

# Index

- 'A' ring 59
- abdomen 48, 52–6, 72–4
  - blood vessels 22–4, 68–70
  - fetus 102
- abdominal wall defect 102
- acetabulum 116
- acini
  - breast 104
  - lung 4, 6
- acromion 30
- adenoids 166
- aditus ad antrum 154
- adrenal gland *see* suprarenal gland
- airways 4
- alveolar epithelium 2
- ampulla of Vater 60
- amygdala 139
- anal canal 50, 64
  - fistulae 64
  - imaging 64
- angiography 20
  - CT pulmonary angiography (CTPA) 2
  - digital subtraction angiography 20, 66
- angioplasty, superficial femoral artery 20
- ankle 44
  - imaging 44
- annulus fibrosus 176
- aorta 4, 20, 22, 56, 68, 70, 88, 178
  - branches 10
  - pulmonary window 10
- aortic arch 16
- aortic root 14
- aponeurosis
  - bicipital 32
  - epicranial 124
- apophysis 118
- appendices epiploicae 62
- appendicolith 62
- aqueduct of Sylvius 136
- arachnoid 130
- areae gastricae 58
- arteria pancreatica magna 66
- arteria radicularis magna 185
- arteries
  - arcuate 82
  - auricular, posterior 168
  - axillary 22
    - puncture 20
  - azygos 146
  - basilar 142, 146, 151, 152
  - brachial 22, 32
    - puncture 20
  - brachiocephalic 16
  - bronchial 8
  - carotid 133, 170
    - common 10, 16, 142, 170
    - external 168
    - internal 128, 142, 144, 148, 153, 168, 170
  - cavernous 133
- cerebellar
  - anterior inferior 150, 158
  - posterior inferior 142, 150
  - superior 142, 150
- cerebral
  - anterior 144, 146, 153
  - middle 112, 144, 146, 153
  - posterior 132, 142, 146, 150, 153
- choroidal
  - anterior 139, 144
  - posterior 143
- colic
  - left 62, 70
  - middle 62, 68, 70
  - right 68
- communicating
  - anterior 143, 146
  - posterior 144, 146, 151
- coronary 16
- costocervical 179
- cremasteric 94
- cystic 68

## 187 Index

- descending
  - left anterior (LAD) 16
  - posterior 16
- epigastric
  - inferior 24, 90
  - superior 54
- epiploic, left 66
- facial 168
- femoral 20
  - angioplasty 20
  - common 90
  - lateral circumflex 38
  - medial 38
  - puncture 20
  - superficial 24, 90
- gastric
  - left 56, 59, 66
  - right 59, 68
  - short 59
- gastroduodenal (GDA) 68, 74
- gastroepiploic
  - left 59, 66
  - right 59
- genicular, descending 24
- gluteal
  - inferior 91
  - superior 24, 36
- hepatic 66–8, 72, 74
  - common 66
  - left 68
  - middle 68
  - right 66, 68
- iliac
  - common 22, 80, 92
  - external 24, 90
  - internal 24, 64, 71, 91, 96, 97
- innominate 10
- intercostal, posterior 2
- interosseus, common 22
- jejunal 68
- labyrinthine 157, 158
- lacrimal 152
- lenticulostriate 139
- lingual 168
- lobular 7
- mammary 55
  - internal 104
- marginal
  - of Drummond 62, 71
  - of Dwight 70
- maxillary 132, 164, 168, 170
- meningeal
  - accessory 132
  - middle 127, 132, 146, 152, 170
- mesenteric
  - inferior 48, 70
  - superior (SMA) 48, 52, 60, 68, 70
- nutrient artery of the femur 38
- obturator 90
- occipital 168, 179
- of Adamkiewicz 184
- of Heubner 138, 144
- ophthalmic 133, 144, 153
- ovarian 97
- pancreatic
  - dorsal 66, 68
  - transverse 66, 68
- pancreatico-duodenal
  - inferior 68
  - superior 68
- pericallosal 142
- pharyngeal, ascending 168, 179
- phrenic, inferior 86
- popliteal 24, 42
  - puncture 20
- profunda brachi 22
- puddendal, internal 24, 90, 91, 94
- pulmonary
  - left 6, 8, 16, 18
  - right 8, 18
- radial 22
  - catheterization 20
- radicular 184
- rectal
  - inferior 70
  - middle 70, 90
  - superior 22, 64, 70
- renal 80, 82
  - right 82
- retroduodenal 68
- scapular, dorsal 22
- sciatic 90
- spinal 184
  - anterior 184
  - posterior 184
- splenic 66
- subclavian 2, 20, 22
  - left 10

