

Neck: root & prevertebral region**Objectives**

By the end of this lab students are expected to be able to

1. Describe the scalenus anterior (key muscle of the root of the neck) and its relation
2. Discuss the course, parts, and branches of the subclavian artery
3. Describe formation, course and tributaries of the subclavian vein
4. Comprehend the different course of the right and left recurrent laryngeal nerves
5. Identify the scalenus anterior and its related structures

**Lab check list**

- First rib
- Manubrium of sternum
- First thoracic vertebra
- Scalenus posterior.
- Scalenus medius.
- Scalenus anterior.
  - Anterior relations:
    - Phrenic nerve
    - Subclavian vein
    - Inferior belly of omohyoid
    - Carotid sheath
  - Posterior relations:
    - Roots of brachial plexus
    - Subclavian artery (2<sup>nd</sup>)
    - Scalenus medius muscle
- Vertebral artery
- Thyrocervical trunk
- Inferior thyroid artery

## Exercise:

- A. Identify the numbered structures
- B. The structure numbered ..... provide motor supply to diaphragm
- C. The structure numbered ..... is part of the boundaries of the neck root
- D. The structure numbered ..... provide nerve supply to upper limb
- E. The structure numbered ..... is a branch of the arch of the aorta on the right

