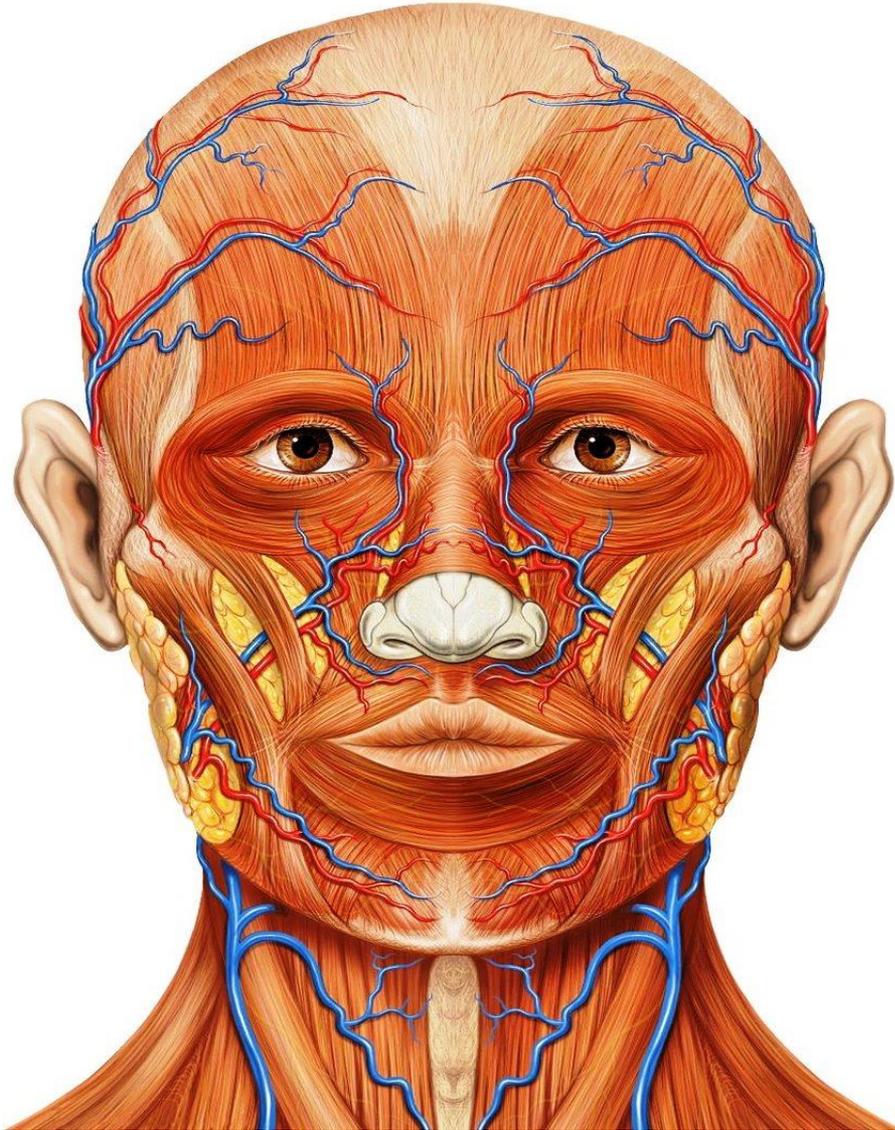


FACE 2



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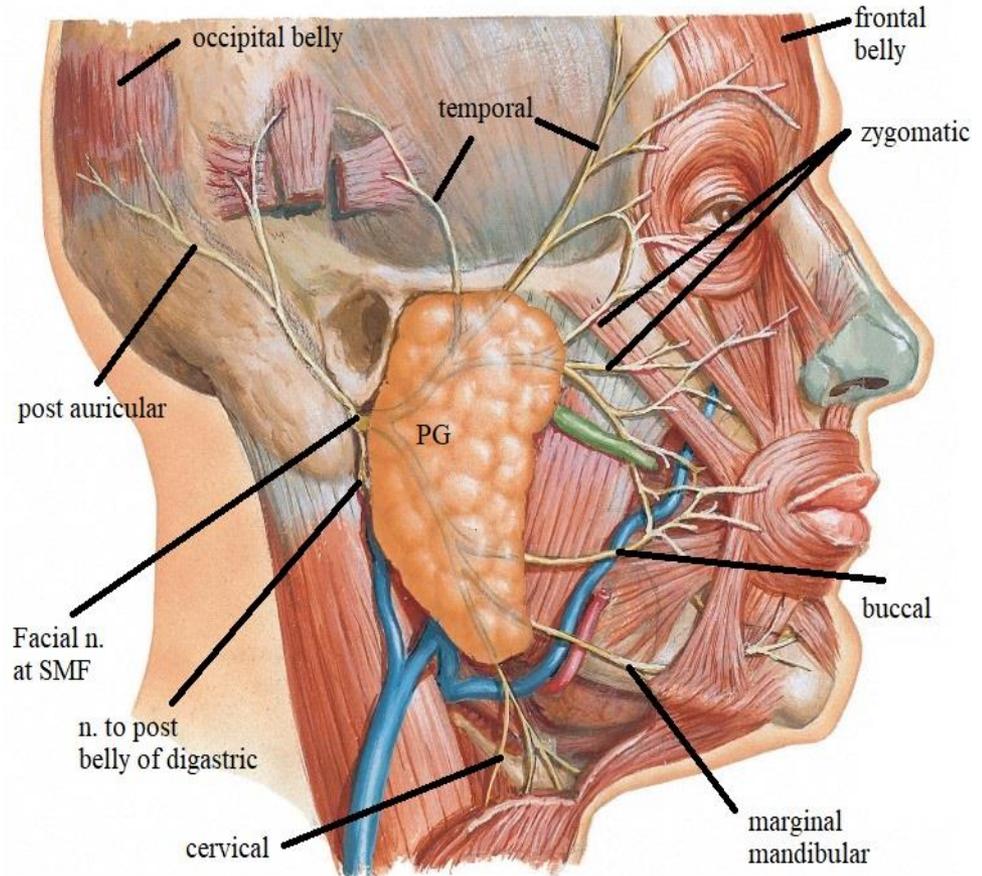
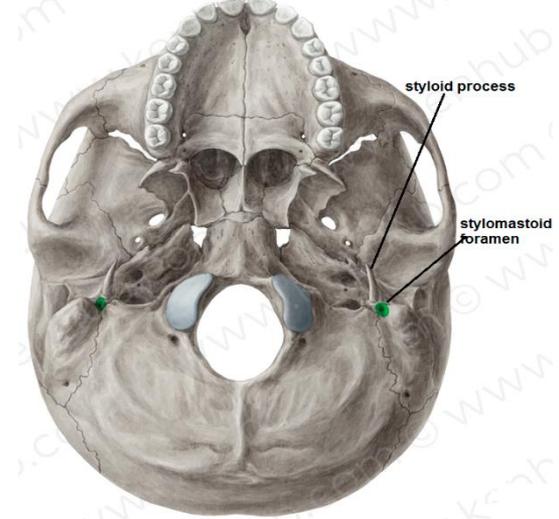
MOTOR
SUPPLY
OF
THE FACE

