

# Contents

Preface, *vii*  
*Robert H. Whitaker*

Foreword, *ix*  
*By Professor Harold Ellis*

Foreword, *xi*  
*By Professor Sir Roy Calne*

About the Author, *xiii*

## SECTION 1: UPPER LIMB, 1

- 1.1 General Anatomy, 2
- 1.2 Shoulder and Arm, 13
- 1.3 Axilla, Brachial Plexus and Nerve Lesions, 31
- 1.4 Elbow and Forearm, 52
- 1.5 Wrist and Hand, 62

## SECTION 2: LOWER LIMB, 81

- 2.1 Nerves, Vessels and Lymphatics, 82
- 2.2 Gluteal Region, Hip and Thigh, 99
- 2.3 Knee and Popliteal Fossa, 116
- 2.4 Lower Leg, 125
- 2.5 Ankle and Foot, 132

## SECTION 3: THORAX, 147

- 3.1 Surface Anatomy and Breast, 148
- 3.2 Mediastinum, Thoracic Inlet, Diaphragm and Lymphatics, 159
- 3.3 Heart and Pericardium, 166
- 3.4 Trachea, Lungs and Oesophagus, 187
- 3.5 Vessels and Nerves, 200
- 3.6 Cross Sections, 207

**SECTION 4: ABDOMEN AND PELVIS, 215**

- 4.1 Surface Anatomy and Hernia, 216
- 4.2 Peritoneum, Vessels and Nerves, 230
- 4.3 General Bowel Anatomy and Foregut, 239
- 4.4 Midgut and Hindgut, 251
- 4.5 Biliary System, Portal System, Pancreas and Spleen, 265
- 4.6 Female and Male Genitourinary and Renal Tracts, 277
- 4.7 Pelvis and Perineum, 298
- 4.8 Referred Pain and Autonomics, 312

**SECTION 5: HEAD AND NECK, 325**

- 5.1 Skull Bones, Air Sinuses and Scalp, 326
- 5.2 Brain, Spine, Spinal Cord and Vessels, 335
- 5.3 Intracranial Haemorrhages, 350
- 5.4 Cranial Nerves in General and Skull Foramina, 354
- 5.5 Cranial Nerves I, V, VII, 364
- 5.6 Cranial Nerves VIII, IX, X, XI, XII, 372
- 5.7 Rules and Nerve Supply of Muscles, 379
- 5.8 Eye Visual Pathways, CN III, IV, VI, Autonomics and Oculomotor Versus Horner's, 385
- 5.9 Eye Lids, Orbit, Lacrimal Gland, Retina and Optic Nerve, 391
- 5.10 Eye Light and Near Reactions, Eye Movements and Pupil Control, 398
- 5.11 Outer, Middle and Inner Ear, 406
- 5.12 Mouth and Mandible, 413
- 5.13 Nose and Face, 424
- 5.14 Neck Fascia, Vessels and General Anatomy, 430
- 5.15 Neck Triangles, Muscles, Thyroid and Parathyroid Glands, 440
- 5.16 Parotid and Submandibular Glands, 448
- 5.17 Larynx and Pharynx, 452
- 5.18 Autonomic Nervous System, in General, Sympathetic and Parasympathetic, 464
- 5.19 Temporal, Infratemporal and Pterygopalatine Fossae, 481
- 5.20 Cavernous Sinus and other Venous Sinuses, 489