

Anatomy Week 17

1. With regard to the tongue:

- A. The chord tympani is derived from the inferior salivatory nucleus
- B. The lingual nerve carries sensation to the posterior 2/3 of the tongue
- C. The anterior 1/3 of the tongue is supplied by the glossopharyngeal nerve
- D. The motor supply of the tongue is the trigeminal nerve
- E. The transversus muscle narrows the tongue without altering its volume

2. The temporomandibular joint is:

- A. capable of three movements
- B. more stable in the open position
- C. more frequently dislocated posteriorly
- D. held open in dislocation by spasm of the buccinator
- E. supplied by the posterior auricular nerve

3. With regard to the eye:

- A. The nerve to the medial rectus is derived from the inferior division of the oculomotor nerve
- B. Oculomotor paralysis leaves the unopposed actions of the inferior oblique and the lateral rectus muscles
- C. The consensual light reflex does not require an intact pretectal nucleus
- D. The ciliary muscles consist of smooth and striated muscle
- E. The bulk of the iris is composed of muscular tissue

4. All of the following lie anterior to scalenus anterior EXCEPT:

- A. Vagus nerve
- B. Internal jugular vein
- C. Brachial plexus
- D. Thoracic duct
- E. Phrenic nerve

5. Within the larynx:

- A. The most important action of the laryngeal muscles is phonation
- B. Pitch is altered by shortening of the closed vocal cords by the thyroarytenoid muscle
- C. The ary-epiglottic muscle moves the vocal folds
- D. The blood supply of the larynx is wholly derived from the external carotid artery
- E. Division of the superior laryngeal branch of the vagus will result in a husky voice

6. The parotid:

- A. contains predominantly mucinous acini
- B. has a flat anterior border
- C. receives secretomotor fibres derived from C2C3C4
- D. receives a parasympathetic supply from the glossopharyngeal nerve and the nervus intermedius
- E. has a sympathetic root from the superior cervical ganglion by fibres running with the middle meningeal and external carotid arteries

7. The recurrent laryngeal nerve:

- A. hooks around the subclavian vein on the right
- B. supplies cardiac branches, the trachea, oesophagus and all the laryngeal muscles
- C. passes behind the cricothyroid joint
- D. lies on the pretracheal fascia
- E. usually passes anteriorly to the inferior thyroid artery on the left

8. Concerning the blood supply of the nose, which of the following is TRUE?

- A. Little's area is on the lateral wall
- B. Ethmoidal arteries provide the main supply
- C. The pharyngeal artery enters the palatovaginal canal
- D. Epistaxis is most commonly from the septum anteriorly
- E. The sphenopalatine artery enters the incisive canal

9. The sensory root of the facial nerve:

- A. Arises from the sulcus between the pons and the medulla
- B. Is called the nervus intermedius
- C. Presents as a swelling in the bend called the otic ganglion
- D. Emerges from the base of the skull through the foramen ovale
- E. Supplies the mucous membrane of the posterior third of the tongue

10. Which of the following is NOT a branch of the trigeminal nerve:

- A. Supraorbital nerve
- B. Great auricular nerve
- C. Mental nerve
- D. Lacrimal nerve
- E. Auriculotemporal nerve

11. Which of the following statements about the motor system of the cerebral cortex is FALSE?

- A. In most parts six layers of nerve cells can be distinguished.
- B. The motor area representing the leg lies on the medial side of the hemisphere.
- C. Damage to the speech area will not cause laryngeal paralysis.
- D. Posture is largely mediated via the supplementary motor area.
- E. The motor areas have no connections to the opposite motor cortex.

12. The Blood Brain Barrier:

- A. Only allows amino acids, fats and sugars to be transported.
- B. Lacks fenestrations and zonulae occudentes
- C. Has enveloping astrocyte foot processes instead of basal lamina
- D. Is innervated by sympathetic fibres only
- E. Is missing from some parts of the hypothalamus.

Answers Anatomy Week 17

1. E
2. A
3. A
4. D
5. B
6. E
7. C
8. D
9. B
10. B
11. E
12. E