

QUESTIONS & ANSWERS

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Medical

COMLEX-USA

Osteopathic Physician

Question: 26

Which autoimmune condition is characterized by the body producing autoantibodies that attack muscle receptor sites, reducing the ability to receive neurotransmitter signals to move properly, thus causing weakness?

- A. Myasthenia gravis
- B. Muscular dystrophy
- C. Muscular degenerative disorder
- D. None of the above

Answer: A

Myasthenia gravis is characterized by the body producing autoantibodies that attack muscle receptor sites of the neurotransmitter acetylcholine, causing an inability to properly pick up signals to function, thus causing weakness.

Question: 27

You are caring for an adult patient who is suspected to have upper neuronal damage. You look for the Babinski sign by stroking the sole of the foot. What would you expect to see?

- A. All toes curl inward
- B. No response
- C. Big toe extends up and the rest fan out
- D. All toes curl upward

Answer: C

In a patient who has upper neuronal damage, a positive Babinski sign is present when the big toe extends and the rest of the toes fan out while the sole of the foot is stroked. A normal or negative sign would be for all toes to curl inward. In children under 2 years of age, the sign is present as the neurologic system matures.

Question: 28

Which of the following are responsible for direct gas exchange with the alveoli?

- A. Veins
- B. Arteries
- C. Capillaries
- D. None of the above

Answer: C

The smallest and thinnest part of the circulation system is the capillaries. The thin nature of capillaries allows the gas exchange with alveoli to occur.

Question: 29

When there is inadequate blood supply to the heart, a patient may experience pain called:

- A. CVA
- B. TIA
- C. Angina
- D. IVC

Answer: C

An inadequate supply of blood to the heart can cause a patient to experience a chest pain called angina. When angina occurs, providers can administer drugs like nitroglycerin, which acts as a vasodilator, enlarging the arteries of the heart to allow for additional blood to flow through them.

Question: 30

Disorders of the nervous system that occur as a result of a cancer or tumor in a different area of the body are known as:

- A. Comorbidity
- B. Secondary neurological disorder
- C. Neuritis
- D. Paraneoplastic syndrome

Answer: D

Some tumors cause an immune response in which the body produces anti-bodies to attack. These anti-bodies often not only attack the tumor, but also attack a portion of the nervous system not related to the tumor. The conditions that result are known as paraneoplastic syndrome and can cause difficulty when diagnosing cancers, as the symptoms are not necessarily located where the tumor is.

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