## 188 Index

- arteries (*cont.*)  
 subclavian (*cont.*)  
 right 10, 20, 56, 58  
 subscapular 22  
 suprarenal 86  
 inferior 87  
 middle 87  
 superior 86  
 suprascapular 22  
 temporal  
 deep 170  
 superficial 130, 168, 170  
 testicular 94  
 thalamic perforating 151  
 thalamostriate 146  
 thoracic  
 internal 2, 55  
 lateral 104  
 thyrocervical 179  
 thyroid  
 inferior 22, 56, 169  
 superior 169  
 tibial, anterior 24  
 trigeminal 142, 146  
 ulnar 22  
 umbilical 24, 90  
 uterine 24, 96  
 vertebral 133, 142, 150, 161, 168, 179, 181,  
 184  
 vesical  
 inferior 92  
 superior 92  
*see also* aorta  
 arthrography 16  
 aryepiglottic fold 166  
 arytenoid cartilage 166  
 atlanto-occipital joint 180  
 atlas 160, 179, 180  
 atrioventricular groove 16  
 atrium 12  
 left 14  
 auricular appendage 14  
 right 14  
 auditory canal  
 external 129  
 internal 128, 152, 156  
 auditory meatus  
 external 154  
 internal 152, 156  
 axis 179, 180  
 dens 160, 180  
 azygo-oesophageal line 12  
 azygo-oesophageal recess 10  
 azygos lobe 4  
 'B' ring 58  
 Baker's cyst 40  
 barium enema 64  
 barium swallow examination 56, 58  
 basisphenoid synchondroses 128  
 biceps 30  
 bile 72  
 bile ducts  
 common 71, 74  
 intrahepatic 72  
 bladder 52, 80, 92  
 paediatric 116  
 blood vessels  
 abdomen 22–4  
 chest 16  
 chest wall 2–4  
 coronary 16  
 intracranial 142–6, 150  
 limbs 22, 24  
 mediastinal 10  
 pelvis 22–4  
 pulmonary 6, 8  
 spinal cord 184  
*see also* arteries; veins  
 Boehler's angle 44  
 bone maturation 116  
 bone scans 34  
 bowel  
 atresia 50  
 stenosis 50  
*see also* colon; intestine  
 brain 122, 132–42  
 basal ganglia 138  
 cerebral hemispheres 138–40  
 development 132  
 diencephalon 136  
 imaging methods 122  
 limbic system 140  
 medulla 134  
 midbrain 136  
 motor pathways 138  
 paediatric 134  
 pons 134

Cambridge University Press

052152153X - MCQ Companion to Applied Radiological Anatomy

Arockia Doss, Matthew J. Bull, Alan Sprigg and Paul D. Griffiths

Index

[More information](#)**189 Index**

- ventricles 140–2
- brainstem 134
- breast 104–8
  - blood supply 104
  - imaging 108
  - lymphatic drainage 104
- bregma 124
- bronchial buds 2
- bronchioles 4, 6
  - terminal 4
- bronchography 2
- bronchopulmonary segments 4
- bronchovascular bundle 6
- bronchus
  - left main 4
  - right main 4
- bursa
  - gastrocnemius 40
  - semimembranosus 40
  - subacromial 30
  - subscapularis 30
  - suprapatellar 34, 42
- caecum, undescended 50
- calcaneum 45
- canaliculi
  - inferior 151
  - superior 150
- capitate 32, 35
- capitulum 32
- capsule, internal 134, 136, 138
- carpal bones 32, 34
- carpal joint 32
  - mid 32
- carpal tunnel 33
- carpus 32
- Cauldwell view 162
- cavum septum pellucidum 140
- cavum vergae 140
- centrum semiovale 139
- cerebellar hemispheres, fetal 100
- cerebellopontine angle 134, 152, 158
- cerebral hemispheres 138–40
- cerebrospinal fluid (CSF) 142, 174
- cervix 96
- Chamberlain's line 180
- Chilaiditi syndrome 64
- children *see* paediatric anatomy
- circle of Willis 142, 144
- variants 146
- cistern
  - ambient 136, 142
  - basal 140, 142
  - callosal 143
  - cerebellopontine angle 158
  - chiasmatic 142
  - interpeduncular 142
  - pontine 142
  - quadrigeminal 112, 136, 140, 142
  - subarachnoid 142
  - suprasellar 136, 142, 144
  - velum interpositum 141
- cisterna chyli 26, 88
- cisterna magna 142
- claustrum 138
- clavicle 30
- cleft lip 100
- clivus 128
- cloacal membrane 48
- cochlea 154, 156
- coeliac axis 48, 58, 60, 66
  - branches 66
- colon 62
  - ascending 49, 50, 62
  - descending 50, 62
  - fetal 102
  - sigmoid 62
  - transverse 49, 51, 62
  - see also* bowel; intestine
- commissure
  - anterior 136
  - habenular 130, 136
- compartmental syndrome 42
- computed tomography (CT)
  - brain 122
  - CT arterio-portography (CTAP) 70–2
  - CT pulmonary angiography (CTPA) 2
  - ear 152
  - high resolution CT (HRCT) 2, 6, 152
  - liver 70–2
  - lung 2, 6, 8
  - lymph nodes 86
  - oesophagus 10
  - orbit 150
  - pelvis 38, 90
  - pharynx 166
  - shoulder 30
  - skull 140

