

Foreword

Preface to the First Edition

Preface to the Second Edition

Preface to the Third Edition

Preface to the Fourth Edition

Editors

Contributors

SECTION I: CLINICAL DIAGNOSTIC APPROACH IN THE CRITICAL CARE UNIT

1. Diagnostic Reasoning and Clinical Problem Solving

Burke A. Cunha

2. Clinical Approach to Fever in the Critical Care Unit

Burke A. Cunha

3. Physical Exam Clues and Their Mimics in Infectious Diseases in the Critical Care Unit

Yehia Y. Mishriki

4. Ophthalmologic Clues to Infectious Diseases and Their Mimics in the Critical Care Unit

Cheston B. Cunha, Michael J. Wilkinson, and David A. Quillen

5. Radiology of Infectious Diseases and Their Potential Mimics in the Critical Care Unit

Jocelyn A. Luongo, Boris Shapiro, Orlando A. Ortiz, and Douglas S. Katz

6. Non-specific Laboratory Tests in the Critical Care Unit

Charles W. Stratton

7. Infections and Their Mimics in Returning Travelers in the Critical Care Unit

Elise Kochoumian, Jonathon Moore, Bushra Mina, and Kevin Cahill

8. Diagnostic Approach to Rash and Fever in the Critical Care Unit

Lee S. Engel, Charles V. Sanders, and Fred A. Lopez

9. Severe Tick-Borne Infections and Their Mimics in the Critical Care Unit

Praveen Sudhindra and Gary P. Wormser

SECTION II: CLINICAL SYNDROMIC APPROACH IN THE CRITICAL CARE UNIT

10. The Clinical Approach to Sepsis and Its Mimics in the Critical Care Unit

Abdullah Chahin and Steven M. Opal

11. Acute Bacterial Meningitis and Its Mimics in the Critical Care Unit

Burke A. Cunha

12. Encephalitis and Its Mimics in the Critical Care Unit

John J. Halperin

13. Severe Community-Acquired Pneumonia in the Critical Care Unit

Burke A. Cunha

14. Legionnaire's Disease and Severe Pneumonia Mimics in the Critical Care Unit

Burke A. Cunha

15. Severe Influenza Pneumonia and Its Mimics in the Critical Care Unit

Eleni E. Magira

16. Severe Non-influenza Viral Pneumonia in the Critical Care Unit

David Waldner, Thomas J. Marrie, and Wendy Sligl

17. Nosocomial Pneumonia in the Critical Care Unit

Burke A. Cunha

18. Central Venous Catheter Infection in the Critical Care Unit

Emilio Bouza and Almudena Burillo

19. Acute Infective Endocarditis and Its Mimics in the Critical Care Unit

John L. Bruschi

20. Diagnostic Approach to Myocarditis in the Critical Care Unit

Shabnam Seydaffkan and Jason M. Lazar

21. Intra-Abdominal Surgical Infections and Their Mimics in the Critical Care Unit

Donald E. Fry

22. *Clostridium difficile* and Its Mimics in the Critical Care Unit

Burke A. Cunha

23. Diagnostic Approach to Fulminant Hepatitis in the Critical Care Unit

Huei-Wen Lim and David Bernstein

24. Diagnostic Approach to Acute Kidney Injury in the Critical Care Unit

Sonali Gupta, Divyansh Bajaj, Sana Idrees, and Joseph Mattana

SECTION III: CLINICAL APPROACH TO INFECTIONS IN COMPROMISED HOSTS IN THE CRITICAL CARE UNIT

25. Overwhelming Post-Splenectomy Infections in the Critical Care Unit

Larry I. Lutwick and Jana Preis

26. Infections in Cirrhosis in the Critical Care Unit

John M. Horne and Laurel C. Preheim

27. Febrile Neutropenia in the Critical Care Unit

Perrine Parize, Anne Pouvaret, Paul-Louis Woerther, Frédéric Pène, and Olivier Lortholary

28. Infections Related to Steroids and Immunosuppressive Agents in the Critical Care Unit

Gülden Yilmaz and Müge Ayhan

29. Infections in Solid Organ Transplant Recipients Admitted to the Critical Care Unit

Almudena Burillo, Patricia Muñoz, and Emilio Bouza

30. Care of Critically Ill Patients with HIV

Joseph Metmowlee Garland, Andrew Levinson, and Edward Wing

SECTION IV: ANTIMICROBIAL THERAPY AND ANTIBIOTIC STEWARDSHIP IN THE CRITICAL CARE UNIT

31. Principles of Antibiotic Stewardship in the Critical Care Unit

Cheston B. Cunha

32. Colonization, Infection, and Resistance in the Critical Care Unit

Edward J. Septimus

33. Rapid Infectious Diseases Diagnostics in the Critical Care Unit

Bronwen Garner and Kimberly Hanson

34. Antibiotic Therapy of Multidrug Resistant Organisms in the Critical Care Unit

Burke A. Cunha

35. Antibiotic Therapy in the Penicillin-Allergic Patient in the Critical Care Unit

Burke A. Cunha

36. Adverse Reactions to Antibiotics in the Critical Care Unit

Diane M. Parente, Cheston B. Cunha, and Michael Lorenzo

37. Antibiotic Dosage Adjustment in Renal Insufficiency and Hemodialysis in the Critical Care Unit

Damary C. Torres, Kristina Bruno, and Danielle Maffei

38. Antibiotic Failure: Apparent or Actual in the Critical Care Unit

Burke A. Cunha

Index