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 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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