NERVE SUPPLY

Motor supply = Facial nerve (extra cranial part)

Course & Relations:

- Leaves the skull through the stylomastoid foramen
- Passes lateral to the base of the styloid process
- Enters the parotid gland where it lies superficial to:
 - retromandibular V.
 - ext. carotid art.
- Ends in 5 terminal branches



NERVE SUPPLY

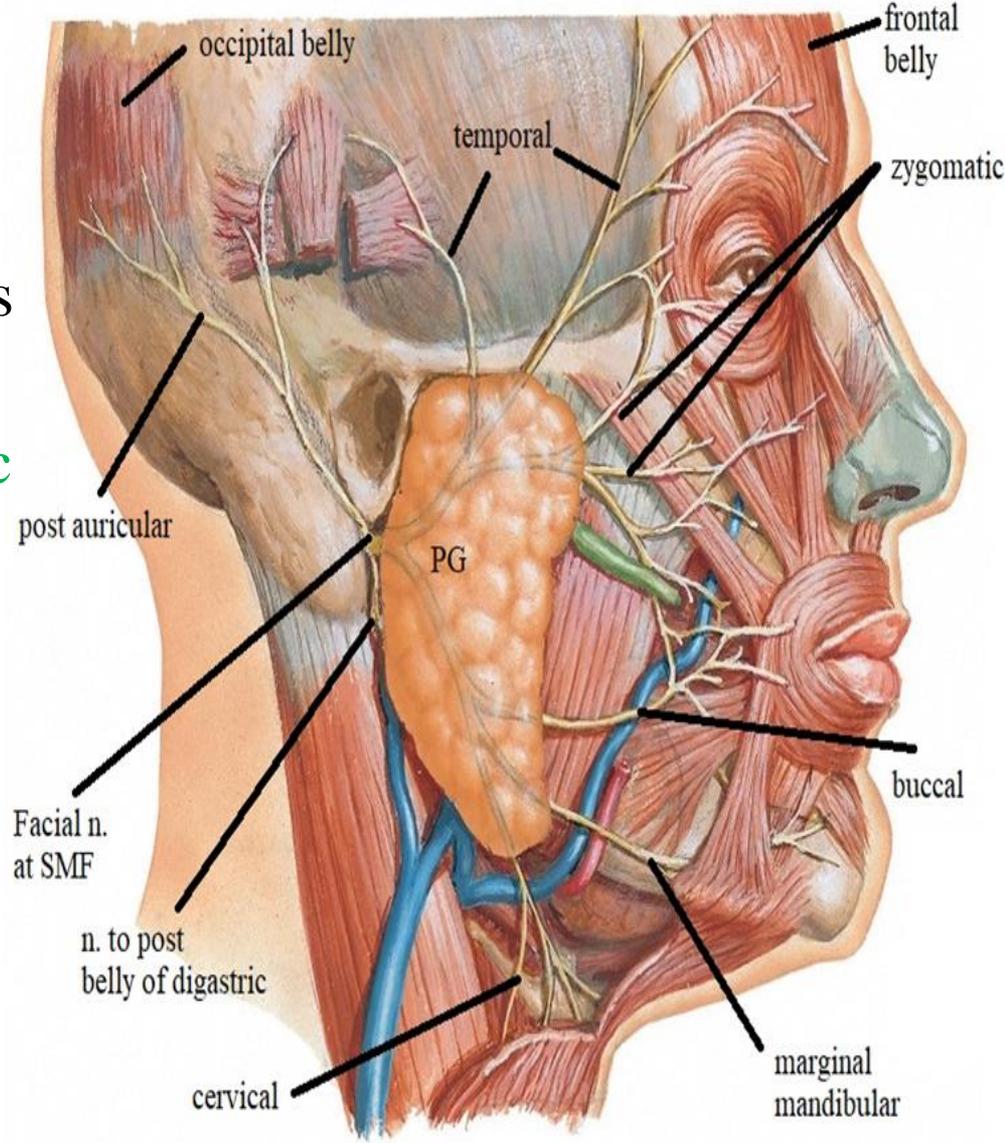
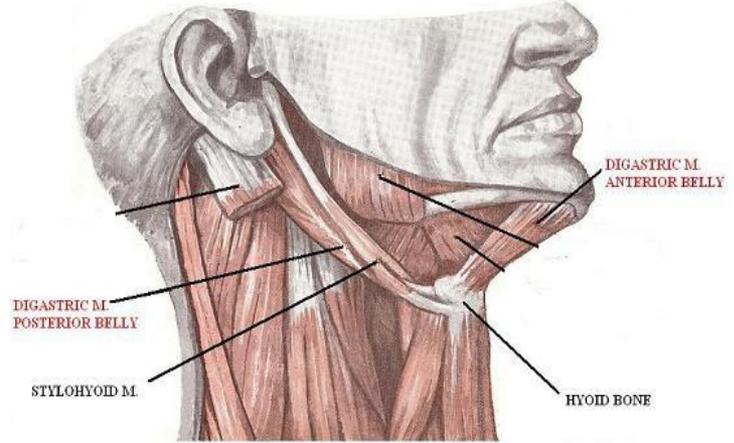
Motor supply = Facial nerve (extra cranial part)

