

Unit 22:

Neck 3 (deep structures of neck, thyroid & parathyroid glands and cervical segments of trachea & esophagus)

Chapter 8 (Neck): (p. 1012-1021, 1030-1032 and 1038-1040)

GENERAL OBJECTIVES:

- general considerations of the organization of deep structures of neck
- structure and function of endocrine glands in the neck
- anatomy of cervical segments of trachea and esophagus

SPECIFIC OBJECTIVES:

Root of Neck

Boundaries: *Anterior, Posterior & Inferior* (thoracic inlet)
Contents: Fascia: Prevertebral, Pretracheal, Carotid Sheath
Muscles: Prevertebral muscles (anterior and lateral)
Viscera:
 Trachea
 Oesophagus
 Thyroid Gland: Position, Parts & Key Relations
 Arteries & Veins. Lymphatics & Nerves
 Parathyroid Glands
 Apex of Lung
 Thymus (in early life)
Serous Membranes: *Cervical Pleura*
Arteries: *Common Carotid*
 Subclavian (1st. & 2nd. Parts)
 Branches: *Vertebral (1st. part)*
 Thyrocervical Trunk & Branches
 Internal Thoracic & Costocervical Trunk
Veins: *Internal Jugular (& Tributaries)*
 Subclavian (& Tributaries)
 Inferior Thyroid
Lymph Nodes & Lymphatics:
 Lower Deep Cervical Nodes
 Thoracic Duct
 Right Lymphatic Duct
Nerves: *Vagus & Recurrent Laryngeal Branch*
 Phrenic
 Ventral Rams of T:1
 Sympathetic Trunk + Ganglia: Stellate, Middle Cervical