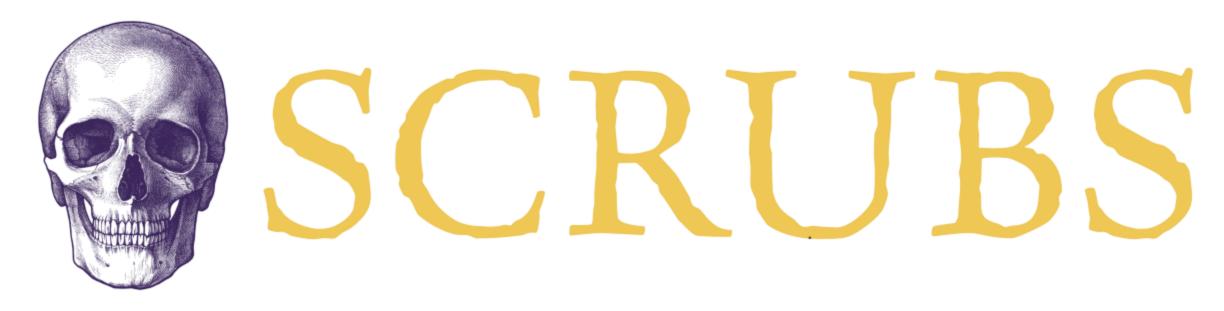
Organization and Triangles of Neck



STUDENT COLLABORATIVE RESOURCES FOR UNDERSTANDING AND BRODY SUCCESS

Mission Statement

SCRUBS is a student-driven initiative that aims to develop supplemental resources for current and future cohorts that will pass through Brody. Members of SCRUBS participate in a variety of subcommittees working to create resources for students, by students. These resources aim to offer unique perspectives from students that have walked in the same shoes, developing resources that we wish we had been exposed to during our time in the course.

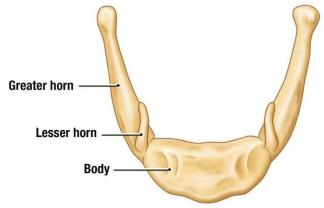
The hope is this organization will become a staple of the Brody student body, exemplifying the unique collaborative community that Brody offers. If this is a mission that aligns with your goals and you have the desire to help those that will come behind you, as well as a goal to leave your mark on Brody as a whole, we invite you to join the team!

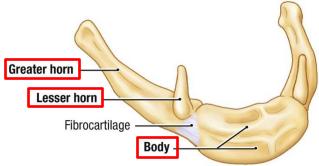
Disclaimer

The resources that are included in this document are made by students and not the faculty. As such, there is the possibility for errors in our development, although this is mitigated via a team approach to development with multiple stages of vetting. If there is a contradiction with the coursework presented within your course, please go by the course documents. Additionally, SCRUBS aims to supply *supplemental resources*, however these are in no way replacements to the instruction of the Brody faculty. Use these resources as a supplement, but not as your primary source for course material.

Osteology

- **Styloid Process**
- **Mastoid Process**
- Hyoid Bone
- Thyroid Cartilage





Mastoid process Styloid process Stylohyoid ligament Angle of mandible Hyoid Thyroid cartilage Mandible D. Anterosuperior View of Hyoid Bone Trachea Clavicle Manubrium of sternum C. Right Anterolateral View of Hyoid Bone

