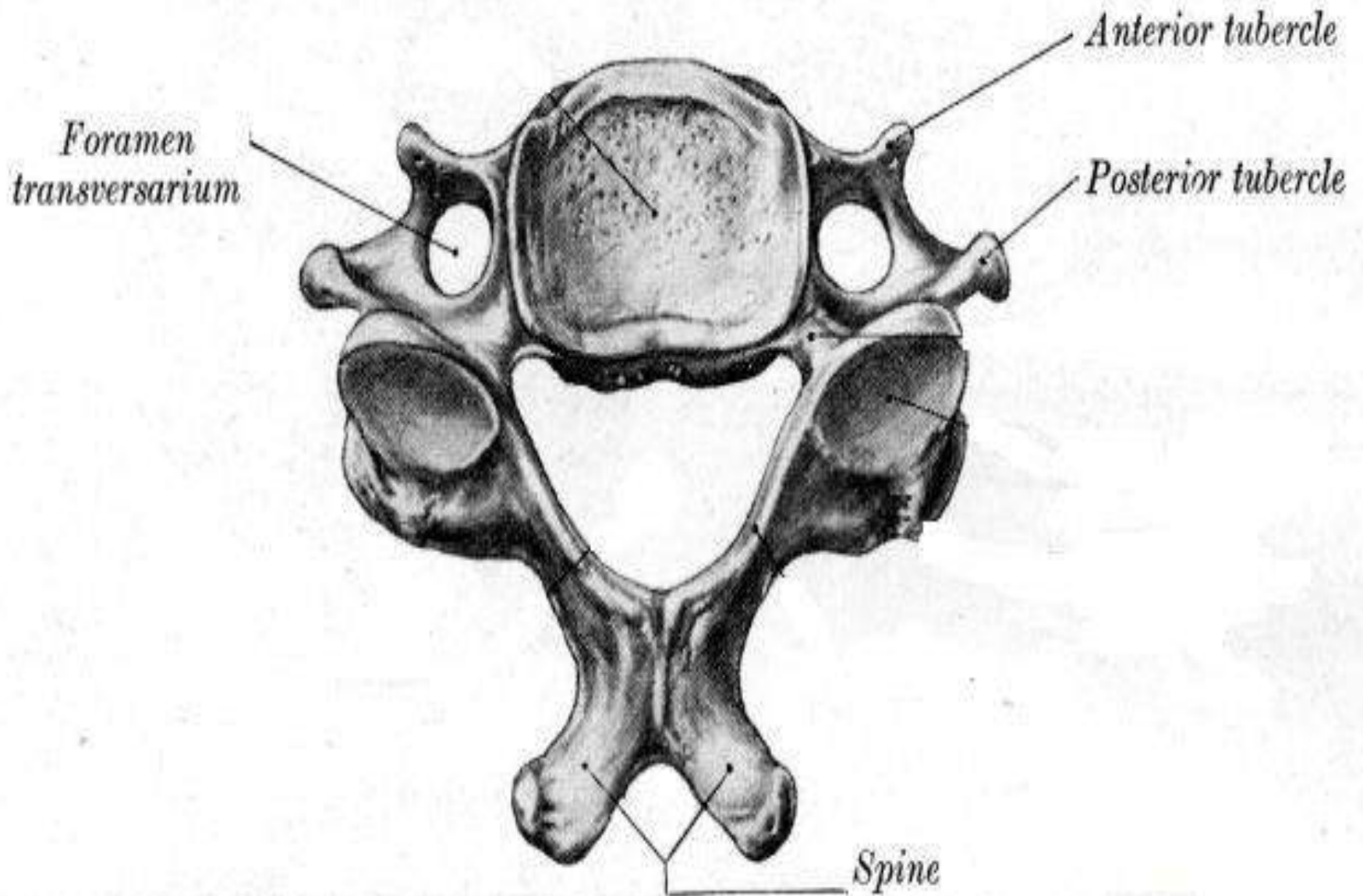


DEEP MUSCLES OF THE NECK



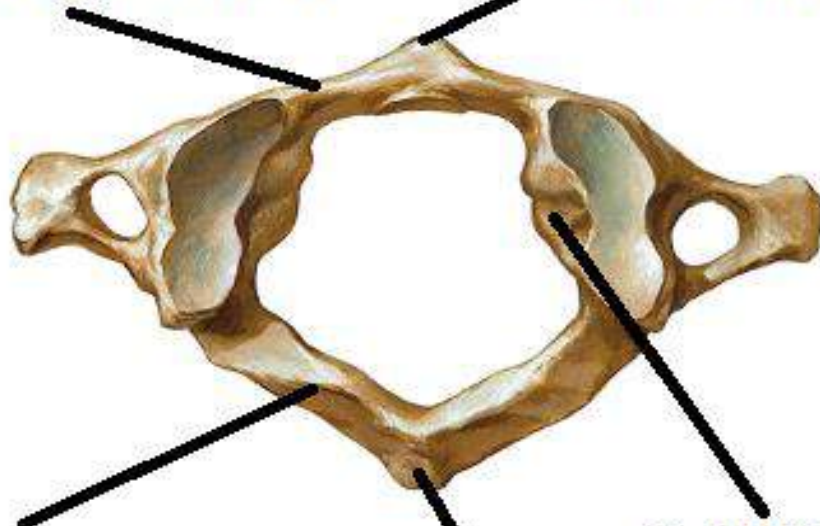
BY
DR ABULMAATY MOHAMED
ASSISTANT PROFESSOR
ANATOMY & EMBRYOLOGY
MUTAH UNIVERSITY

typical cervical vertebra. Superior aspect.



