口诀版

人体解剖彩色图谱

COLOUR ATLAS OF HUMAN ANATOMY

第二版

刘执玉　田　铧　主编



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口诀版

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主　编　刘执玉　田　铧

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北　京

内 容 简 介

本图谱大部分标本是按教育部规划教材内容要求，经精心设计、加工制作的新鲜标本拍摄集成，标本制作精良，图像清晰，直观性强，便于记忆。本图谱在第一版的基础上进行了精选，并补充了很多新的标本图片。图谱共收录图片519幅，并按人体各器官系统进行编排。为帮助读者更好地学习记忆，第二版特增设大量口诀。图谱名词以全国自然科学名词审定委员会公布的《人体解剖学名词》为准，中英文对照。本图谱适合各个层次医学生学习解剖学之用，也可供解剖学教师、临床各科医生参考。

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第二版前言

应科学出版社医学出版中心的邀请，经过反复修改和精心设计的《人体解剖彩色图谱》（第二版）终于与读者见面了。本着认真负责的态度，我们进一步明确图谱定位，整体优化，博采众长，在保证真实性和准确性的基础上，与时俱进，突出先进性、特色性、实用性。使得本书在第一版的基础上精益求精，更具有学术权威性、临床指导性和实用性。

经过六年的教学实践证明，第一版《人体解剖彩色图谱》在全国各大医学院校广泛应用，得到了广大老师和同学的一致好评，其中包括台湾和香港的部分大学的读者，都来信给予了很高的评价。读者一致认为，本图谱标本选取精确，制作精良，图文并茂，科学性和实用性都很强。加之中英文对照，本图谱不仅能满足本科学生的学习要求，更适合长学制学生、研究生和国外留学生等群体应用。

本图谱是以第一版《人体解剖彩色图谱》为基础，力求删繁就简、重点突出，努力体现更新、更深、更精美的总体思路。在保证原有标本清晰直观的基础上，结合解剖学发展的新成果，增加了很多新的标本和图片，使得图像更有立体感和层次性。不仅能帮助读者更好地学习记忆，更能启发学生的空间想象力，加强学生对人体的整体把握性。使得学生将书本的知识和标本更好地联系起来，在头脑中形成扎实的影像，这对将来进入临床工作大有裨益，不仅能达到学以致用的目的，而且能更好地实现以人为本和教育强国的远大目标。

本图谱在编著及修改过程中得到山东大学展涛校长，山东大学副校长、医学院院长张运院士，山东大学教务处长王仁卿教授等领导的重视和支持，得到医学界钟世镇院士、李瑞祥教授、曾志成教授等广大同仁的鼎力相助，在此一并感谢。

虽然竭尽努力，但不当之处在所难免，恳请同道和读者不吝赐教，使得本图谱水平不断提高并日臻完善。

刘执玉

2008年4月于济南

第一版前言

2000年初，应科学出版社医学出版中心邀请，着手编著《人体解剖彩色图谱》的工作。原本认为山东有数所医学院校，各校都有很多人体解剖学现成标本，因此标本收集工作不是太难的问题。编著工作开始后，才知我们过去保存的标本，真正可用于图谱的寥寥无几。

多数标本达不到进入图谱的“精”、“深”度，不具备解剖学教学的系统性、完整性要求。为了达到出版的要求，不得不投入大量的人力物力，重新设计和制作新鲜标本。这是一项浩大的工程，尽管经过酷暑、严寒及节假日的突击加工，还是一再拖延了计划出版时间，这的确是一项极不轻松的工作。在此向参加这项工作并做出卓越贡献的志士同仁表示衷心的感谢，也对科学出版社给予的理解和支持表示真诚的谢意，并对此书的延期出版表示歉意！

本图谱大部分标本是按教育部规划教材内容要求，以精心设计、加工制作的新鲜标本拍照集成，拍照要求的条件高，工作难度大，费时长，这是不言而喻的事实。然而应该说，经志士同仁的积极努力，绝大部分标本制作精良。为使图像清晰，直观性强，便于记忆，有些神经、血管、淋巴管加了颜色，使图像立体感和层次感更强。

本图谱共收图523幅，按运动系统、内脏总论、消化系统、呼吸系统、泌尿生殖系统、心血管系统、淋巴系统、感觉器官、内分泌系统、神经系统和局部解剖学顺序编排。本书包括系统解剖学和局部解剖学两部分内容。但系统解剖学中的有关血管、神经部分可在局部解剖学部分中查阅。本图谱特别适合各个层次医学生学习解剖学之用，亦可供解剖学教师、临床各科医生参考。本图谱解剖学名词以全国自然科学名词审定委员会1991年公布的《人体解剖学名词》为准，中英文对照。

