

## Contents

<b>General Anatomy</b> .....	1		
<b>The Body</b> .....	2	<b>General Features of the Skeleton</b> ...	20
Parts of the Body .....	2	Classification of Bones .....	20
General Terms .....	2	Periosteum .....	20
<b>The Cell</b> .....	4	Joints between Bones .....	22
Cytoplasm .....	4	Continuous Joints between Bones ..	22
Cell Nucleus .....	6	Discontinuous Joints between	
Vital Cell Functions .....	6	Bones .....	24
<b>Tissues</b> .....	8	Types of Discontinuous (Synovial)	
<b>Epithelia</b> .....	8	Joints .....	28
<b>Connective Tissue and Supporting</b>		<b>General Features of the Muscles</b> ....	30
<b>Tissues</b> .....	10	Classification of Skeletal Muscles ..	30
Connective Tissue .....	10	Auxiliary Features of Muscles .....	32
Cartilage .....	12	Investigation of Muscle Function ...	32
Bone .....	14	<b>Anatomical Terms and their Latin</b>	
Development of Bone .....	16	<b>Equivalents</b> .....	34
<b>Muscular Tissue</b> .....	18		
		<b>Systematic Anatomy of the Locomotor System</b> .....	35
		<b>Trunk</b> .....	35
<b>Vertebral Column</b> .....	36	Structure of the Thoracic Cage .....	70
Cervical Vertebrae .....	36	Movements of the Thoracic Cage ...	70
Thoracic Vertebrae .....	40	Intrinsic Muscles of the Back .....	72
Lumbar Vertebrae .....	42	Suboccipital Muscles .....	76
Malformations and Variations of		Body Wall .....	78
the Presacral Vertebral Column ....	44	Thoracolumbar Fascia .....	78
Sacrum .....	46	Extrinsic Ventrolateral Muscles ....	78
Coccyx .....	48	Prevertebral Muscles .....	80
Variations in the Sacral Region ....	50	Scalene Muscles .....	80
Ossification of the Vertebrae .....	52	Muscles of the Thoracic Cage .....	82
Intervertebral Disks .....	54	Intercostal Muscles .....	82
Ligaments of the Vertebral		Abdominal Wall .....	84
Column .....	56	Superficial Abdominal Muscles ....	84
Joints of the Vertebral Column .....	58	Function of the Superficial Abdomi-	
The Vertebral Column as a Whole ..	62	nal Musculature .....	90
<b>Thoracic Cage</b> .....	64	Fascias of Abdominal Wall .....	92
Ribs .....	64	Deep Abdominal Muscles .....	94
Sternum .....	66	Sites of Weakness in the Abdominal	
Joints of the Ribs .....	68	Wall .....	96



Diaphragm .....	102	Pelvic Floor .....	106
Position and Function of the		Pelvic Diaphragm .....	106
Diaphragm .....	104	Urogenital Diaphragm .....	106
Sites of Diaphragmatic Hernias .....	104	<b>Anatomical Terms and their Latin</b>	
		<b>Equivalents .....</b>	<b>108</b>
<b>Upper Limb .....</b>	<b>109</b>		
<b>Bones, Ligaments and Joints .....</b>	<b>110</b>	Trunk Muscles Inserted on the	
Shoulder Girdle .....	110	Shoulder Girdle .....	144
Scapula .....	110	Cranial Muscles Inserted on the	
Ligaments of the Scapula .....	110	Shoulder Girdle .....	146
Clavicle .....	112	Function of the Shoulder Girdle	
Joints of the Shoulder Girdle .....	112	Muscles .....	148
The Free Upper Limb .....	114	Fascias and Spaces in the Shoulder	
Bone of the Arm .....	114	Girdle Region .....	152
Shoulder Joint .....	116	Arm Muscles .....	154
Movements of the Shoulder Joint ..	116	Muscles of the Forearm .....	158
Bones of the Forearm .....	118	Classification of the Muscles .....	158
Elbow Joint .....	120	Ventral Forearm Muscles .....	160
Distal Radio-ulnar Joint .....	122	Radial Forearm Muscles .....	164
Continuous Fibrous Joint between		Dorsal Forearm Muscles .....	166
Radius and Ulna .....	122	Function of Muscles of the Elbow	
Carpus .....	124	Joint and Forearm .....	170
Individual Bones of the Carpus .....	126	Function of Muscles of the Wrist and	
Bones of the Metacarpus and		the Midcarpal Joint .....	172
Digits .....	128	Intrinsic Muscles of the Hand .....	174
Radiocarpal and Midcarpal Joints ..	130	Central muscles of the hand .....	174
Movements in the Radiocarpal and		Thenar Muscles .....	176
Midcarpal Joints .....	132	Palmar Aponeurosis .....	178
Carpometacarpal and Intermeta-		Hypothenar Muscles .....	178
carpal joints .....	134	Fascias and Special Features of the	
Metacarpophalangeal and Digital		Free Upper Limb .....	180
joints .....	134	Fascias .....	180
<b>Muscles, Fascias, and Special</b>		Tendinous Sheaths .....	182
<b>Features .....</b>	<b>136</b>	<b>Anatomical Terms and their Latin</b>	
Muscles of the Shoulder Girdle and		<b>Equivalents .....</b>	<b>184</b>
Arm .....	136		
Classification of the Muscles .....	136	Morphology of the Bony Pelvis .....	188
Shoulder Muscles Inserted on the		The Free Lower Limb .....	192
Humerus .....	138	Femur .....	192
		Patella .....	194
<b>Lower Limb .....</b>	<b>185</b>		
<b>Bones, Ligaments, Joints .....</b>	<b>186</b>		
Pelvis .....	186		
Hip Bone .....	186		
Junctions between the Bones			
of the Pelvis .....	188		