ANT.ARCH

ANT.TUBERCLE



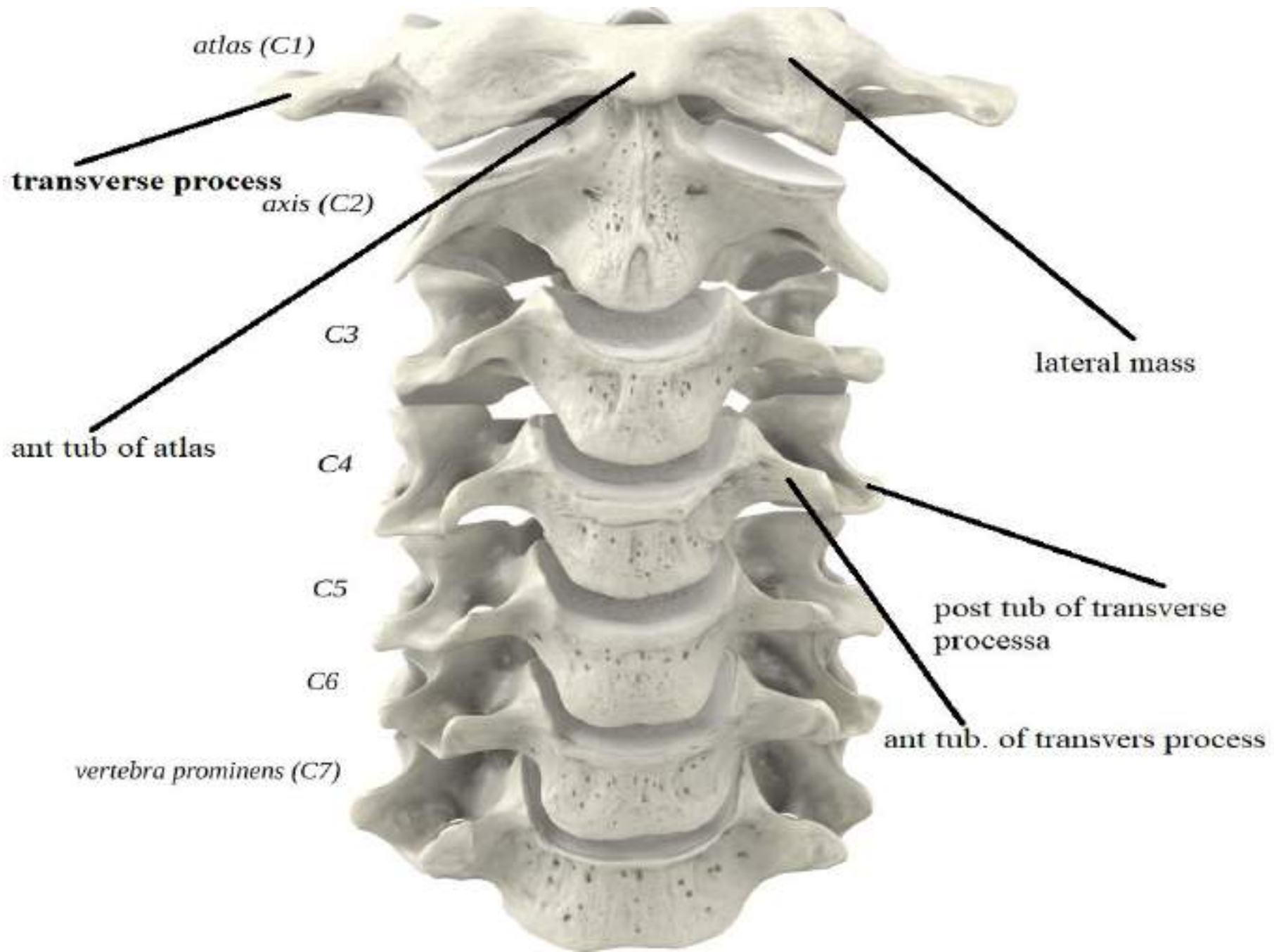
POST.ARCH

LATERAL MASS

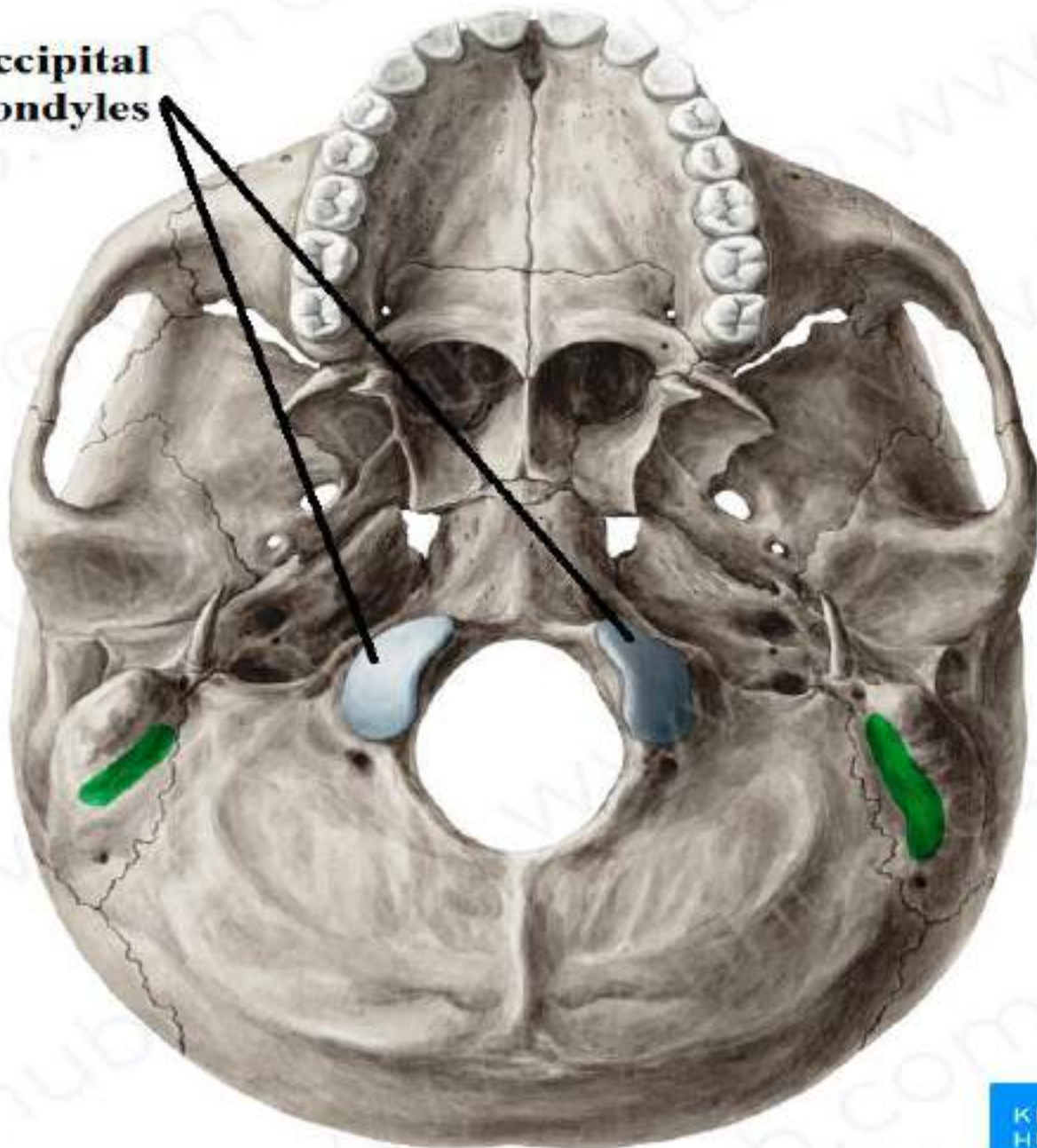
DENS

POST.TUBERCLE



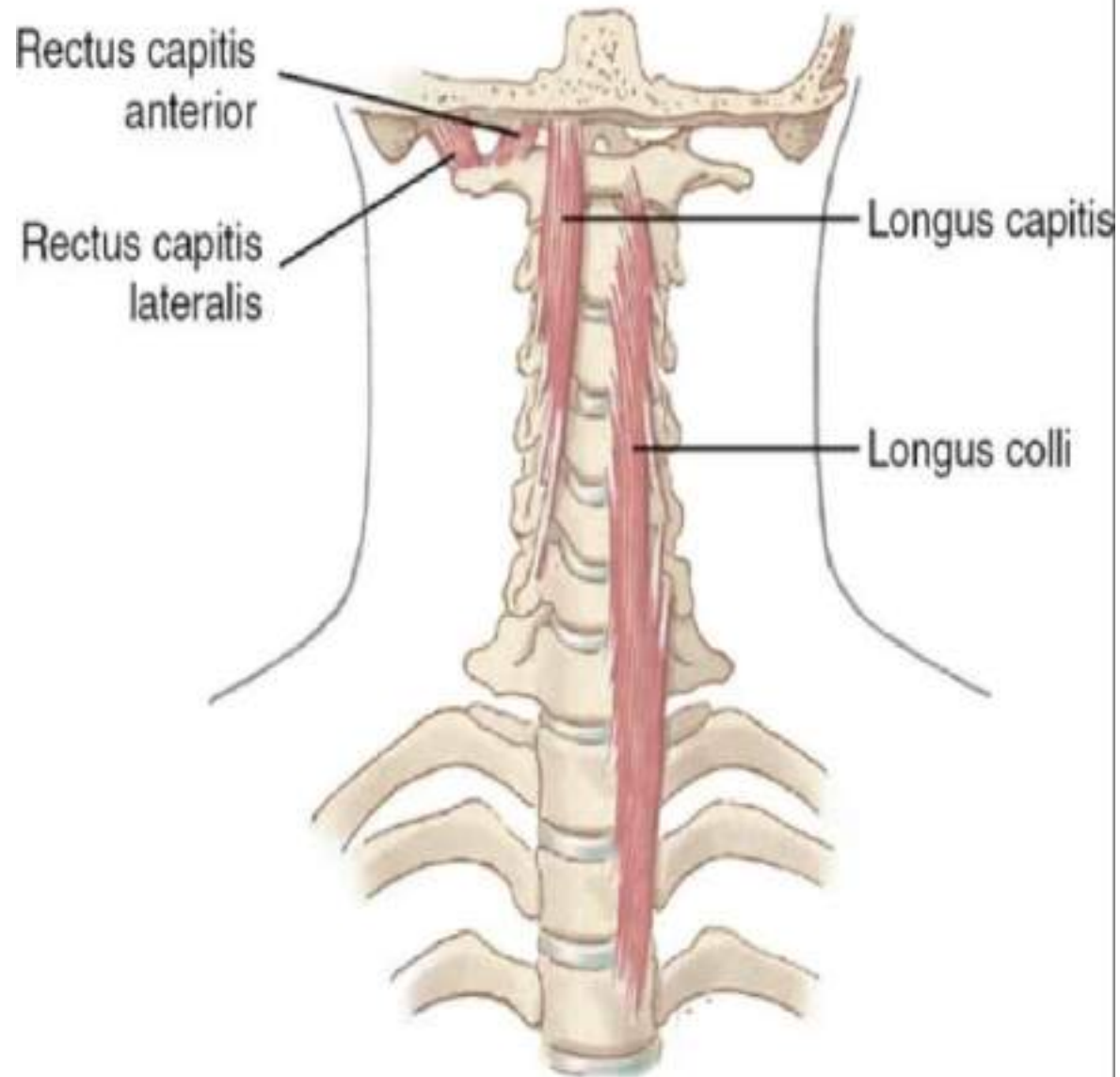


**occipital
condyles**



PREVERTEBRAL MUSCLES

- 1- Rectus capitis anterior
- 2- Rectus capitis lateralis
- 3- Longus coli
- 4- Longus capitis



PREVERTEBRAL MUSCLES

RECTUS CAPITIS ANTERIOR

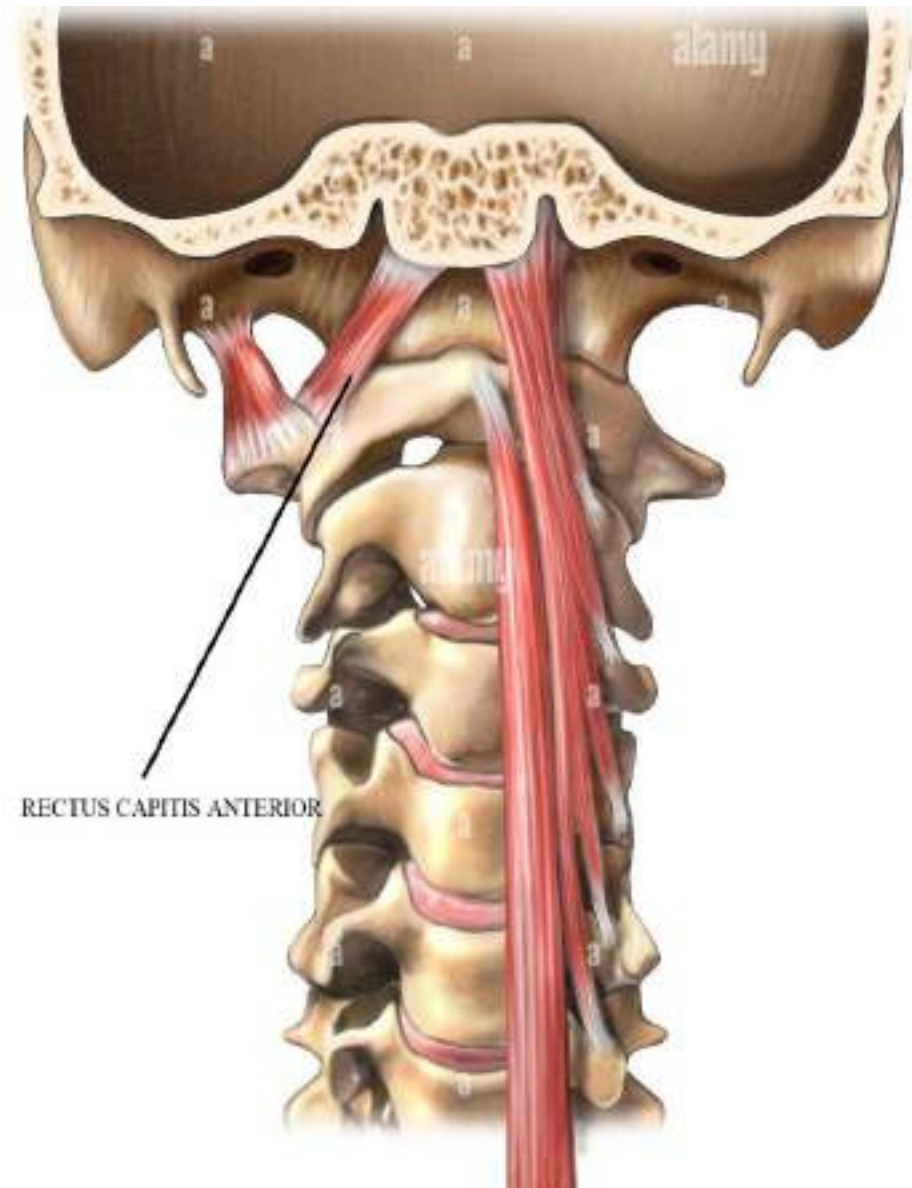
O.:- front of lateral mass of atlas

I.:- base of skull

ant. to occipital condyle.

A.:- flexion of head.

N.S. : ventral ramus of C 1 n.



PREVERTEBRAL MUSCLES

RECTUS CAPITIS LATERALIS

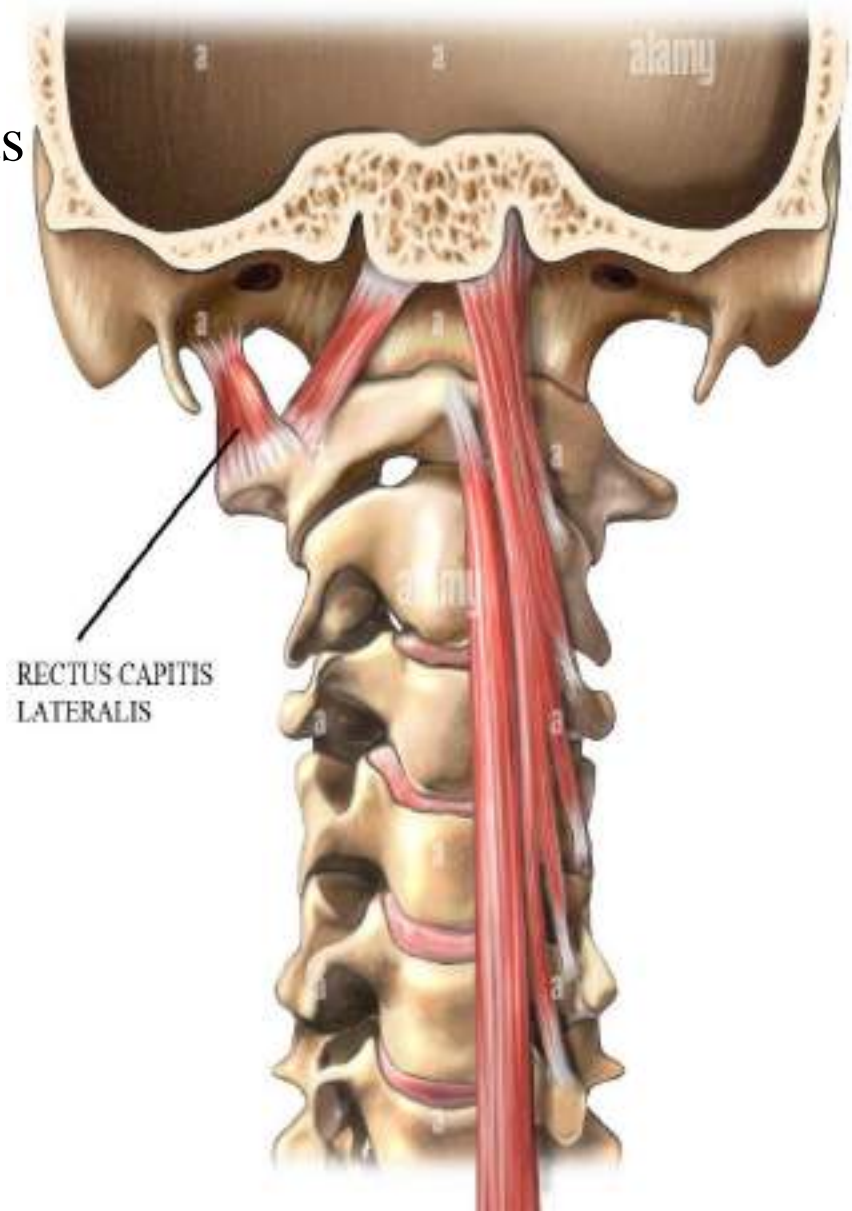
O.:- front of transverse Process of atlas

I. :- base of skull

lateral to occipital condyle .