本图谱编著过程中承蒙山东大学于修平校长等校领导的重视和支持，受到高培福教授、张圣明教授、盛振文、王力一同志以及南京苏艺生物保存实验模型厂刘健仁经理等的积极支持，在此表示感谢。

由于我们水平有限，图谱难免存在许多缺点，错误也在所难免，恳请广大读者和同道给予指正。

刘执玉

2002年6月于济南

目　录 CONTENTS

第1章　运动系统——骨　LOCOMOTOR SYSTEM —— BONE

图 1　全身骨骼前面观　The skeleton (anterior aspect) …… 2
图 2　骨的分类　Kinds of the bone …… 3
图 3　骨的构造　Structure of the bone …… 3
图 4　脊柱　The vertebral column …… 4
图 5　寰椎(上面观)　The atlas (superior aspect) …… 5
图 6　枢椎(后面观)　The axis (posterior aspect) …… 5
图 7　颈椎(上面观)　The cervical vertebra (superior aspect) …… 5
图 8　隆椎(右侧面观)　The vertebra prominens (right aspect) …… 5
图 9　胸椎(上面观)　The thoracic vertebra (superior aspect) …… 6
图 10　胸椎(外侧面观)　The thoracic vertebra (lateral aspect) …… 6
图 11　腰椎(上面观)　The lumbar vertebra (superior aspect) …… 6
图 12　腰椎(外侧面观)　The lumbar vertebra (lateral aspect) …… 6
图 13　骶骨(前面观)　The sacrum (anterior aspect) …… 7
图 14　骶骨(后面观)　The sacrum (posterior aspect) …… 7
图 15　骶骨(外侧面观)　The sacrum (lateral aspect) …… 8
图 16　尾骨(前面观)　The coccyx (anterior aspect) …… 8
图 17　尾骨(后面观)　The coccyx (posterior aspect) …… 8
图 18　肋　The ribs …… 9
图 19　胸骨　The sternum …… 10
图 20　颅(前面观)　The skull (anterior aspect) …… 11
图 21　颅(外侧面观)　The skull (lateral aspect) …… 12
图 22　颅底内面　The internal surface of base of the skull …… 13
图 23　颅底外面观　The external surface of base of the skull …… 14
图 24　新生儿颅　Skull of the infant …… 15
图 25　眶(前面观)　The orbit (anterior aspect) …… 15
图 26　骨性鼻中隔　Bony septum of the nose …… 16
图 27　骨性鼻腔外侧壁　Lateral wall of the bony nasal cavity …… 16
图 28　颅的X线图像(正面观)　Radiograph of the skull (anterior aspect) …… 17
图 29　颅的X线图像(侧面观)　Radiograph of the skull (lateral aspect) …… 17
图 30　下颌骨(外侧面观)　The mandible (lateral aspect) …… 18
图 31　下颌骨(后面观)　The mandible (posterior aspect) …… 18
图 32　下颌骨(内侧面观)　The mandible (medial aspect) …… 19
图 33　上颌骨(外侧面观)　The maxilla (lateral aspect) …… 19
图 34　上颌骨(内侧面观)　The maxilla (medial aspect) …… 20

