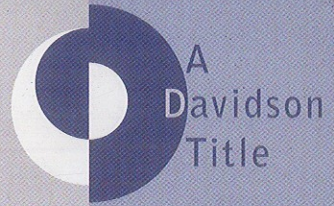
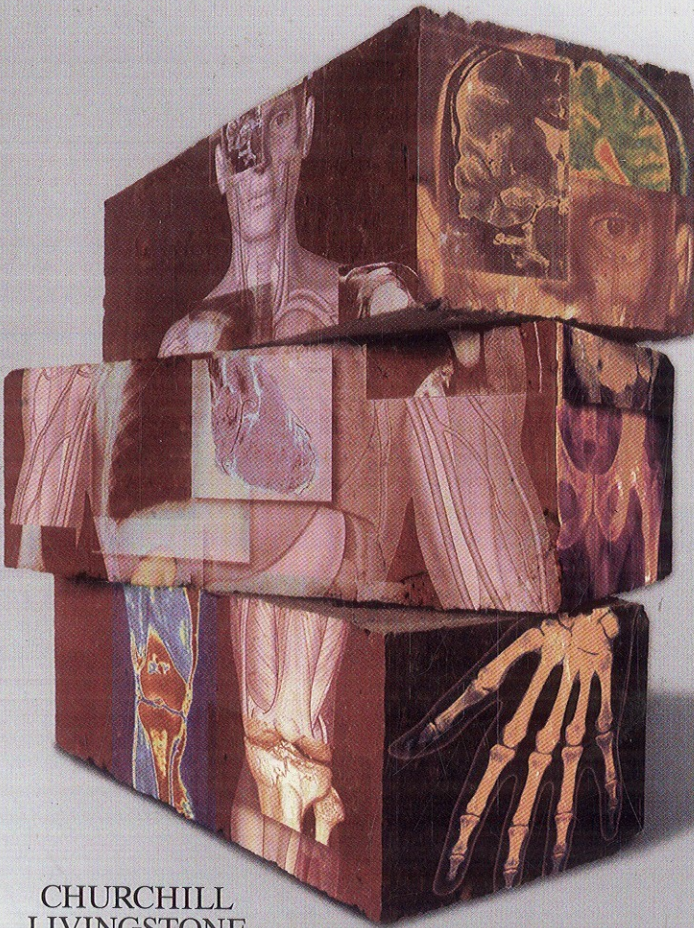


Edited by  
Hazel R Scott  
Kevin G Blyth  
Jeremy B Jones



# Davidson's Foundations of

# Clinical Practice



CHURCHILL  
LIVINGSTONE  
ELSEVIER

# Contents

Preface . . . . .	v
Contributors . . . . .	vi

## **SECTION 1** Basic principles of patient care

<b>1</b> Initial assessment and emergency management . . . . .	1
General history and examination . . . . .	1
Assessment of the acutely ill patient . . . . .	8
Cardiac arrest management . . . . .	11
<b>2</b> Use of equipment and procedures . . . . .	18
Procedural competence . . . . .	18
The sterile field . . . . .	19
Local anaesthetics . . . . .	22
Venepuncture and cannulation . . . . .	25
Blood cultures . . . . .	27
Injections and infusions . . . . .	29
Arterial blood gas sampling . . . . .	31
Arterial line insertion . . . . .	32
Urinary catheterization . . . . .	34
Lumbar puncture . . . . .	37
Pleural aspiration . . . . .	38
Chest drain insertion and management . . . . .	40
Nasogastric tube insertion . . . . .	44
PEG tube re-insertion . . . . .	45
Ascitic tap and drain insertion . . . . .	46
Joint aspiration and injection . . . . .	48
Central line insertion . . . . .	50
Temporary cardiac pacing . . . . .	54
Defibrillation and electrical cardioversion . . . . .	58
Wound closure and dressings . . . . .	61
Suturing . . . . .	63
ECG recording . . . . .	65
Oxygen delivery . . . . .	66
Nebulizers . . . . .	67
Peak flow and spirometry . . . . .	68

<b>3</b>	Interpreting tests . . . . .	70
	Laboratory tests . . . . .	70
	ECG interpretation. . . . .	78
	Peak flow and spirometry . . . . .	89
	Radiological tests . . . . .	90
	Chest X-rays . . . . .	94
	Abdominal X-rays . . . . .	101
<b>4</b>	Drugs and prescribing . . . . .	106
	General prescribing . . . . .	106
	Common prescribing . . . . .	107
	Common interactions . . . . .	111
	Prescribing errors. . . . .	113
	Drug reactions . . . . .	114
	Dose calculation . . . . .	115
	Drug monitoring . . . . .	118
	Drug use in special circumstances . . . . .	119
	Prescribing fluid and blood . . . . .	122