A.:- lateral flexion of head.

N.S.:- ventral ramus of C 1 n.



PREVERTEBRAL MUSCLES

LONGUS COLLI (CERVICIS)

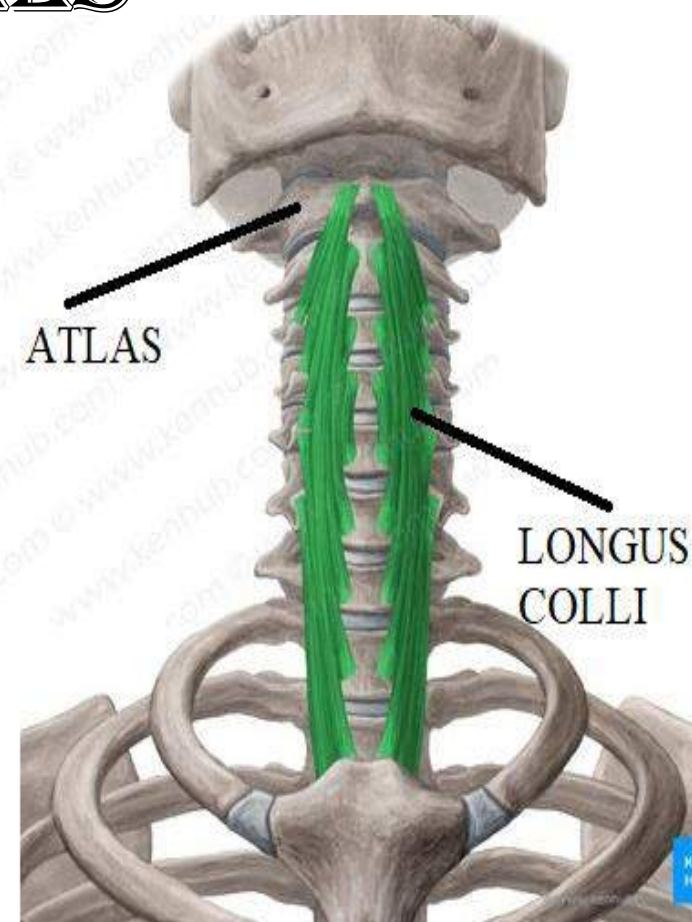
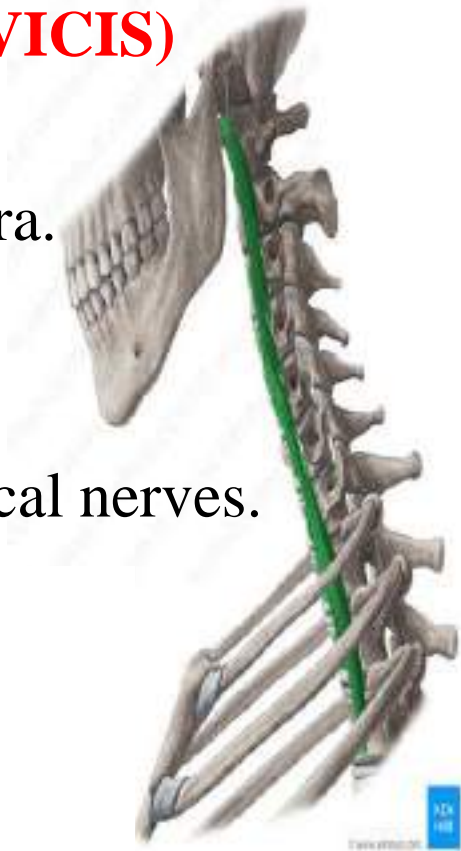
EXTENT:-

From:- 3rd thoracic vertebra.

To:- ant. tubercle of atlas.

A.:- flexion of neck.

N.S.: ventral rami of cervical nerves.



PREVERTEBRAL MUSCLES

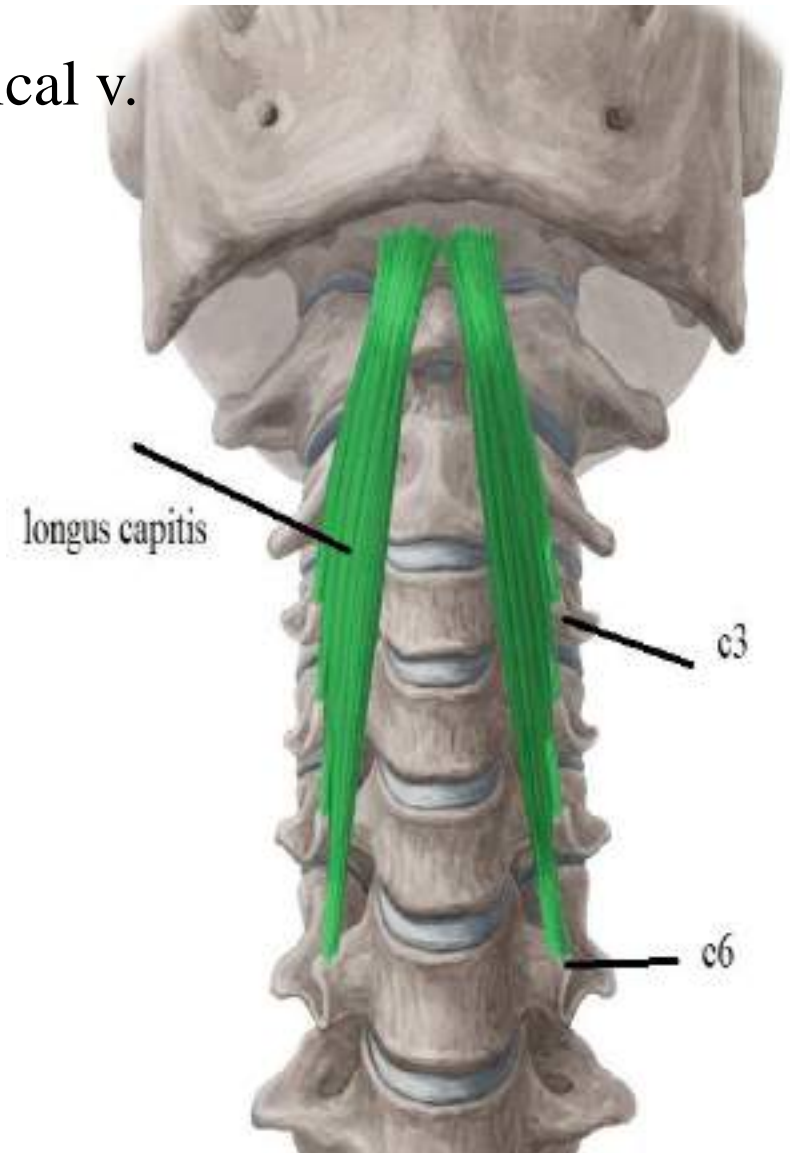
LONGUS CAPITIS

O.:- transverse Processes of typical cervical v.

I.:- basilar part of occipital bone

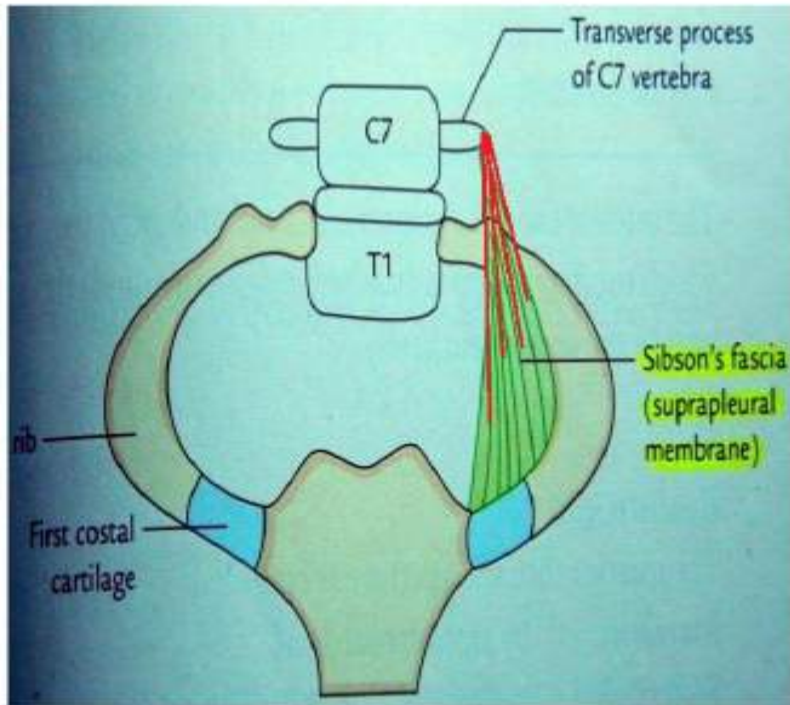
A.:- flexion of head

N.S.:- ventral rami of cervical nerves

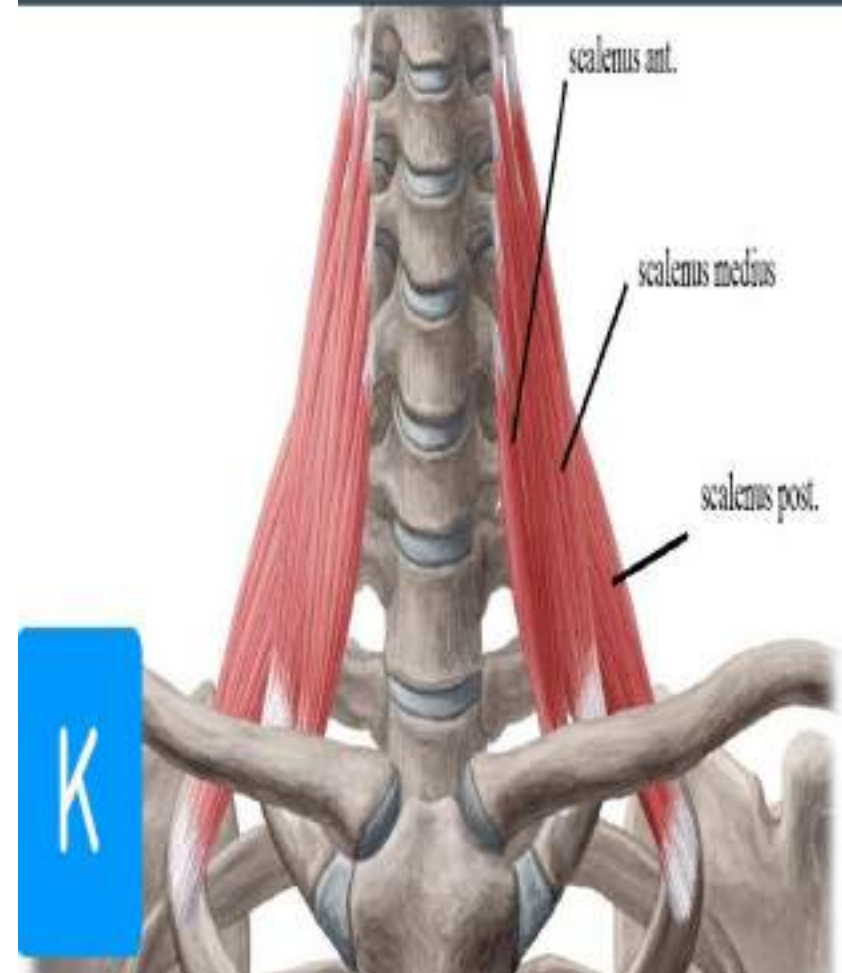


PARAVERTEBRAL MUSCLES

- 1- Scalenus minimus
- 2- Scalenus anterior
- 3- Scalenus medius
- 4- Scalenus posterior



