# **LIST OF TABLES**

## **VOLUME 1**

Paediatric therapy in cardiac arrest 9

RAPS and REMs 16

REMS score and in hospital mortality 16

Easy Cap colours 20

Oxygen cylinder capacity 22

Induction agents 29

MAC values 29

Nitrous oxide cylinder capacity 30 Entonox (Aus) cylinder capacity 30 Entonox (NZ) cylinder capacity 30

Airtrag models and ETT sizes 34

Suxamethonium and rocuronium compared 37

LMA sizes 43 iGel sizing chart 45

ETT sizes 50

Laryngoscopes and sizes 50 Drug doses in obesity 54

Approximate nasal cannula FiO2 by flow rate 61 Approximate Hudson mask FiO2 by flow rate 61 Indications for mechanical ventilatory support 65

Height and estimated TV 67

FiO2 and PEEP 70

Atrial flutter and ventricular rate 83 AF spontaneous reversion rate 85

Post-reversion time of return of atrial contraction 85 Monophasic energy settings and AF defibrillation 85 Biphasic energy settings and AF defibrillation 85

CHADS2 score risk of stroke 88
CHA2DS2Vasc score risk of stroke 89
Features of accessory pathways 95
Annual incidence of syncope and age 118
Syncope and seizures compared 120
Properties of intravenous catheters 122
CVC insertion length and site 131
Shock therapy checklist 143

Methods of assessment of hypovolaemia 144

IVC diameter and CVP 145

Simplified IVC diameter and CVP 145 Assessment of hypovolaemia 146 Emergency transfusion score 147

Massive transfusion predictors in trauma 147 Heart rate and intervention rate in trauma 147

Type of unit and compatibility 151 Blood group frequency in Australia 151 Blood group and compatibility 151

Risk of viral infection following transfusion 152

MEDs Score parameters 160 MEDS and mortality 160

PEEP adjustment according to FiO2 162 Sympathetomimetic / inotropic agents 165

Blood pressure values 171
Hypertonic saline solutions 186
Paediatric weight calculation 188
Laryngoscope blade sizes 190

ETT sizes 190

Maintenance fluid requirements 190

CVC catheter sizes 191 Intercostal catheter sizes 192

Apgar score 193

Preductal SpO2 targets 193

ETT sizes for neonatal resuscitation 193

Initial IV opiate dose 200 Intranasal fentanyl doses 200

MBTI types and general descriptors 233

Decision making and personality 233

Differences between bosses and leaders 234

Team member roles 240

Knowledge type and delivery method 250

Study techniques 254

Distribution of the indigenous population 261 Did not wait rates (Australia 08-09) 271

Normal values for PLAX view 304

Relative usefulness of echocardiographic views 306

Hounsfield units 310

Post processing CT techniques 311 Radiation doses from imaging 312

Radiation bands 312

Commonly used ultrasound frequencies 313

Risk of contrast reaction 319

Number of tests and false positive results 322

Haemolysis rate and needle size 322 Clinical significance of likelihood ratios 325 Probability change with testing 325

Normal [H+] by pH 328

Inspiratory pO2 and altitude 328 Indications for blood gases 329

Delta ratio 334

Typical daily water balance for a 70 kg person 338 Risk of VF and serum K+ concentration 348 Potassium concentration and toxic effects 349

Treatment of hyperkalaemia 349 Creatinine reference range and age 350 Calcium reference range and age 352 Magnesium concentration and toxicity 358 Phosphate reference range and age 358

Bilirubin reference range 360
Normal ALP values and age 362
Patterns of LFT abnormalities 362
Normal adult red blood cell values 366
Normal paediatric Hb values 366

Normal adult values 366 Normal adult values 367

Normal paediatric WCC values 367 Normal platelet range 368

Normal ESR values 370

Anti-coagulant and coagulation tests 372 Example of a PICO literature search 391 CONSORT abstract guidelines 393 Patient flow through a study 394

Study type, design and reporting standard 403

Odds ratio table 414

Absolute, relative risk and NNT 414

Phi coefficient 417

Degrees of correlation 420

Correlations according to data type 421 Kappa scores and level of agreement 421 Waiting times in Australian EDs (2013-14) 428

Triage and in hospital mortality 430 Acute inpatient beds by country 441

Potential effects of ED time limited targets 446

Total cost contributions 452

Cost per patient by triage category (2006 estimate) 452

Procedural costs (2006 estimate) 453 Health outcomes by country 454

ACEM recommended minimum FACEM staffing 461

Examination findings in PE 469

Symptoms in PE 469 Simplified Well's score 471

# **List of tables**

Revised Geneva score 471

US and echocardiography for diagnosis of PE 478

Geneva risk stratification system 480 Pericarditis, STEMI and rheumatic fever 492 Coronary artery disease risk factors 495

Clinical predictors of ACS 495

Negative likelihood ratios for ACS 495

ECG test performance for diagnosis of AMI 496 Sgarbossa's criteria and probability of MI 500 Likelihood ratios of AMI in LBB by onset 501 ECG criteria for STEMI in patients with LVH 502 TIMI score and 14 day adverse cardiac event rate 516

Prevalence of ACS in ED patients 517

Risk stratification of ED patients with chest pain 517

Very low risk stratification of chest pain 517

EDACS 518

ACS treatment summary 523

Number needed to treat with reperfusion in STEMI 524
Resolution of ST elevation in STEMI and outcome 525
Risk factors for stroke following thrombolysis 528

Risk of ICH following thrombolysis 528

TNK dose schedule 529

Time to reperfusion and NNT 531
Time to reperfusion and mortality 531

Killip classification of left ventricular failure 531 Forrester Diamond Swan classification 531 Auscultatory accuracy for heart murmurs 537

