway protection.*

Innervation: *Extends to intrinsic muscles, contributing to laryngeal control.*

Mucosal Supply: *Regulates sensation and protection of the lower larynx mucosa.*





MCQ

Question:

Which branch of the Vagus nerve is responsible for motor supply to the cricothyroid muscle?

- A) Internal Laryngeal Nerve*
- B) External Laryngeal Nerve*
- C) Superior Laryngeal Nerve*
- D) Recurrent Laryngeal Nerve*

Answer: B) External Laryngeal Nerve