图 35 蝶骨(前面观) The sphenoid bone (anterior aspect) ····· 20
图 36 蝶骨(上面观) The sphenoid bone (superior aspect) ····· 21
图 37 蝶骨(后面观) The sphenoid bone (posterior aspect) ····· 21
图 38 颞骨(外面观) The temporal bone (external aspect) ····· 22
图 39 颞骨(内面观) The temporal bone (internal aspect) ····· 22
图 40 颞骨(下面观) The temporal bone (inferior aspect) ····· 23
图 41 筛骨(上面观) The ethmoid bone (superior aspect) ····· 23
图 42 筛骨(后面观) The ethmoid bone (posterior aspect) ····· 24
图 43 额骨(前面观) The frontal bone (anterior aspect) ····· 24
图 44 额骨(内面观) The frontal bone (internal aspect) ····· 25
图 45 枕骨(外面观) The occipital bone (external aspect) ····· 25
图 46 枕骨(内面观) The occipital bone (internal aspect) ····· 26
图 47 下鼻甲(内侧面观) The inferior nasal concha (internal aspect) ····· 26
图 48 泪骨(前面观) The lacrimal bone (anterior aspect) ····· 26
图 49 腭骨(内侧面观) The palatine bone (medial aspect) ····· 27
图 50 腭骨(后面观) The palatine bone (posterior aspect) ····· 27
图 51 舌骨(上面观) The hyoid bone (superior aspect) ····· 27
图 52 颧骨(外侧面观) The zygomatic bone (lateral aspect) ····· 27
图 53 锁骨(上面观) The clavicle (superior aspect) ····· 28
图 54 锁骨(下面观) The clavicle (inferior aspect) ····· 28
图 55 肩胛骨(前面观) The scapula (anterior aspect) ····· 29
图 56 肩胛骨(后面观) The scapula (posterior aspect) ····· 29
图 57 肩胛骨(外侧面观) The scapula (lateral aspect) ····· 29
图 58 肱骨(前面观) The humerus (anterior aspect) ····· 30
图 59 肱骨(后面观) The humerus (posterior aspect) ····· 30
图 60 肩X线图像(正位) Radiograph of the shoulder (anterior aspect) ····· 30
图 61 桡骨和尺骨(前面观) The radius and ulna (anterior aspect) ····· 31
图 62 桡骨和尺骨(后面观) The radius and ulna (posterior aspect) ····· 31
图 63 手骨(掌侧面) Bones of the hand (palmar aspect) ····· 32
图 64 手骨(背侧面) Bones of the hand (dorsal aspect) ····· 32
图 65 上半身体表标志(前面观) Surface markings of the human (anterior aspect) ····· 33
图 66 上半身体表标志(后面观) Surface markings of the human (posterior aspect) ····· 33
图 67 髋骨(外面观) The hip bone (external aspect) ····· 34
图 68 髋骨(内面观) The hip bone (internal aspect) ····· 35
图 69 儿童髋骨(内面观) Hip bone of the child (internal aspect) ····· 36
图 70 髌骨 The patella ····· 36
图 71 股骨(前面观) The femur (anterior aspect) ····· 37
图 72 股骨(后面观) The femur (posterior aspect) ····· 37
图 73 胫骨和腓骨(前面观) The tibia and fibula (anterior aspect) ····· 38

图 74 胫骨和腓骨(后面观) The tibia and fibula (posterior aspect) …… 38
图 75 足骨(上面观) Bones of the foot (superior aspect) …… 39
图 76 足骨(下面观) Bones of the foot (inferior aspect) …… 39

第 2 章 运动系统——关节 LOCOMOTOR SYSTEM —— JOINT

图 77 椎骨间的连结(前面观) The intervertebral joints (anterior aspect) …… 41
图 78 椎骨间的连结(后面观) The intervertebral joints (posterior aspect) …… 41
图 79 椎骨间的连结(外侧面观) The intervertebral joints (lateral aspect) …… 42
图 80 椎骨间的连结(矢状面) The intervertebral joints (sagittal plane) …… 42
图 81 椎间盘(下面观) The intervertebral disc (inferior aspect) …… 43
图 82 颞下颌关节(外侧面观) The temporomandibular joint (lateral aspect) …… 43
图 83 胸锁关节(前面观) The sternoclavicular joint (anterior aspect) …… 44
图 84 胸廓(前面观) The thorax (anterior aspect) …… 44
图 85 胸廓(后面观) The thorax (posterior aspect) …… 45
图 86 颈椎X线图像(正位) Radiograph of the cervical vertebrae (anterior aspect) …… 45
图 87 颈椎X线图像(侧位) Radiograph of the cervical vertebrae (lateral aspect) …… 46
图 88 腰椎X线图像(正位) Radiograph of the lumbar vertebrae (anterior aspect) …… 46
图 89 腰椎X线图像(侧位) Radiograph of the lumbar vertebrae (lateral aspect) …… 47
图 90 腰椎MRI图像(侧位) MRI of the lumbar vertebrae (lateral aspect) …… 47
图 91 肩关节(前面观) The shoulder joint (anterior aspect) …… 48
图 92 肩关节(冠状切面) The shoulder joint (coronal section) …… 48
图 93 肩关节(内面观) The shoulder joint (medial aspect) …… 49
图 94 肘关节(前面观) The elbow joint (anterior aspect) …… 49
图 95 肘关节(后面观) The elbow joint (posterior aspect) …… 50
图 96 肘关节(侧面观) The elbow joint (lateral aspect) …… 50
图 97 肘关节X线图像(正位) Radiograph of the elbow joint (anterior aspect) …… 51
图 98 肘关节X线图像(侧位) Radiograph of the elbow joint (lateral aspect) …… 51
图 99 手关节(前面观) Joints of the hand (anterior aspect) …… 52
图 100 手关节(背面观) Joints of the hand (dorsal aspect) …… 52
图 101 手关节(冠状切面) Joints of the hand (coronal section) …… 52
图 102 手关节(矢状切面) Joints of the hand (sagittal section) …… 52
图 103 手关节X线图像(正位) Radiograph of the hand joint (anterior aspect) …… 53
图 104 手关节X线图像(正位) Radiograph of the hand joint (anterior aspect) …… 53
图 105 手关节X线图像(侧位) Radiograph of the hand joint (lateral aspect) …… 53
图 106 骨盆的连结(上面观) Articulations of the pelvis (superior aspect) …… 54
图 107 骨盆的连结(前面观) Articulations of the pelvis (anterior aspect) …… 54
图 108 骨盆的连结(后面观) Articulations of the pelvis (posterior aspect) …… 54
图 109 骨盆(女性) The pelvis (female) …… 55
图 110 骨盆(男性) The pelvis (male) …… 55