Manoeuvres and increased murmur intensity 539
Manoeuvres and decreased murmur intensity 539

Severity grading of aortic stenosis 540

Echocardiographic features of aortic regurgitation 542 Mitral valve area and severity of mitral stenosis 543 Classification of severity of mitral regurgitation 545

Severity of tricuspid regurgitation 546 Differentiation of systolic murmurs 551 Differentiation of diastolic murmurs 551 Abdomino-jugular reflex and JVP 573

Positive LRs for CCF 577 Negative LRs for CCF 577

Classification of ejection fraction 577 Ankle brachial pressure index 587

## **VOLUME 2**

Clinical detection of cyanosis 597
Normal PEFR according to height 613

Normal lung volumes for an average sized male 614

Acute asthma severity in adults 617 Likelihood ratios for COPD 629 Likelihood ratios for CAP 642 SMART COP scoring system 646

PSI scoring system 647

CURB - 65 score and outcome 647 Features of a pleural exudate 667

Normal mean liver span values in adults 672 Normal mean liver span in children 672

Features of hepatic bruits 673

Positive LRs for appendicitis in adults 692 Negative LRs for appendicitis in adults 692 MANTRELS/Alvarado appedicitis score 693 Positive LRs for appendicitis in children 694 Negative LRs for appendicitis in children 694

lleus and bowel obstruction 697

Age & height based NGT length calculation 700

Ranson's criteria and mortality 719 Childs - Pugh classification 733 Ascitic fluid analysis for SBP 739

Examination findings of pupillary abnormalities 766

Bulbar and pseudobulbar palsy 776 Indications for head CT 783 Attenuation of cerebral tissues 784 Modified Rankin score 806

ECASS results 808

Features of meningitis in adults 825 CSF findings in meningitis 827 Age adjusted LP insertion depth 830 Cerebral tumour symptoms 841 Cerebral tumour symptoms 842

Normal paediatric coma score and age 863 Normal fasting blood glucose and age 891

Insulin infusion rate by blood glucose in adults 894

Universal / Standard precautions 922 Common respiratory infections 922

Time required for thermal disinfection 929 Effectiveness of disinfecting agents 929

Hep B post exposure management 930 Gentamicin and tobramycin initial dosing 937

Gentamicin and tobramycin initial dosing 93' Normal parameters in children 1000 Causes of limping in children 1002

Features of malignancy in children 1003 Normal CSF values in children 1022 Features of Kawasaki syndrome 1025 Bronchiolitis severity assessment 1028

Croup examination 1030 Westley croup score 1031

Differential diagnosis of stridor (Dis-Ex) 1032

Assessment of dehydration 1036

Composition of oral rehydration solutions 1037 Common causes of abdominal pain in children 1038 Unconjugated and congugated hyperbilirubinaemia 1044

Causes of crying in infants 1046

Features of mania and hypomania 1062

Relative potency of antipsychotic medications 1069

Assessment of miscarriage 1090 Normal BHCG values 1100 Serum urate in pregnancy 1103

Diagnosis of antepartum haemorrhage 1106

Differential diagnosis of HELLP 1110 True labour vs false labour 1111 Pulmonary investigations 1124

CT in pregnancy 1124 Plain radiography 1124 Contrast studies 1124

Nuclear medicine studies 1124

Calculus size and spontaneous passage rate 1133

Narrowing points of the ureter 1133 Complications of dialysis 1164

## **VOLUME 3**

Reversibility of platelet dysfunction by transfusion 1193 Factor VIII levels and severity 1195 Factor replacement doses 1196 Risk factors for venous thrombosis 1200 DVT risk in hospitalised patients 1202 Modified Wells score and DVT risk 1204

Modified Wells score 1204

Heparin infusion rate and APTT 1210 HAS BLED score and bleeding risk 1212

Target INR range 1212 Day 4 Warfarin dose 1213

3 Day Warfarin loading regimen 1214

PCC dose and INR 1215

Differentiation of polycythaemia 1225

Therapeutic ranges for ciclosporin 1245

Indications for pressure immobilisation technique 1271

Types of antivenom 1272

Funnel Web and Redback spider envenomation 1280

Snake envenomation effects 1287

AGE and decompression sickness 1308

Expected rewarming rates by technique 1314

Comparison of cooling methods 1320

Oxygen partial pressure at altitude 1323

Absolute contraindications to flying 1327 Causative organisms of otitis media 1358

Average age at eruption of permanent teeth 1380

Prevalence of visual impairment 1400

Triage sort 1412

Triage sort score and scene triage priority 1412

Volume change and altitude 1420

Oxygen cylinder capacity (Australia) 1421

Oxygen cylinder capacity (NZ) 1421

Annual trauma death rates in Australia 2012 1425

Revised trauma score 1436

Penning's criteria 1472

Vertebral levels of spinal cord segments 1482 Frequency of pelvic fractures by type 1510

Time of suture removal 1561

Upper femoral ossification centres 1607

Clavicular epiphyses 1637 Scapular epiphyses 1639 Humeral epiphyses 1640 Elbow epiphyses 1645

Frequency of route of exposure to poisoning 1659 Cumulative suicide rate following poisoning 1660

Standard drinks 1683 Effects of ethanol 1683

Requirements for breath alcohol analysis 1686

Effects of alcohols on osmolality 1690 Pharmacokinetic properties of NSAIDs 1705

Pharmacokinetic properties of benzodiazepines 1707 Pharmacodynamic properties of antidepressants 1724 Pharmacokinetic properties of antidepressants 1724

Properties of beta blockers 1734

Pharmacokinetics of calcium channel antagonists 1735

Probability of toxicity 1737 Digoxin levels and toxicity 1737 Theophylline toxicity 1745 Chemical warfare agents 1756 Half life of COHb 1772

Iron content 1779