Contents

Preface / v
Contributors / ix

1. Overview of *Staphylococcus aureus* in Medicine / 1
   Kent Crossley

2. Epidemiology of MRSA / 12
   Nasia Safdar, Germana Silva, Barry C. Fox, and Linda M. McKinley

3. MRSA: Genetics, Virulence Factors, and Toxin Expression / 31
   Dennis L. Stevens, Tanyalak Parimon, and Amy E. Bryant

4. Community-Associated MRSA as a Pathogen / 46
   Karen J. Brasel and John A. Weigelt

5. MRSA and Complicated Skin and Soft Tissue Infections / 60
   Kamal M. F. Itani

6. MRSA in the Diabetic Foot / 78
   Lee C. Rogers, Nicholas J. Bevilacqua, and David G. Armstrong

7. Methicillin-Resistant *Staphylococcus aureus* Pneumonia / 97
   Anna P. Lam and Richard G. Wunderink

8. Device-Related Infections and MRSA: Central Venous Catheters,
   Vascular Grafts, and Orthopedic Implants / 121
   Mary Beth Graham

9. MRSA Bacteremia / 140
   Melissa Brunsvold and Lena M. Napolitano
10. Antibiotics for MRSA Infections in the United States / 164
R. Lawrence Reed

11. Gram-Positive Resistance—Clinical Implications / 188
John C. Rotschafer, Mary A. Ullman, and Isaac Mitropoulos

12. Reducing the Risk of Nosocomial Dissemination of Methicillin-Resistant Staphylococcus aureus: An Infection Control Perspective / 204
Charles E. Edmiston, Jr. and Nathan A. Ledeboer

13. MRSA Prevention and Control / 232
Renae E. Stafford

14. Outcomes and Cost Considerations with MRSA Infections / 249
Jack E. Brown, Jeremy Dengler, and Thomas P. Lodise, Jr.

Index / 277