Scalene muscles



PARAVERTEBRAL MUSCLES

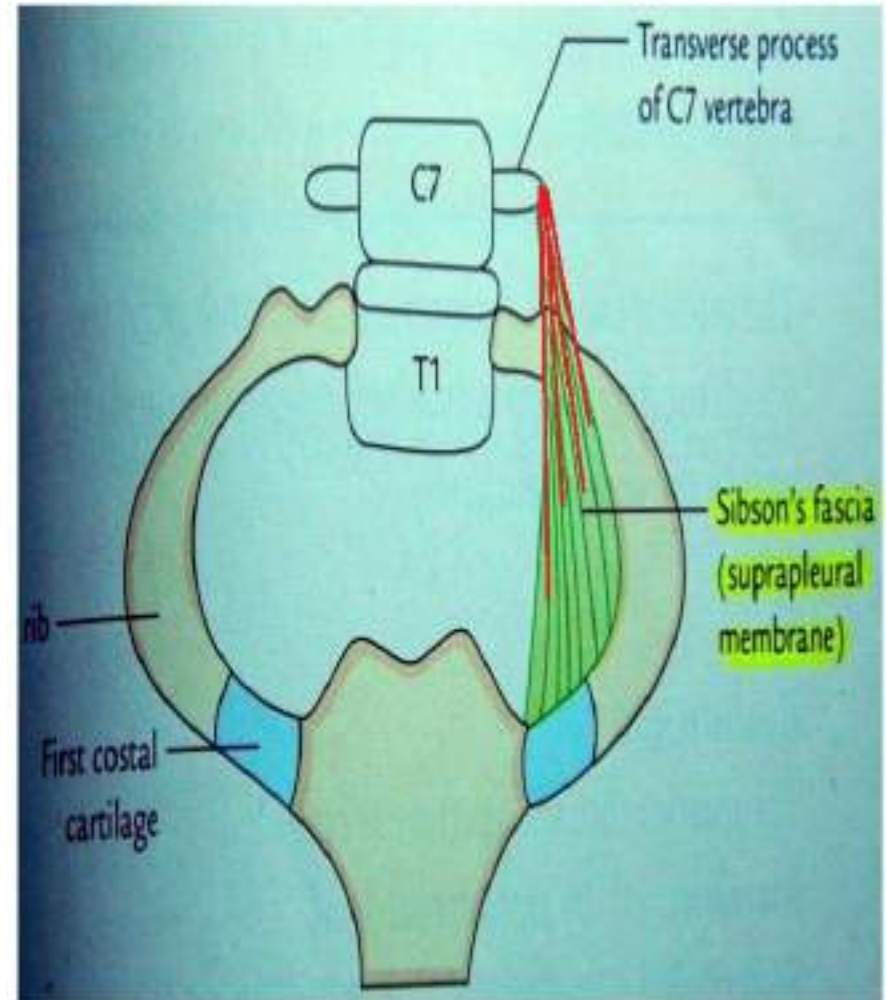
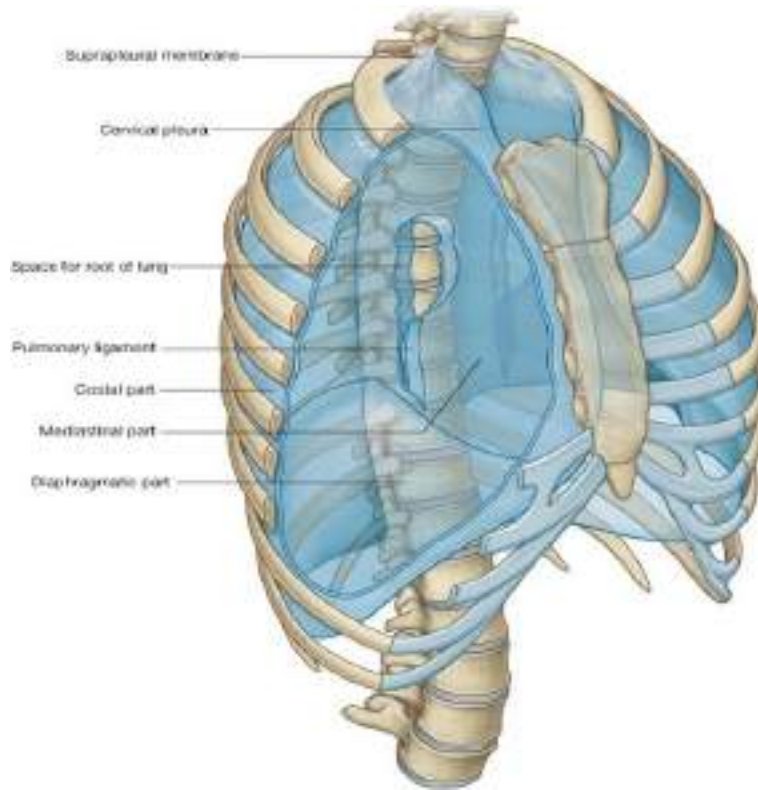
SCALENUS MINIMUS (PLEURALIS)

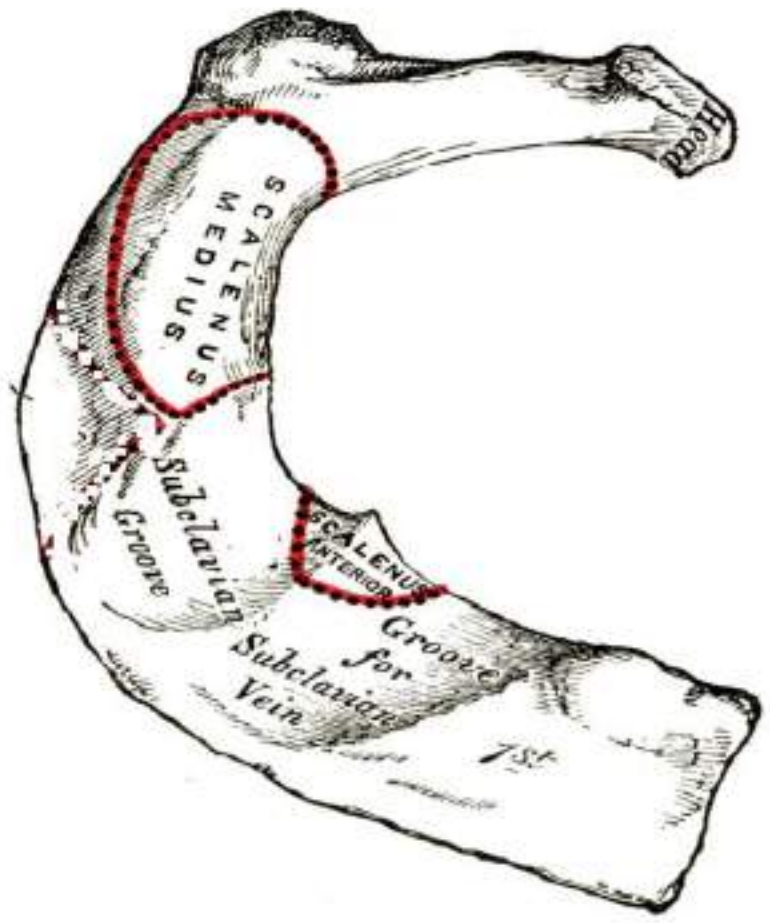
O.:- tip of tr. process of C 7 vertebra

I.:- suprapleural membrane

A.:- tense the suprapleural membrane

N.S.:- ventral ramus of C 7 n.





PARAVERTEBRAL MUSCLES

SCALENUS ANTERIOR

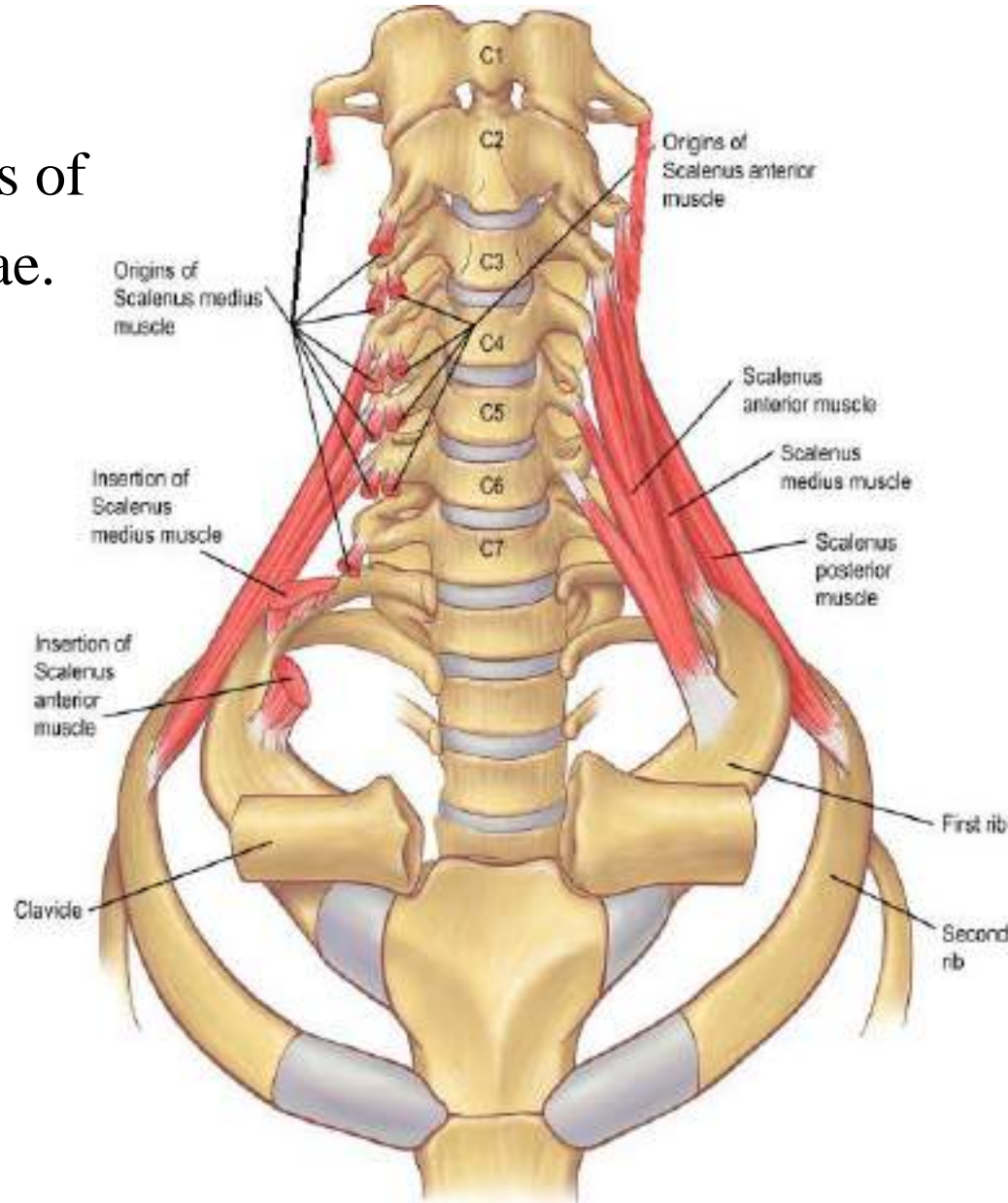
O.:- ant. tubercle of tr. Processes of
3, 4, 5, 6 cervical vertebrae.