Branches:

Before the Parotid gland

- posterior auricular n.
- occipital belly of occipitofrontalis
- auricularis posterior
- Nerve to post belly of digastric

Posterior belly of the digastric
Stylohyoid



NERVE SUPPLY

Motor supply = Facial nerve (extra cranial part)

Branches:

Inside the Parotid gland

- **Temporal branch**

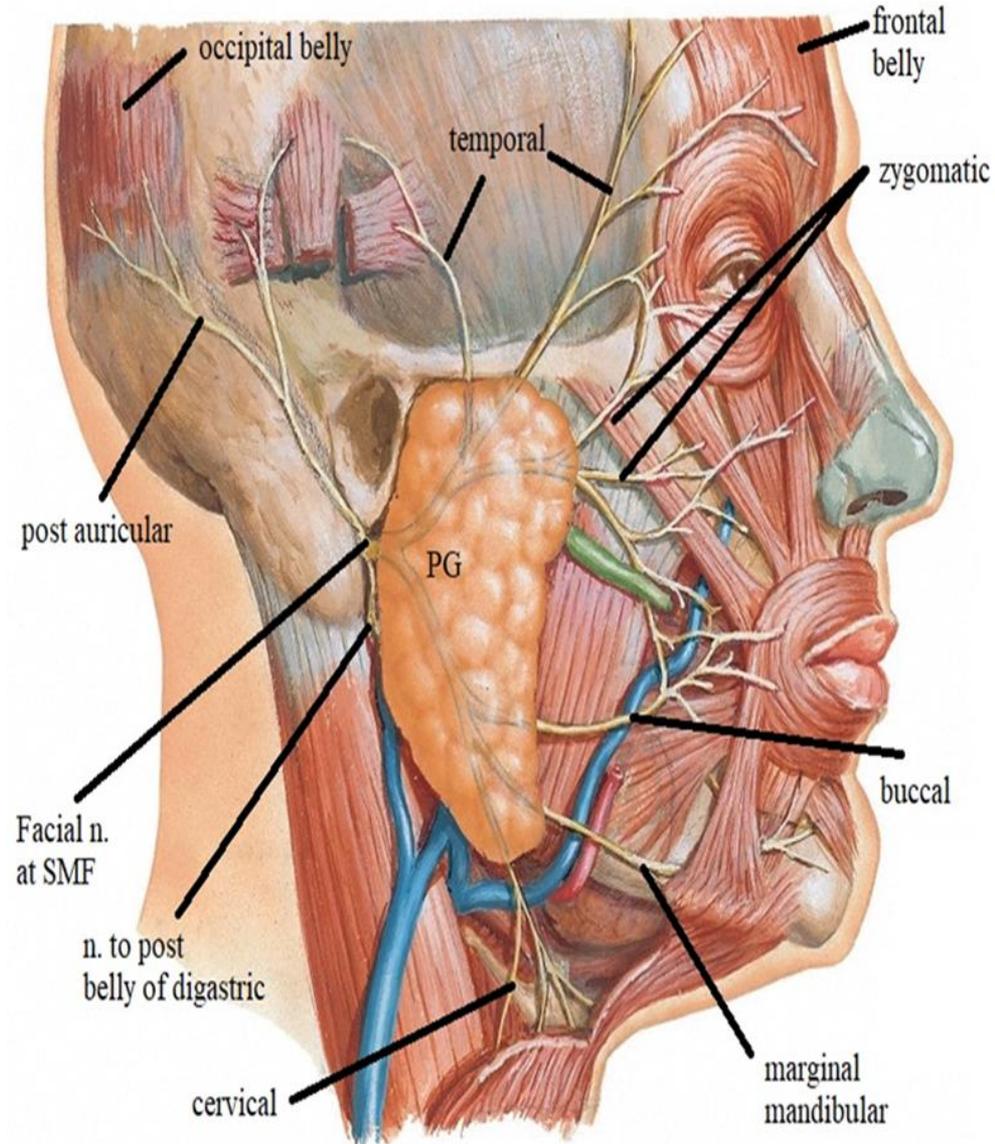
Upper part of orbicularis oculi
(upper eye lid)

Frontal belly of occipitofrontalis
Auricularis anterior and superior

- **Zygomatic branch**

Lower part of orbicularis oculi
(lower eye lid)

Muscles of nose.



