

Cross Sectional Anatomy: **Head and Neck**

Section 1: a. occipitofrontalis muscle
b. coronal suture
c. superficial temporal artery
d. galea aponeurotica
e. superior sagittal sinus
f. branch of occipital artery
g. frontal bone

Section 2: a. falx cerebri
b. longitudinal fissure
c. superior sagittal sinus
d. occipital bone
e. frontal sinus

Section 3: a. crista galli
b. temporalis muscle
c. parietal bone
d. occipital bone
e. frontal sinus

Section 4: a. bony septum
b. orbital part of lacrimal gland
c. anterior cerebral artery
d. superior sagittal sinus
e. temporalis muscle
f. frontal bone
g. frontalis muscle (of occipitofrontalis muscle)

Section 5: a. orbicularis oculi muscle
b. retina
c. temporalis muscle
d. ethmoid bone
e. temporal bone
f. ethmoid air cells
g. vitreous chamber

Section 6: a. angular vein
b. ethmoid air cell
c. lens

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- d. zygomatic bone
- e. lateral rectus muscle
- f. tendon of temporal muscle
- g. internal carotid artery
- h. temporal bone
- i. lambdoidal suture
- j. optic chiasm
- k. sphenoid sinus
- l. medial rectus muscle
- m. optic nerve
- n. tarsal plate
- o. septal cartilage
- p. nasal bone

- Section 7:**
- a. greater wing of sphenoid bone
 - b. superficial temporal artery
 - c. CN VII & CN VIII
 - d. mastoid air cells
 - e. transverse sinus
 - f. internal carotid artery
 - g. inferior rectus muscle
 - h. nasolacrimal duct
 - i. nasal bone

- Section 8:**
- a. facial vein
 - b. maxillary sinus
 - c. temporalis muscle
 - d. masseter muscle
 - e. lateral pterygoid muscle
 - f. neck of mandible
 - g. internal carotid artery
 - h. mastoid air cells
 - i. maxillary artery and retromandibular vein
 - j. temporomandibular joint
 - k. lateral pterygoid plate
 - l. coronoid process
 - m. middle nasal concha
 - n. maxilla
 - o. vomer

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- Section 9:**
- a. medial pterygoid muscle
 - b. ramus of mandible
 - c. parotid gland
 - d. internal carotid artery
 - e. internal jugular vein
 - f. trapezius muscle
 - g. splenius capitis muscle
 - h. levator veli palatini
 - i. auditory tube
 - j. inferior nasal concha

- Section 10:**
- a. facial vein
 - b. medial pterygoid muscle
 - c. parotid gland
 - d. retromandibular vein
 - e. superior temporal artery
 - f. internal carotid artery
 - g. ligamentum nuchae
 - h. semispinalis capitis muscle
 - i. sternocleidomastoid muscle
 - j. vertebral artery
 - k. masseter muscle
 - l. nasopharynx
 - m. buccinator muscle

- Section 11:**
- a. vestibule
 - b. genioglossus muscle
 - c. facial vein
 - d. palatine tonsil
 - e. oropharynx
 - f. posterior belly of digastric muscle
 - g. levator scapulae muscle
 - h. body of C2 vertebra
 - i. spinal cord
 - j. semispinalis capitis muscle
 - k. sternocleidomastoid muscle
 - l. internal carotid artery
 - m. masseter muscle
 - n. buccinator muscle

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- Section 12:**
- a. geniohyoid muscle
 - b. mylohyoid muscle
 - c. submandibular gland
 - d. external carotid artery
 - e. external jugular vein
 - f. internal carotid artery
 - g. pharyngeal constrictor muscles
 - h. body of C3 vertebrae
 - i. sternocleidomastoid muscle
 - j. oropharynx
 - k. lingual tonsil
 - l. hyoglossus muscle
 - m. anterior belly of digastric muscle
 - n. platysma muscle
 - o. body of mandible

- Section 13:**
- a. geniohyoid muscle
 - b. mylohyoid muscle
 - c. anterior belly of digastric muscle
 - d. hyoglossus muscle
 - e. piriform recess
 - f. internal carotid artery
 - g. internal jugular vein
 - h. intervertebral disc between C3/C4 vertebra
 - i. semispinalis cervicis muscle
 - j. semispinalis capitis muscle
 - k. splenius capitis muscle
 - l. trapezius muscle
 - m. sternocleidomastoid muscle
 - n. pharyngeal constrictor muscles
 - o. epiglottis
 - p. submandibular gland
 - q. platysma muscle
 - r. mentalis muscle

- Section 14:**
- a. sternohyoid muscle
 - b. thyrohyoid muscle
 - c. omohyoid muscle
 - d. thyroid gland
 - e. common carotid artery

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- f. vagus nerve
- g. internal/external jugular veins
- h. trapezius muscle
- i. levator scapulae muscle
- j. rhomboid minor muscle
- k. pharyngeal constrictor muscles
- l. laryngopharynx
- m. posterior scalene muscle
- n. anterior scalene muscle
- o. middle scalene muscle
- p. clavicle
- q. platysma muscle
- r. sternocleidomastoid muscle
- s. arytenoid cartilage
- t. thyroarytenoid muscle
- u. thyroid cartilage
- v. transverse and oblique arytenoid muscles

- Section 15:**
- a. inferior belly of omohyoid muscle
 - b. posterior scalene muscle
 - c. middle scalene muscle
 - d. anterior scalene muscle
 - e. internal jugular vein
 - f. common carotid artery
 - g. sternocleidomastoid muscle
 - h. tracheal cartilage
 - i. thyroid gland
 - j. trachea
 - k. esophagus
 - l. sternohyoid muscle
 - m. sternothyroid muscle
 - n. sternocleidomastoid muscle
 - o. inferior belly of omohyoid muscle
 - p. clavicle