I.:- scalene tubercle of 1st rib

A.: lateral flexion of neck.

elevation of 1st rib
in forced inspiration.

N.S.:- ventral rami of 4, 5, 6, 7
cervical nerves.



PARAVERTEBRAL MUSCLES

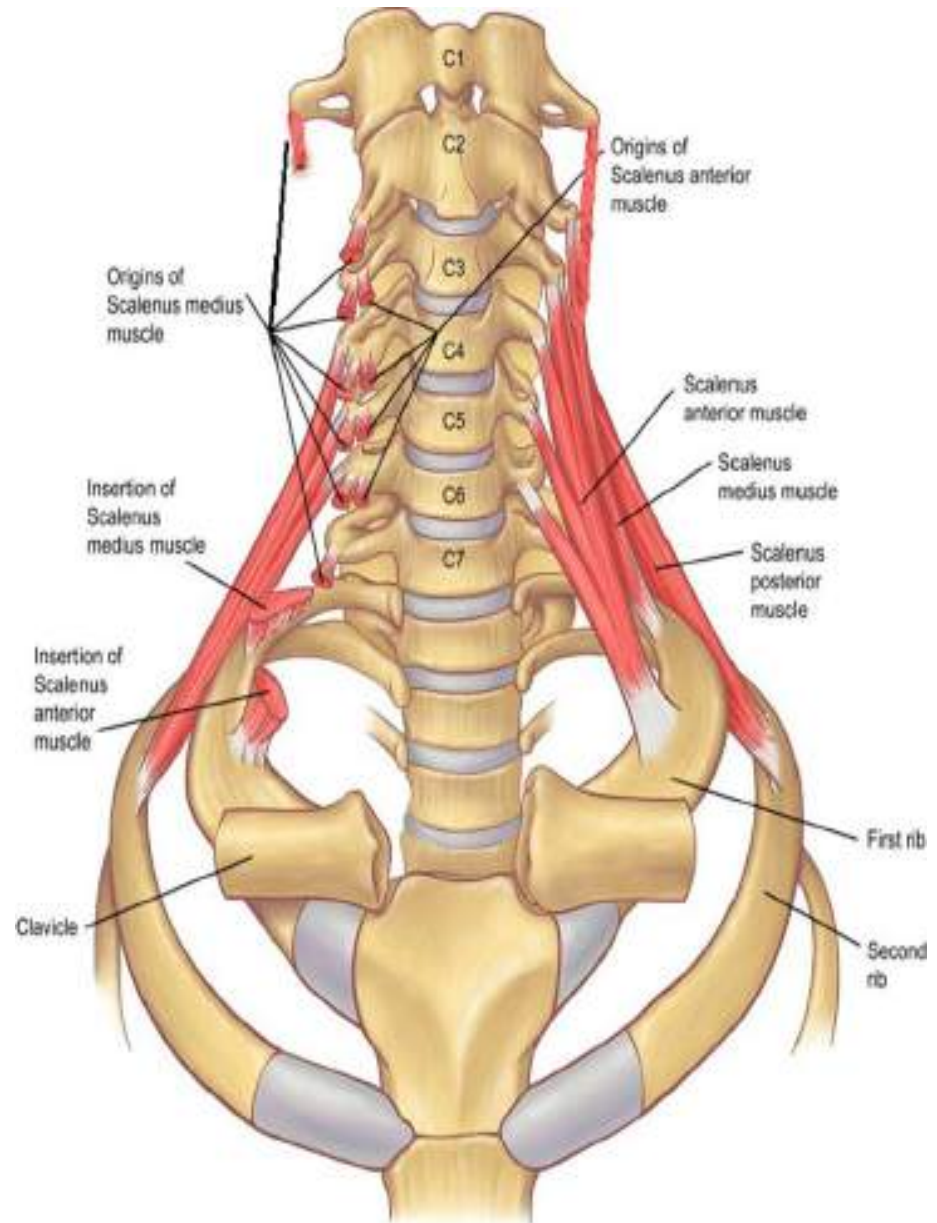
SCALENUS MEDIUS:

O.:- post. tubercle of tr.
Processes of all cervical vertebrae.

I.:- upper surface of 1st rib

A.:- lateral flexion of neck.
elevation of 1st rib
in forced inspiration.

N.S.:- ventral rami of all cervical
nerves.



PARAVERTEBRAL MUSCLES

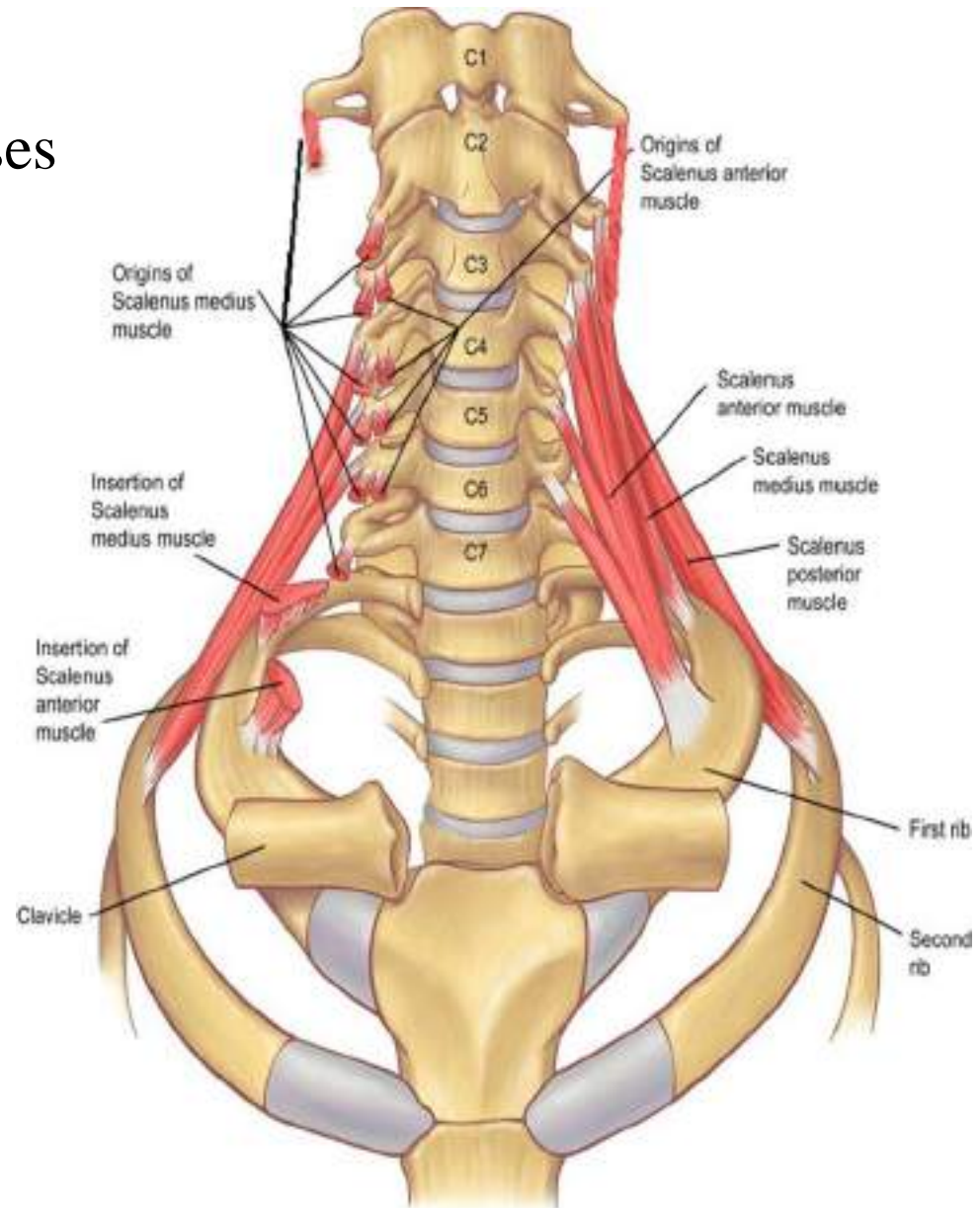
SCALENUS POSTERIOR:

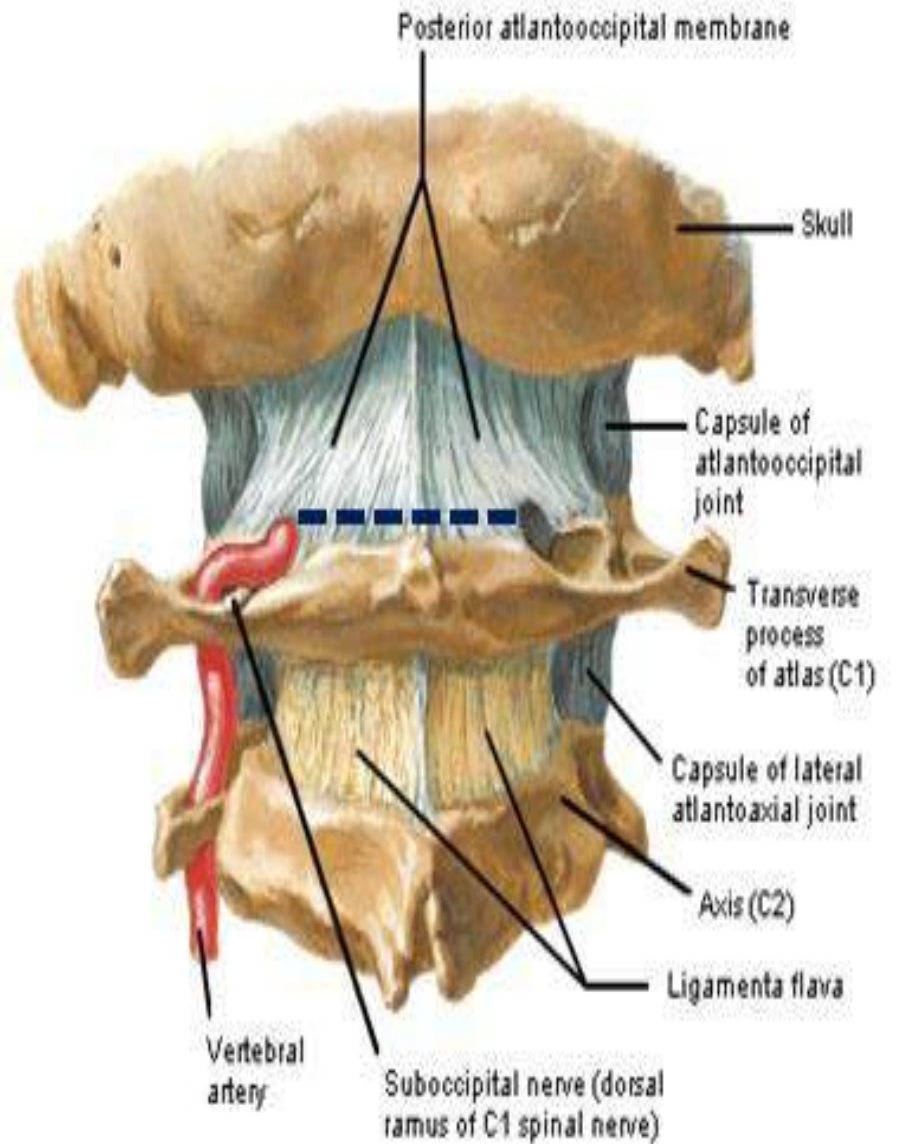
O.:- post. tubercle of tr. Processes of 4, 5, 6 cervical vertebrae.

