

CNS-Histology

Archive

Lecture 2

Spinal cord

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1. Dorsal column-medial lemniscus pathway, which of the following statements best describe it?

- a. mediates light touch and pressure
- b. mediates unconscious proprioception.
- c. receives input from Merkel tactile disks
- d. First-order neurons are located in dorsal root ganglia at all levels.
- e. Third-order neurons are located in the Posterior nucleus of the thalamus.

Answer: d

2. ___ motor neuron starts in the spinal and innervate muscles

- a . Upeper motr neuron
- d . Lower motor neuron

Answer: d

3. About lateral corticospinal tract, which of the following is incorrect

- a. crossed
- b. Contralateral dorsal quadrant of the lateral funiculus of the spinal cord
- c. Smaller than ventral corticospinal tract
- d. Arises from lamina V of the cerebral cortex

Answer: c

4. What tract carries efferent, motor, information from the primary motor cortex to the muscles of face, neck and head?

- a. Corticobulbar
- b. Descending autonomic tracts
- c. Rubrospinal tractd.
- d. Ascending
- e. Vestibulospinal tract

Answer: a

5. The following statements describe Ascending Spinal Tracts, which one is wrong?

- a. Represent functional pathways
- b. They convey sensory information from soma or viscera to higher levels of the
- c. Always consist of a chain of three neurons: first-, second-, and third-order neurons.
- d. May decussate before reaching their final destination.
- e. Give rise to collateral branches that serve in local spinal reflex arcs.

Answer: c

6. All of the following tracts are ASCENDING except?

- a. Dorsal column-medial lemniscus
- b. Ventral spinothalamic tract
- c. Lateral spinothalamic tract
- d. dorsal spinothalamic tract
- e. Cuneocerebellar tract

Answer: d

7. About tracts first order neuron, which of the following is

- a. Ventral spinocerebellar tract → DRG of T1-S2 ✓

Answer: a

8. Which of the following is incorrect?

- a. Vestibulo-spinal tract << flexor tone
- b. Vestibulo-spinal tract << extensor tone

9. BITZ cells :

- a. Internal pyramidal layer
- b. External pyramidal layer

Answer: a