

Care CEUs

Immunization Schedules and Common Side Effects

1. A health care professional has questions regarding the main components of vaccines. Which of the following informational points of interest should be communicated to the health care professional?

- A. An adjuvant is a substance that increases and/or modulates the body's immune response to a vaccine.
- B. An adjuvant is an infectious agent, or foreign substance, that induces an immune response.
- C. Gelatin and thimerosal are examples of an adjuvant.
- D. Vaccines do not contain preservatives.

2. A health care professional has questions regarding vaccines. Which of the following informational points of interest should be communicated to the health care professional?

- A. Inactivated vaccines include live infectious agents that cause a specific infection or disease.
- B. Inactivated vaccines include the dead version of the infectious agent that causes a specific infection or disease.
- C. Inactivated vaccines always provide individuals with a lifetime of protection against a specific infectious agent.
- D. Inactivated vaccines should not be administered to individuals over the age of 65.

3. A 20-year-old male patient has questions regarding vaccines. Which of the following educational points should be expressed to the patient?

- A. Vaccines will cause an infection once they are administered to an individual.
- B. Vaccines will cause an infection once they are administered to individuals over the age of 18.
- C. Vaccines do not cause infection once they are administered to individuals over the age of 18 because they all contain dead infectious agents.
- D. Vaccines do not cause infection once they are administered to an individual because they, typically, only contain dead or weakened infectious agents.

4. A health care professional has questions regarding vaccine development. Which of the following informational points of interest should be communicated to the health care professional?

- A. Phase I clinical trials often involve a large number of volunteers who must be over the age of 40.
- B. Phase I clinical trials often involve a large number of volunteers who receive the vaccine being tested in order to assess and determine vaccine-related adverse effects and contraindications.
- C. In phase II clinical trials, the vaccine is usually administered to thousands of volunteers, who are closely monitored for any side effects, to further assess vaccine contraindications.

D. In phase III clinical trials, the vaccine is usually administered to thousands of volunteers.

5. According to the course, which of the following is a sign/symptom of cholera?

- A. Profuse watery diarrhea
- B. White or grayish thick coating in the back of the nose or throat
- C. Weight gain
- D. Extreme jaundice

6. According to the course, which of the following statements is most accurate?

- A. Research suggests that the COVID-19 virus may live on surfaces for up to 8 days.
- B. Research suggests that the COVID-19 virus may live on surfaces for up to 28 days.
- C. Research suggests that the incubation period for COVID-19 is 14 - 28 days.
- D. Research suggests that the incubation period for COVID-19 is 28 days.

7. According to the course, which of the following is a sign/symptom of rabies?

- A. Extreme fatigue
- B. Tiredness
- C. Hyperactivity
- D. Increased appetite with weight gain

8. According to the course, which of the following is a sign/symptom of mumps?

- A. Stiff neck
- B. Puffy cheeks and a tender, swollen jaw
- C. Violent coughing, which often makes it hard to breathe
- D. Weight gain

9. According to the course, how is yellow fever transmitted?

- A. Contaminated food
- B. Contaminated water
- C. Blood-contaminated body fluids
- D. Infected mosquitoes

10. A health care professional has questions regarding Vaxchora administration. Which of the following informational points of interest should be communicated to the health care professional?

- A. Administer Vaxchora a minimum of 10 days before potential exposure to cholera.
- B. Administer Vaxchora a minimum of 20 days before potential exposure to cholera.
- C. Administer Vaxchora via intramuscular injection.
- D. Administer Vaxchora via subcutaneous injection.

11. A 32-year-old female patient receives the first dose of the Pfizer-BioNTech COVID-19 vaccine. The patient has a history positive for anaphylaxis. How long should the patient be monitored after vaccination.

- A. 10 minutes
- B. 15 minutes
- C. 18 minutes
- D. 30 minutes

12. According to the course, what is the recommended dose for the Moderna COVID-19 vaccine?

- A. 0.2 mL
- B. 0.3 mL
- C. 0.4 mL
- D. 0.5 mL

13. How should health care professionals store the Janssen COVID-19 vaccine?

- A. Health care professionals should store unpunctured multi-dose vials of the Janssen COVID-19 vaccine at room temperature, at all times.
- B. Health care professionals should keep the Janssen COVID-19 vaccine frozen.
- C. Health care professionals should keep the Janssen COVID-19 vaccine frozen, and then store punctured multi-dose vials of the Janssen COVID-19 vaccine at 2°C to 8°C (36°F to 46°F).
- D. Health care professionals should store unpunctured multi-dose vials of the Janssen COVID-19 vaccine at 2°C to 8°C (36°F to 46°F).

