

Bacterial Skin and Soft Tissue Infections

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This month's quiz is based on the article "Bacterial Skin and Soft Tissue Infections," which begins on page 9 of this issue. Choose the single best answer for each question.

- 1. Which of the following organisms is the most commonly identified cause of skin and soft tissue infections (SSTIs) in the United States?**
 - (A) *Pseudomonas aeruginosa*
 - (B) *Staphylococcus aureus*
 - (C) *Staphylococcus epidermidis*
 - (D) *Streptococcus pyogenes*
- 2. Which of the following organisms causes erysipelas?**
 - (A) *Enterococcus faecalis*
 - (B) *Staphylococcus aureus*
 - (C) *Staphylococcus epidermidis*
 - (D) *Streptococcus pyogenes*
- 3. What is the main risk factor for developing an SSTI due to *Vibrio* species?**
 - (A) Animal bites
 - (B) Hot tubs
 - (C) Recent hospitalization
 - (D) Seawater
- 4. Treatment of superficial SSTIs may potentially include all of the following EXCEPT**
 - (A) Débridement
 - (B) Heat packs
 - (C) Incision and drainage of any abscesses
 - (D) Topical antibiotic drugs
- 5. Which of the following antibiotic agents used to treat SSTIs is associated with inducible resistance?**
 - (A) Clindamycin
 - (B) Linezolid
 - (C) Minocycline
 - (D) Vancomycin
- 6. How does necrotizing fasciitis present?**
 - (A) Indolently
 - (B) Only after trauma
 - (C) With well-demarcated borders of erythema
 - (D) With pain out of proportion to physical findings
- 7. Which main virulence factor allows *Streptococcus pyogenes* to avoid phagocytosis?**
 - (A) DNase
 - (B) Exotoxins SpeA, B, and C
 - (C) M protein
 - (D) Streptokinase
- 8. Which of the following is not a virulence factor associated with methicillin-resistant *Staphylococcus aureus*?**
 - (A) Enterotoxin
 - (B) Hyaluronic acid capsule
 - (C) *mec IV* gene
 - (D) Panton-Valentine leukocidin
- 9. Which of the following is not a cardinal sign of an SSTI?**
 - (A) Atrophy
 - (B) Erythema
 - (C) Increased warmth
 - (D) Tenderness to palpation

For answers, see page 29.

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Answers to Clinical Review Quiz

Answers to the Clinical Review Quiz, which appears on page 48. The article on bacterial skin and soft tissue infections begins on page 9.

1. (B) *Staphylococcus aureus*
2. (D) *Streptococcus pyogenes*
3. (D) Seawater
4. (A) Débridement
5. (A) Clindamycin
6. (D) With pain out of proportion to physical findings
7. (C) M protein
8. (B) Hyaluronic acid capsule
9. (A) Atrophy

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