

Question 1

Brain natriuretic peptide (BNP) levels are useful in determining:

- A) CAD.
- B) CVA.
- C) CHF.
- D) COPD.

Answer: <https://biology-forums.com/index.php?topic=793766>

Question 2

A TIA typically:

- A) resolves within 24 hours.
- B) never resolves.
- C) can be reversible with tPA.
- D) is caused by intracranial hemorrhage.

Answer: <https://biology-forums.com/index.php?topic=793880>

Question 3

When the ECG paper is traveling at the standard rate of 25 mm/sec, a large box in the horizontal direction equals:

- A) 0.08 seconds.
- B) 0.12 seconds.
- C) 0.20 seconds.
- D) 0.24 seconds.

Answer: <https://biology-forums.com/index.php?topic=793679>

Question 4

Demographics are:

- A) statistics related to the morbidity and mortality of all illnesses and injuries.
- B) geographical distributions of illness and injury.
- C) statistics related to the incidence of infectious disease.
- D) characteristics of human populations.

Answer: <https://biology-forums.com/index.php?topic=794252>

Question 5

When assessing a fistula used for hemodialysis, which of the following should concern you?

- A) Pulsation with each heartbeat
- B) A bruit on auscultation
- C) Bruising around the fistula
- D) Lack of a palpable vibration

Answer: <https://biology-forums.com/index.php?topic=794078>

Question 6

Pulmonary shunting can be seen in patients with suspected:

- A) tension pneumothorax.
- B) hemothorax.
- C) pulmonary embolism.
- D) hypovolemic shock.

Answer: <https://biology-forums.com/index.php?topic=793643>

Question 7

Which medication is best for improving hypotension secondary to anaphylactic shock?

- A) Diphenhydramine
- B) Epinephrine
- C) Hydrocortisone
- D) Oxygen

Answer: <https://biology-forums.com/index.php?topic=793964>

Question 8

The proportion of the left ventricular volume that is pumped out of the heart during systole is the:

- A) ejection fraction.
- B) stroke volume.
- C) preload.
- D) afterload.

Answer: <https://biology-forums.com/index.php?topic=793676>

Question 9

The right ventricle pushes blood to the lungs through the:

- A) pulmonary vein.
- B) pulmonary artery.
- C) pulmonary pathway.
- D) pulmonary vena cava.

Answer: <https://biology-forums.com/index.php?topic=793760>

Question 10

The family members of a 72-year-old female state that the patient complained of a sudden, severe headache; had slurred speech; then became unresponsive. She responds to painful stimuli with decorticate posturing and has snoring respirations at a rate of 10 per minute. Her radial pulse is palpable but grossly irregular. According to her son, she also suffers from congestive heart failure, hypertension, and diabetes. Which of the following should you do first?

- A) Attach the cardiac monitor.
- B) Manage the airway with a modified jaw-thrust maneuver.
- C) Check her blood sugar.
- D) Insert an endotracheal tube.

Answer: <https://biology-forums.com/index.php?topic=793854>

Question 11

The postsynaptic neurotransmitter of the sympathetic nerves is:

- A) dopamine.
- B) acetylcholine.
- C) norepinephrine.
- D) epinephrine.

Answer: <https://biology-forums.com/index.php?topic=793836>

Question 12

Your patient is a 49-year-old male complaining of a headache and weakness of his left arm, accompanied by nausea and vomiting. The information that would be most helpful in differentiating a brain abscess from a brain tumor is whether or not the patient:

- A) has had a seizure.
- B) exhibits nuchal rigidity.
- C) has had a change in the level of responsiveness.
- D) has a recent history of brain surgery.

Answer: <https://biology-forums.com/index.php?topic=793859>

Question 13

Which of the following risk factors has been proven to increase the risk of cardiovascular disease?

- A) Oral contraceptive use
- B) Type A personality
- C) Stress
- D) Lack of exercise

Answer: <https://biology-forums.com/index.php?topic=793663>

Question 14

Your patient is a 24-year-old male complaining of a one-week history of abdominal pain. He describes the pain as in the upper right quadrant, dull and reproducible with movement and palpation. He also describes a decreased appetite, weight loss, and clay-colored stool over the same period. Of the following, which is the most likely cause of his clinical condition?

- A) Colitis
- B) Cholecystitis
- C) Acute hepatitis
- D) Pancreatitis

Answer: <https://biology-forums.com/index.php?topic=794010>

Question 15

The most common complication in adults contracting the varicella virus is:

- A) chickenpox.
- B) pneumonia.
- C) respiratory syncytial virus (RSV).
- D) paranoia.

Answer: <https://biology-forums.com/index.php?topic=794300>

Question 16

Lung perfusion depends on all of the following EXCEPT:

- A) efficient pumping of blood by the heart.
- B) intact pulmonary capillaries.
- C) an intact alveolar membrane.
- D) adequate blood volume.

Answer: <https://biology-forums.com/index.php?topic=793621>

Question 17

While on a call you receive a laceration to your thigh from a jagged piece of metal. Which of the following is the correct recommendation for tetanus prophylaxis?

- A) You must receive a tetanus booster annually to be protected from tetanus.
- B) You should receive a tetanus booster if you have not had one in the past ten years.
- C) If you are over the age of 60, you should receive tetanus immune globulin but not a tetanus booster.
- D) If you received the entire series of tetanus immunizations as a child, you do not need a tetanus booster.

Answer: <https://biology-forums.com/index.php?topic=794280>

Question 18

Prehospital management of an unresponsive patient with hypoglycemia should NOT include:

- A) administration of D50 IV.
- B) administration of glucagon IM.
- C) BVM ventilations with 100 percent O₂ and an OPA.
- D) administration of oral glucose.

Answer: <https://biology-forums.com/index.php?topic=793896>

Question 19

Of the following, which is TRUE of the changes in blood chemistry and composition in a patient with chronic renal failure?

- A) Blood glucose decreases.
- B) H⁺ excretion leads to alkalosis.
- C) Polycythemia occurs.
- D) Urea and creatinine levels increase.

Answer: <https://biology-forums.com/index.php?topic=794046>

Question 20

Your patient is a 36-year-old female, conscious and alert, sitting at her desk and complaining of a rash and itchiness after taking a sulfa antibiotic. Physical examination reveals warm and dry skin, urticaria on her chest and back, lung sounds that are clear and equal bilaterally. HR = 100, BP = 132/78, RR = 14, SaO₂ = 98%. Which of the following is the most appropriate treatment for this patient?

- A) Oxygen via nasal cannula, IV crystalloid solution, 5 mg epinephrine IV, 25 mg diphenhydramine IV
- B) Transport only
- C) Oxygen via nonrebreather mask, IV crystalloid solution, 25 mg diphenhydramine IV
- D) Oxygen via nonrebreather mask, IV crystalloid solution, 0.3 mg epinephrine SC, 25 mg diphenhydramine IV, albuterol 2.5 mg via nebulizer

Answer: <https://biology-forums.com/index.php?topic=793957>