Organization

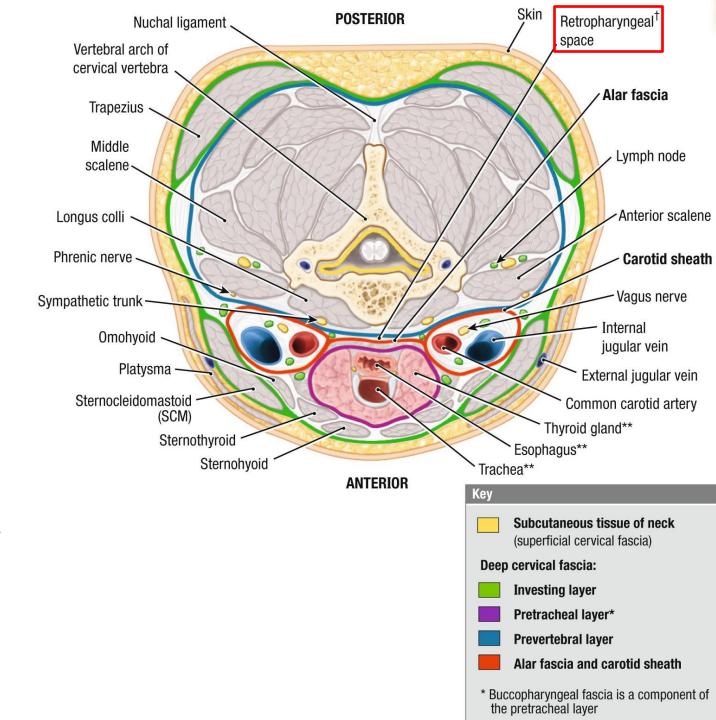
Organization of Neck

Superficial Fascia

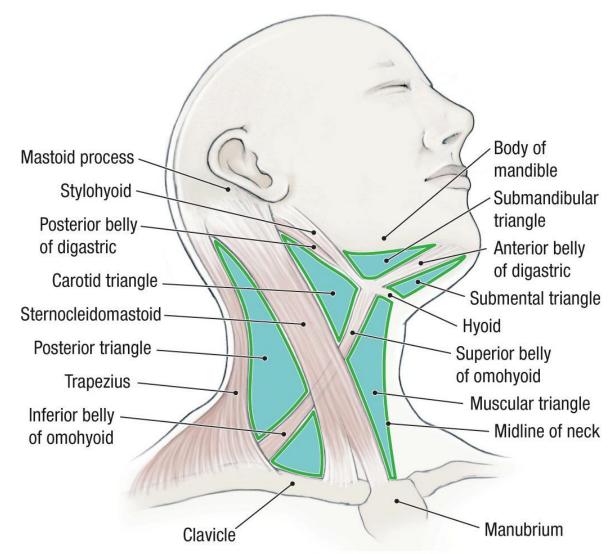
Location of the platysma muscle

Deep Cervical Fascia

- Investing fascia
- Prevertebral fascia
- Visceral fascia
- 4. Carotid Sheath
 - Medial: Common & internal carotid artery
 - Posterior/Between: Vagus nerve (CN X)
 - Lateral: Internal jugular vein



Triangles of the Neck



Anterior Muscles of the Neck

Suprahyoid Muscles

Pay attention to the names!