14. How should health care professionals administer Daptacel?

- A. Orally
- B. Intranasal spray
- C. Intramuscular injection
- D. Subcutaneous injection

15. A health care professional has questions regarding Gardasil 9. Which of the following informational points of interest should be communicated to the health care professional?

- A. Gardasil 9 is a vaccine indicated for girls and women 8 through 45 years of age.
- B. Gardasil 9 is a vaccine indicated for girls and women 9 through 45 years of age.
- C. Gardasil 9 should not be administered to a man, over the age of 18, for any reason.
- D. Gardasil 9 should not be administered to a man, over the age of 28, for any reason.

16. Which of the following influenza vaccines is for intranasal administration?

- A. Afluria Quadrivalent
- B. Fluad
- C. FluMist
- D. FluZone 4

17. What is the recommended adult dose of Ixiaro?

- A. 0.2 mL
- B. 0.25 mL
- C. 0.4 mL
- D. 0.5 mL

18. How should health care professionals administer M-M-R II?

- A. Orally
- B. Intranasal spray
- C. Intramuscular injection
- D. Subcutaneous injection

19. Which of the following statements is most accurate?

- A. Proquad is a vaccine indicated for active immunization for the prevention of measles, mumps, rubella, and varicella in children 2 months through 12 years of age.
- B. Proquad is a vaccine indicated for active immunization for the prevention of measles, mumps, rubella, and varicella in children 12 months through 12 years of age.
- C. Proquad is a vaccine indicated for active immunization for the prevention of measles, mumps, rubella, and varicella in children 12 months through 14 years of age.
- D. Proquad is a vaccine indicated for active immunization for the prevention of measles, mumps, rubella, and varicella in children 12 months through 16 years of age.

20. According to the course, which of the following warnings/precautions is associated with Bexsero?

- A. Do not administer Bexsero to individuals with hypertension.
- B. Administer Bexsero to obese individuals, over the age of 18, with caution.
- C. The tip caps of the prefilled syringes contain natural rubber latex, which may cause allergic reactions.
- D. The tip caps of the prefilled syringes contain gelatin, which may cause allergic reactions.

21. What is the recommended adult dose of Pneumovax 23?

- A. 0.2 mL
- B. 0.25 mL
- C. 0.4 mL

D. 0.5 mL

22. What is the recommended dose of Imovax for previously unvaccinated individuals?

- A. 5 intramuscular doses (1 mL each)
- B. 5 intramuscular doses (2 mL each)
- C. 4 intramuscular doses (1 mL each)
- D. 4 intramuscular doses (2 mL each)

23. According to the course, which of the following adverse reactions may be associated with Rotarix?

- A. Increase in appetite
- B. Loss of appetite
- C. Weight gain
- D. Increase in urination

24. Which of the following is a contraindication associated with Varivax?

- A. Pregnancy
- B. Obesity
- C. Controlled hypertension
- D. Type 2 diabetes

25. What is the recommended dose for YF-Vax?

- A. 0.2 mL
- B. 0.5 mL
- C. 1.0 mL
- D. 1.5 mL

26. Vaccines licensed for refrigerator storage should be stored at which of the following temperature ranges?

- A. 2°C - 8°C
- B. 4°C - 8°C
- C. 8°C - 10°C
- D. 10°C - 20°C

27. When should individuals receive DTaP vaccination?

- A. 1, 2, 3, 15 - 18 months, 4 - 6 years of age
- B. 1, 4, 8, 15 - 18 months, 4 - 6 years of age
- C. 1, 4, 6, 15 - 18 months, 8 - 10 years of age

D. 2, 4, 6, 15 - 18 months, 4 - 6 years of age

28. What is the recommended minimum interval between Hepatitis A vaccine doses?

- A. 1 month
- B. 2 months
- C. 4 months
- D. 6 months

29. A 29-year-old female patient gives birth to a male child. The new mother is HBsAg-negative, and the new born baby is < 2,000 grams. When should the newborn baby receive Hepatitis B vaccination?

- A. The child should receive 1 dose at chronological age 1 month, or hospital discharge.
- B. The child should receive 1 dose at chronological age 2 months.
- C. The child should receive 1 dose at chronological age 3 months.
- D. The child should receive 1 dose at chronological age 4 months, or hospital readmission.