## 190 Index

- computed tomography (CT) (*cont.*)  
   spine 174  
   spiral CT 2  
   thymus 12  
 congenital diaphragmatic hernia 2  
 conus medullaris 182  
 corona radiata 138  
 coronary dominance 16  
 corpus callosum 138, 140  
 corpus striatum 139  
 corticobulbar fibres 139  
 corticospinal fibres 138  
 cranial nerves *see* nerves  
 craniovertebral junction 180  
 cranium, paediatric 112  
   *see also* skull  
 cricoid cartilage 166  
 crista falciformis 156  
 crista supraventricularis 14  
 crista terminalis 14  
 cystoscopy 116  
  
 dacryocystography 150  
 defaecating proctography 64  
 deglutition 56  
 diaphragm 86, 88  
   fetus 103  
   oesophageal hiatus 56  
   paediatric 112  
   pelvic 90  
   urogenital 90, 92  
 diaphragma sellae 132  
 diaphragmatic crus 12  
 diaphysis 118  
   radius 102  
   ulna 102  
 diencephalon 136  
 digital subtraction angiography 20, 66  
 Dolan's three lines 162  
 dorsal tectum 136  
 dorsum sellae 126  
 ductogram 108  
 ducts  
   bile  
     common 71, 74  
     intrahepatic 72  
   breast 106  
     acinar 104  
     terminal duct lobular unit (TDLU) 104, 106  
   cystic 49, 74  
   mesonephric 80  
   metanephric 80  
   pancreatic  
     accessory, of Santorini 48, 49  
     of Wirsung 49  
     ventral 48  
   parotid 160  
   Stenson's 164  
   thoracic 4, 10, 26, 89  
   ductules, lactiferous 104  
   duodenojejunal junction 60  
   duodenum 50, 60, 62  
     *see also* intestine  
   dura 130, 184  
     innervation 132  
   dura mater 130  
     spinal 184  
   dural sac, spinal 184  
  
 ear 154–6  
   development 154  
   imaging methods 152  
   inner 154, 156  
   middle 154–6  
 elbow 32  
 endometrium 97  
 endosteum 124  
 epididymis 94  
 epiglottis 166  
 epiphysis 118  
   femur 102  
   humerus 102  
 epitympanic recess 155  
 epitympanum 155  
 ethmoid bone 125  
   cribriform plate 126  
 Eustachian tube 156  
 eye 152  
   imaging methods 150  
  
 fabella 40  
 facet joints 178, 182  
 fallopian tubes 52, 96, 98  
   ampulla 98  
   infundibulum 98

