

Contents

1 General Anatomy	1
1.1 The Body	2
Parts of the Body.....	2
General Terms	2
1.2 The Cell	4
Cytoplasm.....	4
Cell Nucleus	6
Vital Cell Functions.....	6
1.3 Tissues.....	8
Epithelia	8
Connective Tissue and Supporting Tissue.....	10
Muscular Tissue	18
1.4 General Features of the Skeleton ..	20
Classification of Bones.....	20
Periosteum.....	20
Joints between Bones	22
1.5 General Features of the Muscles..	30
Classification of Skeletal Muscles	30
Auxiliary Features of Muscles	32
Investigation of Muscle Function	32
1.6 Anatomical Terms and their Latin Equivalents	34
2 Trunk	35
2.1 Vertebral Column	36
Cervical Vertebrae	36
Thoracic Vertebrae.....	40
Lumbar Vertebrae.....	42
Malformations and Variations of the Presacral Vertebrae	44
Sacrum.....	46
Coccyx	48
Variations in the Sacral Region ...	50
Ossification of the Vertebrae....	52
Intervertebral Disks	54
Ligaments of the Vertebral Column.	56
Joints of the Vertebral Column ..	58
The Vertebral Column, Curvatures and Movements.....	62
2.2 Thoracic Cage.....	64
Ribs.....	64
Sternum.....	66
Joints of the Ribs.....	68
Boundaries of the Thoracic Cage	70
Movements of the Thoracic Cage..	70
2.3 Intrinsic Back Musculature	72
Intrinsic Back Muscles.....	72
Short Nuchal Muscles	76
2.4 Body Wall	78
Thoracolumbar Fascia	78
Extrinsic Anterolateral Muscles ..	78
2.5 Prevertebral and Scalene Muscles..	80
Prevertebral Muscles	80
Scalene Muscles	80
2.6 Muscles of the Thoracic Cage....	82
Intercostal Muscles.....	82
2.7 Abdominal Wall	84
Superficial Abdominal Muscles...	84
Function of the Superficial Abdominal Muscles	90
Fasciae of the Abdominal Wall ...	92
Deep Abdominal Muscles.....	94
Sites of Weakness in the Abdominal Wall	96
2.8 Diaphragm	102
Position and Function of the Diaphragm.....	104
Sites of Diaphragmatic Hernias...	104
2.9 Pelvic Floor.....	106
Pelvic Diaphragm	106
Urogenital Diaphragm.....	106
2.10 Anatomical Terms and their Latin Equivalents	108

3 Upper Limb	109
3.1 Bones, Ligaments, and Joints.....	110
Shoulder Girdle	110
The Free Upper Limb.....	114
3.2 Muscles, Fasciae, and Special Features.....	136
Muscles of the Shoulder Girdle and Arm	136
Function of the Shoulder Girdle Muscles.....	148
Muscles of the Forearm.....	158
3.3 Anatomical Terms and their Latin Equivalents	184
4 Lower Limb	185
4.1 Bones, Ligaments, and Joints.....	186
Pelvis	186
The Free Part of the Lower Limb..	192
4.2 Muscles, Fasciae, and Special Features.....	232
Muscles of the Hip and Thigh	232
Fasciae of the Hip and Thigh	254
4.3 Anatomical Terms and their Latin Equivalents	280
5 Head and Neck	281
5.1 Skull	282
Subdivisions of the Skull.....	282
Ossification of the Skull	282
Special Features of Intramembranous Ossification...	284
Sutures and Synchondroses.....	284
Structures of the Cranial Bones..	286
Calvarium	286
Lateral Aspect of the Skull	288
Posterior Aspect of the Skull	290
Anterior Aspect of the Skull.....	292
Inferior Aspect of the Skull	294
Internal Surface of the Cranial Base	296
Variants of the Internal Surface of the Cranial Base.....	298
Site of Passage of Vessels and Nerves	300
Mandible.....	302
5.2 Muscles and Fasciae.....	318
Muscles of the Head.....	324
Anterior Muscles of the Neck ..	326
Head Muscles Inserted on the Shoulder Girdle	328
Fasciae of the Neck.....	330
5.3 Anatomical Terms and their Latin Equivalents	332

6 Peripheral Nerves and Vessels	333
6.1 Head and Neck	334
Regions	334
Anterior Facial Regions	336
Orbital Region	338
Lateral Facial Regions	340
Infratemporal Fossa	340
Superior View of the Orbit	342
Occipital Region and Posterior Cervical (Nuchal) Region	346
Suboccipital Triangle	346
Lateral Pharyngeal and Retropharyngeal Spaces	348
Submandibular Triangle	350
Retromandibular Fossa	352
Medial Cervical Region	354
Thyroid Region	356
Anterolateral Cervical Regions	358
Scalenovertebral Triangle	366
6.2 Upper Limb	368
Regions	368
Deltpectoral Triangle	370
Axillary Region	372
Axillary Foramina	374
Anterior Brachial Region	376
Posterior Brachial Region	380
Cubital Fossa	382
6.3 Trunk	394
Regions	394
Regions of the Thorax	396
Regions of the Abdomen	398
6.4 Lower Limb	412
Regions	412
Subinguinal Region	414
Saphenous Hiatus	416
Gluteal Region	420
Anterior Femoral Region	422
Posterior Femoral Region	426
Posterior Region of the Knee	428
Popliteal Fossa	430
Anterior Crural Region	432
Posterior Crural Region	434
Medial Retromalleolar Region	436
Dorsum of the Foot	438
Sole of the Feet	440
6.5 Anatomical Terms and their Latin Equivalents	444
For Those Who Want to Learn More	446
Index of Proper Names	447
References	449
Index	459