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**The Supply Center**  
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**QUIZ: Overview of the Neurological Evaluation (Part 1)**

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*All questions must be answered in order to receive credit.*

## Questions: Neurological: Part 1 Overview of the Neurological Evaluation

1. During the patient history and examination, which of the following are part of the neurological testing to consider?
  - I. Pathologic reflexes
  - II. Mental status
  - III. Deep tendon reflexes
  - IV. Gross sensory perception
  - V. Muscle Strength
  - VI. Girth measurements
  - A. I, II, III, V, VI
  - B. II, III, V, VI
  - C. I, III, IV, V, VI
  - D. I, II, III, IV, V
  - E. I, II, III, IV, V, VI
  
2. During the screening examination for the neurological condition when NO known neurological problem is apparent, which of the following tests are performed?
  - I. Superficial reflexes
  - II. Mental status
  - III. Deep tendon reflexes
  - IV. Gross sensory perception
  - V. Muscle Strength
  - VI. Girth measurements
  - VII. Cranial nerves
  - VIII. Proprioception and cerebellar function
  - A. I, IV, VII, VIII
  - B. I, IV, V, VI, VII
  - C. III, IV, VII, VIII
  - D. I, II, IV, V, VII, VIII
  - E. II, IV, VI, VIII
  
3. How many nerve roots exit the cervical spine?
  - A. 5
  - B. 6
  - C. 7
  - D. 8
  - E. 12

4. How many nerve roots exit the thoracic spine?
- A. 5
  - B. 6
  - C. 7
  - D. 8
  - E. 12
5. How many nerve roots exit the lumbar spine?
- A. 5
  - B. 6
  - C. 7
  - D. 8
  - E. 12
6. How many nerve roots exit the sacral region?
- A. 5
  - B. 6
  - C. 7
  - D. 8
  - E. 12
7. True or False: The upper extremity is enervated by the T12 to S4 nerves.
8. True or False: The lower extremity is enervated by the C5 to T1 nerves.
9. True or False: The patient's neurological condition can be differentiated based on the spinal cords and nerve root levels involved.
10. Which of the following are NOT used to determine the spinal cord or nerve root level involved with the nerve lesion?
- A. Dermatomes
  - B. Myotomes
  - C. Reflexes
  - D. Cranial Nerves

11. Which of the following are the two functions of nerves
- I. Motor
  - II. Sensory
  - III. Afferent
  - IV. Efferent
  - V. Adduction
  - VI. Conduction
- A. I and II
  - B. I, II and III
  - C. I, II, III, and IV
  - D. III, IV, V, and VI
  - E. III, and IV
12. Motor information travels through which tract(s)?
- A. Lateral Spinothalamic Tract
  - B. Ventral (anterior) Spinothalamic Tract
  - C. Posterior Column
  - D. Anterior and Dorsal Spinocerebellar Tracts
  - E. Corticospinal Tract
13. Superficial pain and temperature perception travels through which tract(s)?
- A. Lateral Spinothalamic Tract
  - B. Ventral (anterior) Spinothalamic Tract
  - C. Posterior Column
  - D. Anterior and Dorsal Spinocerebellar Tracts
  - E. Corticospinal Tract
14. Superficial touch and deep pressure perception travels through which tract(s)?
- A. Lateral Spinothalamic Tract
  - B. Ventral (anterior) Spinothalamic Tract
  - C. Posterior Column
  - D. Anterior and Dorsal Spinocerebellar Tracts
  - E. Corticospinal Tract

15. Vibration, deep pressure sense, stereognosis perception travels through which tract(s)?
- A. Lateral Spinothalamic Tract
  - B. Ventral (anterior) Spinothalamic Tract
  - C. Posterior Column
  - D. Anterior and Dorsal Spinocerebellar Tracts
  - E. Corticospinal Tract
16. Proprioception perception travels through which tract (s)?
- A. Lateral Spinothalamic Tract
  - B. Ventral (anterior) Spinothalamic Tract
  - C. Posterior Column
  - D. Anterior and Dorsal Spinocerebellar Tracts
  - E. Corticospinal Tract
17. If there is an interruption of the signal to the muscle, the result in the muscle is
- A. Spastic paralysis
  - B. Muscle weakness
  - C. All the above
  - D. None of the above.
18. If there is pressure on the nerve root, the result in the muscle is
- A. Spastic paralysis
  - B. Muscle weakness
  - C. All the above
  - D. None of the above.
19. When recording the sensation tested, the description used for decreased sensation is
- A. Hyperesthetic
  - B. Hypoesthetic
  - C. Dysesthetic
  - D. Anesthetic

20. When recording the sensation tested, the description used for altered sensation is:
- A. Hyperesthetic
  - B. Hypoesthetic
  - C. Dysesthetic
  - D. Anesthetic
21. The patellar tendon reflexes tests which spinal cord level?
- A. L1
  - B. L2
  - C. L3
  - D. L4
  - E. L5
  - F. S1
  - G. S2
22. The Achilles tendon reflexes tests which spinal cord level?
- A. L1
  - B. L2
  - C. L3
  - D. L4
  - E. L5
  - F. S1
  - G. S2
23. Sensation of the lateral arm tests which spinal cord level?
- A. C3
  - B. C4
  - C. C5
  - D. C6
  - E. C7
24. Wrist extension muscle strength tests which spinal cord level?
- A. C3
  - B. C4
  - C. C5
  - D. C6
  - E. C7

25. Sensation of the top of the foot tests which spinal cord level?

- A. L1
- B. L2
- C. L3
- D. L4
- E. L5
- F. S1
- G. S2