# Contents

Preface and acknowledgements 7  
List of abbreviations 8

1 Life in the Emergency Department 10  
2 Diagnosis 12  
3 Shock and intravenous fluids 14  
4 Imaging in the Emergency Department 16  
5 Analgesia 18  
6 Airway management and sedation 20  
7 Blood gas analysis 22  
8 Trauma: primary survey 24  
9 Trauma: secondary survey 26  
10 Major head and neck injury 28  
11 Minor head and neck injury 30  
12 Wounds 32  
13 Burns 34  
14 Hand injuries 36  
15 Wrist and forearm injuries 38  
16 Shoulder and elbow injuries 40  
17 Back pain, hip and knee injuries 42  
18 Tibia, ankle and foot injuries 44  
19 Abdominal pain 46  
20 Urology problems 48  
21 Ear, nose, throat and dental problems 50  
22 Eye problems 52  
23 Obstetrics and gynaecology problems 54  
24 Toxicology: general principles 56  
25 Toxicology: specific poisons 58  
26 Psychiatry: self-harm and capacity 60  
27 Psychiatry: the disturbed patient 62  
28 Observational medicine 64  
29 Loss of function and independence 66  
30 Syncope, collapse and falls 68  
31 Slow heart rate 70  
32 Fast heart rate 72  
33 Cardiac arrest 74  
34 Chest pain: cardiovascular 76  
35 Chest pain: non-cardiovascular 78  
36 Shortness of breath 80  
37 Anaphylaxis 82  
38 Sepsis 84  
39 Endocrine emergencies 86  
40 Gastroenterology 88  
41 Headache 90  
42 Stroke and transient ischaemic attack 92  
43 Seizures 94  
44 Hypothermia and hyperthermia 96  
45 Pre-hospital medicine 98  
46 Major incident 100  
47 Chemical, biological, radiation, nuclear and explosive incidents 102  

Case studies: questions 104  
Case studies: answers 107  

Index 113