

## 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*

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**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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