Contents

Contributor list, vii
Foreword, xi
Preface, xiii

1 Prehospital Emergency Medicine, 1
Matthew Boylan and Tim Nutbeam

2 Activation and Deployment, 3
Andrew Thurgood and Matthew Boylan

3 Personal Protective Equipment, 7
Clare Bosanko and Matthew Boylan

4 Scene Safety and Assessment, 13
Vic Calland and Pete Williams

5 The Primary Survey, 18
Tim Nutbeam and Matthew Boylan

6 Airway Assessment and Management, 20
Märten Sandberg, Anders Rostrup Nakstad, Peter Anthony Berlac, Per Kristian Hyldmo, and Matthew Boylan

7 Breathing Assessment and Management, 27
Per Kristian Hyldmo, Peter Anthony Berlac, Anders Rostrup Nakstad, Märten Sandberg, and Matthew Boylan

8 Circulation Assessment and Management, 35
R. J. Dawes and Matthew Boylan

9 Prehospital Anaesthesia, 44
Tim Hooper and David Lockey

10 Prehospital Analgesia and Sedation, 51
Jonathan Hulme

11 Prehospital Monitoring, 57
Tim Harris and Peter Shirley

12 Prehospital Ultrasound, 63
Tim Harris, Adam Bystrzycki, and Stefan Mazur

13 Trauma: Head Injury, 70
Jeremy Henning and Clare Hammell

14 Trauma: Spinal Injuries, 75
Lucas A. Myers, Christopher S. Russi, Matthew Boylan, and Tim Nutbeam

15 Trauma: Abdominal Injury, 81
Keith Roberts
Contents

16 Trauma: Pelvic Injury, 84
   Matt O’Meara, Keith Porter, and Tim Nutbeam

17 Trauma: Extremity Injury, 87
   Matt O’Meara, Keith Porter, and Tim Nutbeam

18 Trauma: Burns, 90
   Alex Jones, Anna Barnard, and Keith Allison

19 Trauma: Suspension and Crush, 98
   Jason van der Velde

20 Trauma: Ballistic and Blast, 103
   Matthew Boylan

21 Trauma: Extrication of the Trapped Patient, 110
   Malcolm Q. Russell

22 Cardiac Arrest, 118
   Walter Kloeck, Efraim Kramer, Martin Botha, and David Kloeck

23 Acute Medical Emergencies, 126
   Adam Low and Tim Nutbeam

24 Environmental Injuries, 134
   Peter Aitken, Mark Little, Ian Norton, and Andrew Pearce

25 Environmental: Altitude Injury, 141
   Harvey Pyns

26 Environmental: Drowning and Near Drowning, 144
   Tim Nutbeam

27 Environmental: Diving Emergencies, 146
   Tudor A. Codreantu

28 Care of Special Groups: The Obstetric Patient, 150
   Kristyn Manley, Tracy-Louise Appleward, Tim Draycott, and Matthew Boylan

29 Care of Special Groups: The Paediatric Patient, 159
   Fiona Jewkes and Julian Sandell

30 Care of Special Groups: The Elderly Patient, 165
   Tim Nutbeam

31 Care of Special Groups: The Bariatric Patient, 168
   Lynn Gerber Smith, Suzanne Sherwood, Anna Ferguson, and Dennis Jones

32 Retrieval and Transport, 172
   Peter Aitken, Mark Elcock, Neil Ballard, and Matt Hooper

33 Emergency Preparedness: Major Incident Management, 179
   Damian Keene, Tim Nutbeam, and Clare Scanlon

34 Emergency Preparedness: Chemical, Biological, Radiation and Nuclear Incidents, 185
   Christopher A. Kahn, Kristi L. Koeng, and Matthew Boylan

35 Emergency Preparedness: Mass Gatherings, 190
   Lee Wallis and Wayne Smith

36 Clinical Governance, 195
   Assiah Mahmood and Rod Mackenzie

37 Medicolegal and Ethical Aspects of Prehospital Emergency Medicine, 201
   Craig M. Klagman and Jennifer Bard

38 Research and Development in Prehospital Emergency Medicine, 206
   Suzanne Mason and A. Niroshan Siriswardena

Index, 209