

Chiropractic Neurology
For The Practicing Chiropractor Part I

1. The dermatomes are more accurate in the _____ extremity than the _____ extremity because there is sometimes cross over of innervation in the _____ extremity.
 - a. Lower; upper; upper
 - b. Upper; lower; lower
 - c. Lower; upper; lower
 - d. Upper; lower; upper
2. Normal reflex is graded as:
 - a. 1+
 - b. 2+
 - c. 3+
 - d. 4+
3. Reflexes can be decreased by lower motor neuron lesions and sometimes by subluxations. True/False _____.
4. Which of the following is not seen in an upper motor neuron lesion?
 - a. Clonus
 - b. Spasticity
 - c. Hyperreflexia
 - d. Hyporeflexia
5. A 5/5 muscle grade indicates complete range of motion against gravity with full resistance. True/False _____.
6. The nerve root level for the biceps reflex is:
 - a. C6
 - b. C7
 - c. C5
 - d. T1
7. The nerve root level for the patellar reflex is:
 - a. L4
 - b. L5
 - c. S1
 - d. S2
8. Pacinian receptors are for joint position sense. True/False_____.
9. Which of the following receptors detect pain and temperature?
 - a. Pacinian
 - b. Ruffini
 - c. Free Naked Nerve Endings
 - d. Meissners/Merkels
10. Which of the following is not part of the brainstem?
 - a. Cerebral Cortex
 - b. Midbrain
 - c. Pons
 - d. Medulla
11. Cranial nerves 9 to 12 are found in the Medulla Oblongata. True/False_____.
12. The VPM (ventral posterior medial) nucleus of the thalamus receives sensory information from the:
 - a. Face
 - b. Arms and legs
 - c. Eyes
 - d. Ears
13. Cerebellar nuclei include all of the following except:
 - a. Fastigial
 - b. Globos
 - c. Dentate
 - d. Superior salivatory

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14. The occipital lobe of the brain is involved with hearing.
True/False_____.
15. Vibration sense is tested using which of the following?
- a. Pen light
 - b. Reflex hammer
 - c. 128 Hz tuning fork
 - d. Stethoscope
16. It takes 6-10 days for a muscle to start to atrophy.
True/False_____.
17. Some of the largest sensory fibers transmit dorsal column sensations. Two of the main ones are 1. Vibration and 2. Joint Position Sense. True/False _____.
18. Thoracic Outlet testing can include all of the following except:
- a. Adson's
 - b. Eden's
 - c. Wright's
 - d. Kernig's
19. The big difference between the neurological system and the vascular system is that the vascular system is ipsilateral. Therefore the right cortex controls the right blood supply of the body.
True/False. _____
20. Ipsilateral to the cortical weakness you will see all of the following except:
- a. Shoulder impingement syndrome
 - b. Pronator teres syndrome
 - c. AS ilium
 - d. PI ilium
21. Which of the following is not a way of determining hemisphericity (the weaker cortex):
- a. Dilation of pupil
 - b. Joint angulation
 - c. Rapid alternating movements
 - d. Palatal paresis
22. Talking will increase right cortical function. True/False _____.
23. To increase right cortical function you want to have the patient perform all of the following except?
- a. Mathematics
 - b. Smell under the right nostril
 - c. Drawing and coloring
 - d. Look at pictures
24. Two chemicals that may alter neurological function are NutraSweet and mercury.
True/False_____.
25. When NutraSweet breaks down, it breaks down into all of the following except:
- a. Aspartic acid
 - b. Methanol
 - c. Formaldehyde
 - d. Lactic acid