## 191 Index

- patency 98
- false cerebri 137
- falx 130, 132
- fascia
  - cervical
    - deep 166
    - superficial 166
  - conal, lateral 84
  - Denonvillier's 93
  - Gerota's 82–4
  - pharyngobasilar 166
  - superficial 54
  - superficial perineal 54
- femur 38, 40
  - epiphysis 102
  - femoral condyle
    - lateral 40, 42
    - medial 40, 42
  - femoral head
    - avascular necrosis 38
    - blood supply 38
    - neonatal 116
  - fetus 102
- Ferguson's view 37
- fetus 100–2
  - brain 132
  - femur 40
  - gut development 48–50
  - measurements 100, 102
  - sacrum 36
- fibroglandular tissue, breast 104, 106, 108
- filum terminale 184
- fissures
  - interhemispheric 144, 146
  - lung 6–8
    - accessory 8
    - azygos 8
    - major 8
    - minor 8
    - oblique 6, 8
- orbital
  - inferior 150, 152
  - superior 152
  - parieto-occipital 140
  - pterygomaxillary 162
  - Rolandic 138
  - Sylvian 112, 140, 144
- flocculus 158
- fontanelle
  - anterior 112, 124
  - posterior 113, 124, 160
- foot 44
  - imaging 44
- foramen
  - arcuate 180
  - caecum 162
  - epiploic (of Winslow) 50
  - jugular 128, 132, 137
  - lacerum 128
  - magnum 136, 148, 178
  - mandibular 162
  - mental 160
  - obturator 34
  - of Luschka 142
  - of Magendie 134
  - of Vesalius 128
  - ovale 12, 126, 162
  - parietal 130
  - rotundum 126, 162
  - sciatic
    - greater 37, 90
    - lesser 24, 34, 90
  - secundum 12
  - sphenopalatine 162, 164
  - spinosum 126, 171
  - stylomastoid 128
- forceps major 138
- forceps minor 139
- fossa
  - brain 122
    - middle 122
    - posterior 122
  - cranial
    - anterior 126, 170
    - middle 128, 171
    - posterior 128
  - infratemporal 126, 162, 170
  - ischiorectal 90
  - mandibular 128, 165
  - of Rosenmuller 166
  - piriform 166
  - pituitary 126
  - pterygoid 127
  - pterygopalatine 126, 162
  - rhomboid 30
- fovea capitis 38

## 192 Index

- Frog's lateral view 39  
 frontal bone 125, 126, 150
- galea aponeurotica 124  
 gall bladder 49, 60, 68, 72, 74  
 ganglia  
   basal 130, 138  
   facial 146  
   geniculate 158  
   pterygopalatine 171  
   trigeminal 146, 149  
 gastro-oesophageal reflux, neonates 112  
 gastrointestinal tract  
   blood vessels 70  
   development 48–50  
   foregut 54  
   vascular imaging 66  
   *see also* bowel; colon; intestine; stomach  
 genital tract  
   female 96–8  
   male 94  
 glandular tissue, accessory 106  
 glenoid, labrum 30  
 globus pallidus 138  
 glomeruli 80  
 glottis 166  
 grey matter 122  
 gullet 56–8  
 gyrus  
   cingulate 140  
   intra-limbic 140  
   limbic 140  
   parahippocampal 140  
   subcallosal 140
- habenula 137  
 hamate 35  
 hand 34  
 Harris' ring 180  
 head 136, 160, 162  
   *see also* brain; skull  
 heart 14–16  
   development 12  
   fetal 100  
 hepatic diverticulum 48  
 hiatus  
   aortic 12, 16  
   IVC 12  
   oesophageal 12  
   semilunar 164  
 high resolution computed tomography (HRCT) 2, 6, 152  
 Hill-Sachs lesion 31  
 hip joint 38, 118  
   neonatal 116  
 hippocampus 132, 140  
 humerus 30, 32  
   epiphysis 102  
 hyoid bone 160  
 hypothalamus 137, 151  
 hypotympanum 155
- ileum 48, 62  
 iliac crest 34  
 incus 154  
 inferior vena cava (IVC) 24, 60, 86, 88  
   congenital absence 4, 24  
   hiatus 12  
   left-sided 24  
 infundibulum  
   fallopian tubes 98  
   pituitary gland 138  
 Inion 160  
 internuclear cleft 176  
 intervertebral groove 16  
 intervertebral disc 176, 179  
 intestine  
   large 62–4  
   small 62  
   fetus 102  
   *see also* bowel; colon; gastrointestinal tract
- jejunum 62  
 junctional line  
   anterior 12  
   posterior 12
- kidney 80–2  
   congenital absence 80  
   cortex 82  
   duplex 80, 116  
   ectopic 116  
   fetal lobulation 84  
   horseshoe 81, 84, 116  
   medulla 82  
   paediatric 112, 116  
   medullary pyramids 116  
   pancake 84