30. What is the minimum age for HPV vaccination?

- A. 9 years
- B. 10 years
- C. 11 years
- D. 12 years

31. When should an individual receive poliovirus vaccination?

- A. At ages 1, 2, 6 - 18 months, 4 - 6 years
- B. At ages 2, 4, 6 - 18 months, 4 - 6 years
- C. At ages 4, 6, 10 - 18 months, 4 - 6 years
- D. At ages 4, 6, 10 - 18 months, 8 - 10 years

32. A 16-year-old patient presents to a health care facility for varicella vaccination. The patient shows no evidence of immunity to varicella. How many doses of varicella vaccine should the patient receive?

- A. 1 dose
- B. 2-dose series
- C. 3-dose series
- D. 4-dose series

33. Which of the following statements is most accurate?

- A. COVID-19 vaccination locations should have at least one dose of epinephrine available at all times.
- B. COVID-19 vaccination locations should have at least two doses of epinephrine available at all times.
- C. COVID-19 vaccination locations should have at least three doses of epinephrine available at all times.
- D. COVID-19 vaccination locations should not have doses of epinephrine on hand.

34. A health care professional has questions regarding anaphylaxis management in special populations. Which of the following informational points of interest should be communicated to the health care professional?

- A. Older adults should not receive epinephrine for the treatment of anaphylaxis.
- B. Pregnant individuals should not receive epinephrine for the treatment of anaphylaxis.
- C. Diphenhydramine is the first-line treatment for anaphylaxis.
- D. Epinephrine is the first-line treatment for anaphylaxis.

35. A health care professional has questions regarding the treatment/management of acute allergic reactions. Which of the following informational points of interest should be communicated to the health care professional?

- A. Epinephrine should be administered to a patient having an acute allergic reaction after a period of 10 minutes.
- B. Epinephrine should be administered to a patient having an acute allergic reaction after a period of 15 minutes.
- C. If hypotension is present, the patient should be placed in a recumbent position with the legs elevated.
- D. If hypotension is present, the patient should not be placed in a recumbent position with the legs elevated.

36. A health care professional is about to administer a vaccine to a patient. The health care professional engages in hand hygiene with soap and water. What is the recommended duration for the entire hand washing procedure?

- A. 5 - 10 seconds
- B. 10 - 15 seconds
- C. 15 - 20 seconds
- D. 40 - 60 seconds

37. A health care professional has questions regarding PPE. Which of the following informational points of interest should be communicated to the health care professional?

- A. Cloth masks are considered to be PPE.
- B. Cloth masks are not considered to be PPE.
- C. A cloth mask should always be worn under a N95 respirator.

D. It is not necessary for a N95 respirator to fit firmly against the face.

38. A health care professional has questions regarding safe injection practices. Which of the following informational points of interest should be communicated to the health care professional?

- A. Whenever possible, health care professionals should not use commercially manufactured or pharmacy-prepared prefilled syringes.
- B. Health care professionals should always unwrap syringes prior to the time of use.
- C. Health care professionals should never administer medications or vaccines from the same syringe to multiple patients.
- D. Health care professionals should not dispose of used syringes and needles at the point of use.

39. Which of the following statements is most accurate?

- A. Individuals who report experiencing reactions to egg involving symptoms other than hives, may similarly receive any licensed and recommended influenza vaccine that is otherwise appropriate for the recipient's age and health status.
- B. Only individuals, over the age of 40, who report experiencing reactions to egg involving symptoms other than hives, may similarly receive any licensed and recommended influenza vaccine that is otherwise appropriate for the recipient's age and health status.
- C. Only Individuals, under the age of 65, who report experiencing reactions to egg involving symptoms other than hives, may similarly receive any licensed and recommended influenza vaccine that is otherwise appropriate for the recipient's age and health status.
- D. Individuals who report experiencing reactions to egg involving symptoms other than hives, may not receive any licensed and recommended influenza vaccine that is otherwise appropriate for the recipient's age and health status.

40. A 24-year-old male patient has questions regarding COVID-19 vaccines and COVID-19 variants. Which of the following educational points should be expressed to the patient?

- A. Variant B.1.1.7 has not been detected in the U.S.
- B. Variant B.1.1.7 is only transmitted through contaminated food.
- C. Variant P.1 is only transmitted through contaminated water.
- D. Even with emerging variants, a 2-dose series started with a specific COVID-19 vaccine should be completed with the same COVID-19 vaccine.