Stylohyoid

O: Styloid process I: Hyoid

N: CNVII

A: Swallowing/speaking

Mylohyoid

O: Mandible I: Hyoid

N: CNV3

A: Swallowing/speaking

Geniohyoid

O: Mandible I: Hyoid

N: CNXII

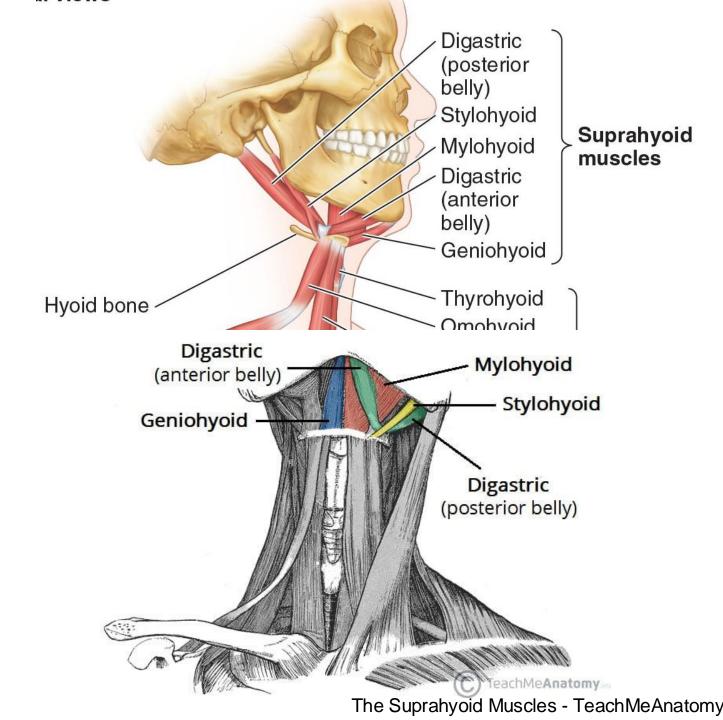
A: Swallowing/speaking

Digastric

O: Mandible I: Mastoid process

N: CNV3 branch (ant. belly)

A: Swallowing/speaking
CNVII branch (post. belly)



Infrahyoid Muscles

Pay attention to the names!

Omohyoid

O: Scapula I: Hyoid

N: Ansa Cervicalis (C1-C3)
A: Swallowing/speaking

Sternohyoid

O: Sternum/clavicle I: Hyoid

N: Ansa Cervicalis (C1-C3)

A: Swallowing/speaking

Sternothyroid

O: Sternum I: Thyroid Cartilage

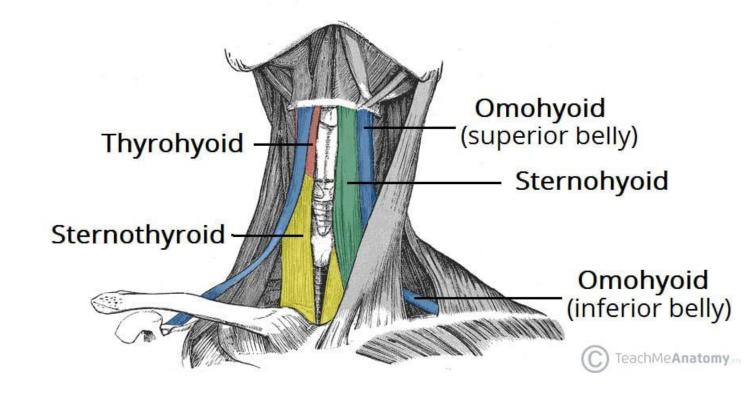
N: Ansa Cervicalis (C1-C3)
A: Swallowing/speaking

