

Contents



Preface vii

Acknowledgements viii

1	How the Emergency Department Works	2
2	Diagnosis / using tests	4
3	Diagnostic Tests	6
4	Imaging in ED	12
5	Blood Gas Analysis	14
6	Shock and Intravenous Fluids	16
7	Analgesia	18
8	Sedation and Anaesthesia	20
9	Airway and Breathing	22
10	Major Trauma	24
11	Head and Neck Injury 1	26
12	Head and Neck Injury 2	28
13	Wounds	30
14	Burns	32
15	Hand Injuries	34
16	Wrist and Forearm Injuries	36
17	Shoulder and Elbow Injuries	38
18	Back Pain	40
19	Tibia, Ankle and Foot Injuries	42
20	Hip and Knee Injuries	44
21	Abdominal Pain	46
22	Urology	48
23	Ear/Nose/Throat/Dental	50
24	Eyes	52
25	Obstetrics and Gynaecology	54
26	Toxicology 1 – General Principles	56
27	Toxicology 2 – Specific Poisons	58
28	Psychiatry 1: Self-harm	60
29	Psychiatry 2: Behavioural Disturbance	62
30	Social Factors in the ED	64
31	The Extended ED	66
32	Older Patients in the ED and Frailty	68
33	Syncope/Collapse	70
34	Slow Heart Rate and Conduction Problems	72
35	Fast Heart Rate	74
36	Cardiac Arrest	76
37	Chest Pain I – Cardiovascular	78
38	Chest Pain II – Non-Cardiovascular	80
39	Shortness of Breath	82
40	Anaphylaxis	84
41	Sepsis	86
42	Endocrine Emergencies	88

43	Gastrointestinal Symptoms	90
44	Headache	92
45	Stroke/Transient Ischaemic Attack	94
46	Seizures	96
47	Cold and Heat Injury	98
48	Pre-Hospital Medicine	100
49	Disaster/Major Incident	102
50	Pandemic	104
51	Chemical, Biological, Radiation, Nuclear and Explosive (CBRNE) Incidents	106
52	Medicolegal Aspects of ED Work	108

Index 110