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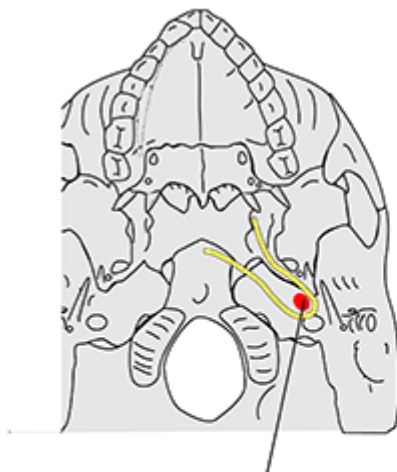
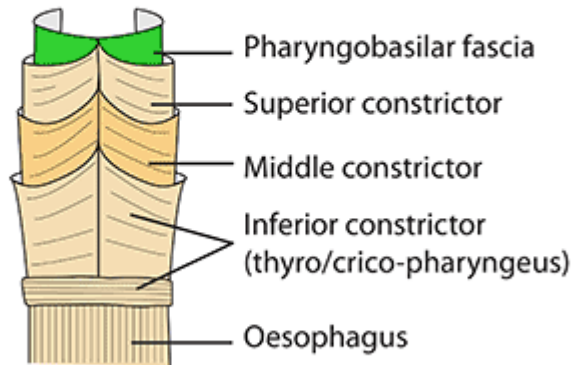
PHARYNX

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PHARYNX - CARTOON OF MUSCLES & PHARYNGOBASILAR FASCIA

CARTOON
OF MUSCLES
OF PHARYNX

LIKE 4
STACKED
CUPS



Levator palati

PHARYNGOBASILAR FASCIA

(a rigid membrane with cartilage of auditory tube passing just above it. Shown in yellow)

Arises: Pharyngeal tubercle, back of foramen lacerum, petrous temporal anterior to carotid foramen, cartilage of auditory tube, medial pterygoid plate, pterygoid hamulus then across to opposite side

Lower border: Junction of hard and soft palates (Passavant's ridge)

Note: Levator palati arises within pharynx

PHARYNX - MUSCLES & STRUCTURES ENTERING IT

Superior constrictor

Between superior & middle constrictors are:

1. Glossopharyngeal nerve (IX)
2. Stylopharyngeus (IX)
3. Stylohyoid ligament
4. Lingual nerve (Vc)

Middle constrictor

Between middle & inferior constrictors are:

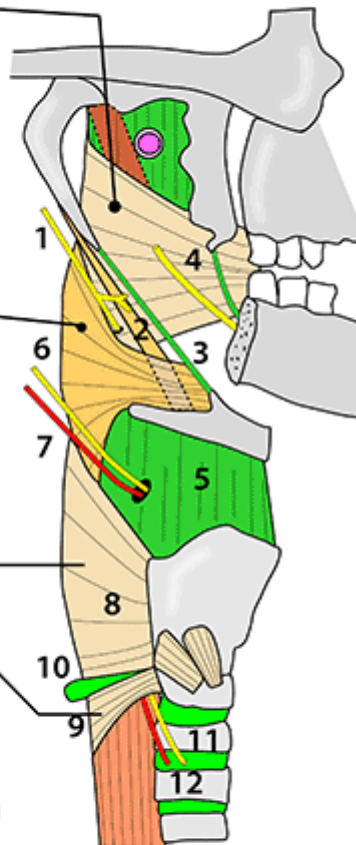
5. Thyrohyoid membrane pierced by:
6. Internal laryngeal nerve
7. Superior laryngeal vessels

Inferior constrictor

(Thyropharyngeus (8) is upper part that behaves like the other constrictors, closing on swallowing. Cricopharyngeus (9) is lower part - a sphincter that opens on swallowing. Between 2 parts is potential pharyngeal pouch (Dehiscence of Killian) (10))

Below inferior constrictor and passing upwards are:

11. Recurrent laryngeal nerve
12. Inferior laryngeal vessels

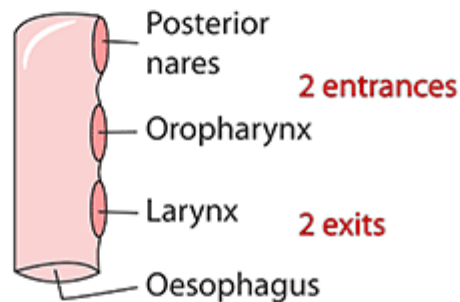


For more details & illustrations, please see relevant section in the book - Instant Anatomy, by R H Whitaker & N R Borley. 4th edition. Wiley-Blackwell 2010