Thyrohyoid

O: Thyroid Cartilage I: Hyoid

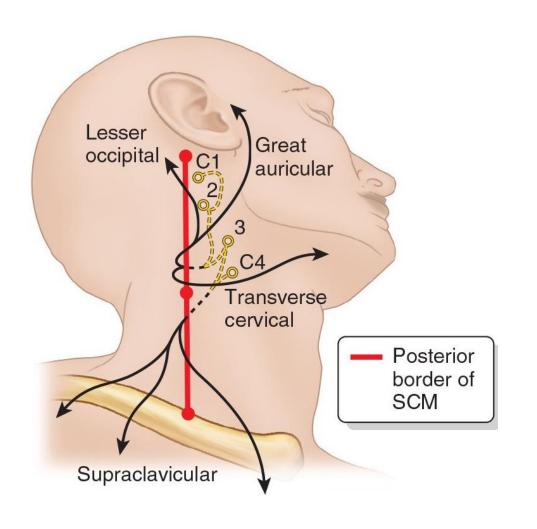
N: CNXII

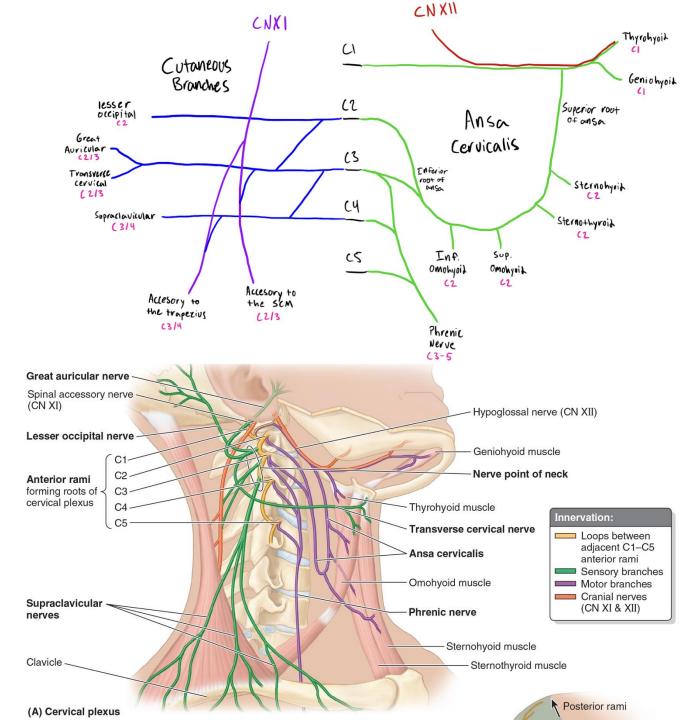
A: Swallowing/speaking



Cervical Plexus

Cervical Plexus



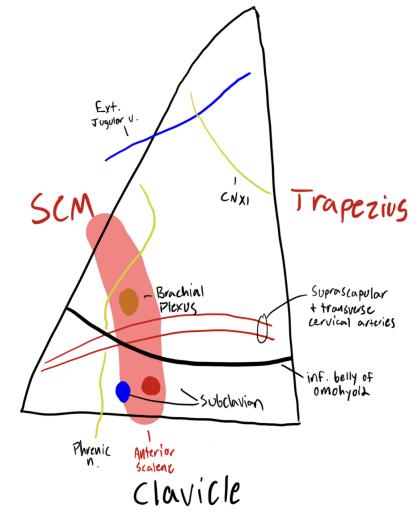


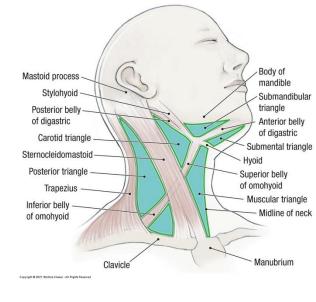
Triangles of the Neck

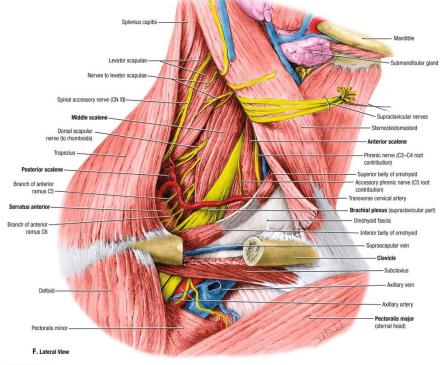
Posterior Triangle

CONTENTS

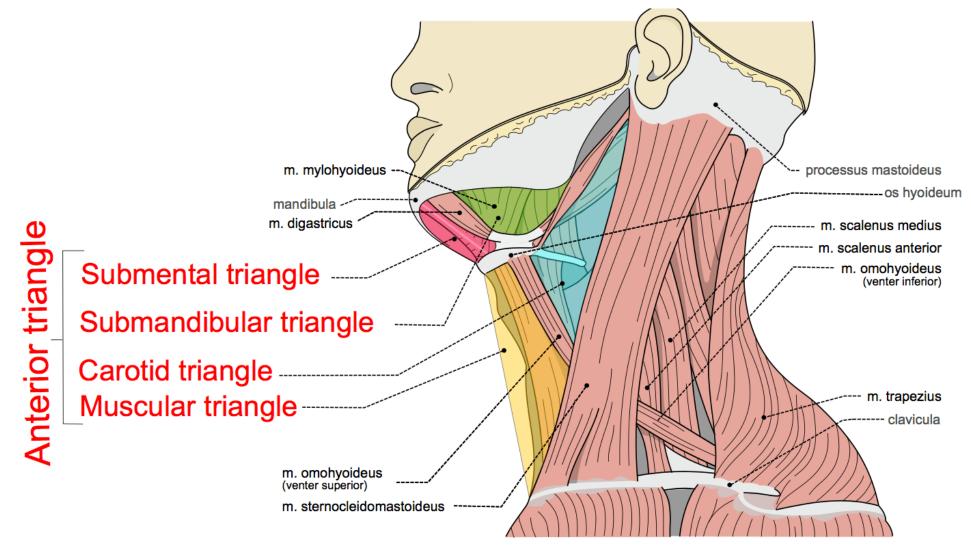
- Accessory nerve
- Cutaneous branches of cervical plexus
- Transverse cervical a.
- Suprascapular arteries a.
- Anterior scalene muscle
- Brachial plexus
- Subclavian vessels
- Phrenic nerve
- Inferior belly of omohyoid