I. -: 2nd rib.

A.:- lateral flexion of neck.
elevation of 2nd rib
in forced inspiration.

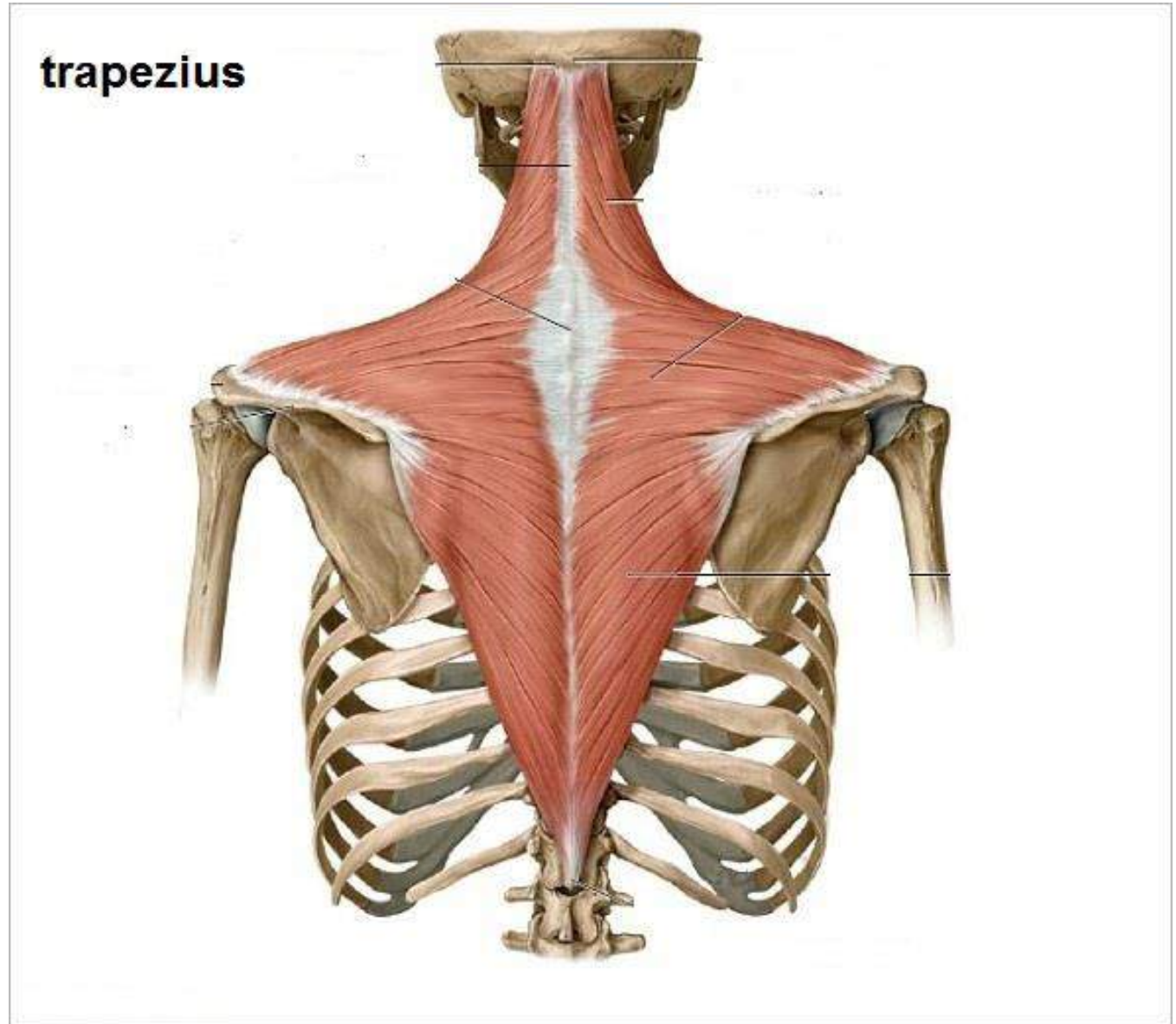
N.S.:- ventral rami of C 5, 6 , 7
nerves.