## 193 Index

- pelvic 84
- renal duplication 84
- knee joint 34, 40–2
- kyphosis 175
  
- labrum 119
- labyrinth
  - bony 152, 154, 156
  - membranous 156
- Ladd's band 50
- Lambda 124, 160
- lamina cribosa 156
- lamina terminalis 136, 142
- larynx 161, 166
- ligaments
  - annular 32
  - apical 180
  - arcuate
    - lateral 88
    - median 66, 89
  - broad 52, 86, 96
  - calcaneofibular 44
  - collateral 32
    - lateral 40, 44
    - medial 40
  - coronary, right 54
  - costo-clavicular 30
  - cruciate
    - anterior 40, 42
    - posterior (PCL) 42
  - cruciform 181
  - deltoid 44
  - denticulate 184
  - falciform 50, 54
  - fibular 45
  - gastro-splenic 54
  - glenohumeral 30
  - hepatoduodenal 54
  - humeral, transverse 30
  - iliofemoral 38
  - inguinal 36, 54
  - interclinoid 130
  - ischio-femoral 39
  - longitudinal
    - anterior 176, 184
    - posterior 174, 176
  - menisco-femoral 42
  - of Humphrey 43
  - of Struthers 32
  - of Treitz 60
  - of Wrisberg 43
  - phrenicocolic 53, 54
  - pulmonary, inferior 8
  - round 96
  - sacroiliac 36
  - sacrospinous 34, 91
  - sacrotuberous 34, 91
  - splenorenal 54
  - stylohyoid 129
  - supraspinous 176
  - talofibular, anterior 45
  - tibial 45
  - tibiofibular 44
  - transverse 180
  - umbilical, medial 91, 92
- ligamentum arteriosum 10, 17
- ligamentum flavum 176
- ligamentum venosum 54
- ligamentum teres 38
- limbic system 140
- linea alba 54
- lipiodol 24
- Lisfranc injury 45
- Little's area 164
- liver 48, 72
  - bare area 54
  - paediatric 114
  - tumours 72
- lordosis 174
- lower limb 40, 42–4
  - blood vessels 24
- lunate 32, 35
- lung
  - airways 4
  - blood supply 6, 8
  - development 2
  - fetal 102
  - fissures 6–8
    - accessory 8
  - imaging 2
  - paediatric 114
  - secondary pulmonary lobule 6
- lymph nodes 86, 104
  - axillary 108
  - coeliac 60
  - deep cervical 57
  - gastroduodenal 61
  - hepatic 86

## 194 Index

- lymph nodes (*cont.*)
  - iliac
    - external 96
    - internal 64, 86, 96
  - intramammary 106, 108
  - mediastinal 56
  - pancreatico-duodenal 61
  - pre-aortic 86
- lymphatic system 24–6, 86–7
- lymphography 86
  
- McGregor line 181
- magnetic resonance
  - cholangiopancreatography (MRCP) 72
- magnetic resonance imaging (MRI)
  - anal canal 64
  - bladder 92
  - brain 122, 132, 134
  - breast 108
  - ear 156
  - female genital tract 96
  - kidney 82
  - lung 2
  - oesophagus 10
  - orbit 150
  - pelvis 38, 90
  - pharynx 166
  - prostate gland 94
  - skeletal imaging 34, 38
  - stomach 58
  - testis 94
  - thymus 12
- malleus 154
- mammary gland 104
- mammography 106
- mandible 162
  - coronoid process 160
- mandibular canal 162
- mastoid 154
- maxillary bones 150
- Meckel's cave 126, 148
- Meckel's diverticulum 50, 51, 62
- medulla 134
- meninges 130, 132
  - blood supply 132
  - innervation 132
  - spinal 184
- meniscus
  - discoid 42
  - lateral 42
  - medial 42
- mental symphysis 162
- mesentery
  - ascending colon 50
  - descending colon 50
  - dorsal 48
  - small bowel 52, 62
- mesocolon
  - sigmoid 52
  - transverse 50, 51, 52
- mesotympanum 154, 155
- metacarpals 34
- metanephros 80
- metatarsals 44
- micturating cystography 117
- midbrain 136
- moderator band 14
- Morrison's pouch 50
- muscles
  - adductor hiatus 40
  - adductor longus 40
  - adductor magnus 40
  - anal sphincter 90
  - biceps 30
  - biceps femoris 40
  - coccygeus 90
  - digastric 164
  - flexor carpi-radialis 32
  - flexor carpi-ulnaris 33
  - flexor retinaculum 32
  - gastrocnemius 40
  - gemelli 36
  - gluteus maximus 36
  - gracilis 40
  - iliopsoas 36
  - levator ani 90
  - masseter 160
  - musculus submucosa ani 64
  - oblique
    - external 36, 55
    - internal 54
  - obturator internus 36
  - papillary 16
  - pectoralis major 22, 104
  - pectoralis minor 172
  - perineal, superficial 90
  - piriformis 36
  - psoas 54, 88

## 195 Index

- left 52, 60
- pterygoid
  - lateral 162
  - medial 162
- pyloric 114
- quadriceps femoris 41
- rectus 54
- rectus abdomini 54
- rectus femoris 34, 40, 41
- sartorius 35, 40, 41
- scalenus anterior 172
- scalenus medius 172
- semitendinosus 40
- Sternocleidomastoid 160
- subscapularis 30
- tensor fascia lata 40, 41
- teres major 22, 30
- myelination 134
- myometrium 97
  