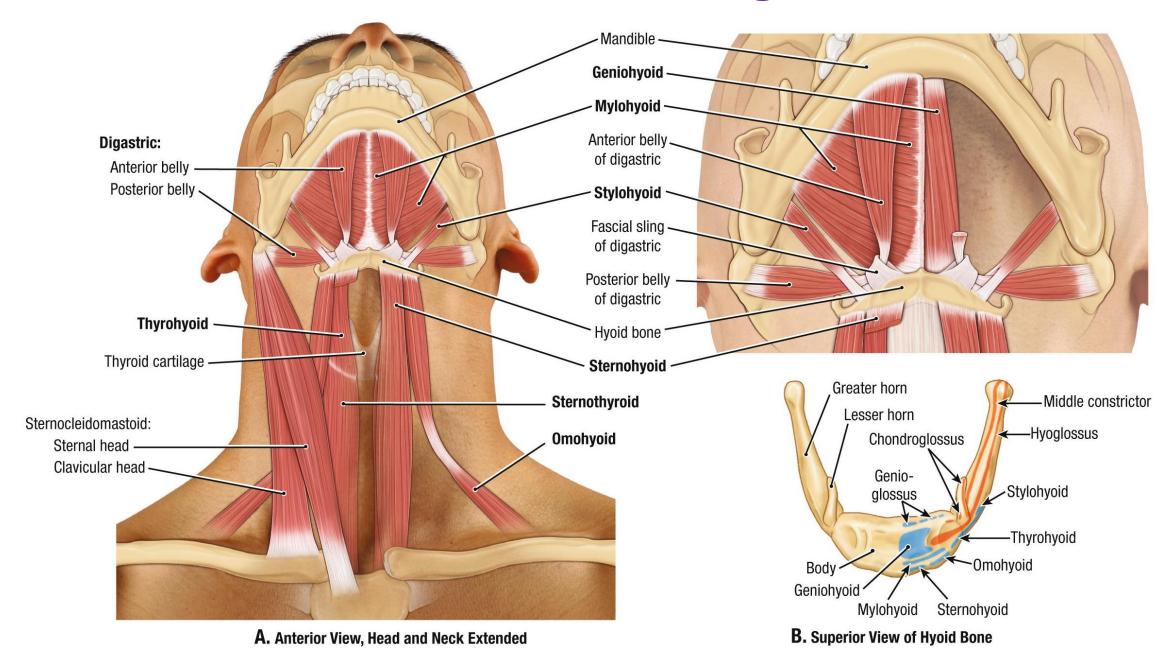


Anterior Triangle

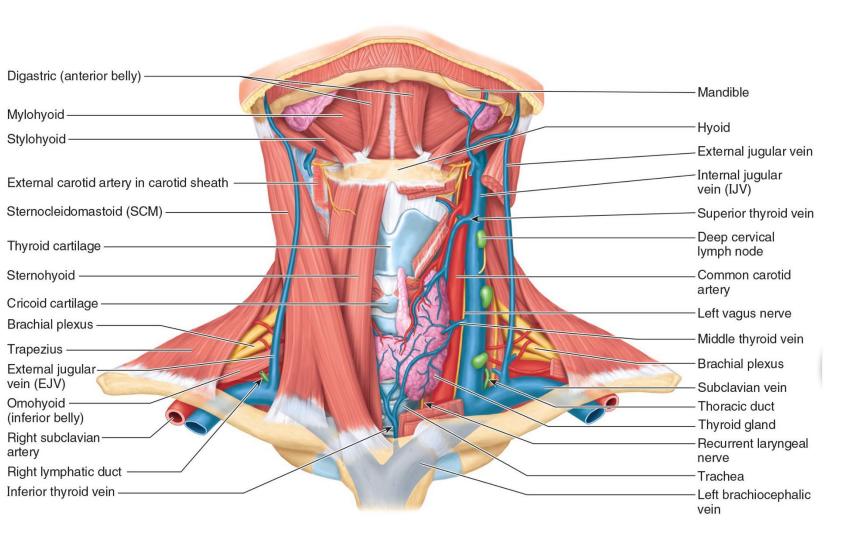


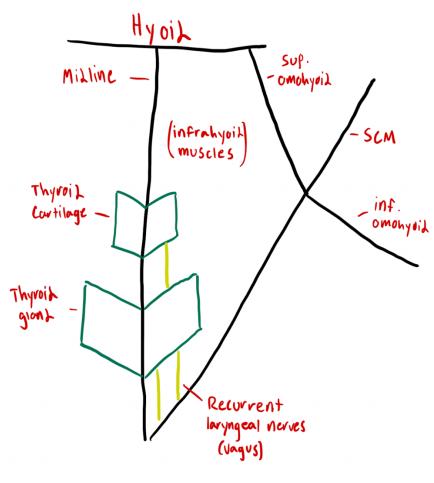
Anterior triangle of the neck. Wikipedia. Feb 2021.

