

Anatomy ML2 Lecture Summary

Topic	Aspect	Details
Pharynx	Location	Behind nose, mouth, and larynx; extends from skull base to C6
Pharynx	Shape	Funnel ,open anteriorly “u” shaped
Pharynx	Parts	Nasopharynx Oropharynx , Laryngopharynx
Pharynx	Main Muscles	3 circular constrictors (superior, middle, inferior), Innervation by pharyngeal plexus 3 longitudinal (stylopharyngeus, salpingopharyngeus, palatopharyngeus)
Pharynx	Important Muscle	Cricopharyngeus (acts as sphincter, part of inferior constrictor)
Pharynx	Weak Spot	Killian’s dehiscence (between inferior constrictor & cricopharyngeus)
Pharynx	Sensory Innervation	-V2 maxillary n (nasopharynx), -CN IX glossopharyngeal Nerve (oropharynx), - Internal laryngeal (CN X vagus n for laryngopharynx)
Palatine Tonsils	Location	Between palatoglossal & palatopharyngeal arches (oropharynx)
Palatine Tonsils	Structure	Lymphoid tissue, mucosa-covered, crypts, fibrous capsule
Palatine Tonsils	Blood Supply	Tonsillar branch of facial artery + others
Palatine Tonsils	Nerve Supply	Glossopharyngeal nerve (CN IX)
Palatine Tonsils	Lymph Drainage	Upper deep cervical lymph nodes
Palatine Tonsils	Clinical	Tonsillitis, potential post-op bleeding, part of Waldeyer’s ring
Waldeyer’s Ring	Components	Pharyngeal tonsil, Tubal

		tonsil, Palatine tonsil, Lingual tonsil
Waldeyer's Ring	Function	Lymphatic ring guarding entrances to digestive & respiratory tracts
Palate	Parts	Hard palate (bony) & Soft palate (muscular)
Hard Palate	Bones	Palatine process (maxilla) + Horizontal plate (palatine bone)
Soft Palate	Structure	Mucosa, muscles, palatine aponeurosis
Soft Palate	Muscles	Tensor veli palatini, Levator veli palatini, Palatoglossus, Palatopharyngeus, Musculus uvulae
Soft Palate	Muscle Innervation	Pharyngeal plexus (all but Tensor veli palatini = V3 Nerve to medial pterygoid from stem of mandibular nerve)
Palate	Blood Supply	Greater palatine (maxillary), ascending palatine (facial), ascending pharyngeal
Palate	Innervation	Greater/lesser palatine nerves, nasopalatine, glossopharyngeal
Palate	Lymph Drainage	Deep cervical lymph nodes