图 111 髋关节(前面观) The hip joint (anterior aspect) …… 56
图 112 髋关节(后面观) The hip joint (posterior aspect) …… 56
图 113 髋关节(打开关节腔) The hip joint (opened cavity) …… 57
图 114 骨盆X线图像(正位) Radiograph of the pelvis (anterior aspect) …… 57
图 115 膝关节(前面观) The knee joint (anterior aspect) …… 58
图 116 膝关节(后面观) The knee joint (posterior aspect) …… 58
图 117 膝关节(打开关节腔) The knee joint (opened cavity) …… 59
图 118 膝关节(前面观,打开关节腔) The knee joint (anterior aspect, opened cavity) …… 59
图 119 膝关节(打开关节腔) The knee joint (opened cavity) …… 60
图 120 膝关节(上面观) The knee joint (superior aspect) …… 60
图 121 膝关节(矢状切面) The knee joint (sagittal section) …… 61
图 122 右膝关节屈曲位体表标志(内侧面)
Surface markings of the right knee (medial aspect) …… 61
图 123 膝关节MRI (1) MRI of the knee joint (1) …… 62
图 124 膝关节MRI (2) MRI of the knee joint (2) …… 62
图 125 膝关节X线图像(正位) Radiograph of the knee joint (anterior aspect) …… 63
图 126 膝关节X线图像(侧位) Radiograph of the knee joint (lateral aspect) …… 63
图 127 足关节(矢状切面) Joints of the foot (sagittal section) …… 64
图 128 足的连结(冠状切面) Articulations of the foot (coronal section) …… 64
图 129 足的连结(上面观) Articulations of the foot (superior aspect) …… 65
图 130 足的连结(内侧面观) Articulations of the foot (medial aspect) …… 65
图 131 足的连结(外侧面观) Articulations of the foot (lateral aspect) …… 65
图 132 足关节X线图像(正位) Radiograph of the foot joint (anterior aspect) …… 66
图 133 足关节X线图像(侧位) Radiograph of the foot joint (lateral aspect) …… 66

第 3 章 运动系统——肌 LOCOMOTOR SYSTEM — MUSCLE

图 134 全身体表及肌肉(前面观)
Surface anatomy and muscles of the body (anterior aspect) …… 68
图 135 全身体表及肌肉(后面观)
Surface anatomy and muscles of the body (posterior aspect) …… 69
图 136 肌的形态 Forms of the muscles …… 70
图 137 躯干肌体表标志(侧面观)
Surface markings of the muscles of the trunk (lateral aspect) …… 71
图 138 躯干肌体表标志(后面观)
Surface markings of the muscles of the trunk (posterior aspect) …… 71
图 139 背部肌 Muscles of the back …… 72
图 140 背部肌 Muscles of the back …… 73
图 141 胸腰筋膜 Thoracolumbar fascia …… 74
图 142 腹前外侧壁肌层 Muscular layer of the anterolateral abdominal wall …… 74

