

## **WRITTEN EXAM**

### Storage

1. The ideal storage conditions for epinephrine include:
  - a. Temperature less than 30° C (86° F)
  - b. Temperature greater than 15° C (59° F)
  - c. A dark area
  - d. All of the above

### Side effects

2. Common side effects following an injection of epinephrine include:
  - a. Rapid heart beat
  - b. Shaking
  - c. Nausea
  - d. All of the above

### Indications

3. Following an exposure to a known allergen, the appearance of which of the following signs/symptoms indicates anaphylaxis and the need for an injection of epinephrine?
  - a. Hives on the arms and legs
  - b. Fullness in the throat
  - c. Nausea and vomiting
  - d. Rapid heart rate
4. Which of the following is a good reason to WITHHOLD the administration of epinephrine via an auto-injector to an adult suspected of having an anaphylactic reaction:
  - a. The person has no prior history
  - b. You only have a pediatric injector (0.15 mg)
  - c. There is no evidence of respiratory distress
  - d. None of the three (3) are good reasons to withhold treatment

### Disposal

5. Which is a true statement regarding the disposal of an auto-injector once it has been used on a patient with anaphylaxis?
  - a. It can be thrown in any trash container, intact
  - b. It must be disposed of in a rigid biohazard container
  - c. Leaving it in its packaging container is sufficient
  - d. It should be broken apart so that its needle can be placed in a biohazard container

### Training and certification

6. In Michigan, which of the following could be considered entities under Public Act 221 of 2015:
  - a. Public schools
  - b. Sports arenas
  - c. Amusement parks
  - d. All of the above
7. In Michigan, training certification for the use of an epinephrine auto-injector is valid for:
  - a. One year
  - b. Two years
  - c. Three years
  - d. There is no expiration date

### Obtaining an epinephrine auto-injector

8. In Michigan, which is true about buying an epinephrine auto-injector for emergency use by an authorized entity:
  - a. They are available over-the-counter at any pharmacy
  - b. The authorized entity's name can be used in place of a patient's
  - c. They are available for sale from authorized training providers
  - d. All of the above

### Contraindications

9. The following are absolute contraindication to the use of epinephrine for anaphylaxis:
  - a. The patient has a history of high blood pressure
  - b. The patient has never had a prior anaphylactic reaction
  - c. The patient has a history of feeling faint with shots
  - d. There are no absolute contraindications

### Record keeping responsibility

10. According to Michigan law, after administering epinephrine, an authorized entity must submit a form to the Department of Licensing and Regulatory Affairs that includes:
  - a. The name of the prescribing provider
  - b. Name of the authorized entity, date administered, gender of the patient
  - c. Name and birthdate of the patient
  - d. The name of any responding EMS practitioners involved and the medical facility receiving the patient

### Consent

11. Prior to administering epinephrine via an auto-injector, a trained individual should:
  - a. Call 9-1-1 for permission
  - b. Call a hospital and get permission from an on-duty physician
  - c. Call the prescribing health care provider
  - d. Try to obtain the patient's consent

### Allergens

12. Which of the following are examples of allergens that could, in a susceptible person, cause an anaphylactic reaction:
  - a. Bee sting
  - b. Ingestion of an antibiotic
  - c. Ingestion of peanuts
  - d. All of the above