## **SECTION 2** Symptoms and related acute presentations

<b>5</b>	Cardiac and chest . . . . .	125
	Chest pain . . . . .	125
	Arrhythmias . . . . .	132
	Breathlessness . . . . .	139
<b>6</b>	Abdominal. . . . .	159
	Acute abdominal pain . . . . .	159
	Diarrhoea, vomiting and constipation . . . . .	169
	Gastrointestinal bleeding . . . . .	174
	Abnormal liver function . . . . .	178
	Nutrition . . . . .	183
	Haematuria and urinary retention . . . . .	185
<b>7</b>	Endocrine, electrolyte and renal . . . . .	187
	Diabetes mellitus . . . . .	187
	Thyroid and adrenal problems. . . . .	197
	Electrolyte imbalance . . . . .	202
	Renal dysfunction. . . . .	209
<b>8</b>	Neurological and psychiatric. . . . .	216
	The unconscious patient . . . . .	216

Headache . . . . .	218
Fits and faints . . . . .	220
Stroke . . . . .	223
Focal neurology . . . . .	226
Falls and immobility . . . . .	231
Delirium and alcohol withdrawal . . . . .	233
Acute psychosis . . . . .	235
Self-injury and self-poisoning . . . . .	237
<b>9 Sepsis, shock and trauma . . . . .</b>	<b>242</b>
Sepsis and infection . . . . .	242
Fluid balance, shock and anaphylaxis . . . . .	249
Major trauma . . . . .	254
Fractures and minor trauma . . . . .	259
Acute leg pain . . . . .	270
Wounds and burns . . . . .	272
 <b>SECTION 3 Specialties and cancers</b>	
<b>10 Specialty acute presentations . . . . .</b>	<b>276</b>
Haematological . . . . .	276
Rheumatological . . . . .	283
Dermatological . . . . .	292
Ear, nose and throat . . . . .	308
Ophthalmic . . . . .	313
Obstetric . . . . .	318
Gynaecological . . . . .	331
Paediatric . . . . .	335
Surgical lumps . . . . .	343
<b>11 Cancers and palliative care . . . . .</b>	<b>349</b>
Performance status and quality of life . . . . .	349
Lung cancer . . . . .	350
Breast cancer . . . . .	353
Colorectal cancer . . . . .	355
Oesophageal cancer . . . . .	357
Stomach cancer . . . . .	359
Pancreatic cancer . . . . .	360
Ovarian cancer . . . . .	361
Cervical cancer . . . . .	363

Endometrial cancer . . . . .	364
Prostate cancer . . . . .	365
Bladder cancer . . . . .	367
Renal cancer . . . . .	368
Testicular cancer . . . . .	369
Leukaemia . . . . .	370
Lymphoma . . . . .	373
Myeloma . . . . .	375
Palliative care . . . . .	376

## **SECTION 4** Everyday life as a junior doctor

<b>12</b> On the ward . . . . .	383
Time and 'take' management . . . . .	383
Verbal communication . . . . .	385
Written communication . . . . .	389
Before, during and after theatre . . . . .	392
<b>13</b> Legal and ethical practice . . . . .	397
The doctor–patient relationship . . . . .	397
Appropriate resuscitation and DNAR . . . . .	399
Death certification . . . . .	400
Capacity, consent and competence . . . . .	404
Child protection . . . . .	407
Mental health act . . . . .	409
Driving . . . . .	411
Notifiable diseases . . . . .	414
HIV testing . . . . .	414
Computers and data protection . . . . .	416
<b>14</b> Looking after yourself . . . . .	418
Occupational health department and personal health . . . . .	418
Aggression and violence . . . . .	420
Difficult colleagues and colleagues in difficulty . . . . .	422
Complaints handling . . . . .	424
<b>15</b> Developing a career . . . . .	426
Choosing a career . . . . .	426
Applications, CV and interviews . . . . .	428
Appraisal and assessment . . . . .	430



	Research . . . . .	432
	Teaching and life-long learning . . . . .	433
	Making and giving presentations . . . . .	435
<b>16</b>	Working as part of the system of care . . . . .	439
	The good doctor . . . . .	439
	Clinical governance . . . . .	440
	Patient safety and risk management. . . . .	440
	Healthcare-associated infection . . . . .	441
	Audit . . . . .	443
	Evidence-based medicine, statistics and guidelines . . . . .	445
	Diversity, religion, culture and disability . . . . .	448
	Primary and secondary care interface. . . . .	451
	Epidemiology, screening and health promotion . . . . .	452
	Rehabilitation . . . . .	455
	Complementary and alternative therapy . . . . .	456
<b>17</b>	Working in the UK . . . . .	458
	The new post . . . . .	458
	Finance . . . . .	460
	Leave . . . . .	461
	Important professional bodies. . . . .	463
	Index. . . . .	466