

AEMCA Practice Test Questions and Answers

1. What leads to C-difficulties

- A) Use of certain antibiotics that allow levels of healthy gut bacteria to decrease
- B) Process of bone formation when hyaline cartilage is replaced and the bone grows and widens
- C) rhabdomyolysis caused from crush injury or seizures, pyelonephritis, placenta abruptio
- D) They are canals inside bone where they supply blood and nerve supply to surrounding bone osteocytes

2. Nitrogen narcosis: what is it?

- A) Used to treat hypertension, arrhythmias, angina, CHF, glaucoma
- B) Occurs when new bone replaces old bone and with the use of gravity and deposits of calcium salts
- C) It is a short term beta 2 receptor agonist bronchi to expand in diameter thereby increasing lumen size
- D) Caused by breathing in compressed nitrogen which is toxic to the CNS and causes confusion, slow motor response, and euphoria

3. Direct gene activation: what is it?

- A) it is a regular blood test that tests the levels of prothrombin to make sure the levels are at the therapeutic level for people on anticoagulant therapy
- B) more serious than type 1 and is caused by the gathering of nitrogen bubbles in the CNS, lungs, or heart
- C) it is a NSAID that works as a non-selective COX inhibitor inhibiting prostaglandins thereby reducing pain, fever, and inflammation
- D) occurs with steroid hormones where they have an effect on a specific target organ and are freely movable into the cell due to the lipid layer

4. What is decompression sickness type 1?

- A) Caused by nitrogen bubbles collecting in the tissues and causing pruritus, molting skin, and skeletal muscle or joint pain
- B) Obese trunk, muscle wasting, moon-shaped face, purple striations on the trunk, hyperglycemia, skin is thin and bruises easily
- C) First starts with fever, dry coughing, sneezing, red watery eyes then within a 2 week period dry cough becomes wet and brings up thick stringy mucus
- D) Starts with a fever and then progresses to conjunctivitis, coryza, cough, and Koplik spots on the buccal mucosa

Answers: 1-A 2-D 3-C 4-A

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