NERVE SUPPLY

Motor supply = Facial nerve (extra cranial part)

Branches:

Inside the Parotid gland

- **Buccal branches**

Multiple (usually 2)

Upper part of orbicularis oris
(upper lip)

Buccinator

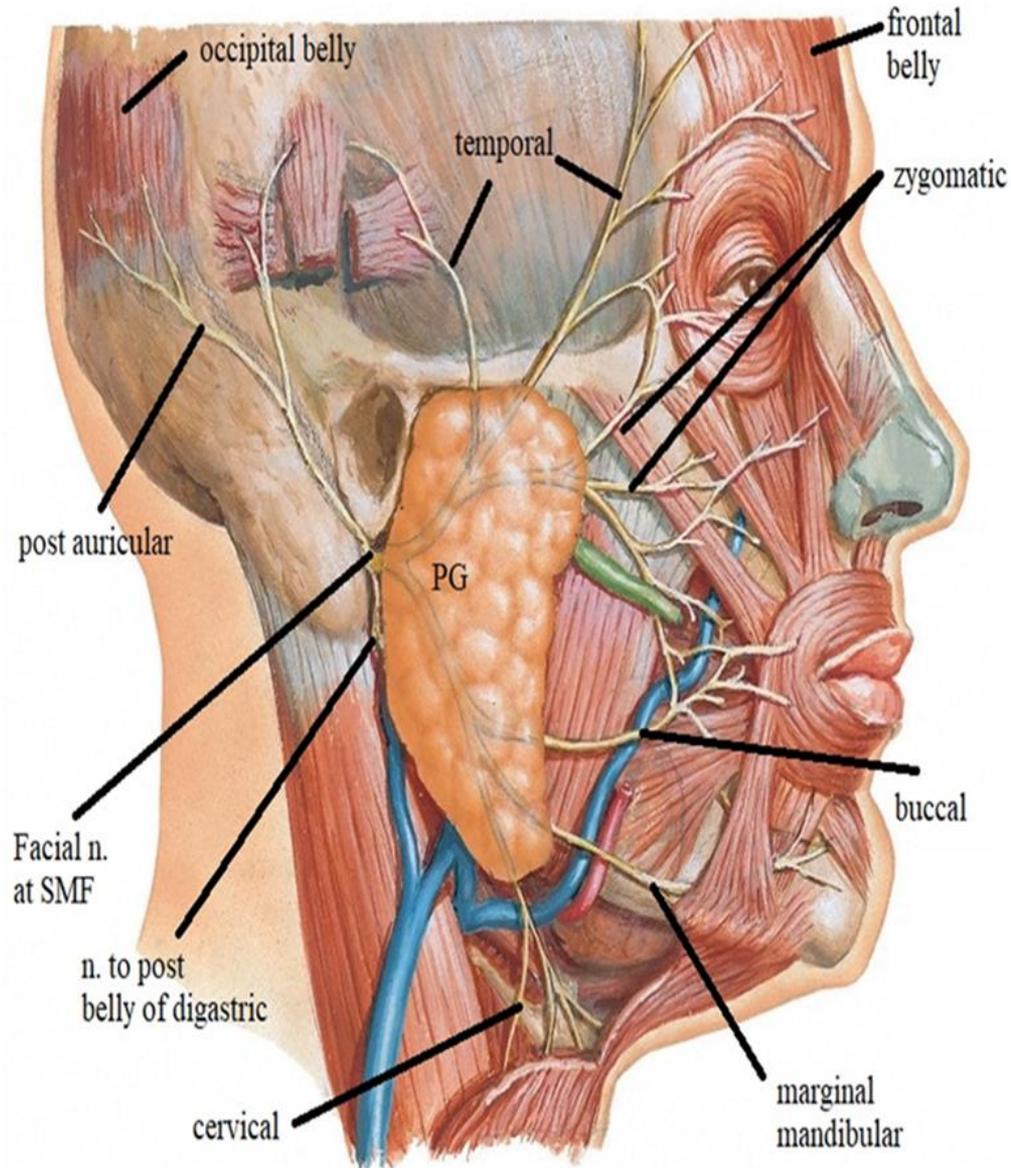
- **Marginal mandibular branch**

Lower part of orbicularis oris
(lower lip)

Muscles of chin

- **Cervical branch**

Platysma



NERVE SUPPLY

Motor supply = Facial nerve (extra cranial part)