Positions of the Femur .....	196	Adductors of the Thigh .....	240
Hip Joint .....	198	Function of the Hip Muscles and	
Bones of the Leg .....	202	Adductors of Thigh .....	244
Knee Joint .....	206	Anterior Thigh Muscles .....	248
Movements of the Knee Joint .....	212	Posterior Thigh Muscles .....	250
Alignment of the Lower Limb .....	214	Function of the Knee Joint	
Connections between the Tibia		Muscles .....	252
and the Fibula .....	214	Fascias of the Hip and Thigh .....	254
Bones of the Foot .....	216	Long Muscles of the Leg and Foot .....	256
Sesamoid Bones .....	220	Classification of the Muscles .....	256
Joints of the Foot .....	222	Anterior Leg Muscles .....	258
Ligaments of the Joints of the Foot .....	226	Posterior Leg Muscles .....	262
Morphology and Function of the		Function of the Ankle, Subtalar and	
Skeleton of the Foot .....	226	Talocalcaneonavicular Joint	
The Plantar Arch and Its Function .....	228	Muscles .....	266
Foot Types .....	230	Intrinsic Muscles of the Foot .....	268
<b>Muscles, Fascias, and Special</b>		Muscles of the Dorsum of the Foot .....	268
<b>Features</b> .....	232	Muscles of the Sole of the Foot .....	270
Muscles of the Hip and Thigh .....	232	Fascias of the Leg and the Foot .....	276
Classification of the Muscles .....	232	Tendinous Sheaths in the Foot .....	278
Dorsal Hip Muscles .....	234	<b>Anatomical Terms and their Latin</b>	
Ventral Hip Muscles .....	238	<b>Equivalents</b> .....	280
<b>Head and Neck</b> .....	281		
<b>Skull</b> .....	282	Pterygopalatine Fossa .....	306
Subdivision of the Skull .....	282	Nasal Cavity .....	308
Ossification of the Skull .....	282	Cranial Shapes .....	310
Special Features of Intra-		Malformations .....	310
membranous Ossification .....	284	Special Cranial Shapes and	
Sutures and Synchondroses .....	284	Sutures .....	312
Structure of the Cranial Bones .....	286	Accessory Bones of the Skull .....	314
Calvaria .....	286	Temporomandibular Joint .....	316
Lateral View of the Skull .....	288	<b>Muscles and Fascias</b> .....	318
Posterior View of the Skull .....	290	Muscles of the Head .....	318
Anterior View of the Skull .....	292	Mimetic Muscles .....	318
External surface of cranial base .....	294	Muscles of Mastication .....	324
Internal surface of cranial base .....	296	Ventral Muscles of the Neck .....	326
Variants of the Internal Surface of		Infrahyoid Muscles .....	326
cranial base .....	298	Head Muscles Inserted on the	
Sites for Passage for Vessels and		Shoulder Girdle .....	328
Nerves .....	300	Fascias of the Neck .....	330
Mandible .....	302	<b>Anatomical Terms and their Latin</b>	
Shape of Mandible .....	304	<b>Equivalents</b> .....	332
Hyoid Bone .....	304		
Orbital Cavity .....	306		



<b>Topography of Peripheral Nerves and Vessels</b> .....	333
<b>Head and Neck</b> .....	334
Regions .....	334
Anterior Facial Regions .....	336
Orbital Region .....	338
Lateral Facial Regions .....	340
Infratemporal Fossa .....	342
Superior View of the Orbit .....	344
Occipital Region and Posterior Cervical (Nuchal) Region .....	346
Suboccipital Triangle .....	346
Lateral Pharyngeal and Retro-pharyngeal Spaces .....	348
Submandibular Triangle .....	350
Retromandibular Fossa .....	352
Middle Region of the Neck .....	354
Thyroid Region .....	356
Ventrolateral Cervical Regions .....	358
Scalenovertebral Triangle .....	366
<b>Upper Limb</b> .....	368
Regions .....	368
Deltpectoral Triangle .....	370
Axillary Region .....	372
Axillary Spaces .....	374
Anterior Region of Arm .....	376
Posterior Region of Arm .....	380
Cubital Fossa .....	382
Anterior of forearm Region .....	386
Anterior Region of wrist .....	388
Palm of Hand .....	388
Dorsum of the Hand .....	392
Radial Fovea, "Anatomical Snuff Box" .....	392
<b>Trunk</b> .....	394
Regions .....	394
Regions of the Thorax .....	396
Anterior Thorax Regions .....	396
Posterior Thorax Regions .....	396
Regions of the Abdomen .....	398
Inguinal Region .....	400
Lumbar Region .....	404
Perineal Region of the Female .....	406
Perineal Region of the Male .....	408
<b>Lower Limb</b> .....	412
Regions .....	412
Subinguinal Region .....	414
Saphenous Opening .....	416
Gluteal Region .....	418
Anterior Region of the Thigh .....	422
Posterior Region of the Thigh .....	426
Posterior Region of the Knee .....	428
Popliteal Fossa .....	430
Anterior Region of the Leg .....	432
Posterior Region of the Leg .....	434
Medial Retromalleolar Region .....	436
Dorsum of the Foot .....	438
Sole of the Foot .....	440
<b>Anatomical Terms and their Latin Equivalents</b> .....	444
<b>For those who want to learn more</b> .....	445
<b>Index of Proper Names</b> .....	446
<b>References</b> .....	449
<b>Index</b> .....	457