

NAME : AQSA SHOAIB
ID : 14967
DISCIPLINE :RADIOLOGY 4RTH
ASSIGNMENT : ANATOMY
SUBMITTED TO : SIR WAQAS

QUESTION No # 1

Write about pharynx?

ANSWER :

PHARYNX :

- fibromuscular tube lined with mucous membrane.
- Extend from base of skull to lower border of cricoid cartilage (c_6).
- 12 _14 cm long.
- At lower border of cricoid continuous with esophagus.
- Passage for respiratory and digestive tracts.

REGION OF PHARYNX :

The walls of the pharynx are attached anteriorly to the margins of the nasal cavities, oral cavity and larynx.

SUBDIVISION:

subdivision into three regions having opening of :

- **Nasopharynx :** posterior apertures (choanae) of the nasal cavities.
- **Oropharynx :** posterior opening of the oral cavity (oropharyngeal isthmus).
- **Laryngopharynx:** superior aperture of the larynx (laryngeal inlet) opens.

PHARYNGEAL WALL :

- formed by skeletal muscles and by fascia.
- Gaps between the muscles are reinforced by the fascia.
- Organised into two groups based on the orientation of muscle fibers.

Constrictor muscle :

Circular : superior, middle and inferior.

Longitudinal muscle :

Vertical : stylopharyngeus, salpingopharyngeus, palatopharyngeus.

ARTERY SUPPLY :

upper part :

- The ascending pharyngeal artery.
- The ascending palatine and tonsillar branches of the facial artery.
- Numerous branches of the maxillary and the lingual arteries.

Lower parts :

- Pharyngeal branches from the inferior thyroid artery.

QUESTION No # 2

Write about Esophagus?

ANSWER No 2

ESOPHAGUS :

- Esophagus is a tubular structure about 10 in to 25 cm.
- Continuous above the laryngeal part of the pharynx opposite the sixth cervical vertebra.
- It passes through the esophageal hiatus of the diaphragm at the level of the 10th thoracic vertebra to join the stomach.

Relations :

- **Anteriorly** : The trachea and the left recurrent laryngeal nerve, the left principal bronchus, which constricts it ; and the pericardium, which separates the esophagus from the left atrium.
- **Posteriorly** : The bodies of the thoracic vertebrae, the thoracic duct, the azygos veins, the right posterior intercostal arteries, and at its lower end, the descending thoracic aorta.
- **Right side** : the mediastinal pleura and the terminal part of the azygous vein.
- **Left side** : The left subclavian artery, the aortic arch, the thoracic duct, and the mediastinal pleura.

Blood supply :

Upper third : it supplied by the inferior thyroid artery.

Middle third : supply by esophageal branches from the descending thoracic aorta.

Lower third : supply by the branches from the left gastric artery.

THE END.