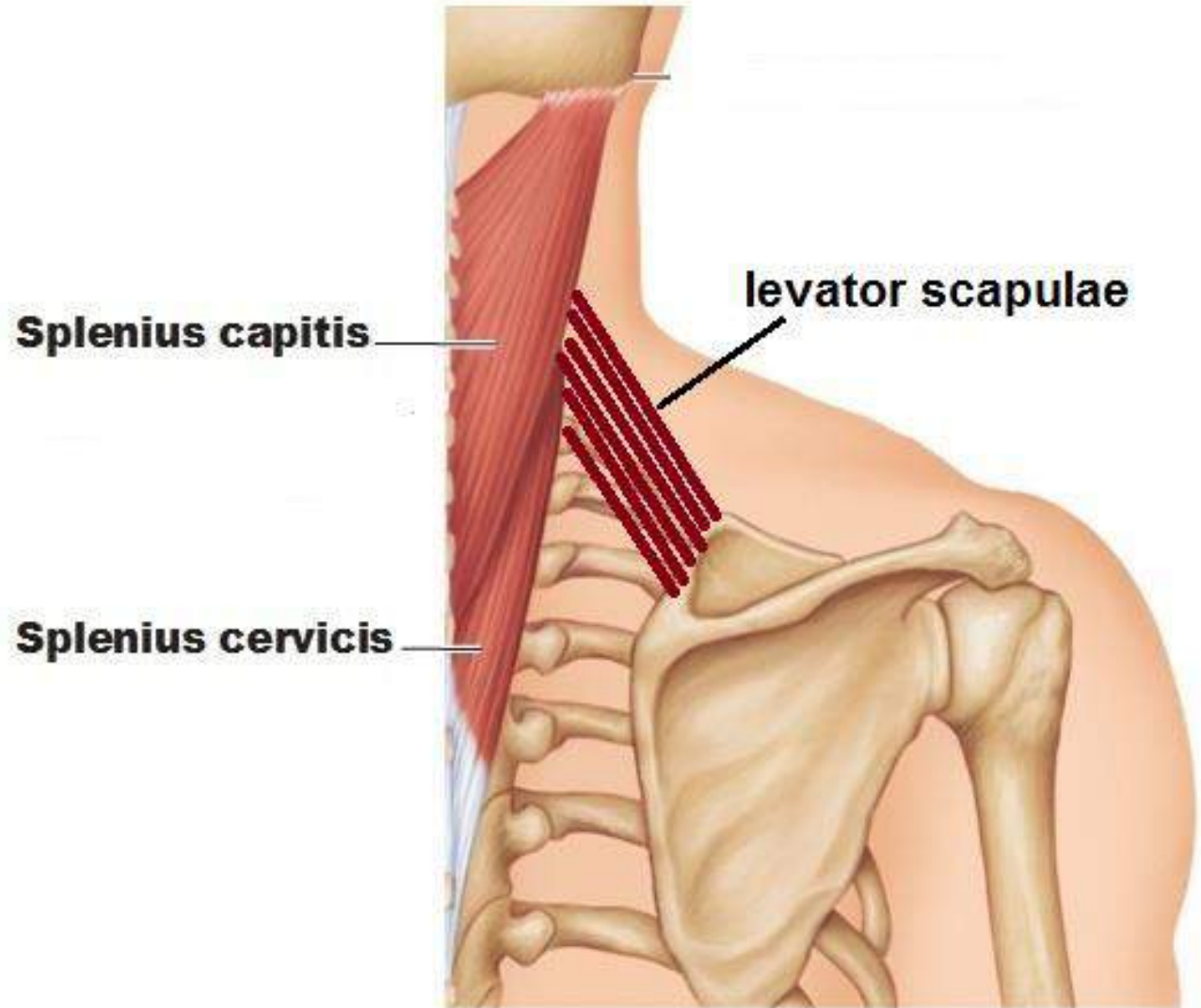
POSTVERTEBRAL MUSCLES

1ST LAYER



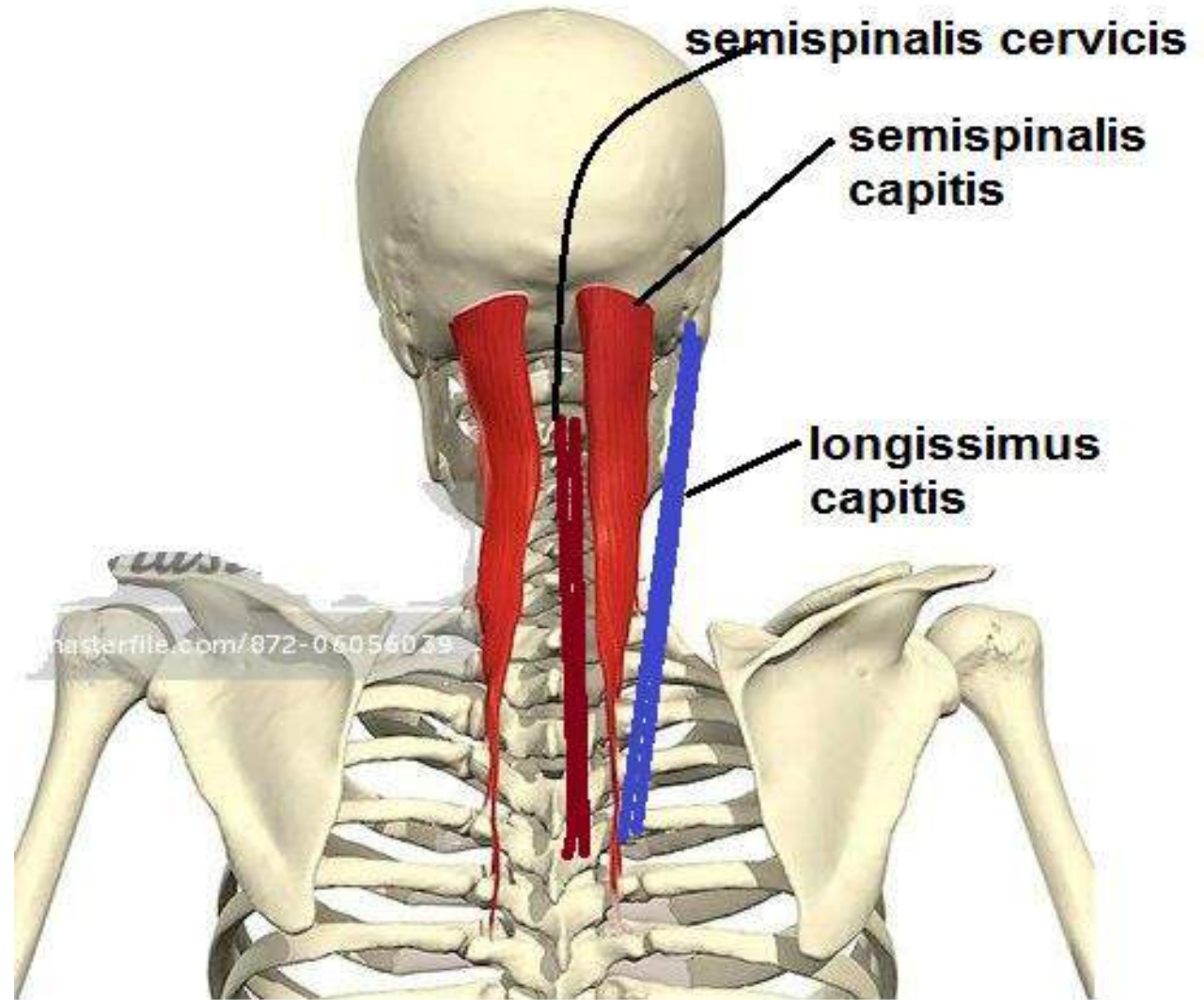
POSTVERTEBRAL MUSCLES

2ND LAYER



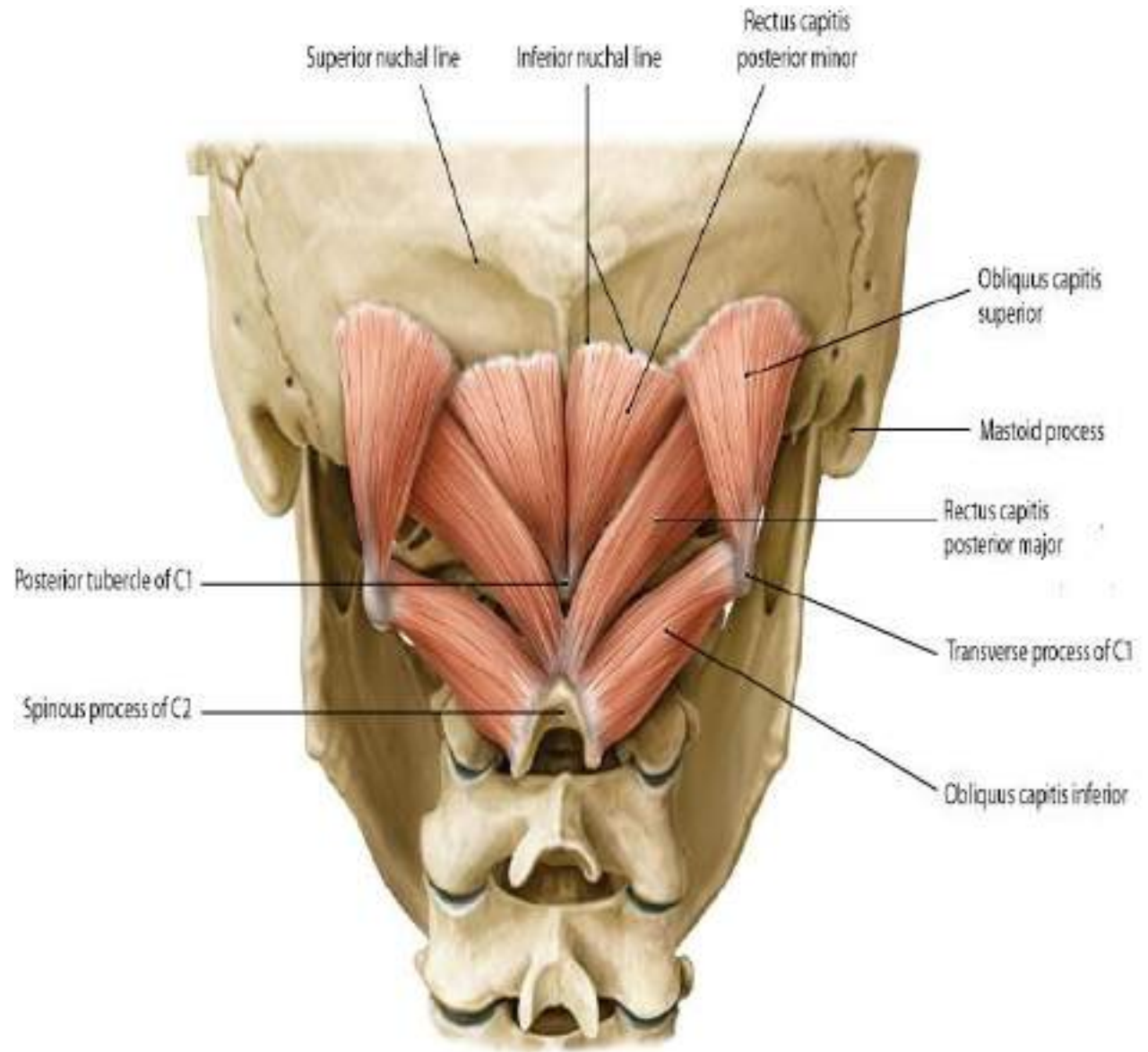
POSTVERTEBRAL MUSCLES

3RD LAYER



POSTVERTEBRAL MUSCLES

4TH LAYER (SUBOCCIPITAL MUSCLES)



POSTVERTEBRAL MUSCLES

RECTUS CAPITIS POSTERIOR MINOR

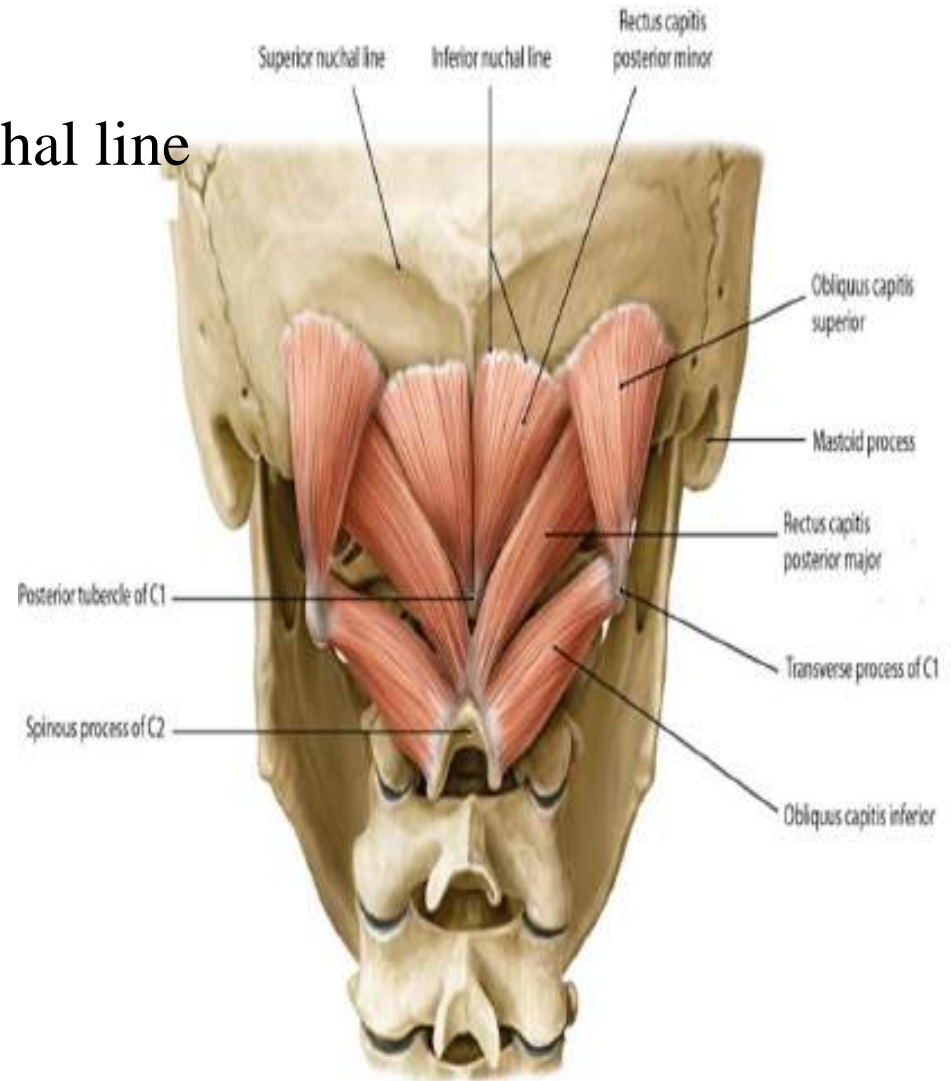
O.:-Posterior tubercle of C1

I.:- Medial area below inferior nuchal line

A. Extends head

N.S.:- Suboccipital n.

(dorsal ramus of C1 n.)



POSTVERTEBRAL MUSCLES

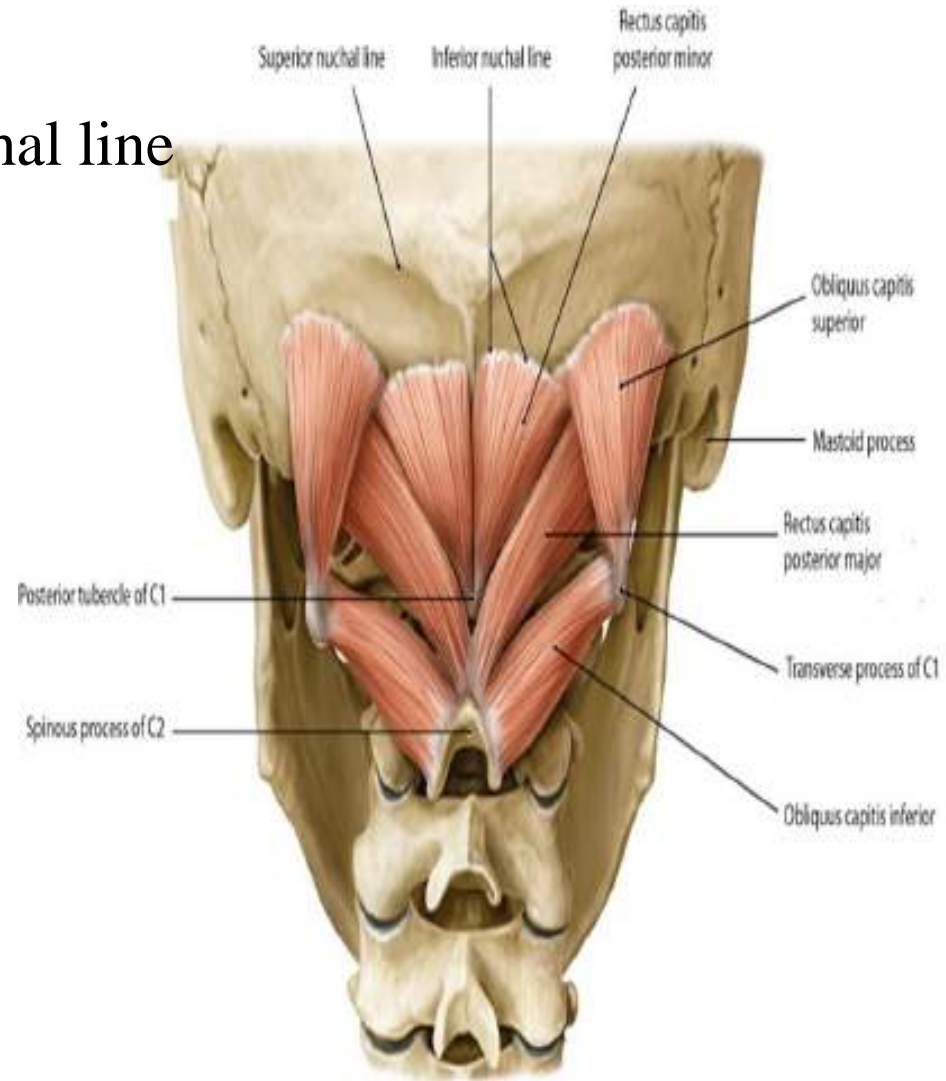
RECTUS CAPITIS POSTERIOR MAJOR

O.:- Spine of C2

I.:- Lateral area below inferior nuchal line

A. extends head
turns face to same side

N.S.:- Suboccipital n.
(dorsal ramus of C1 n.)