- nasal cavity 164
- nasal mucosa 164
- nasion 160
- neck 160, 162
  - fascial layers 166
- neonates *see* paediatric anatomy
- nerves
  - alveolar, inferior 160, 162
  - cranial 132, 136, 152
    - abducent 134, 148
    - facial 128, 134, 156, 158
    - glossopharyngeal 134
    - hypoglossal 134
    - oculomotor 150
    - optic 150, 152
    - spinal accessory 134, 136
    - trigeminal 127, 132, 134, 152
    - vagus 56, 134
    - vestibulocochlear 156, 158
  - cutaneous, of the thigh 62
  - femoral 20, 90
  - genitofemoral 94
  - intermediate 159
  - laryngeal, left recurrent 10, 56
  - mandibular 162
  - maxillary 148
  - median, compression of 32
  - obturator 90
  - petrosal, greater superficial 158
  - puddental 90
  - sciatic 90
  - spinal 182
- neural arch 174, 180
- neural tube 132
- neurocentral joints 180
- neurovascular bundle 2
- nipple, accessory 106
- nose 164
- nucleus
  - caudate 138
  - dentate 130
  - lentiform 136, 138
  - pulposus 176
- occipital bone 124, 128
- oesophagogastric junction 58
- oesophagus 10, 16, 56–8, 88, 160
  - air in 10
  - hiatus 56
  - paediatric 114
  - stricture 58
- omentum
  - greater 50, 52, 59
  - lesser 54, 59
- optic canal 150, 152
- optic chiasm 152
- orbit 150–2
  - imaging methods 150
- organ of Corti 156
- os radiale 34
- ostiomeatal complex 164
- ovarian follicles 96
- ovaries 96
  
- pacchionian depression 130
- paediatric anatomy 112–18
  - brain 134
  - chest 114
  - cranium 112
  - gastrointestinal tract 114
  - hip 116
  - renal tract 116
  - skeletal 116–18
  - spine 176
  - suprarenal glands 114
  - urogenital system 116
- palatoglossal fold 166
- palatopharyngeal fold 166

## 196 Index

- pampiniform plexus 94  
 pancreas 48, 60, 74  
   annular 49  
   blood supply 68  
   paediatric 114  
 pancreatic ducts  
   accessory, of Santorini 48, 49  
   of Wirsung 49  
   ventral 48  
 papilloma, skin 106  
 parathyroid gland 168  
 parietal bone 126  
 parotid gland 164, 166  
 patella 40  
   bipartite 40  
 peduncle  
   cerebellar  
     middle 134  
     superior 135, 142  
   cerebral 136  
 pelvi-ureteric junction 84  
 pelvic floor 90  
 pelvimetry 38  
 pelvis 34–8, 90–8  
   blood vessels 22–4  
   imaging 36, 38  
   nerves 90  
 periosteum 124, 184  
 perisutural sclerosis 124  
 peritoneum 50  
   ligaments 54  
   pelvic 42  
   spaces 50–2  
 pharyngeal tumours 166  
 pharynx 160, 166  
 Phrygian cap 74  
 pia mater 130, 184  
 pineal gland 130, 137  
 pisiform 35  
 pituitary gland 122, 136–8  
 placenta 102  
 pleura 6, 56  
   parietal 6  
   visceral 6  
 plexus  
   brachial 22, 166, 172  
   choroid 112, 122, 130, 141  
     calcification 140  
   venous  
     external 178  
     internal 178  
 plica circulares 60, 62  
 Poland's syndrome 106  
 polythelia 106  
 pons 134  
 pontomedullary junction 134  
 porta hepatis 54  
 pouch of Douglas 52  
 properitoneal fat line 56  
 prostate 92–4  
   central zone 94  
   peripheral zone 92, 94  
   transition zone 94  
 prostate gland 92–4  
 pterion 124, 126  
 pterygoid canal 128  
 pulmonary hypoplasia 2  
 putamen 138  
 pylorus 114  
  
 radial groove 22, 32  
 radiocarpal joint 32  
 radiography  
   abdomen 54, 56  
   chest 6, 8, 12, 14, 56  
     neonate 114  
   lower limb 42, 44  
   pelvis 34, 36, 92  
   renal tract 80  
   skull 122, 128, 130, 140  
   spine 180–2  
   upper limb 32  
 radioulnar joint 32  
 radius 32  
   diaphysis 102  
 rectum 52, 64  
 rectus sheath 54  
 renal agenesis 116  
 renal duplication 84  
 renal tract 80  
   paediatric 116  
 rotator cuff muscles 30, 32  
  