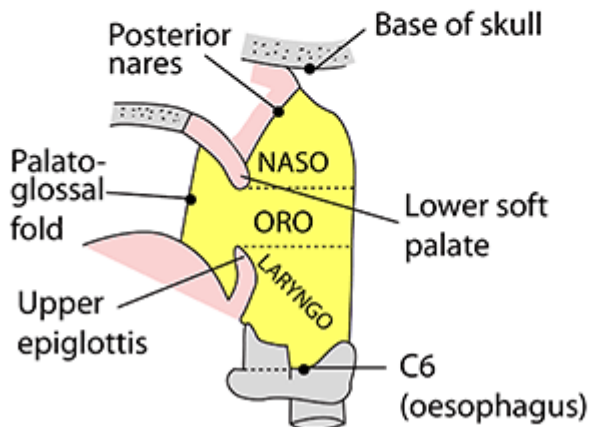
PHARYNX - DIVISIONS

- 5" (13cm) long fibromuscular tube
- Suspended from skull & lies anterior to prevertebral fascia
- Extends from nose to C6 (oesophagus)
- Like a mask applied to back of face
- Walls are mucous membrane, fibrous submucosa, muscle & thin buccopharyngeal fascia
- Muscles are:
 - 3 constrictors
 - Stylopharyngeus, palatopharyngeus, salpingopharyngeus
 - Note: levator palati is wholly intra-pharyngeal

