
Table of contents

Volume 1

Resuscitation

Cardiac arrest

International resuscitation guidelines 2010 1
Basic life support 1

Advanced cardiac life support 5

Assessment during resuscitation

Resuscitation teams 10
Assessment of physiological disturbance 10

Physiological monitoring 11

Airway management

Anaesthetic equipment 17
Bag mask ventilation 19
Induction agents 20
Inhalational anaesthetic agents 23
Neuromuscular physiology 24
Neuromuscular blockade 24
Suxamethonium 25
Non depolarising neuromuscular blocking agents 26
Intubation equipment 27
Orotracheal intubation 29

Difficult intubation 31
Endotracheal extubation 35
Other intubation techniques 36
Other airway techniques 37
Surgical airway techniques 37
Paediatric airway management 39
Airway control in special situations 40
Anaesthetic risk 42
Malignant hyperthermia 43
Procedural sedation 44

Respiratory support

Introduction 47
Oxygen therapy 48
Continuous positive airway pressure (CPAP) 50

Non invasive ventilation 50
Ventilation 52
Ventilation in special circumstances 56

Cardiac arrhythmias

Introduction 58
Ventricular arrhythmias 60
Atrial fibrillation 64
Supraventricular tachycardia 69
Carotid sinus massage 74
Other arrhythmias 75

Bradycardias 77
Anti-arrhythmic drugs 81
Electrical cardioversion 84
Pacemakers 87
Complications of pacemakers 90
Syncope 93

Circulatory support

Peripheral intravenous access 96
Difficult intravenous access 101
Central venous access 102
Arterial access 107
Intravenous fluids 108
Shock 110
Hypovolaemia 114
Transfusion therapy 118

Sepsis 124
Cardiac output measurement 127
Inotropes 128
Mechanical cardiovascular support 130
Hypertension 130
Drugs for hypertensive emergencies 132
Other anti-hypertensive agents 133

Brain injury management

Intracranial pressure 139
Cerebral reperfusion injury 139

Prevention of secondary brain injury 140

Paediatric resuscitation

Paediatric resuscitation 142

Neonatal resuscitation 145

Analgesia

Acute pain management 147	Chronic pain 152
Opioids 149	Local anaesthesia 153
Non steroidal anti-inflammatory drugs (NSAIDs) 151	Regional anaesthesia 155
	Intravenous regional anaesthesia 159

Clinical practice skills

Patient safety

Patient safety 161	Discharge planning 172
Clinical decision making 165	Violence 173
Communication 167	Domestic violence 177
The medical record 170	

Professional skills

Personal skills 178	Conflict management 187
Leadership 181	Clinical skills 189
Supervision 182	Medical education 191
Teamwork 185	

Culture 197

Culture 197	Vietnamese culture and health 203
Aboriginal and Torres Strait Islander health 201	

Dealing with special situations

Aging 205	Drug seeking behaviour 216
Obesity 207	Special status patients 217
Complementary medicine 209	Media interactions 220
Patients who did not wait 210	Palliative care 221
Consent 212	Bereavement 222
Refusal of treatment 213	Coroners acts 227
Frequent attenders to the ED 216	

Cardiac investigations

Electrocardiography 228	Other cardiac investigations 238
Echocardiography 235	

Medical imaging

General approach to medical imaging 240	Nuclear medicine 247
Computerised tomography 241	Magnetic resonance imaging 248
Radiation and diagnostic imaging 242	Intravenous contrast 249
Ultrasonography 244	

Clinical biochemistry

Specimen collection 251	Chloride 269
Interpretation of investigation results 251	Potassium 269
Assessment of test performance 252	Hypokalaemia 270
Test turnaround time 255	Hyperkalaemia 272
Blood gas analysis 255	Urea & creatinine 273
Acid-base disorders 258	Calcium 275
Acidosis 258	Hypercalcaemia 276
Metabolic acidosis 258	Hypocalcaemia 278
Respiratory acidosis 262	Magnesium 278
Alkalosis 262	Hypomagnesaemia 279
Sodium 264	Hypermagnesaemia 280
Hyponatraemia 265	Phosphate 280
Hypernatraemia 268	Hypophosphataemia 281