Injury of facial nerve

e.g. in parotid surgery

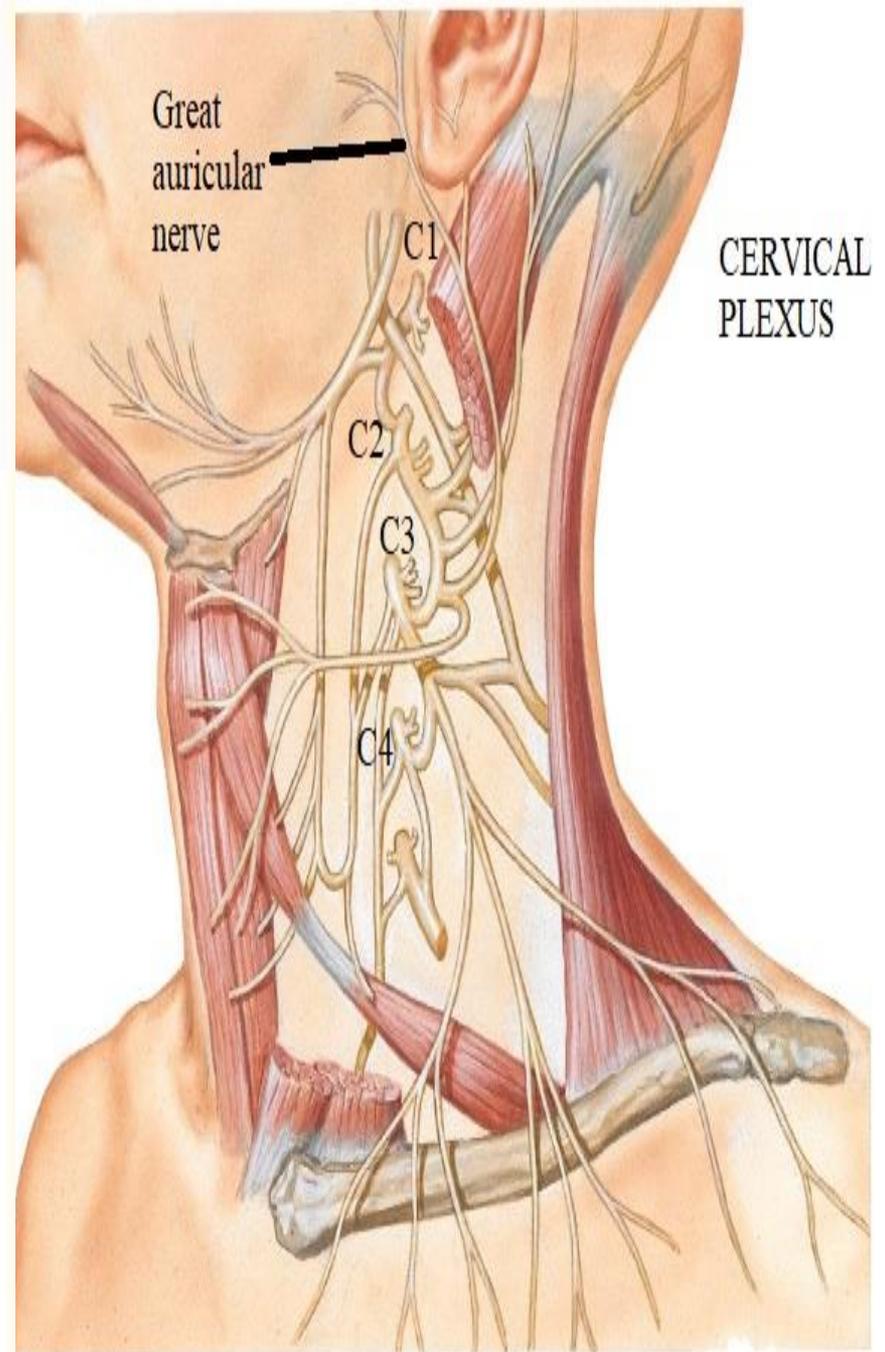
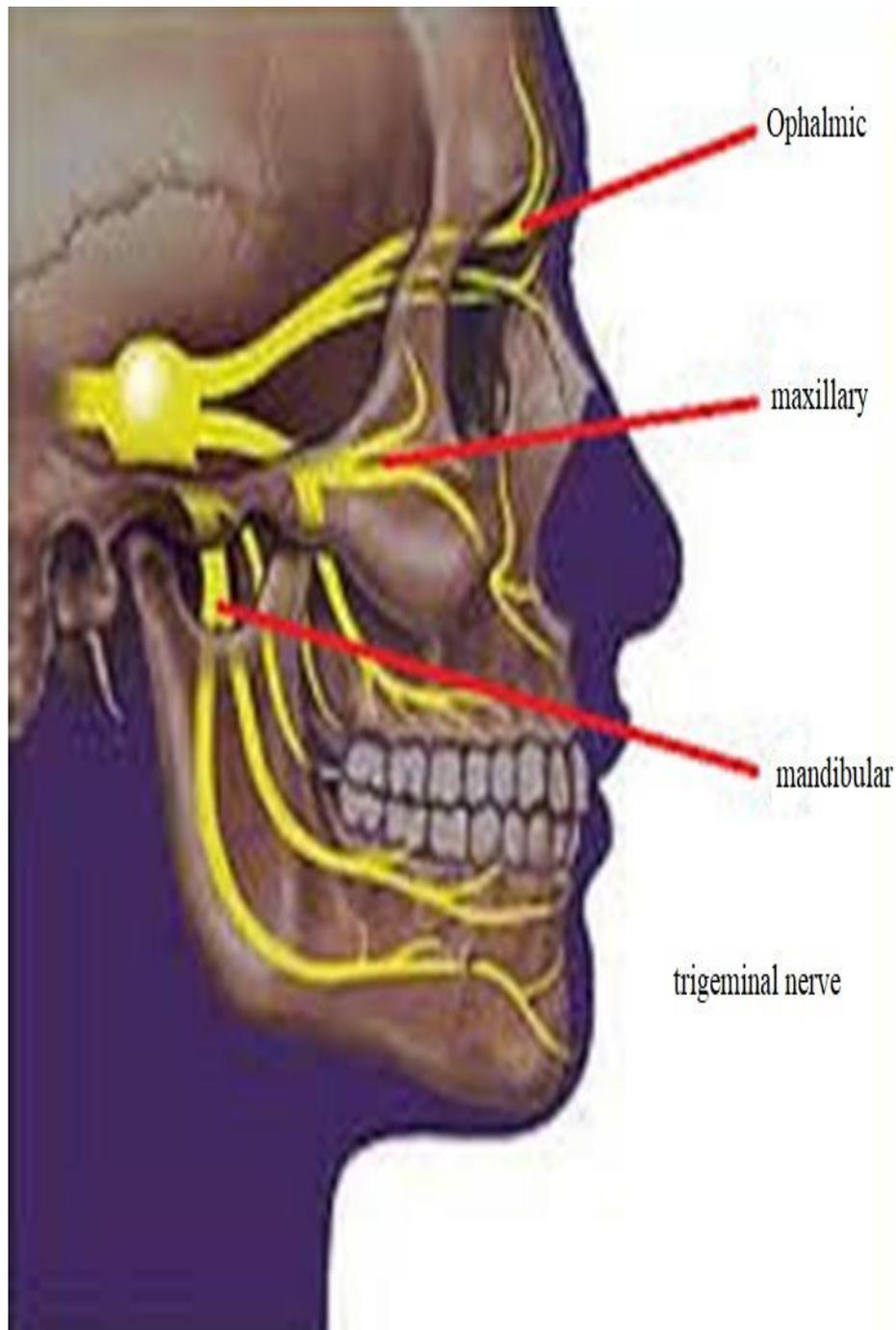
leads to Paralysis of muscles of face in the same side of lesion , with the following features

