

# CE Exams

## The Rise of MRSA

- MRSA is differentiated into two categories:**
  - Hospital – acquired
  - Community – acquired
  - Active – acquired
  - Both a and b
- Which strain of MRSA affects most victims?**
  - CA-MRSA
  - MRSA
  - HA-MRSA
  - NIAID
- MRSA can be transmitted through \_\_\_?**
  - A wound
  - Broken skin
  - An infection
  - All of the above
- With HA-MRSA, the infection is spread when a colonized individual comes into contact with a patient who has had \_\_\_\_\_ or \_\_\_\_\_.**
  - Surgery or open wounds
  - Surgery or weak immune system
  - Open wound or infection
  - Infection or surgery
- Which is not a common sign of the skin infection?**
  - Bruising
  - Boils
  - Carbuncles
  - Abscesses
- If a test returns positive for MRSA, the bacteria has been proven resistant to oxacillin or \_\_\_\_\_.**
  - Cefoxitin
  - Linezolid
  - Penicillin
  - Vancomycin
- Penicillin-resistant strains of staph were widespread by the late \_\_\_\_\_.**
  - 1920s
  - 1950s
  - 1970s
  - 1900s
- MRSA colonizes in the nose and on the skin of around \_\_\_\_\_ of the population.**
  - 45%
  - 12%
  - 25%
  - 20%
- MRSA thrives on colonization primarily through the \_\_\_\_\_.**
  - Anterior nasal region
  - Hands
  - Inner ear
  - Behind the knees
- CA-MRSA is usually spread through which of the following situations:**
  - Poor hygiene
  - Sharing of personal items
  - Overcrowded living conditions
  - All of the above

## The Spread of the Superbug

- 1. According to the CDC, one in \_\_\_ acute-care facilities reported at least one case of hospital-acquired CRE.**
  - a. 35
  - b. 25
  - c. 45
  - d. 15
- 2. Which group of hospital-borne pathogens is known for invading through hospital equipment such as surgical implants and central lines?**
  - a. E-Coli
  - b. MRSA
  - c. ESKAPE
  - d. CRE
- 3. This particular strain of CRD has increased \_\_\_ in the past decade in the US.**
  - a. 10%
  - b. 2%
  - c. 8%
  - d. 12%
- 4. These superbugs have the ability to share its \_\_\_\_\_ with other bacteria making far more common bacteria possibly untreatable.**
  - a. Resistance genes
  - b. Chemistry
  - c. DNA
  - d. None of the above
- 5. In 2012, the CDC shared its CRE toolkit and actions to reduce spreading superbug infections included:**
  - a. Proper hand hygiene
  - b. Educational programs
  - c. CRE screening initiatives
  - d. All of the above
- 6. In the state of Florida, CDC worked to help stop a year-long CRE outbreak. After a year, the percentage of patients who got CRE at the facility was \_\_\_.**
  - a. 44%
  - b. 0
  - c. 2%
  - d. 4%
- 7. Tuberculosis was once a curable disease. Now much like the others in the superbug family, it's resisting antibiotic treatments. How many people does TB kill each year?**
  - a. 650,000
  - b. 12 million
  - c. 210,000
  - d. 1.34 million
- 8. Which of the following is a type of food-borne superbug?**
  - a. Chlamydia
  - b. CRE
  - c. Salmonella
  - d. Enterobacter
- 9. Reports of antimicrobial resistance started appearing in \_\_\_?**
  - a. 1961
  - b. 1950
  - c. 1960
  - d. 1951
- 10. CDC reports that \_\_ states in the US have had at least one report of this particular strain of CRE.**
  - a. 49
  - b. 25
  - c. 42
  - d. 36

**Dealing with Infectious Disease - Ebola**

1. **What animal was involved in the first identified outbreak of the filovirus?**
  - a. Cow
  - b. Bat
  - c. Monkey
  - d. Goat
2. **The strain of the Marburg hemorrhagic fever virus was coined based on the region it was first identified. What region was it?**
  - a. France
  - b. West Africa
  - c. Liberia
  - d. Germany
3. **The second case of Marburg fever was identified in a traveler to \_\_\_\_\_.**
  - a. West Africa
  - b. France
  - c. Zaire
  - d. Zimbabwe
4. **The first reported outbreak of Ebola hemorrhagic fever was identified in a region of \_\_\_\_\_.**
  - a. Sudan
  - b. Zaire
  - c. Zimbabwe
  - d. Ivy Coast
5. **How many people became ill in the first reported outbreak of Ebola?**
  - a. 441
  - b. 318
  - c. 368
  - d. 225
6. **The mortality rate of the first reported outbreak of Ebola was \_\_\_\_\_**
  - a. 88%
  - b. 78%
  - c. 100%
  - d. 94%
7. **Ebola symptoms are similar to what illness?**
  - a. Strep
  - b. Sinus infection
  - c. Influenza
  - d. Common cold
8. **If wearing a face shield, it should be grasped from the \_\_\_\_\_ and lifted away from the face when doffing.**
  - a. Bottom
  - b. Top
  - c. Side
  - d. All of the above
9. **In the early stages of the EVD, what symptom typically occurs?**
  - a. Fever
  - b. Constipation
  - c. Bleeding
  - d. Bruising
10. **How many healthcare workers had died of Ebola after giving care in West Africa as of October 8, 2014?**
  - a. 232
  - b. 334
  - c. 401
  - d. 441
11. **Based on recent events in the US, the risk of exposure to the Ebola virus is:**
  - a. High
  - b. Moderate
  - c. Low
  - d. Extremely low
12. **The first reported case in the US was treated in which city?**
  - a. Omaha
  - b. Dallas
  - c. Chicago
  - d. Orlando