Hyperphosphataemia 282	Serum proteins 285
Liver function tests 282	
Haematological investigations	
Haemoglobin 287	The blood film 289
White blood cells 288	Other investigations 290
Clinical pharmacology	
Pharmacological principles 291	Drug dosing & administration 297
Pharmacodynamics 292	Drug interactions 300
Pharmacokinetics 293	Adverse drug reactions 302
Drug metabolism 295	Drugs in sport 303

Research skills	
Analysing medical literature	
The medical literature 305	Sections of a scientific paper 309
The scientific paper 307	Analysis of the medical literature 311
Study design	
Research projects 314	Enrolment and randomisation 318
Ethics of research 314	Outcome measures 319
Experimental design 315	Trial registration 320
Data and statistics	
Statistical definitions 322	Measures of association 329
Data collection 322	Statistical power 330
Data description 324	Inferential statistics 331
Data display 327	Comparison of variables between groups 332
Probability 329	Correlations between variables 335

Management	
Clinical systems management	
Emergency medicine 339	Quality improvement 350
Emergency department management 340	Clinical indicators 352
Triage 342	Emergency department overcrowding 353
Emergency department design 345	Time limited ED care targets 355
Information systems 347	Patient satisfaction 359
Short stay medicine 348	Financial issues 362
Clinical practice guidelines 349	
Staff management	
Performance management 367	Rosters 370
Work stress 368	ED staffing 371
Medicolegal medicine	
Law 373	Medicolegal reports 376
Medicolegal issues 374	Court appearances 376
Disaster medicine	
Disaster medicine 378	

Cardiovascular disorders

Non ACS chest pain

- Evaluation of chest pain 387
- Pulmonary embolism (PE) 387
- Investigations in PE - non imaging 389
- Investigation in PE - imaging 392
- Management of PE 395
- PE in special populations 397
- Nonthrombotic embolism 398
- Thoracic aortic dissection 399
- Pericarditis 402
- Oesophageal causes of chest pain 405

Acute coronary syndromes (ACS)

- Clinical assessment of suspected ACS 407
- The ECG in acute coronary syndromes 408
- Cardiac biomarkers in ACS 416
- Other diagnostic modalities in ACS 418
- Coronary artery disease 419
- Complications of AMI 422
- Risk stratification in suspected ACS 423
- Management of acute coronary syndromes 425
- Acute reperfusion therapy of AMI 429
- Thrombolytic agents 433
- Delays to reperfusion 435
- Prognostic factors in AMI 436
- Cardiovascular risk reduction 437

Cardiac failure

- Determinates of cardiac output 439
- Cardiac failure 439

Structural heart disease

- Cardiovascular examination 446
- Cardiac auscultation 448
- Aortic valve disease 450
- Other valve lesions 452
- Prosthetic heart valves 455
- Cardiac murmur differentiation 457
- Endocarditis 458
- Congenital heart disease 461
- Acyanotic lesions with left to right shunt 461
- Other congenital cardiovascular abnormalities 463
- Cyanotic congenital heart disease 466
- Pulmonary hypertension 469
- Cardiac tumours 469
- Cardiac transplantation 470

Pericardial & myocardial disease

- Pericardial tamponade 472
- Acute myocarditis 475
- Rheumatic fever 477

Vascular emergencies

- Peripheral ischaemia 479
- Arterial occlusion 480
- Gangrene 480
- Thromboangiitis obliterans 481
- Takayasu's arteritis 482
- Thoracic outlet syndrome 482
- Popliteal aneurysms 483
- Mycotic aneurysms 483
- Vascular complications of IV drug use 484
- Complications of angiography 485
- Vascular access for haemodialysis 485

Venous disease

- Varicose veins 487
- Oedema 487

Respiratory disorders

Respiratory assessment

- Respiratory examination 489
- The chest X-ray 491
- Mediastinal masses 497
- Respiratory function tests 498