- Inability to raise eye brow
- inability to close the eye
lacrimation
- inability to blow
accumulation of food in vestibule of mouth during mastication.
- inability to whistle & dripping of saliva from the mouth
- in laughing or showing the teeth the mouth deviates to the normal side



deviation of mouth to normal side in facial n. palsy

SENSORY
SUPPLY
OF
THE FACE



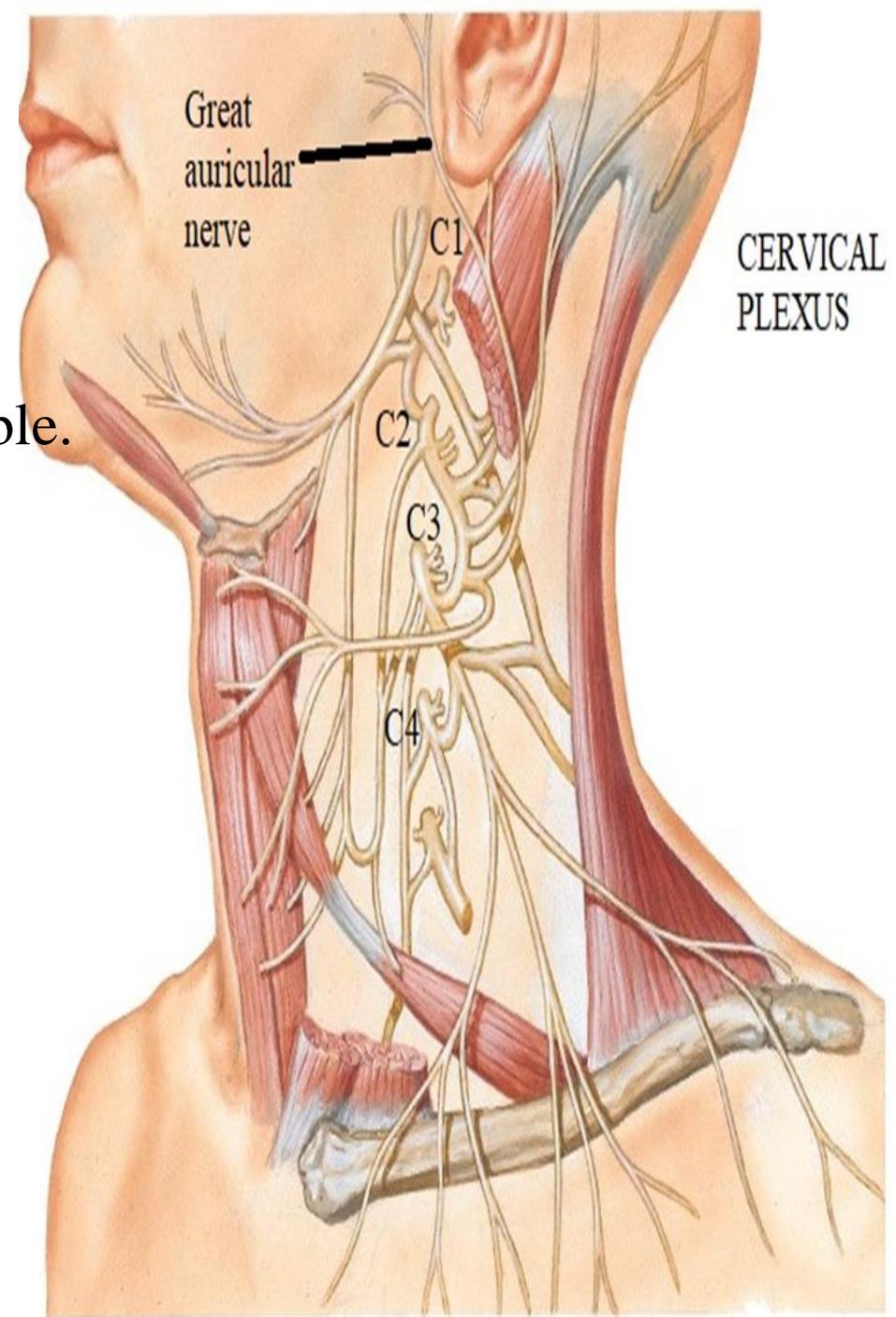
NERVE SUPPLY

Sensory supply

Cervical plexus (VR C2&3)

great auricular nerve

- skin on parotid & angle of mandible.



NERVE SUPPLY

Sensory supply

Trigeminal nerve

Ophthalmic

1-supratrochlear :-upper eye lid.
& fore head.