 sacral plexus 90  
 sacroiliac joint 36  
 sacrum 36, 182

**197 Index**

- salivary glands 164
- scaphoid 34
  - fractures 34
- Schatzki ring 58
- sebaceous gland, calcification of 106
- Seldinger technique 20
- semi-circular canals 156
- seminal vesicles 92, 94
- septa
  - interatrial 14
  - interlobular 6
  - interventricular 14, 16
  - nasal 164
- septum pellucidum 100, 140
- septum primum 13
- septum secundum 12, 13
- sesamoid bones 40
- Shenton's line 36
- shoulder joint 30–2
  - dislocation 30
  - imaging 30
- sinuses
  - basilar 178
  - cavernous 132, 148, 152, 170
  - coronary 14, 16, 24
  - dural venous 148
  - ethmoid
    - anterior 164
    - middle 164
  - frontal 164
  - intercavernous 148
  - maxillary 164
  - occipital 148, 178
  - of Morgagni 166
  - of Valsalva 16
  - paranasal 164
  - petrosal, inferior 148
  - sagittal
    - inferior 136, 142
    - superior 137, 146
  - sigmoid 148
  - sinus tarsi 44
  - sphenobregmatic 128
  - sphenoid 152, 164
  - sphenoparietal 148
  - transverse 146, 148
    - absent 136
  - urogenital 80
  - venous 148
- siphon, carotid 144
- skull 122, 124–30
  - imaging methods 122
  - vascular markings 128, 130
  - vault 124, 128, 130
- space
  - buccinator 168
  - diploic 128
  - intercostal 2, 4
  - mediastinal 10
  - paraglottic 166
  - parapharyngeal 166–8
  - pararenal
    - anterior 82
    - posterior 84
  - parotid 168
  - peritoneal 50–2
    - hepatorenal 50
    - inframesocolic 52
    - lesser sac 50, 54
    - paracolic gutters 50, 52
    - subphrenic 50, 52
  - pre-epiglottic 166
  - pretracheal 10
  - rectocrural 89
  - subarachnoid 142, 144, 184
  - subdural 130
- spermatic cord 94
- sphenoid bone 125, 126
  - clinoid process
    - anterior 126
    - posterior 126
  - greater wing 126, 150, 152, 164
  - lesser wing 126, 150, 152, 162, 164
- spina bifida 180
- spinal cord 114, 182
  - blood supply 184
- spine 174–84
  - paediatric 112–14
    - see also* vertebra; vertebral column
- spleen 48, 74
  - paediatric 114
  - splenic diverticulum 74
  - splenunculi 114
- stapes 154
- stomach 58
  - cardiac orifice 56

## 198 Index

- stomach (*cont.*)  
   imaging 58  
   *see also* gastrointestinal tract  
 Stork's view 37  
 stripe  
   intercostal 6  
   paratracheal, right 10  
   paravertebral 12  
   perivesical fat 92  
 submandibular gland 164, 166  
 subtalar joint 45  
 sulcus  
   basilar 134  
   central 138  
   paraglenoid 36  
 superior vena cava (SVC) 18  
   left 10  
 suprarenal gland 84–6  
   neonatal 112  
   paediatric 114  
 sutures, skull 124, 130  
   coronal 126  
   lambdoid 160  
   metopic 127  
   sagittal 127, 160  
  
 taenia coli 62  
 tarsal coalition 44  
 tectorial membrane 180  
 tectum, dorsal 136  
 tegmen tympanum 155  
 temporal bone 125, 126, 128, 152  
   styloid process 128  
 temporomandibular joint (TMJ) 164  
 tendons  
   Achilles 44  
   flexor digitorum longus 44  
   flexor hallucis longus 44  
   gemelli 36  
   gracilis 42  
   obturator internus 36  
   popliteus 40  
   quadriceps 40  
   sartorius 42  
   supraspinatus 30  
     impingement 30  
     tears 30  
   tibialis anterior 44  
   tibialis posterior 44, 45  
  
 tentorium 130, 132  
 testis 94  
   mediastinum 94  
   undescended 116  
 thalamus 136, 146, 151  
 thymus 12  
   paediatric 114  
 thyroid cartilage 166  
 thyroid gland 162, 168  
 tibia 40  
 tongue 162  
 tonsils 166  
   palatine 166  
   tonsillar descent 182  
 trachea 114, 161  
 tracheo-oesophageal fistula (TOF) 2  
 tracheobronchial groove 2  
 trans-rectal ultrasound (TRUS) 94  
 trapezium 35  
 trapezoid 35  
 triquetral 32, 35  
 triradiate cartilage 34  
 trochanteric anastomosis 24  
 trunk, pulmonary 14, 18  
 tunica albuginea 95  
 tympanic membrane 154  
  
