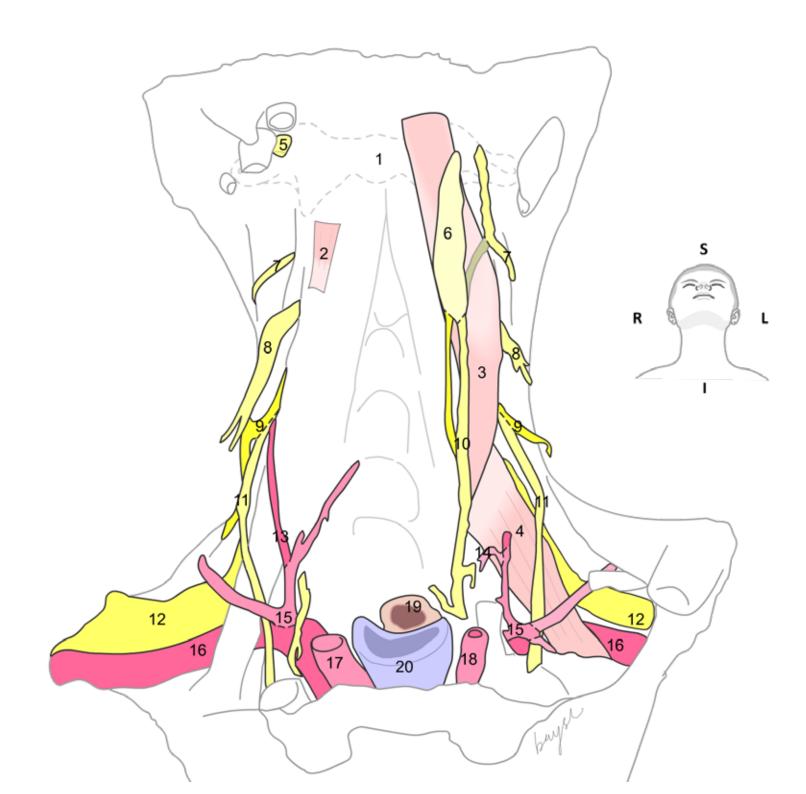
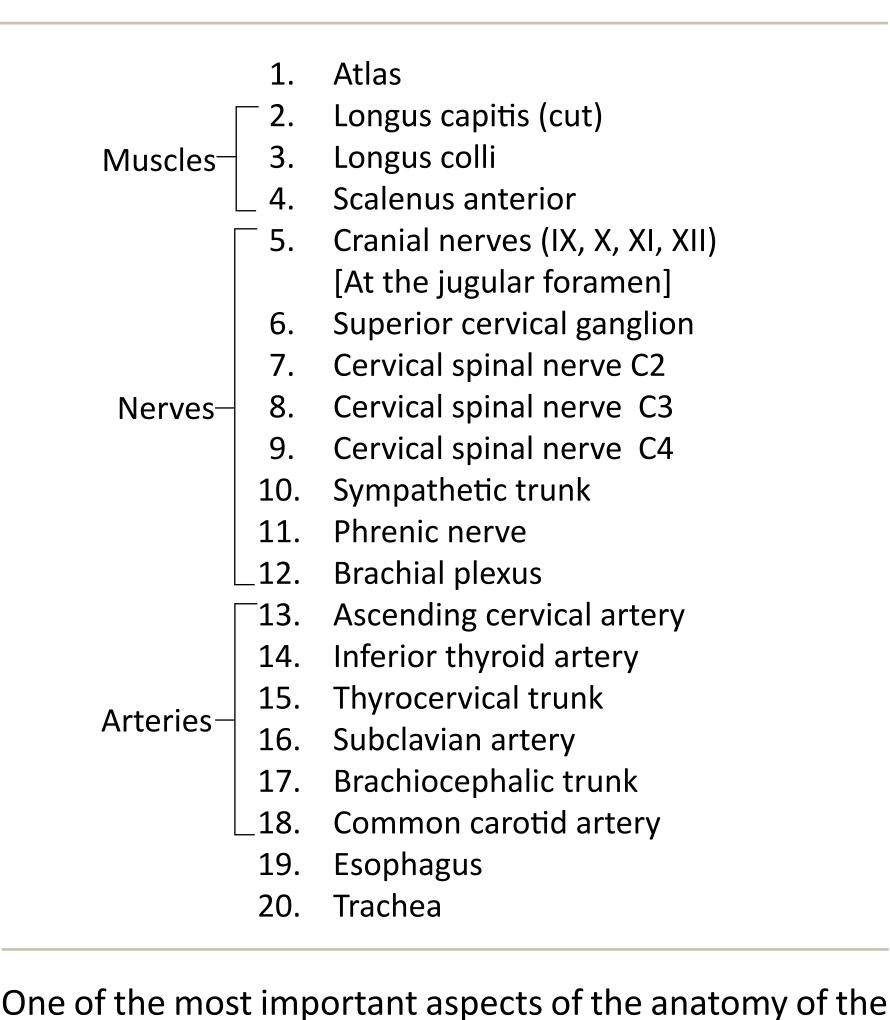
## **ROOT & PREVERTIBRAL REGION OF NECK**



Anterior view of the root of neck showing the deep structures of the neck which include the trachea, esophagus, subclavian artery (right), common carotid (proximal part only), prevertebral muscles (longus coli and longus capitis, scalenus anterior) and the cervical sympathetic trunk and ganglia (superior cervical sympathetic ganglion).



root of the neck is the fact that the dome of the pleura (cervical pleura) and the lung extends superiorly for some distance into the neck region. Injury to the cervical pleura may lead to pneumothorax.

The scalenus anterior muscle is a "key structure" at the root of the neck as many important structures are closely

Clinical Correlation — A lesion of the cervical sympathetic trunk such as the superior cervical

related to it: phrenic nerve, subclavian artery and vein,

Q: Name the epithelial lining of the trachea and esophagus.

sympathetic ganglion may result in Horner's syndrome.

Q: Name two structures in the head supplied by the superior cervical sympathetic ganglion.

Q: Where are the cell bodies of the preganglionic

sympathetic neurons located?

Q: Which nerve is closely associated with the inferior thyroid artery? What would be the functional loss if this

nerve is damaged?

Kindly ignore numbering in the actual specimen

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**Updated version** 

Q: What is "subclavian steal syndrome"?