Submental Triangle

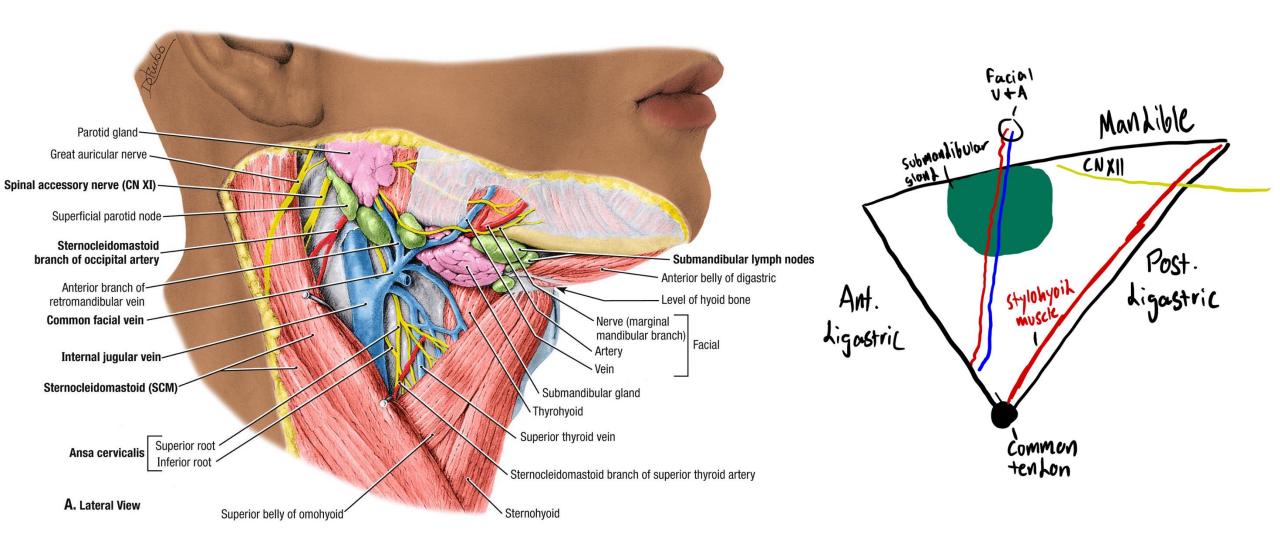


Muscular Triangle

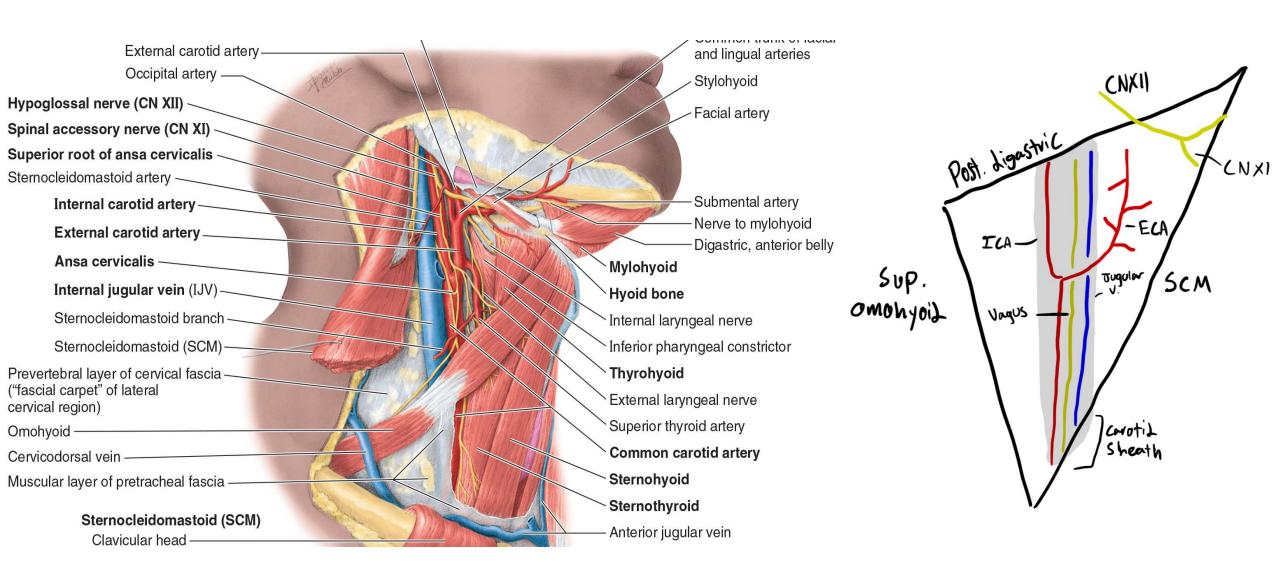




Submandibular Triangle



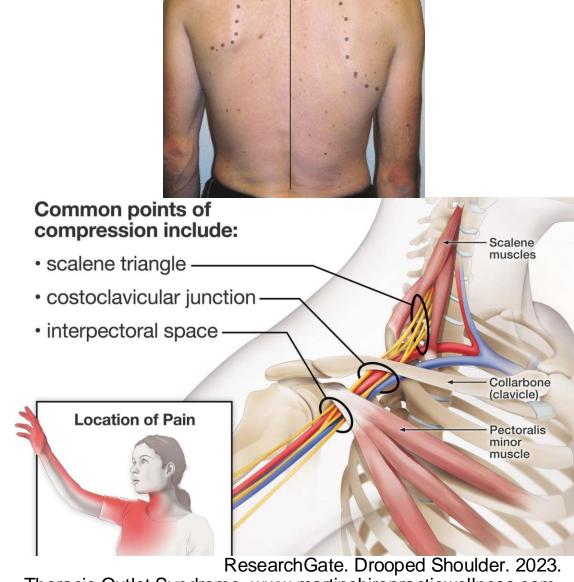
Carotid Triangle



Clinical Anatomy

Clinical Correlations

- Inflammation of prevertebral fascia: spread thru retropharyngeal space to reach thoracic cavity
- Anesthesia of skin/neck/chest: Block cutaneous nerves at post. border of the SCM
- Superficial wound in posterior triangle: can sever CNXI = drooped shoulder
- Thoracic outlet syndrome: At thoracic outlet/inlet pressure on brachial plexus / subclavian artery = pain & numbness in upper extremity



Thoracic Outlet Syndrome. www.martinchiropracticwellness.com.