2-supraorbital: upper eye lid, fore head
&scalp up to vertex

3-palpebral br. of lacrimal n.: lateral part of upper eye lid

4-Infratrochlear: skin on dorsum of bony nose

5-ext. nasal: skin on dorsum of cartilaginous
nose including the tip

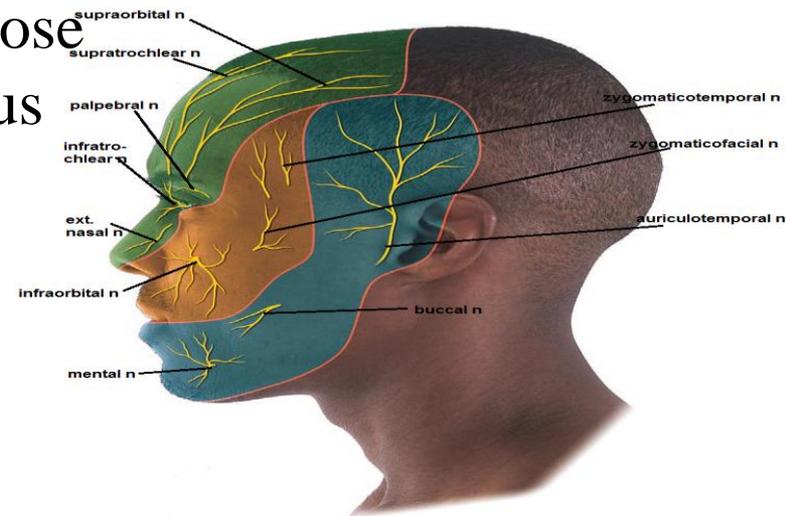
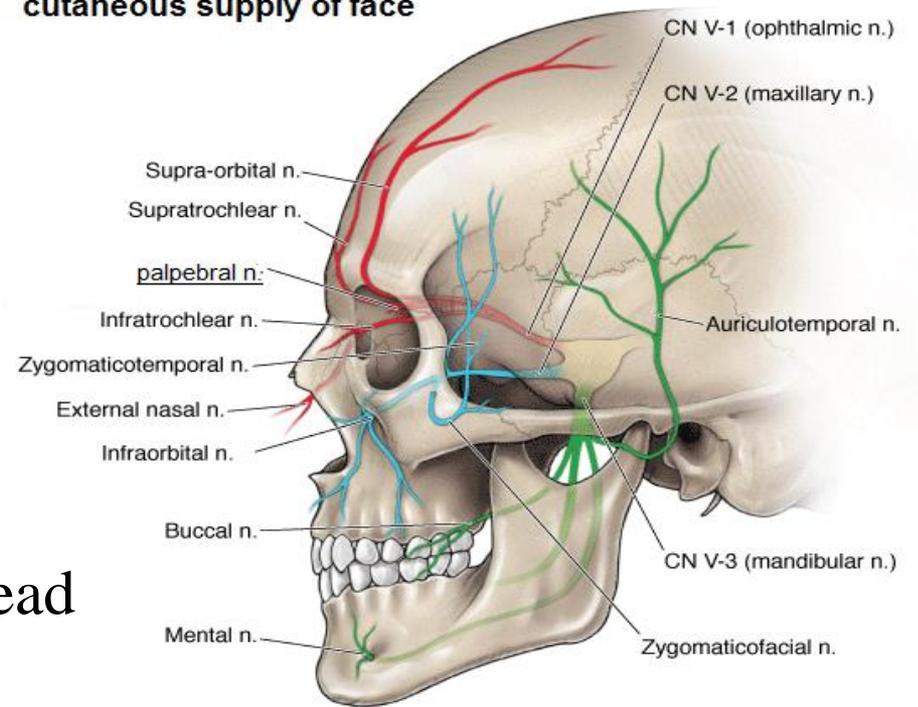
these branches supply

1- the forehead

2- the upper eyelid

3- the dorsum of the nose including the tip.

cutaneous supply of face



NERVE SUPPLY

Sensory supply

Trigeminal nerve

Maxillary

1-zygomticotemporal:- ant. temple.

2-zygomaticofacial:- skin on zygomatic bone

3-infraorbital:-

side of nose with ala

lower eye lid.

skin of upper lip.

These branches supplies

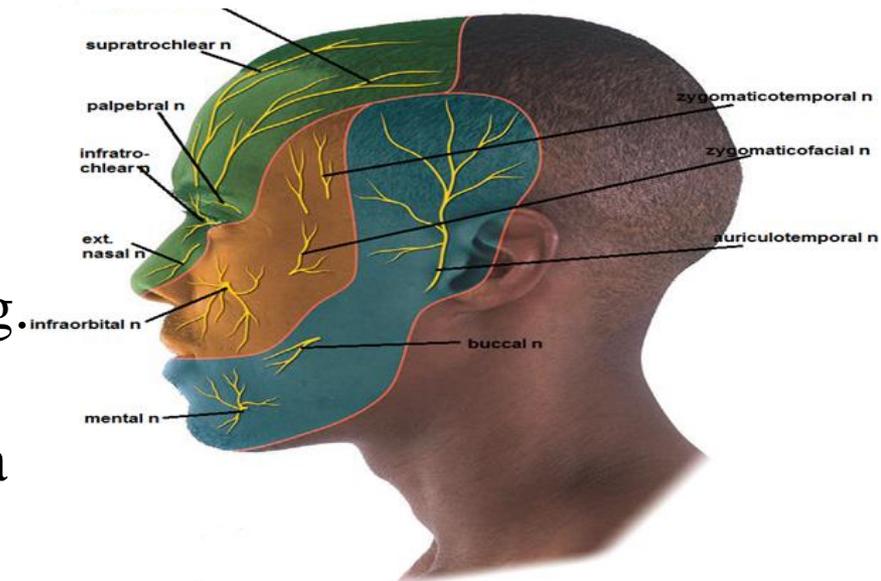
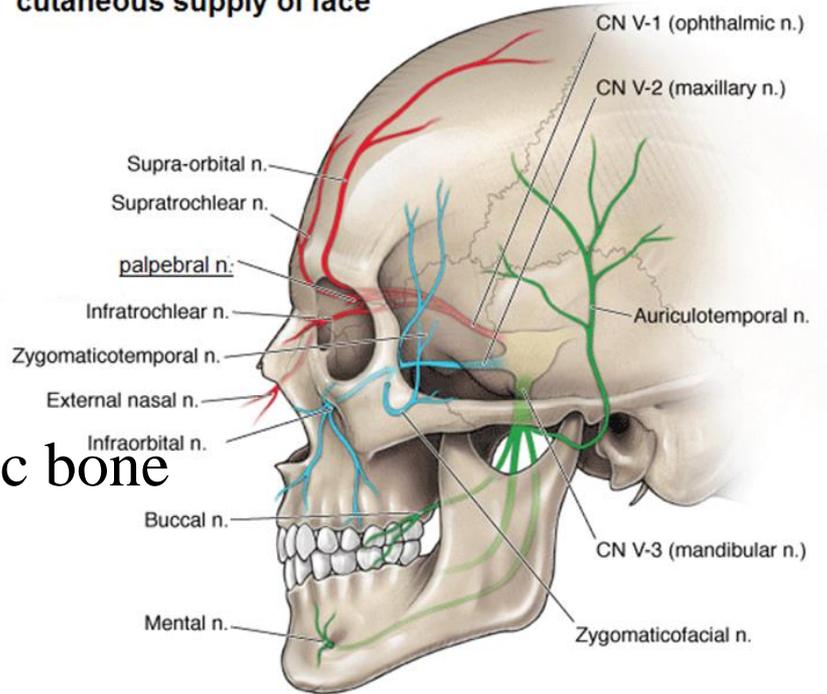
1- the lateral side of the orbital opening