Respiratory disease

- Asthma 500
- Assessment of asthma 500
- Acute asthma management 503
- Bronchodilator agents 505
- Management of life threatening asthma 507
- Long term asthma management 509
- Chronic obstructive pulmonary disease 511
- Assessment of COPD 512

Management of COPD 513
 Bronchiectasis 515
 Home oxygen therapy 517
 Tracheobronchial foreign bodies in children 518
 Haemoptysis 518
 Carcinoma of the lung 519

Pleural diseases

Abnormal intrathoracic gas 534
 Assessment of pneumothorax 536
 Management of pneumothorax 538

Sleep apnoea syndrome 522
 Community acquired pneumonia (CAP) 523
 Infectious agents causing CAP 528
 Pulmonary aspiration 530
 Acute respiratory distress syndrome 532

Pleural effusion 543
 Parapneumonic effusion & empyema 545

Abdominal disorders

General gastroenterology

Examination of the GIT 547
 Antiemetics 550

Perianal problems 551
 Gastrointestinal devices 553

Abdominal pain

Assessment of abdominal pain 555
 Causes of abdominal pain 556
 Appendicitis 559
 Bowel obstruction 562
 Hernias 565
 Infective gastroenteritis 566
 Alcoholic ketoacidosis 568
 Abdominal aortic aneurysm 569
 Other abdominal aneurysms 572

Mesenteric ischaemia 572
 Peptic ulcer disease 574
 Pancreatitis 576
 Biliary disease 579
 Cholecystitis 580
 Diverticular disease 581
 Inflammatory bowel disease 582
 Irritable bowel syndrome 583

GIT haemorrhage

Upper GI haemorrhage 584

Lower intestinal haemorrhage 586

Liver disease

Hepatic diseases 588
 Ascites 590
 Spontaneous bacterial peritonitis 592
 Jaundice 592

Hepatitis 593
 Reye's syndrome 595
 Acute liver failure 596
 Hepatic tumours 597

GIT tumours

Gastric carcinoma 598
 Pancreatic carcinoma 598

Colonic carcinoma 599
 Carcinoid 600

Dysphagia

Dysphagia 601

Gastrointestinal foreign bodies 602

Neurological disorders

Neurological assessment

Assessment of cognition 605
 Assessment of speech 605
 Cerebral lobe function 606
 Cerebellar function 607
 Contents of skull foramina 609
 Cranial nerve examination 610

Peripheral nervous system examination 618
 Brain death 622
 Neurological investigations 623
 Nerves of the upper limb 624
 Nerves of the lower limb 627