POSTVERTEBRAL MUSCLES

INFERIOR OBLIQUE

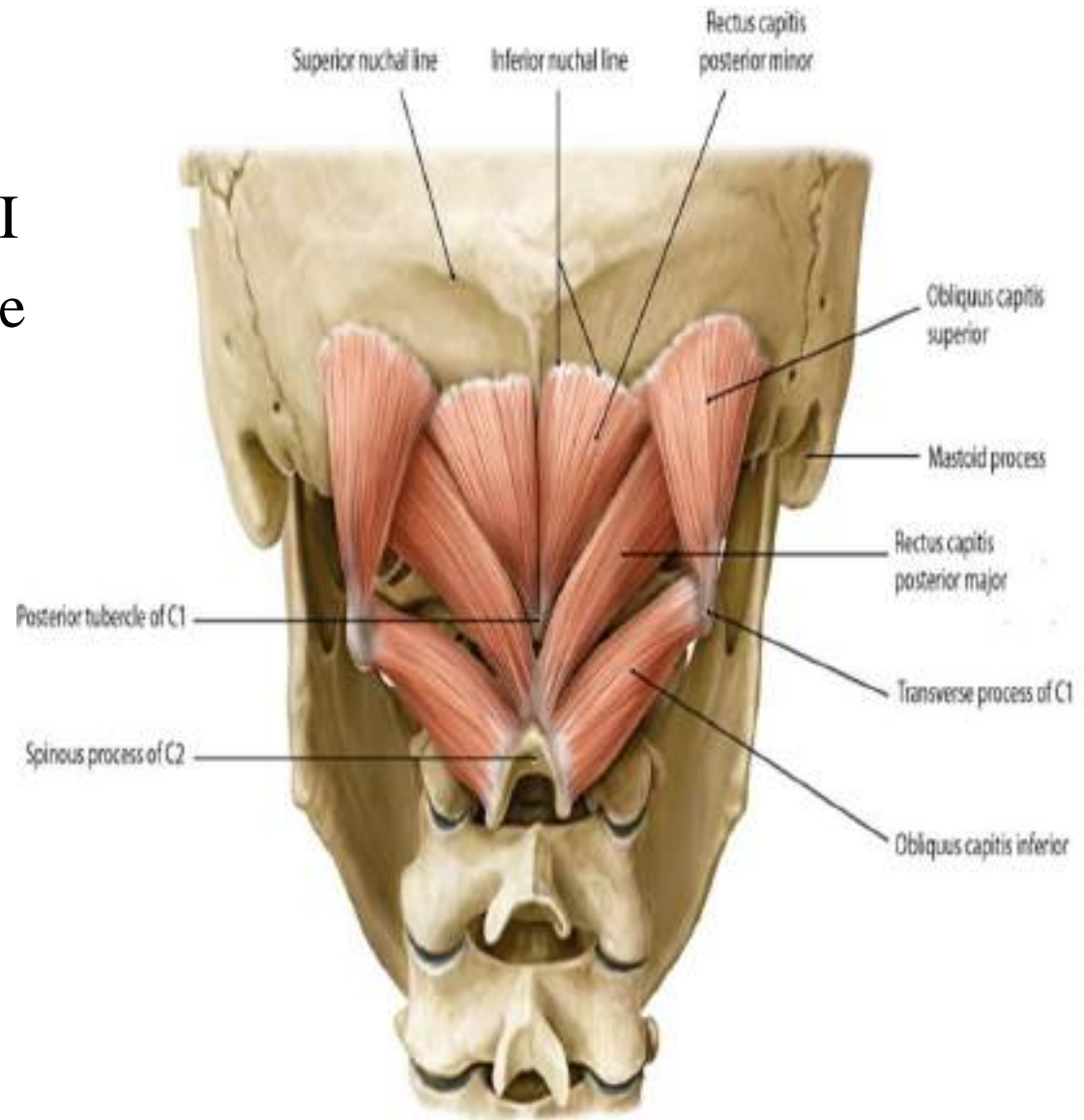
O.:- Spine of C2

I.:- Transverse process of C1

A. Turns face to same side

N.S.:- Suboccipital n.

(dorsal ramus of C1 n.)



POSTVERTEBRAL MUSCLES

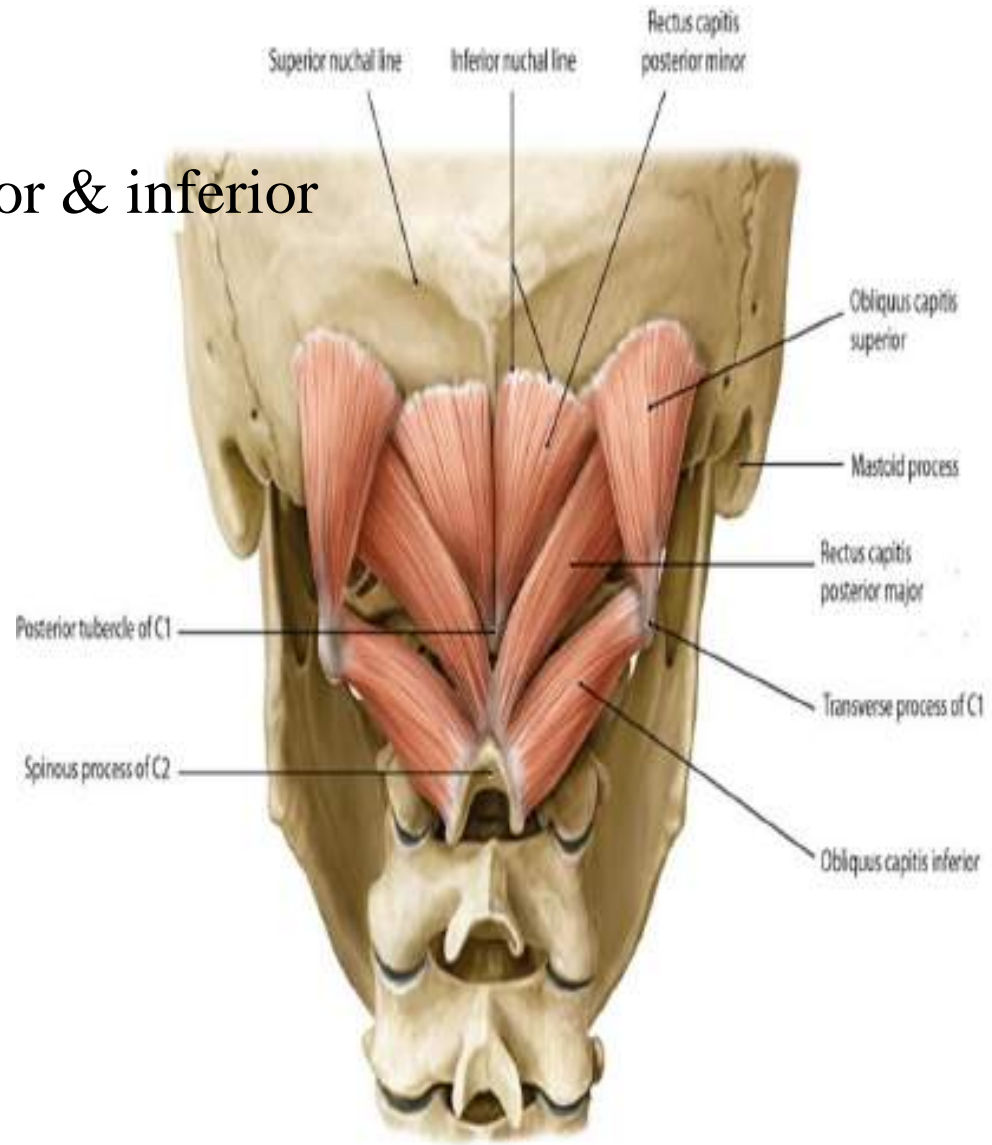
SUPERIOR OBLIQUE

O.:- Transverse process of C1

I.:- Lateral area between superior & inferior nuchal lines

A. Extends head

N.S.:- Suboccipital n.
(dorsal ramus of C1 n.)



SUBOCCIBITAL TRIANGLE

Boundaries:-

Inferior: - inferior oblique

Above & lateral: - superior oblique

Above & medial: -

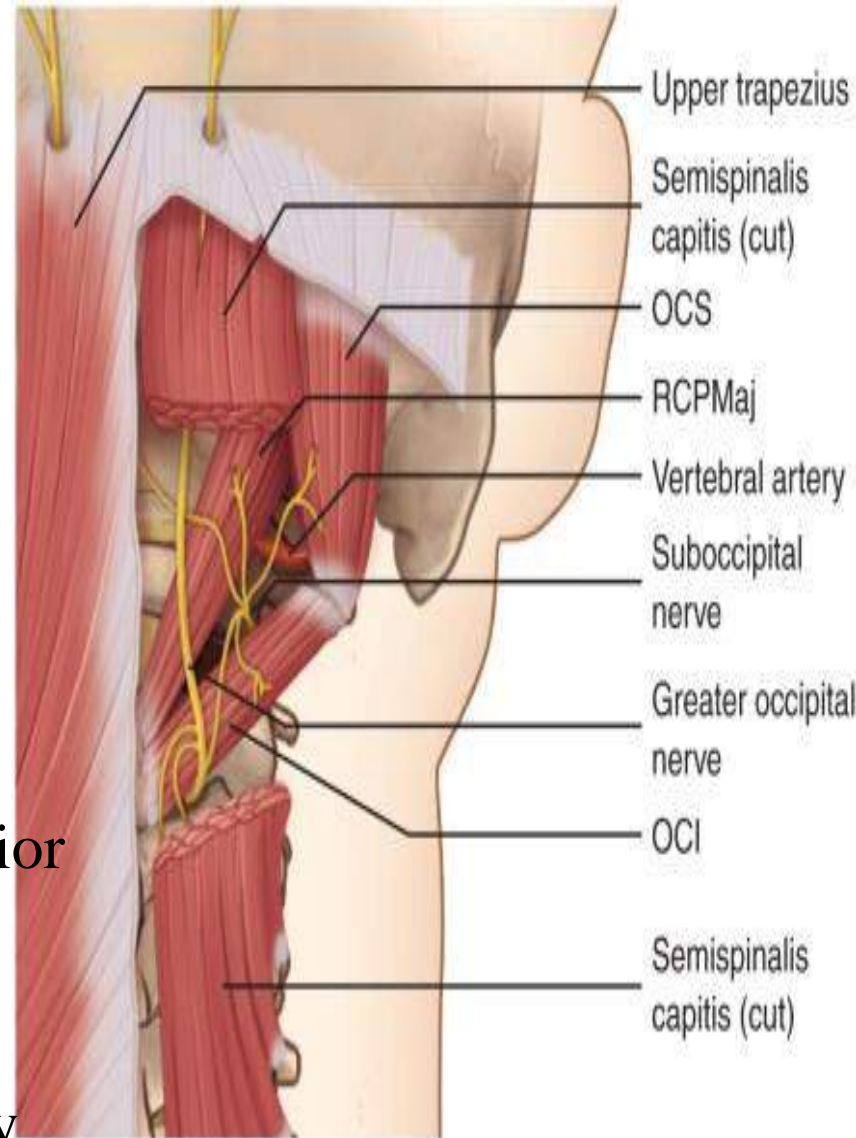
rectus capitis post. Major & minor

Roof: -

semispinalis capitis &
longissimus capitis &
greater occipital nerve

Floor: - posterior arch of atlas & posterior
atlanto-occipital membrane

Contents: - dorsal ramus of c1
3rd part of vertebral artery



THANQ