

**NERVE SUPPLY:**  
**HYPOGLOSSAL NERVE.**



**Hyoglossus muscle**

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اتجاه ال fiber  
 من تحت ← فوق

**Mylohyoid muscle**



من فوق ← تحت

**2. Hypoglossal nerve (12<sup>th</sup> cranial nerve):**

- It crosses **superficial to 3 arteries:** internal carotid, external + lingual

**Hypoglossal nerve** (Origin: Carotid)

sub mandibular + digastric

Occipital artery: in carotid and → posterior Δ

facial: sub mandibular → in carotid → digastric Δ → face

**Carotid sheath:**

- 1 common & internal carotid arteries
- 2 vagus nerve
- 3 Internal jugular vein (IJV)



6- sympathetic trunk embedded in the posterior wall of the carotid sheath. → carotid sheath ١٢٤٦



3-Ansa cervicalis is a nervous loop that descends in front of the carotid sheath and supply infra hyoid muscles.

carotid sheath

**Carotid sheath:**

→ وراها sympathetic trunk  
 → قدامها Ansa loop

4- Superior laryngeal nerve It lies deep to every artery.

**E) Deep cervical lymph nodes: Related to IJV.**

العلاقة بالتبطين اللوزي

external jugular vein

① posterior  
 ↓ Deep  
 ② subclavian

anterior jugular vein

① submental  
 ③ jugular arch → external jugular

internal jugular vein

→ common facial + retromandibular

Content of muscular Δ

**2. Structures in the median region of the neck below the hyoid bone:**

- A. Thyrohyoid membrane
- B. thyroid cartilage
- C. cricoid cartilage
- D. cricothyroid membrane
- E. cricothyroid muscle
- F. isthmus of thyroid gland
- G. jugular arch
- H. inferior thyroid veins.

the commonest swelling in Muscular triangle  
 → thyroid swelling

deep fascia + thyroid N pri trachea

**3- Prelaryngeal and pretracheal lymph nodes.**