Table of contents

Stroke

Cerebrovascular disease 630

Stroke 633

Thrombolytic therapy in stroke 639

Carotid and vertebral artery dissection 643

Headache

Headache 646

Primary headaches 646

Secondary headaches 647

Subarachnoid haemorrhage 648

Meningitis 653

Encephalitis 656

Lumbar puncture 657

Migraine 659

Idiopathic intracranial hypertension 663

Hydrocephalus 664

Cerebral venous sinus thrombosis 666

Cerebral tumours 667

Cerebral ventricular shunts 669

Seizures

Seizures 672

Status epilepticus 674

Anti-convulsants 676

Altered mental state 680

Altered mental state 680

Coma and altered conscious state 681

Neuroleptic malignant syndrome 684

Weakness

Non traumatic spinal cord disorders 685

Multiple sclerosis 687

Neuropathies and myopathies 688

Guillain Barré syndrome 689

Botulism 690

Diphtheria 690

Tetanus 691

Myasthenia gravis 692

Polymyositis 693

Muscular dystrophies 693

Metabolic paralysis 693

Motor neurone disease 694

General neurology

Vertigo 695

Parkinson's disease 696

Other movement disorders 697

Peripheral neuropathy 698

Phakomatoses 699

Endocrinology

Diabetic emergencies

Diabetes mellitus 701

Hypoglycaemia 705

Diabetic ketoacidosis 707

Hyperglycaemic hyperosmolar state 709

Other endocrine disorders

Adrenal insufficiency 710

Cushing's syndrome 712

Pituitary insufficiency 714

The Thyroid 714

Hyperthyroidism 715

Thyroid storm 716

Hypothyroidism 717

Breast lumps 718

Breast carcinoma 719

Anabolic steroids 720

Volume 2

Infectious disorders

General infectious diseases

Non-infective fevers 723

Bacterial cultures 723

Cytomegalovirus infection 725

Epstein-Barr virus infection 725

Toxoplasmosis 726

Infective gastroenteritis 727

Cryptococcal disease 729

Infection control

Epidemiology of infectious disease 730

Infection control 730

Drug resistant Staph aureus 732

Immunisation 733

Disinfection 737

Body fluid exposure 738

Notifiable diseases 739

Antimicrobials

Antibacterial drugs 741

Antiviral drugs 746

Respiratory infections

Tuberculosis 750

Influenza 751

Severe acute respiratory syndrome (SARS) 753

Skin and soft tissue infections

Cellulitis 754

Gas gangrene & necrotising fasciitis 757

Herpes simplex 757

Varicella-zoster infections 759

Sexually transmitted diseases

STD presentations 761

Gonorrhoea 761

Chlamydial infections 762

Syphilis 763

HIV infection 764

The febrile traveller

The febrile traveller 769

Malaria 770

Traveller's diarrhoea 772

Salmonella disease 773

Dengue fever 774

Ross river fever 775

Melioidosis 776

Rickettsial disease 776

Parasitic diseases 777

Other viral infections 779

Infections from animals

Q fever 781

Brucellosis 781

Rabies 782

Biological warfare agents

Biological warfare agents 783

Anthrax 783

Plague 785

Smallpox 786

Tularemia 787

Botulism 788

Viral haemorrhagic fevers 790

Paediatrics

General paediatrics

Assessment of children 791

Assessment of adolescents 792

Physiological and anatomic differences in children 793

The limping child 795

Paediatric malignancy 796

Non accidental injury 797

Sudden infant death syndrome 799

Table of contents

Attention deficit disorder 800

Intellectual disability 800

Fever in children

The febrile child 803

Measles 805

Rubella 807

Varicella / Chickenpox 807

Mumps 808

Infectious mononucleosis 808

Erythema infectiosum 808

Roseola infantum 808

Scarlet fever 809

Urinary tract infection 809

Paediatric meningitis 810

Meningococcal disease 812

Other inflammatory conditions 813

Respiratory disease in children

Wheeze in childhood 815

Bronchiolitis 815

Croup 817

Pertussis / parapertussis 818

Paediatric pneumonia 820

Cystic fibrosis 821

Abdominal disease in children

Paediatric gastroenteritis 822

Paediatric abdominal conditions 824

Foreign body ingestion 826

Neonatal problems

Neonatal problems 828

Mental health

Mental health in the ED

Emergency mental health services 833

Evaluation 835

Medical clearance in mental illness 836

Mental health legislation 837

Mental health disorders

Classification of psychiatric illness 840

Affective disorders 841

Antidepressant medications 846

Psychosis 847

Antipsychotic medications 849

Anxiety disorders 851

Torture & trauma 852

Somatoform disorders 853

Eating disorders 855

Obstetrics & gynaecology

Pelvic pain

Miscarriage 857

Dysfunctional uterine bleeding 857

Ectopic pregnancy 858

Pelvic inflammatory disease 860

Dysmenorrhoea 861

Ovarian cysts 862

Endometriosis 863

Gynaecology

Gynaecological examination 864

Abnormal vaginal bleeding 864

Other genital infections 866

Gynaecological disorders 868

Ovarian hyperstimulation syndrome 869

Sexual assault 870

Contraception 872

Menopause 873

Obstetrics

Pregnancy 875

Changes in pregnancy 877

Labour & delivery 879

The normal puerperium 880

Abnormal labour 881

Electronic monitoring of labour 883

Hyperemesis gravidarum 884

Hypertension in pregnancy 885

Rh Isoimmunisation 887

Antepartum haemorrhage 889

Drugs in pregnancy and lactation 890
Radiation in pregnancy and lactation 891

Post-partum haemorrhage 893
Trauma in pregnancy 894

Urogenital disorders

Urinary disorders

Kidney ureter and bladder 895
Loin pain 895
Renal calculi 897
Urinary tract infection 900