**Dealing with Infectious Disease – Ebola – continued...**

13. How many Dallas-based nurses contracted the disease after caring for the initial patient?
- 2
  - 5
  - 10
  - 15
14. The first identified outbreak of infection with a filovirus dates to \_\_\_\_
- 1976
  - 1967
  - 1987
  - 1966
15. Which of the following is not considered to be PPE?
- Level 4 surgical gown
  - Coveralls
  - Double gloves
  - Shoe covers
16. According to the author, the first pair of gloves should be donned prior to the \_\_\_\_.
- Overalls
  - Hood
  - Shoe covers
  - Gown
17. Which technique is discouraged because it limits tactile sensation?
- Double gloving
  - Triple gloving
  - Double shoe covers
  - Wearing an enclosed hood
18. If a PAPR is used, (a) disposable \_\_\_\_ should be worn.
- Shoe covers
  - Hair covers
  - Hood
  - Gloves
19. Sterile team members should wear a pair of \_\_\_\_ that extend at least to the mid-calf.
- Boots
  - Waterproof booties
  - Waterproof wool socks
  - Either a or b
20. Which level of gown should be used in infectious disease cases?
- Level 4
  - Level 5
  - Level 3
  - Level 6
21. Doffing of the PPE should occur where?
- At the OR table
  - In the hallway
  - In an anteroom outside of the OR
  - Outside the facilities' grounds
22. Currently, there are how many known strains that result in EVD?
- 45
  - 6
  - 7
23. Shoe covers should be removed by pulling them toward the toe of the shoe and discarded using caution to avoid contaminating the \_\_\_\_.
- Shoes
  - Hands
  - Arms
  - Legs
24. To remove the inner gloves, the \_\_\_\_ of the ungloved hand should slide under the cuff and push down.
- Ring finger
  - Index finger
  - Pinkie finger
  - Thumb

## Dealing with Infectious Disease – Ebola – continued...

25. Recently, what animal do scientists believe the largest-known outbreak is traced to?
- Monkeys
  - Dogs
  - Boars
  - Bats
26. Coveralls with separate \_\_\_\_ are preferred as they reduce cross-contamination during the removal process.
- Hoods
  - Flaps
  - Gloves
  - Boots
27. Generally, infected patients demonstrate symptoms between \_\_\_\_ days following exposure.
- 6-12
  - 8-10
  - 8-12
  - 10-12
28. The range of infection is from \_\_\_\_ days.
- 2-10
  - 1-21
  - 1-22
  - 2-21
29. Current guidelines recommend screening any patient presenting with a fever greater than \_\_\_\_ degrees Fahrenheit.
- 101.1
  - 100.4
  - 102.4
  - 104.4
30. Contact and droplet isolation precautions should be implemented with airborne isolation precautions if the patient is \_\_\_\_.
- Coughing
  - Sneezing
  - Vomiting
  - All of the above
31. According to the World Health Organization, mortality rates associated with Ebola range from \_\_\_\_.
- 25%-90%
  - 20%-90%
  - 50%-90%
  - 50%-80%
32. The current epidemic involving \_\_\_\_ is the most virulent.
- ICEBOV
  - BEBOV
  - ZEBOV
  - SEBOV
33. In early October 2014, the CDC reported that \_\_\_\_ healthcare workers caring for EVD patients in West Africa has contracted the disease.
- 232
  - 334
  - 401
  - 441
34. When testing for EVD, leukopenia with \_\_\_\_ is a common laboratory finding.
- Neutrophilia
  - Lymphocytopenia
  - Thromboplastin
  - Prothrombin
35. A significant number of patients with EVD will require \_\_\_\_.
- Renal replacement therapy
  - Right internal jugular therapy
  - Hemodialysis
  - Subclavian vein placement

# Answers CE CREDIT PKG 25: 5.5 CONTINUING EDUCATION CREDITS

AST Member No: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

## CE Credit PKG 25: 5.5 CONTINUING EDUCATION CREDITS

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Card# \_\_\_\_\_ Expiration Date \_\_\_\_\_ Signature \_\_\_\_\_

### The Rise of MRSA

a	b	c	d	a	b	c	d		
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

### The Spread of the Superbug

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5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

### Dealing with Infectious Disease - Ebola

a	b	c	d	a	b	c	d	a	b	c	d					
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	11. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	17. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	23. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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### Dealing with Infectious Disease – Ebola continued...

a	b	c	d	a	b	c	d	
25.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark one box next to each number. Only one correct or best answer will be selected for each question
26.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	33.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	34.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					