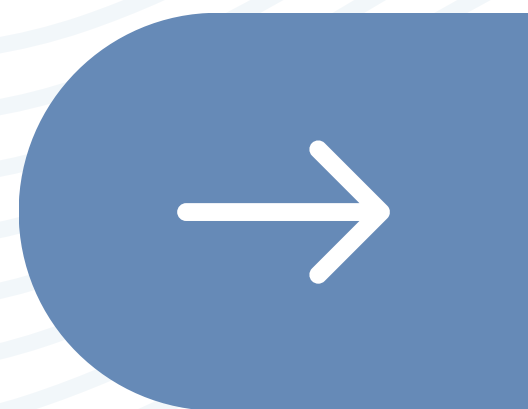


#DIBS BY NEXTILLO

DAILY INFORMATION BULLETIN SERVICE

DEVELOPMENT OF LARYNX





#DIBSBYNEXTILLO

DAILY INFORMATION BULLETIN SERVICE

DEVELOPMENT OF LARYNX

Development of larynx starts-> appearance of Arytenoid swellings on both sides of the Respiratory diverticulum.

- *The mesenchyme->paired arytenoid swellings.*
- *Laryngeal cartilages and muscles originates from the forth and sixth branchial arches.*

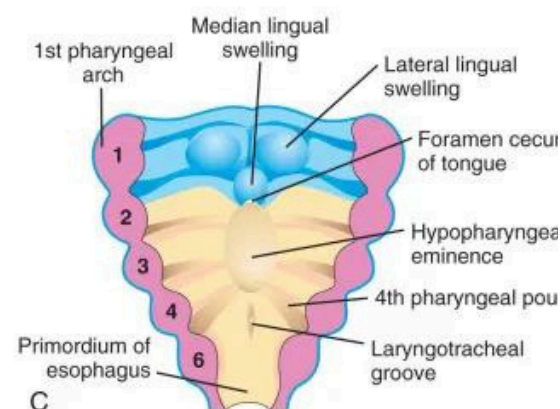
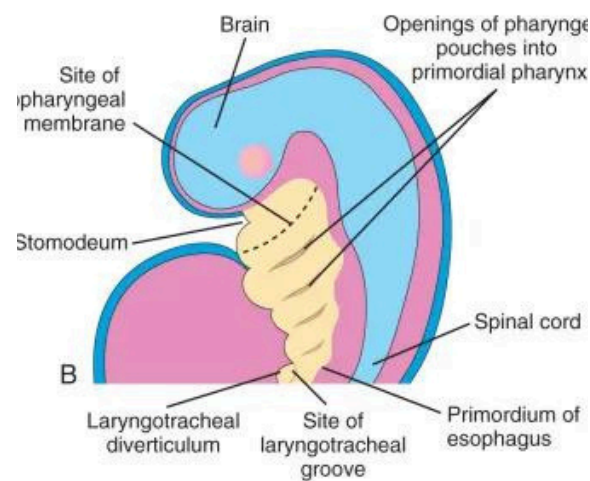




VISUAL REPRESENTATION



The pharyngeal arches are indicated.





DEVELOPMENT OF LARYNX

CARTILAGE AND MUSCLE OF LARYNX

- *Originate from mesenchyme of 4th & 6th pharyngeal arches*
- *Mesenchyme proliferate rapidly*
- *laryngeal cartilages like-> thyroid, cricoid and arytenoid*

NERVE SUPPLY OF LARYNX

- *By nerve of 4th & 6th Pharyngeal Arches*
- *- >vagus nerve.*
- *superior laryngeal nerve supply derivatives of 4th pharyngeal Arch*
- *Recurrent laryngeal nerve innervates derivative of 6th pharyngeal Arch.*



DEVELOPMENT OF LARYNX

INTERNAL LINING OF LARYNX

- *Originates from Endoderm*
- *This lining epithelium proliferates rapidly & temporarily close the lumen of the Larynx*
- *Then vacuolization & recanalization occur*
- *As a result a pair of lateral recesses (space) formed, called Laryngeal ventricle.*
- *These recesses are bounded by folds of tissue called Vestibular fold & vocal fold, that form false and true vocal cord respectively.*





MCQ

Question: Which embryological structure develops into epiglottis?

- A** 2nd arch
- B** 4th pharyngeal pouch
- C** 3rd arch
- D** Hypobranchial eminence

Answer: D) hypobranchial eminence

