A BRIEF ATLAS OF THE SKELETON, SURFACE ANATOMY, AND SELECTED MEDICAL IMAGES

GERARD J. TORTORA

TABLE OF CONTENTS

Part One • Bones of the Skeleton

- 1.1 Complete skeleton
- 1.2 Skull anterior view
- 1.3 Skull right lateral view
- 1.4 Skull medial view of sagittal section
- 1.5 Skull posterior view
- **1.6** Skull superior view
- 1.7 Skull inferior view
- **1.8** Floor of the cranium superior view
- **1.9** Spenoid bone superior view
- 1.10 Sphenoid bone anterior view
- **1.11** Sphenoid bone posterior view
- 1.12 Ethnoid bone medial view of sagittal section
- **1.13** Ethmoid bone superior view
- **1.14** Ethmoid bone right lateral view
- **1.15** Ethmoid bone anterior view
- **1.16** Right Orbit anterior view
- **1.17** Fetal skull
- **1.18** Hyoid bone
- 1.19 Auditory ossicles
- 1.20 Vertebral column right lateral view
- 1.21 Typical thoracic vertebra
- 1.22 Cervical vertebrae
- 1.23 Lumbar vertebrae
- **1.24** Sacrum and coccyx
- 1.25 Skeleton of thorax anterior view
- **1.26** Articulation of thoracic vertebrae with rib
- 1.27 Scapula
- **1.28** Right humerus
- 1.29 Right ulna and radius
- 1.30 Right hand and wrist
- 1.31 Right hip bone
- 1.32 Male and female pelvis
- 1.33 Right femur
- **1.34** Right tibia and fibula
- 1.35 Right ankle and foot

Part Two • Surface Anatomy

- **2.1** Principal regions of the cranium and face
- **2.2** Surface anatomy of the head.
- 2.3 Surface anatomy of the right eye.
- **2.4** Surface anatomy of the right ear.
- 2.5 Surface anatomy of the nose and lips
- **2.6** Surface anatomy of the neck.
- 2.7 Surface anatomy of the back
- **2.8** Surface anatomy of the chest
- **2.9** Surface anatomy of the abdomen and pelvis
- **2.10** Surface anatomy of the shoulder
- **2.11** Surface anatomy of the arm and elbow
- 2.12 Surface anatomy of the forearm and wrist
- 2.13 Surface anatomy of the hand
- **2.14** Surface anatomy of the buttock
- 2.15 Surface anatomy of the thigh and knee
- **2.16** Surface anatomy of the leg, ankle, and foot

Part Three • Medical Images

- 3.1 Thermogram of the male body in anterior view. Different colors represent different temperatures: white (hottest) to red, yellow, green, light blue, dark blue, purple, black (coolest)
- **3.2** Radionuclide scan of entire skeleton in anterior view. Areas of intense color represent high tissue activity.
- 3.3 MRI of female body in frontal section (the head is in sagittal section.
- **3.4** Radiograph of skull and some cervical vertebrae in lateral view.
- **3.5** Radiograph of lumbar vertebrae in anterior view with their associated intervertebral discs.
- **3.6** MRI of knee joint in sagittal section.
- 3.7 CT scan of knee in sagittal section.
- **3.8** Endoscopic view of the inside of the knee showing an articular disc.
- 3.9 MRI of the brain and upper spinal cord in midsagittal section.
- 3.10 Cerebral angiogram of the internal carotid artery and some of its major branches. The radiograph of the skull provides orientation.
- 3.11 MRI of brain in transverse section.
- **3.12** PET scan of the brain in transverse section.
- 3.13 CT Scan of brain in frontal section.
- 3.14 Mylogram of the spinal cord in anterior view
- 3.15 Light micrograph of spinal cord in tranverse section
- 3.16 MRI of the brain and pituitary gland in sagittal section
- **3.17** Radionuclide scan of the thyroid gland in anterior view.

- 3.18 Radiograph of the heart in anterior view.
- 3.19 MRI scan of the heart in frontal section.
- **3.20** Angiogram of coronary blood vessels.
- **3.21** SPECT scan of the myocardium in transverse section.
- **3.22** PET scan of the heart
- **3.23** X-Ray of normal lungs.
- **3.24** Bronchogram of the bronchial tree.
- 3.25 Radionuclide scan of lungs in anterior view.
- **3.26** Radiograph of the stomach and duodenum in anterior view following barium swallow.
- **3.27** Radiograph of the large intestine in anterior view.
- **3.28** Endoscopic view of the lining of the esophagus.
- **3.29** Endoscopic view of the lining of the stomach.
- **3.30** Endoscopic view of the lining of the colon.
- **3.31** Radiograph of the urinary system in anterior view.
- 3.32 MRI of the kidneys in frontal section.
- 3.33 CT scan of the abdomen in transverse section and showing the kidneys in inferior view.
- 3.34 MRI of male pelvis in frontal section.
- **3.35** Laparoscopy of female abdominopelvic cavity.
- 3.36 Mammogram in lateral view.
- 3.37 Sonogram of the uterus and urinary bladder
- **3.38** Ultrasound image of six-month fetus