

PAROTID GLAND

- * largest of three pairs of salivary glands.
- * lobulated, yellowish brown and weighs approx 25g

Location

- * in the submandibular fossa. (parotid bed)

Boundaries

Anteriorly: post border of ramus of mandible

Posteriorly: by mastoid process.

Superiorly: ext. acoustic meatus & post part of temporomandibular joint.

Medially: by styloid process

- * lined by muscles

→ Ramus

→ Mastoid process

→ Styloid process.

Parotid Capsule

- * P. gland is enclosed in a fibrous capsule.

- * lined by tough investing layer of deep cervical fascia.

- * the fascia splits b/w angle of mandible and mastoid process to enclose the gland

← superficial
deep lamina

x Superficial lamina is thick, strong, unyielding.
& adherent to gland.

x Deep lamina is thin

→ S. lamina blends with epimysium of masseter to form thick parotidomasseteric fascia attached to parotidomasseteric fascia.

→ D. lamina attached to tympanic plate & styloid process of temporal bone.
; thickens to form stylomandibular lig

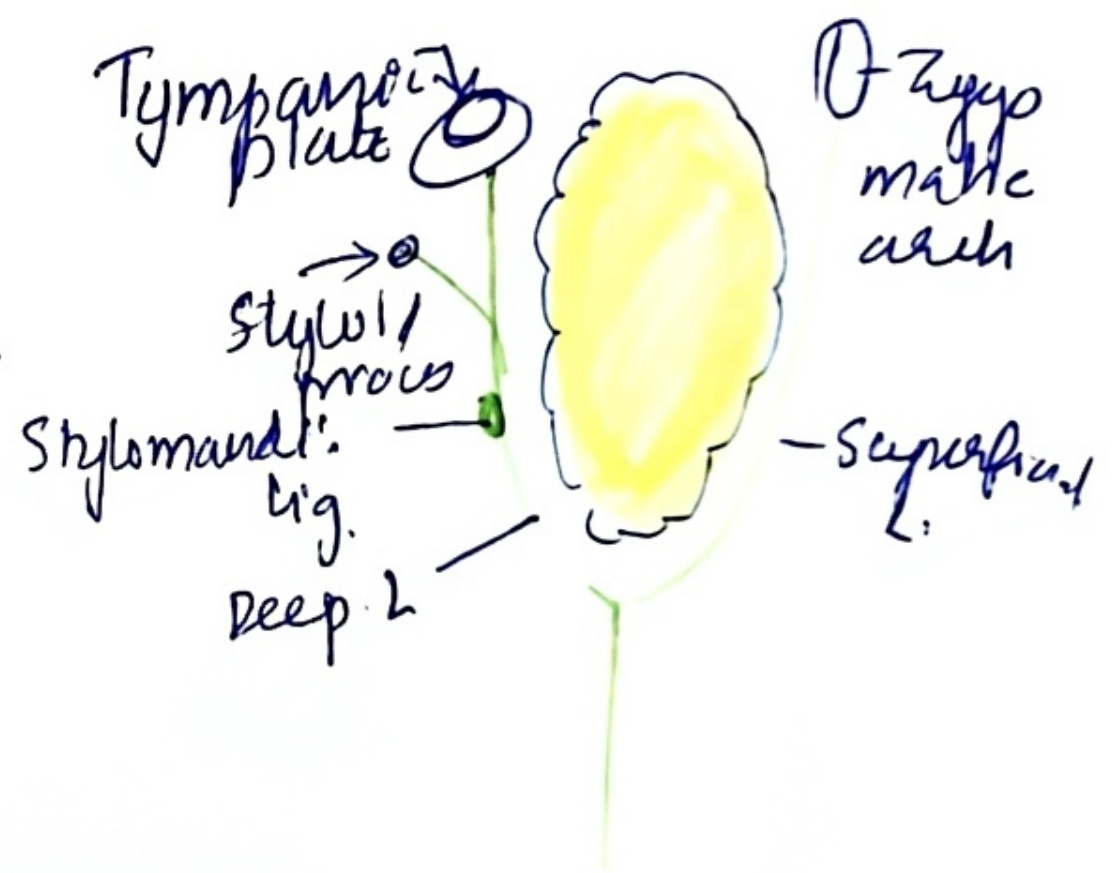
External Features.

x three sided pyramid.

→ Apex

→ Four surfaces.

→ Three borders.



Relations

Apex — projects downwards overlapping the first belly of digastric muscle & adjoining part of carotid triangle.

str emerging

— cervical branch of facial nerve

— Ant & post. divisions of retromandibular vein.

Base.

concern y related to ext acoustic meatus
y post aspect of temporomandibular joint.

str emerging

- Superficial temporal vessels
- Auriculotemporal nerve

Superficial Surface.

Largest of four surfaces. Derived from
superficial to deep by

- Skin
- Superficial fascia.
- Parotid fascia
- Deep parotid lymph node.

Anteromedial surface.

- Masseter
- Medial pterygoid.
- Posterior borders of ramus of
mandible
- Lateral aspect of temporomandibular
joint

Posteromedial surface

- Mastoid process, sternocleidomastoid,
post belly of digastric

→ 'styloid process.

str entering

- x facial nerve trunk in its upper part
- x Ext. carotid artery in its lower part.

Anterior Border

separates superficial from anteromedial surf.

str emerging;

1. Temporal branch.
2. Zygomatic branch.
3. Transverse facial vessels.
4. Upper buccal branch of the facial nerve

} Above
parotid
duct.

5. Parotid duct.

6. Lower buccal branch of facial nerve.

7. Marginal mandibular branch of facial nerve

} Below
P.
duct.

Posterior Border

separates superficial from posteromedial

str. emerging;

Post auricular vessels
Post " branch of facial
nerve

Medial Border

separates anteromedial surface from
posteromedial surface

~~str~~ ~~emerging~~
- related to wall of pharynx.