Prostatitis 901
Urinary retention 902
Urinary catheterisation 902

Genitourinary disorders

Scrotal emergencies 905
Other urogenital problems 908

Benign prostatic hypertrophy 909
Prostatic carcinoma 910

Renal disease

Urinalysis 911
Other diagnostic procedures 912
Nephrotic & nephritic syndromes 913
Glomerulonephritis: Nephritic presentation 913
Glomerulonephritis: Nephrotic presentation 914
Polycystic kidney disease 915
Urological tumours 916
Other renal abnormalities 917

Acute renal failure 918
Chronic renal failure 919
Peritoneal dialysis 920
Haemodialysis 921
Haemofiltration 922
Extracorporeal vascular access 923
Renovascular problems 923
Renal transplantation 923

Haematological disorders

Anaemia

Anaemia 927
Microcytic anaemia 928
Macrocytic anaemia 929

Normochromic anaemia 932
Haemoglobinopathies 934

Abnormal haemostasis

Normal haemostasis 938
Petechiae 941
Thrombocytosis 942
Thrombocytopenia 942
Idiopathic thrombocytopenic purpura (ITP) 944

Thrombotic microangiopathies 944
Qualitative platelet defects 946
Coagulation testing 946
Disorders of clotting 947
Disseminated intravascular coagulation 949

Venous thrombosis

Thrombophilia 951
Deep venous thrombosis 952
Axillary vein thrombosis 957
Heparin 957

Warfarin 959
Other anticoagulants 962
Vena caval filters 963

Oncology

Bone marrow 964
Leukaemia 965
Multiple myeloma 967
Myeloproliferative disorders 968
Myelodysplastic syndromes 969

Lymphoma 969
Lymphadenopathy 970
Febrile neutropenia 970
Other oncologic emergencies 971
Bone marrow transplantation 973

Immune function disorders

Hypersensitivity

Hypersensitivity reactions 975
Hay fever 976
Anaphylaxis 976

Immunological investigations 980
Immune complex disease 981
Polyarteritis nodosa 982

Immunomodulating therapies

Immunosuppressants 983
Interferons 985

Immune globulin therapy 986
Plasmapheresis 987

Other disorders of immunity

Angioedema 988
Mastocytosis 989
Systemic lupus erythematosus 989
Sarcoidosis 991
Wegener's granulomatosis 992

Other autoimmune inflammatory diseases 992
Amyloidosis 994
Thymoma 995
Immunodeficiency 996

Soft tissue disorders

Connective tissue disorders

Scleroderma 997
Mixed connective tissue disease 998

Ehlers Danlos syndrome 998
Marfan's syndrome 999

Inflammatory myopathies

Polymyalgia rheumatica 1000
Giant cell arteritis 1000

Polymyositis & dermatomyositis 1001

Environmental disorders

Bites and stings

First aid measures 1003
Australian antivenoms 1004
Insect envenomations 1005

Spider bites 1008
Snakes 1012
Snake bite 1014

Marine related injury

Jellyfish envenomation 1023
Marine envenomations 1025
Toxic marine ingestions 1030

Drowning 1031
Diving medicine 1034

Environmental injury

Hypothermia 1039
Heat related illness 1044

Exercise induced illness 1048
High altitude medicine 1050

Electrical injuries

Electrical injury 1054

Lightning injury 1057

Skin disorders

Rashes

General dermatology 1061
Emergency dermatology 1063
Blistering rashes 1063
Patchy scaly red rashes 1066

