

CONTENTS

PART ONE. GENERAL ANATOMY

CHAPTER 1

INTRODUCTION	3
--------------------	---

Ronan O'Rahilly

CHAPTER 2

SKELETON	12
----------------	----

Ernest Gardner

CHAPTER 3

JOINTS	24
--------------	----

Ernest Gardner

CHAPTER 4

MUSCULAR SYSTEM	33
-----------------------	----

Ernest Gardner

CHAPTER 5

NERVOUS SYSTEM	44
----------------------	----

Ernest Gardner

CHAPTER 6

BLOOD VESSELS, LYMPHATIC SYSTEM	59
---------------------------------------	----

Donald J. Gray

BLOOD VESSELS	59
LYMPHATIC SYSTEM	64
CHAPTER 7	
VISCERA	68
<i>Donald J. Gray</i>	
CHAPTER 8	
SKIN, HAIR, AND NAILS	72
<i>Ronan O'Rahilly</i>	
CHAPTER 9	
DEVELOPMENT AND GROWTH	82
<i>Donald J. Gray</i>	
CHAPTER 10	
RADIOLOGICAL ANATOMY	93
<i>Ronan O'Rahilly</i>	
GENERAL ASPECTS	93
SKELETAL RADIOLOGY	97
PART TWO. THE UPPER LIMB	
<i>Ernest Gardner, Donald J. Gray, Ronan O'Rahilly</i>	
INTRODUCTION	107
CHAPTER 11	
BONES OF UPPER LIMB	109
CHAPTER 12	
VEINS AND LYMPHATIC DRAINAGE	132
CHAPTER 13	
THE BREAST	136

CHAPTER 14	
SHOULDER AND AXILLA	139
CHAPTER 15	
ARM AND ELBOW	160
CHAPTER 16	
THE FOREARM	170
CHAPTER 17	
THE HAND	181
CHAPTER 18	
SURFACE ANATOMY OF UPPER LIMB	202
CHAPTER 19	
SUMMARY OF BLOOD AND NERVE SUPPLY	205
 PART THREE. THE LOWER LIMB	
<i>Ernest Gardner, Donald J. Gray, Ronan O'Rahilly</i>	
INTRODUCTION	225
CHAPTER 20	
BONES OF LOWER LIMB	226
CHAPTER 21	
VEINS AND LYMPHATIC DRAINAGE	255
VEINS	255
LYMPHATIC DRAINAGE	258
CHAPTER 22	
GLUTEAL REGION	260

CHAPTER 23	
THIGH AND KNEE	266
CHAPTER 24	
THE LEG	288
CHAPTER 25	
FOOT AND ANKLE	299
CHAPTER 26	
POSTURE AND LOCOMOTION	317
CHAPTER 27	
SURFACE ANATOMY OF LOWER LIMB	321
CHAPTER 28	
SUMMARY OF BLOOD AND NERVE SUPPLY	324
 PART FOUR. THE THORAX	
	<i>Ernest Gardner, Donald J. Gray, Ronan O'Rahilly</i>
CHAPTER 29	
INTRODUCTION	343
CHAPTER 30	
SKELETON OF THORAX	345
CHAPTER 31	
THORACIC WALL	353
CHAPTER 32	
ESOPHAGUS, TRACHEA, BRONCHI	368
THORACIC PART OF ESOPHAGUS	368
TRACHEA	371
MAIN BRONCHI	372

