

ASCENDING TRACTS

1) Sense of movement of knee joint (conscious proprioception) is mediated by:

- A. Cuneate tract
- B. Lateral spinothalamic
- C. gracile tract
- D. Ventral spinothalamic t
- E. Cuneo cerebellar tract.

2) Pain and temperature sensations from the body is mediated by:

- A. gracile tract
- B. Lateral spinothalamic tract.
- C. Ventral spinothalamic tract.
- D. Ventral spinocerebellar tract.
- E. Dorsal spinocerebellar tract.

3) Unconscious proprioception is mediated by:

- A. Dorsal spinocerebellar tract.
- B. Ventral spinocerebellar tract.
- C. cuneocerebellar tract.
- D. All of the above.
- E. A and b only.

4) Lesion in the gracile tract doesn't cause one of the following in the same side:

- A. Loss of sense of vibration over the medial malleolus.
- B. Loss of sense of movement of the big toe.
- C. Loss of sense of movement of the thumb.
- D. Loss of discriminative touch from the knee.
- E. Loss of tactile localization over the front of the thigh.

5) Lesion in the medial lemniscus causes:

- A. Contralateral loss of pain and temperature sensation.
- B. Contralateral loss of sense of movement.
- C. Ipsilateral loss of discriminative touch.
- D. Ipsilateral loss of pain and temperature sensation.
- E. Ipsilateral loss of sense of movement.

6) The tracts of the spinal cord:

- A. Proprioception (kinesthesia) is carried by the ventral column tracts.
- B. Pain and heat sensations are carried by the ventral spinothalamic tract.
- C. Discriminative touch sensation is carried by the gracile tract.
- D. Crude touch sensation is carried by the lateral spinothalamic tract.
- E. Lateral spinothalamic tract relays in the VPM nucleus of the thalamus.

7) Discriminative touch sensation from the body is mediated by:

- A. Lateral spinothalamic tract.
- B. Ventral spinothalamic tract
- C. Dorsal spinocerebellar tract.
- D. Ventral spinocerebellar tract.
- E. Medial lemniscus.

8) Crude touch sensation from body is carried by

- A. Lateral spinothalamic
- B. Ventral spinothalamic
- C. Trigeminal lemniscus
- D. Medial lemniscus

9) Pain sensation from face is carried along

- A. Main sensory nucleus
- B. Spinal trigeminal nucleus
- C. Mesencephalic nucleus
- D. Trigeminal motor nucleus
- E. Facial nucleus

10) Unconscious proprioception is carried by

- A. Lateral spinothalamic
- B. Ventral spinothalamic
- C. Cuneocerebellar
- D. Medial lemniscus
- E. Gracile nucleus

11) ventral column contains..... tract

- A. lateral spinothalamic
- B. ventral spinocerebellar
- C. dorsal spinocerebellar
- D. ventral spinothalamic
- E. Gracile

12) 1st order neuron for sensations from limbs is

- A. in spinal cord or brainstem
- B. e.g. gracile & cuneate nuclei
- C. *crosses midline*
- D. pseudo unipolar neurons of dorsal root ganglion(DRG)
- E. e.g. posteromarginal, nucleus proprius

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