Cellulitis mimics 1068
Pruritus 1068
Tinea 1070
Lyme disease 1071

Other skin disorders

Leg ulcers 1073
Skin tumours 1074

Melanoma 1075

Head & neck disorders**Ear disorders**

ENT examination 1077
Ear diseases 1078

Diseases of the external ear 1081
Diseases of the inner ear 1082

Other ENT disorders

Acute sinusitis 1083
Laryngeal anatomy 1085
Sore throat 1085
Other oropharyngeal conditions 1088
Rhinitis 1089

Epistaxis 1089
Ingested foreign bodies 1092
Stridor 1093
Oral conditions 1094

Faciomaxillary disorders

Carcinoma of the head and neck 1096
Salivary gland diseases 1096

Dental emergencies 1097
Conditions of the head and neck 1100

Eye disorders**Ocular assessment and trauma 1103**

Ocular examination 1103
Ophthalmic medications 1107

Ocular trauma 1108

Other ocular disorders

The red eye 1112
Sudden visual loss 1114

Acute angle closure glaucoma 1116

Out of hospital care**Prehospital care**

Emergency medical systems 1119

Efficacy of prehospital interventions 1120

Interhospital care

Interhospital transfer 1122

Helicopter safety 1125

Trauma**Principles of trauma**

Epidemiology of trauma 1127
Trauma teams 1129
Trauma systems 1130
Psychological aspects of trauma care 1131

Patterns of injury 1131
Assessment of the trauma patient 1132
Management of the trauma patient 1134
Trauma scoring systems 1135

Head trauma

Introduction 1137
Complications of head trauma 1138
Investigation of head trauma 1140
Paediatric head trauma 1142

Management of head trauma 1143
Emergency craniotomy 1144
Head injury prognosis 1145
Hanging 1146

Spinal trauma

Spinal immobilisation 1148
Cervical spine injuries 1149
Cervical spine fractures 1153
Cervical spine manipulation 1156

Thoracolumbar injuries 1157
Spinal cord injury 1159
Cerebrovascular trauma 1162
Laryngotracheal trauma 1163

Thoracic trauma

Chest trauma 1164
Chest wall injuries 1164
Pulmonary injuries 1165

Mediastinal injuries 1169
Diaphragmatic injuries 1171

Facial trauma

Faciomaxillary trauma 1173
Nasal trauma 1174
Mandibular trauma 1175
Zygomatico-maxillary trauma 1176

Dental trauma 1178
Intraoral lacerations 1180
Ear trauma 1180

Abdominal and pelvic trauma

Evaluation of abdominal trauma 1182
Splenic trauma 1184
Liver trauma 1185
Bowel injuries 1186

Other retroperitoneal injuries 1187
Urogenital trauma 1188
Pelvic trauma 1191

Penetrating trauma

Non gunshot penetrating trauma 1197
Penetrating head trauma 1198
Penetrating neck trauma 1198
Penetrating thoracic trauma 1199
Emergency department thoracotomy 1200
Penetrating trauma to the trunk 1202

Penetrating trauma to the limbs 1203
Brachial plexus injuries 1205
Nerve injuries 1205
Missile injuries 1206
Specific missile injuries 1209

Hand trauma

Hand injuries 1211
Nail injuries 1215

Bite injuries 1217

Other mechanisms of injury

Crush injury 1218
Compartment syndrome 1219

Radiation injury 1220

Burns

Burns 1222
Burn wounds 1225

Chemical burns 1228

Wound management

Classification of wounds 1230
Wound management 1230
Sutures 1233

Tissue adhesives, tapes and dressings 1235
Subcutaneous foreign bodies 1236

Bone and joint disorders

General orthopaedics

Anatomic principles 1237
Osteomyelitis 1238
Paediatric orthopaedic conditions 1239
Osteoporosis 1241

Paget's disease 1242
Complex regional pain syndrome 1242
Bone tumours 1243
Soft tissue sarcomas 1244

