بسم الله الرحمن الرحيم

histo

- التخزين على شكل جدول لتسهيل الحفظ

oral cavity	m.m S.S .ker or non ker	C.T in lamina propria loose	Contain minor salivary glans
gums	S.S ker		
lips (ext surface)	S.S ker	—	contain hair follicls +Sebacous and sweat glands
Lips (int surface)	S.S .non ker	loose	Contains B.V +labial gland
Lips (iside)	—	Fibro-elastic	Contains bundles of Sk. muscles (orbicularis oris)
red margin of lip (vermilion)	—	—	covered with modified Skin (thin, less ker no → hair follicles → sebaceous and sweat gland transparent red due to the reflection of underlying BV + represent the change in the epidermis from highly ker

Face skin to less ker lip skin
+ richly supplied of free nerve endings ∴ it is highly sensitive

tounge (dorsum) — para ker S.S

C.T contains minor salivary gland

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ant $\frac{2}{3}$ contain papillae
Post $\frac{1}{3}$ = Lingual tonsils

(tounges) ventra — non ker S.S

loosely attached to underlying C.T / no papillae
lingual glands are embedded in it's C.T

fliriform papillae

النوع الوحيد مش
papillae ال ON عليه
Ker S.S وهوي
بسبب خشونة اللسان

(لمخروط)
conical shape
- no test buds,
الأكثر عددا

Fungiform
papillae

non ker
S.S

mushroom
Shaped
Very vascular
(red in color)
→ test buds
on sup surface

Circumvallate
papillae

non - ker
S.S

largest, circular
10-15 in number
in front of
Sulcus terminalis
deep in C.T
Contain Von-ebner
gland
(serous, begin
fat hydrolisis)
test buds on
lateral side

Foliate
papillae

non. ker
S.S

Short vertical Fold
→ found on side of
the tounge →
each papilla is
separated by agroove
and Contains many test
buds

this type is at high risk for oral cancer

pharynx

nasopharynx	pseudo stratified columnar ciliated
oropharynx	non. ker. S.S
Laryngopharynx	non. ker. S.S

test buds

1. neuro epi cells → tall columnar → central in position → in base contain vesicles with neurotran and synepes with afferent nerve
2. supporting cells. → tall colummar → form the outer surface of the bud

* the average life of the test buds is 10 days

recognize [illegible] chemo rec [illegible] test buds [illegible]
all testants

minor salivary gland

- lips → Labial
- tounge → lingual
- palate → palatine gland

* Microscopic
* mainly mucous
* % of total secretion

Function of Saliva

- Contain anti microbial agents IgA, lysozyme, lactoferrin that control the bacterial flora of oral cavity
- assist in swallowing
- lubricating + clean
- act as a solvant that stimulate test buds
- Initiating digestion of CH2O + lipids

perenchyma of salivary glands

- secretory acini
- duct

Secretory cells

Non-secretory cells (Basket cells) star shaped

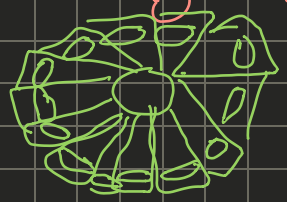
Found between the base of the secretory cells and the basement membrane

] Immunohisto Chemical

Staining for the myofibril within myoepithelial cells

parotid gland is serous gland

Sublingual is mucous gland



larger

wide lumen

tall cells

nuclei are flat and peripheral

pyramided cells → cytoplasmic is baso (basophilic ↑RER)

small

central and rounded nuclei cytoplasmic is baso

narrow lumen

foamy / vacuolated

basophilic ← salivary glands

rich in RER

acidophilic ← ion transporting cells

rich in Mitochondria

(striated) ducts

Sublingual → only unencapsulated

(mixed) 95% + 5%

Submandibular → 80% + 20%