CHAPTER 33

PLEURA AND LUNGS	374
PLEURA	374
LUNGS	380

CHAPTER 34

HEART AND PERICARDIUM	396
PERICARDIUM	396
HEART	398

CHAPTER 35

BLOOD VESSELS OF THORAX	422
-------------------------------	-----

CHAPTER 36

LYMPHATIC DRAINAGE OF THORAX	428
------------------------------------	-----

CHAPTER 37

NERVES OF THORAX	432
------------------------	-----

CHAPTER 38

SURFACE ANATOMY, PHYSICAL EXAMINATION	439
SURFACE ANATOMY	439
PHYSICAL EXAMINATION	442

CHAPTER 39

RADIOLOGICAL ANATOMY OF THORAX	445
--------------------------------------	-----

PART FIVE. THE ABDOMEN

Ernest Gardner

CHAPTER 40

INTRODUCTION	455
--------------------	-----

CHAPTER 41

ANTEROLATERAL ABDOMINAL WALL	459
------------------------------------	-----

CHAPTER 42

ABDOMINAL VISCERA AND PERITONEUM	474
ABDOMINAL VISCERA	474
PERITONEUM	476

CHAPTER 43

ESOPHAGUS, STOMACH, INTESTINES	487
ABDOMINAL PART OF ESOPHAGUS	487
STOMACH	488
INTESTINES	495

CHAPTER 44

LIVER, BILE PASSAGES, PANCREAS	508
LIVER	508
BILE PASSAGES	513
PANCREAS	517

CHAPTER 45

THE SPLEEN	520
------------------	-----

CHAPTER 46

KIDNEYS, URETERS, SUPRARENAL GLANDS	522
KIDNEYS	522
URETERS	529
SUPRARENAL GLANDS	530

CHAPTER 47

BLOOD VESSELS OF ABDOMEN	533
--------------------------------	-----

CHAPTER 48

LYMPHATIC DRAINAGE OF ABDOMEN	543
-------------------------------------	-----

CHAPTER 49

NERVES OF ABDOMEN	545
-------------------------	-----

CHAPTER 50

POSTERIOR ABDOMINAL WALL	552
--------------------------------	-----

CHAPTER 51	
SURFACE ANATOMY, PHYSICAL EXAMINATION	555
SURFACE ANATOMY	555
PHYSICAL EXAMINATION	557
CHAPTER 52	
RADIOLOGICAL ANATOMY OF ABDOMEN	559
PART SIX. THE PELVIS	
<i>Donald J. Gray</i>	
CHAPTER 53	
BONY PELVIS	566
CHAPTER 54	
JOINTS OF PELVIS	573
CHAPTER 55	
WALLS OF PELVIS	576
CHAPTER 56	
BLOOD VESSELS, NERVES, AND LYMPHATIC DRAINAGE	579
BLOOD VESSELS	579
NERVES	584
LYMPHATIC DRAINAGE	587
CHAPTER 57	
URINARY BLADDER, URETER, AND URETHRA	590
URINARY BLADDER	590
URETER	594
URETHRA	595
CHAPTER 58	
MALE GENITAL ORGANS	598
CHAPTER 59	
FEMALE GENITAL ORGANS	608

CHAPTER 60	
RECTUM AND ANAL CANAL	623
RECTUM	623
ANAL CANAL	625
CHAPTER 61	
PELVIC DIAPHRAGM, PELVIC FASCIA	630
PELVIC DIAPHRAGM	630
PELVIC FASCIA	632
CHAPTER 62	
PERINEAL REGION AND EXTERNAL GENITAL ORGANS	633
PERINEAL REGION	633
EXTERNAL GENITAL ORGANS	640
PART SEVEN. THE BACK	
<i>Ernest Gardner, Donald J. Gray</i>	
INTRODUCTION	649
CHAPTER 63	
VERTEBRAL COLUMN	650
CHAPTER 64	
MUSCLES, VESSELS, NERVES, JOINTS	669
MUSCLES OF BACK	669
BLOOD VESSELS AND LYMPHATIC DRAINAGE OF BACK	674
NERVES OF BACK	676
JOINTS OF BACK	678
CHAPTER 65	
SPINAL CORD AND MENINGES	686
SPINAL CORD	686
MENINGES	691
CHAPTER 66	
SURFACE ANATOMY OF BACK	693

PART EIGHT. HEAD AND NECK

Ronan O'Rahilly

INTRODUCTION	697
CHAPTER 67	
SKULL AND HYOID BONE	698
SKULL	698
HYOID BONE	731
CHAPTER 68	
BRAIN AND CRANIAL NERVES	733
BRAIN	733
CRANIAL NERVES	756
CHAPTER 69	
MENINGES AND BLOOD SUPPLY OF BRAIN	760
MENINGES	760
BLOOD SUPPLY OF BRAIN	766
CHAPTER 70	
THE EAR	778
CHAPTER 71	
THE ORBIT	794
CHAPTER 72	
THE EYE	812
CHAPTER 73	
SCALP, AURICLE, AND FACE	826
SCALP	826
AURICLE	828
FACE	828
CHAPTER 74	
PAROTID, TEMPORAL, AND INFRATEMPORAL REGIONS	836

CHAPTER 75	
SUBMANDIBULAR REGION	854
CHAPTER 76	
SUPERFICIAL STRUCTURES OF NECK	860
CHAPTER 77	
DEEP STRUCTURES OF NECK	868
CHAPTER 78	
MOUTH, TONGUE, AND TEETH	903
ORAL CAVITY	903
TONGUE	908
TEETH	913
CHAPTER 79	
NOSE AND PARANASAL SINUSES	924
NOSE	924
PARANASAL SINUSES	932
CHAPTER 80	
THE PHARYNX	937
CHAPTER 81	
THE LARYNX	948
GLOSSARY OF EPONYMOUS TERMS	965
INDEX	971