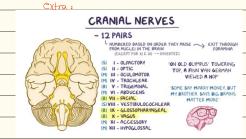
* structure orf lip _____ Internal surface ___ (non ketratinized 5.9.) labial glands. + structure of tongue _ Dorsal surface _ (Pora ker. 59) Minor Salivony glands + n n - Ventral portion - (non trer. sq) Lingual glaunds. + plalate __ palatine glands. * <u>Circumvallate papillae</u> <u>jateral sides</u> Von Ebners gland (serars, begin lipid hydrolysis) + formed in , Foliste popullae (2:, half auxily lack) - the only give serous * all of them (except Von.E) give mucous X Accessory solivery gland: small, micro. scattered in CT of oral mm. => socret sailing 10% Conchart rate. => secreation mainly mucous.

onet 2/3 _ Contain popullae		the	
post V	13 contribut provide topolitic		fongue
Dorsa	Ventral		
* Para-ker. s.g. Primly	* Non ker. s.g. atta	ched	
attached to the CT.	loosly attacked to	CT.	
* papillae (ant <u>z</u>)	+ No popillae.	Filiform papilla	Fungiform papilla
* Minor Salivary glands	* lingual plands		
* papillae		Prof Dr Hala Elmazar	12

Key Features	Location	Taste Buds	Epithelium	Shape	Papillae Type
Numerous; mechanical function.	Anterior 2/3 of tongue	None	Keratinized stratified squamous	Conical	Filiform Papillae
Highly vascular; red color due to many blood vessels in underlying connective tissue.	Anterior 2/3 of tongue	Present (superior surface)	Non-keratinized stratified squamous	Mushroom-shaped	Fungiform Papillae
Largest; surrounded by groove (trench); contains Von Ebner's glands for lipid hydrolysis.	Front of sulcus terminalis	Present (lateral sides)	Non-keratinized stratified squamous	Circular	Circumvallate Papillae
Separated by grooves; high risk for oral cancer.	Sides of tongue	Present	Non-keratinized stratified squamous	Short vertical folds	Foliate Papillae

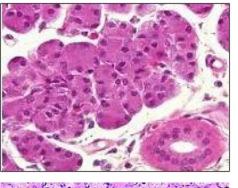
	These cells contain (G-protein-coupled receptors)that bind with specific taste molecules • Type II undergo signal transduction & release neurotransmitters which are then communicate with type III cells
Structure of the taste bud	 3- Type III (presynaptic cells) • Type III are involved in transmitting taste information to the brain • These cells have synaptic vesicles and form synaptic connections with afferent fibers
4- The basal cells found at the base of taste bud act as a stem cells for regeneration other types Type I, II & III	• They responsible for transmitting signals from type II cells to the afferent fibers of cranial nerves (VII, IX or X)

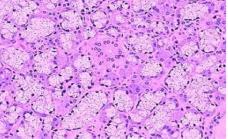
(Type II & Type III are the neuroepithelium of taste buds) The average lifespan of a taste bud is 10-14 days

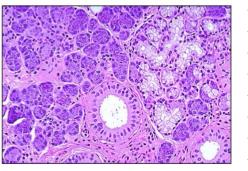


* Coated tongue : depris builds upon it. - delay revewal of kerafinized area (white Longue) on the Jorsal surface. - accumulation at bacteria and inflamenti

* Bad over hygine Xerosl-omig Mouth breathing alcohat Jobacco ---







nd	Gland	Composition of Acini	Capsule	Duct Opening	Additional Features
and	Parotid Gland	Pure serous (100%)	Encapsulated	Parotid duct	Produces only serous secretions.
and	Sublingual Gland	Mainly mucous (95%) + serous (5%)	Unencapsulated	10–12 mini ducts	Smallest salivary gland; mixed with serous demilunes.
and	Submandibular Gland	Mixed serous (80%) + mucous (20%)	Encapsulated	Wharton's duct	Produces both serous and mucous secretions.

Done by : Raghad mrayat

اللَّهُمَّ إِنِّي أَعُوذُ بِكَ مِنْ قَلْبٍ لاَ يَخْشَعُ، ومِنْ دُعَاءٍ لاَ يُسْمَعُ، وَمِنْ نَفْسٍ لاَ تَشْبَعُ، وَمِنْ عِلْمٍ لاَ يَنْفَعُ، أَعُوذُ بِكَ مِنْ هَؤُلاَءِ الأَرْبَعِ