2- the lower eyelid,

3- the side of the nose including the ala

4- the cheek, 5- the upper lip,

cutaneous supply of face



NERVE SUPPLY

Sensory supply

Trigeminal nerve

Mandibular

1- auriculotemporal

-post. temple.

-auricle (upper part of outer surface)

-ext. auditory meatus.

-tympanic membrane (ear drum)

2- buccal:- skin on buccinator

3- mental:- skin of lower lip & chin

these branches supply

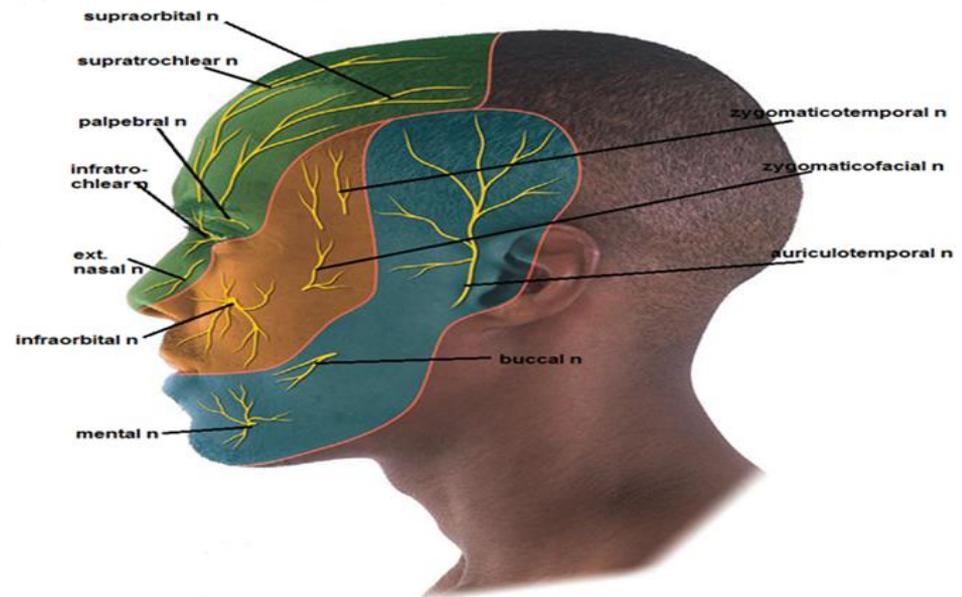
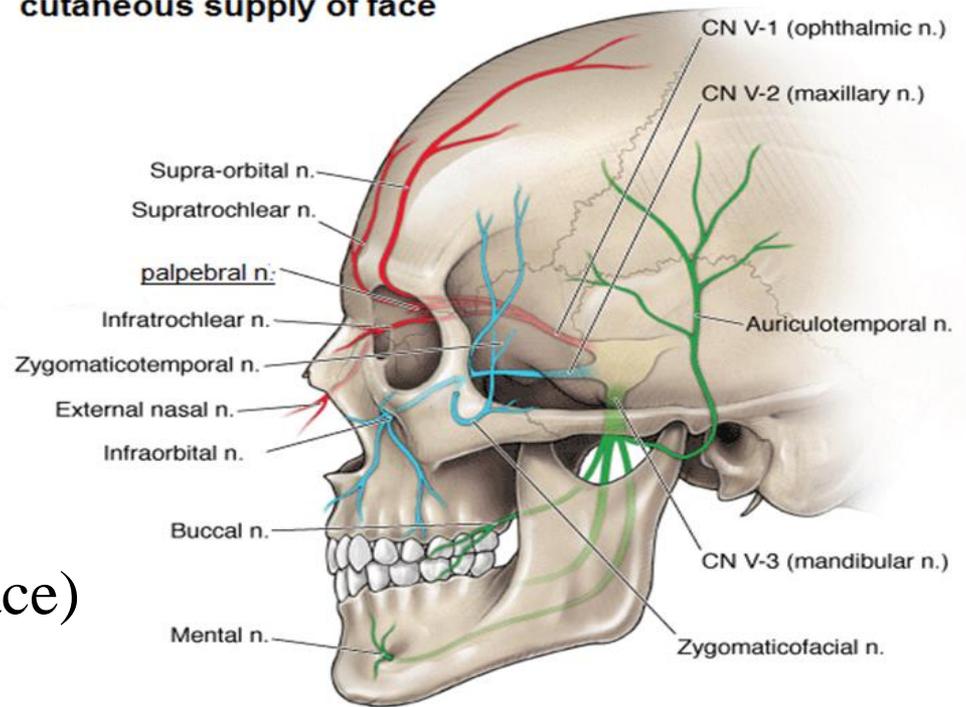
1- the temporal region,

2- part of the auricle.

3- the lower part of the face,

4- the lower lip,

cutaneous supply of face



NERVE SUPPLY

Sensory supply

Trigeminal nerve

Trigeminal neuralgia:

- lesion in trigeminal n. usually affecting maxillary and mandibular parts
- it is of unknown cause
- presents with attacks of severe stabbing pain on face . usually triggered by touching the face , brushing the teeth or laughing

THANQ