Acute joint disorders

Assessment of joints 1245

Arthritis 1245

Monoarthritis 1246	Neck pain 1252
Causes of monoarthritis 1247	Low back pain 1252
Bursitis 1250	
Chronic arthritis	
Osteoarthritis 1255	Sjogren's syndrome 1259
Rheumatoid arthritis 1256	Seronegative arthritis 1260
Reynaud's phenomenon 1259	
Principles of bone and joint trauma 1263	
Assessment of fractures & dislocations 1263	Splintage technique and procedures 1269
Management of fractures & dislocations 1266	Fracture mimics 1269
Casting techniques 1267	Fractures with names 1270
Lower limb injuries	
Hip joint 1271	Ligament and cartilage injuries of the knee 1280
Dislocations of the hip 1271	soft tissue injuries around the knee 1281
Femoral fractures 1272	Ankle joint 1281
Knee joint 1275	Ankle and foot injuries 1283
Knee dislocations 1276	Soft tissue injuries of the ankle and foot 1288
Knee and leg fractures 1277	
Upper limb injuries	
Shoulder joint 1290	Wrist joint 1302
Glenohumeral joint dislocations 1290	Dislocations around the wrist 1303
Shoulder and arm region injuries 1294	Distal forearm injuries 1304
Soft tissue injuries of the shoulder region 1297	Hand injuries 1307
Elbow and forearm region injuries 1298	
<hr/>	
Toxicology	
Principles of toxicology	
Epidemiology of poisoning 1311	Drug induced seizures 1318
Risk assessment in poisoning 1312	Activated charcoal 1319
Toxidromes 1313	Other methods of GIT decontamination 1321
Sodium channel blocking agents 1315	Extracorporeal elimination of toxic compounds 1322
Potassium channel blocking agents 1316	Analytical toxicology 1324
Poisoning by unknown substances 1317	Illicit drug use 1326
Management of poisoning 1318	
Smoking and alcohols	
Smoking 1328	Osmolality 1336
Ethanol 1330	Ethylene glycol 1336
Alcohol withdrawal 1333	Methanol 1338
Management of alcoholism 1335	Other toxic alcohols 1339
Analgesic toxicity	
Paracetamol 1341	Nonsteroidal anti-inflammatory drugs 1346
Salicylates 1345	
Sedatives & muscarinic antagonists	
Benzodiazepines 1349	Anti-muscarinic agents 1352
Other sedative hypnotics 1350	Anti-histamines 1353
Drugs of abuse	
Sympathomimetics 1355	Opioid agonists 1359
Other drugs of abuse 1357	Opioid antagonists & partial agonists 1362
Cocaine 1358	Clonidine 1363

Table of contents

Antidepressant & antipsychotic toxicity

Antidepressant toxicity 1365

Monoamine oxidase inhibitors 1368

Serotonin toxicity 1369

Antipsychotic agents 1370

Cardiac medications

Beta-blockers 1372

Calcium channel antagonists 1373

Digoxin 1375

Other therapeutic drug toxicity

Anti-convulsant toxicity 1377

Antibiotic toxicity 1378

Chloroquine 1379

Quinine 1380

Isoniazid 1381

Xanthines 1382

Gout medications 1383

Vitamin toxicity 1384

Ergot alkaloids 1385

Toxic plants

Poisonous plants 1387

Mushrooms 1388

Chemical agents

Corrosives 1391

Organophosphates 1392

Other insecticides 1396

Hydrocarbons 1397

Terpines 1400

Essential oils 1400

Paraquat 1401

Other herbicides 1403

Strychnine 1403

Cyanide 1404

Met-haemoglobinaemia 1405

Toxic gases

Carbon monoxide 1407

Other toxic inhalations 1408

Capsicum spray 1411

Toxic metals

Iron 1413

Lithium 1414

Arsenic 1415

Lead 1416

Mercury 1418

Chelating agents 1420

Non ferrous metals 1421

Index

SI unit conversion table

Paediatric dose and equipment chart