CARTOON
OF PHARYNX

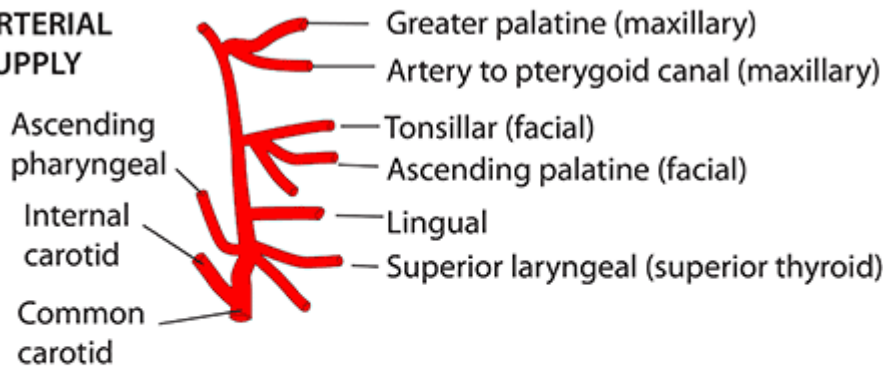


3 PARTS OF THE PHARYNX



PHARYNX - VESSELS & NERVES

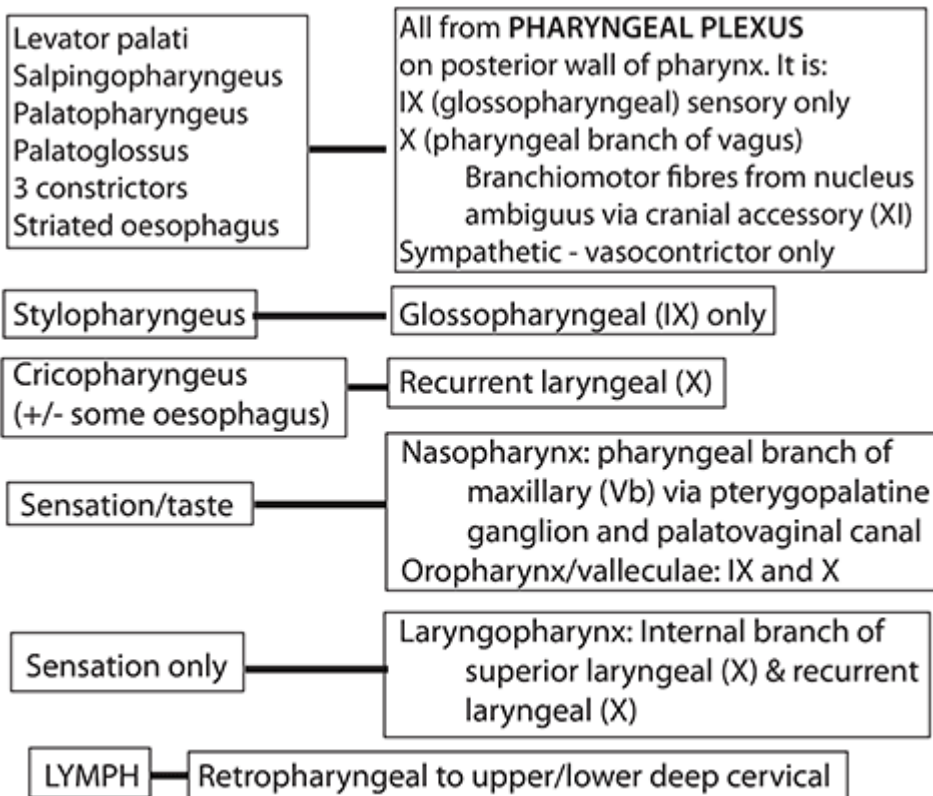
ARTERIAL SUPPLY



VENOUS DRAINAGE

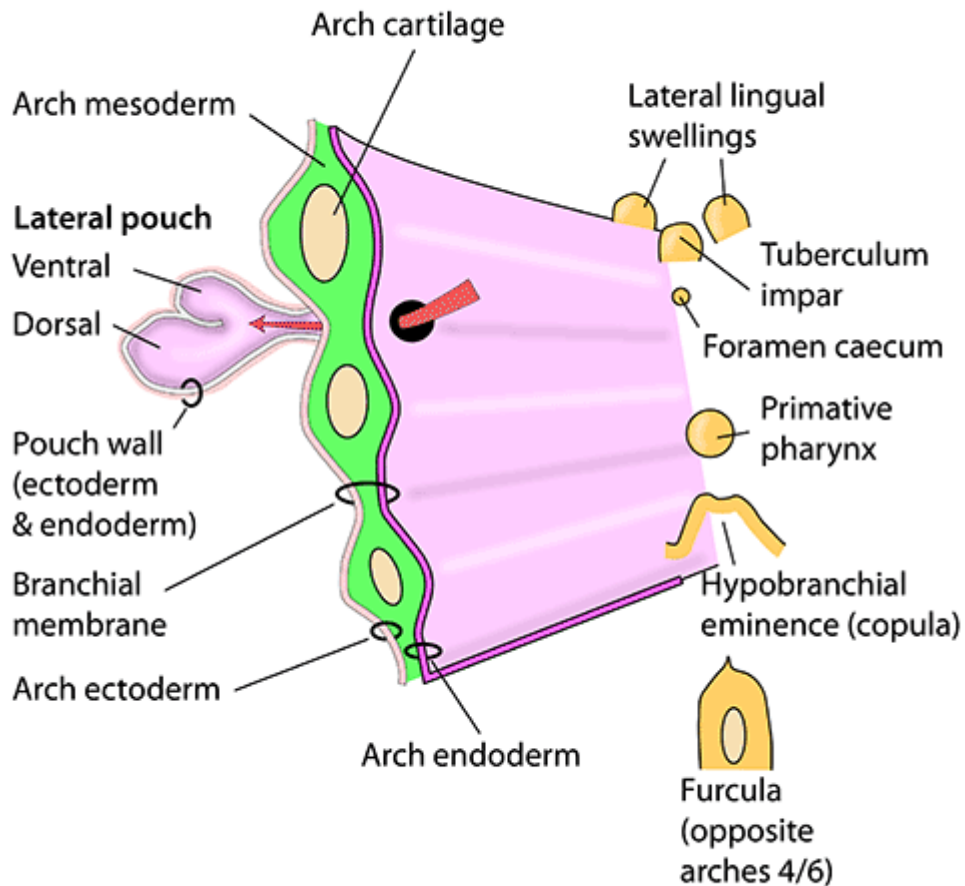
Plexus on middle constrictor draining to:
Pterygoid plexus
Internal jugular vein
Lower pharynx to inferior thyroid veins

NERVE SUPPLY



DEVELOPMENT

PHARYNGEAL (BRANCHIAL) DERIVATIVES



For more details listen to podcast CD on embryology

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