 ulna 32  
   diaphysis 102  
 ultrasound  
   breast 108  
   carotid arteries 170  
   fetus 100–2  
   gall bladder 74  
   kidney 82  
   liver 72  
   paediatric 112–14  
     cranial 112  
     gastrointestinal tract 114  
     hip 116  
   pancreas 74  
   shoulder joint 30  
   spleen 74  
   stomach 58  
   tendons 44  
   testis 94  
   thyroid gland 168  
   trans-rectal (TRUS) 94  
   urethra 92

## 199 Index

- uterus 96
- upper limb 32
  - arteries 22
- ureterocele 84
- ureters 22, 52, 80, 84, 92
  - renal ectopia and 116
- urethra 80, 90
  - female 116
  - male 92, 117
- urinary tract 84
  - development 80
- uterus 96
  - bicornis bicollis variant 98
- vagina 64, 96
  - vestibule 80
- valve
  - Eustachian 14
  - mitral 14–16
  - pulmonary 14
  - urethral, posterior 116
- vas deferens 94
- veins
  - auricular, posterior 171
  - azygos 4, 18, 56, 57, 76
  - basivertebral 178, 179
  - brachiocephalic
    - left 4, 10, 18, 57
    - right 18
  - bronchial 8
  - cardiac
    - anterior 16
    - great 16
    - middle 16
    - small 16
  - cerebral
    - great 136, 148
    - internal 140, 149
    - middle 148
  - cervical, deep 178
  - coronary 16
  - cortical 146
  - cubital, median 32
  - diploic 124
  - emissary 124, 128
  - epiploic 70
  - facial 170
  - gastric, left 57, 70, 76
  - hemiazzygos 4
    - accessory 4
  - hepatic 72, 74, 76
  - iliac, common 24, 86
  - inferior anastomotic vein of Labbe 149
  - intercostal 4
    - left superior 12
    - posterior 4
    - right superior 4
  - jugular 149
    - external 170
    - internal 170
  - lobular 6
  - lumbar
    - ascending 4, 87
    - segmental 86
  - mammary, internal 18
  - meningeal, middle 127
  - mesenteric 76
    - inferior 70
    - superior 70
  - occipital 170, 178
  - of Galen 142
  - ophthalmic 170
    - inferior 148
    - superior 148
  - ovarian 76
  - pancreatico-duodenal, superior 70
  - popliteal 24, 42
  - portal 61, 70, 74, 76
    - hepatic 70
    - left 70, 102
    - right 70
  - pulmonary 14, 18
    - inferior 6
    - superior 18
  - rectal 64, 76
  - renal 82
    - left 76, 82, 86, 87
    - right 86
  - retromandibular 170
  - sarcocardinal, left 24
  - splenic 70, 76
  - subcardinal, right 24
  - subclavian 10, 171
  - superior anastomotic vein of Trolard 148
  - suprarenal
    - left 87
    - right 86
  - Sylvian 148

## 200 Index

- veins (*cont.*)
  - testicular 94
  - thoracic, internal 10
  - umbilical 102
    - right 50
  - upper lobe 6, 8
  - ventricular, left posterior 16
  - vitelline, right 24
  - see also* inferior vena cava (IVC); superior vena cava (SVC)
- velum interpositum 140
- venous angle 148
- venous lacunae 124
- ventricles, brain 140
  - fetal 100
  - fourth 134, 142
  - lateral 100, 112, 140
  - neonatal 112
  - third 100
- ventricles, heart 12
  - left 14
  - right 14
- vertebra 174, 176, 178–80
  - articular processes 175, 178
  - cervical 160, 176
  - fetal 100
  - lumbar 176, 182
  - ossification centres 178
  - paediatric 114
  - pedicles 174
  - transverse processes 174
  - see also* atlas; axis
- vertebral column 174, 178
  - ligaments 176
- verumontanum 92
- vesicoureteric reflux, neonates 112
- videofluoroscopy 57
- vidian canal 128
- vocal cords 166
- Von Rosen's view 38
  
- Water's view 162
- white matter 122, 132, 138
- window
  - oval 154
  - round 155
- wormian bones 130
- wrist 32–4
  
- zygoma 150
- zygomatic bone 150