图 143 躯干肌 Muscles of the trunk …… 74
图 144 胸肌(前面观) Muscles of the thorax (anterior aspect) …… 75
图 145 肋间肌 The intercostales …… 75
图 146 膈(上面观) The diaphragm (superior aspect) …… 76
图 147 膈(下面观) The diaphragm (inferior aspect) …… 76
图 148 面部表情肌 Muscles of the facial expression …… 77
图 149 颈肌(前面观1) Muscles of the neck (anterior aspect 1) …… 77
图 150 颈肌(前面观2) Muscles of the neck (anterior aspect 2) …… 77
图 151 头部的肌 Muscles of the head …… 78
图 152 翼肌 The pterygoid …… 78
图 153 颈阔肌 The platysma …… 79
图 154 颈肌(侧面观) Muscles of the neck (lateral aspect) …… 80
图 155 肩及臂部的肌肉(前面观 1)
Muscles of the shoulder and arm (anterior aspect 1) …… 81
图 156 肩及臂部的肌肉(前面观 2)
Muscles of the shoulder and arm (anterior aspect 2) …… 81
图 157 肩及臂部的肌肉(后面观 1)
Muscles of the shoulder and arm (posterior aspect 1) …… 82
图 158 肩及臂部的肌肉(后面观 2)
Muscles of the shoulder and arm (posterior aspect 2) …… 82
图 159 前臂肌(前面观1) Muscles of the forearm (anterior aspect 1) …… 83
图 160 前臂肌(前面观2) Muscles of the forearm (anterior aspect 2) …… 83
图 161 前臂肌(前面观3) Muscles of the forearm (anterior aspect 3) …… 84
图 162 前臂肌(后面观1) Muscles of the forearm (posterior aspect 1) …… 84
图 163 前臂肌(后面观2) Muscles of the forearm (posterior aspect 2) …… 85
图 164 手体表标志(掌面观) Surface markings of the hand (palmar aspect) …… 85
图 165 手体表标志(背面观) Surface markings of the hand (dorsal aspect) …… 85
图 166 手肌(前面观1) Muscles of the hand (anterior aspect 1) …… 86
图 167 手肌(前面观2) Muscles of the hand (anterior aspect 2) …… 86
图 168 手肌(前面观3) Muscles of the hand (anterior aspect 3) …… 87
图 169 手背肌腱 Tendons of dorsum of the hand …… 87
图 170 指腱鞘(前面观) Tendinous sheaths of the fingers (anterior aspect) …… 88
图 171 指腱鞘(后面观) Tendinous sheaths of the fingers (posterior aspect) …… 88
图 172 大腿肌(前面观1) Muscles of the thigh (anterior aspect 1) …… 89
图 173 大腿肌(前面观2) Muscles of the thigh (anterior aspect 2) …… 89
图 174 髋肌和大腿肌(后面观) Muscles of the hip and thigh (posterior aspect) …… 90
图 175 髋肌(后面观) Muscles of the hip (posterior aspect) …… 90
图 176 大腿肌(后面观) Muscles of the thigh (posterior aspect) …… 91
图 177 小腿肌(前面观) Muscles of the leg (anterior aspect) …… 91

图 178 小腿肌(后面观1) Muscles of the leg (posterior aspect 1) …… 92
图 179 小腿肌(后面观2) Muscles of the leg (posterior aspect 2) …… 92
图 180 小腿肌(后面观3) Muscles of the leg (posterior aspect 3) …… 93
图 181 足背的体表标志 Surface markings of dorsum of the foot …… 94
图 182 足背肌 Muscles of dorsum of the foot …… 94
图 183 足底肌(1) Muscles of sole of the foot (1) …… 95
图 184 足底肌(2) Muscles of sole of the foot (2) …… 95
图 185 足底肌(3) Muscles of sole of the foot (3) …… 96
图 186 足底肌(4) Muscles of sole of the foot (4) …… 96

第 4 章 内脏学概论 GENERAL DESCRIPTION OF SPLANCHNOLOGY

图 187 人体器官的位置(正面观) Position of the human organs (anterior aspect) …… 98
图 188 人体器官的位置(右侧面观) Position of the human organs (right lateral aspect) …… 99
图 189 胸部标志线 Reference lines of the thorax …… 100
图 190 腹部分区 Regions of the abdomen …… 100
图 191 腹前壁体表标志 Surface markings of the anterior abdominal wall …… 100

第 5 章 消化系统 DIGESTIVE SYSTEM

图 192 消化系统概观 General arrangement of the digestive system …… 102
图 193 口腔和咽峡 The oral cavity and isthmus of the fauces …… 103
图 194 口腔 The oral cavity …… 103
图 195 恒牙(1) The permanent teeth (1) …… 104
图 196 恒牙(2) The permanent teeth (2) …… 105
图 197 舌 The tongue …… 106
图 198 舌肌(纵切面) Muscles of the tongue …… 106
图 199 头颈部(正中矢状切面) The head and neck (median sagittal section) …… 107
图 200 咽腔(后面观) The pharyngeal cavity (posterior aspect) …… 107
图 201 食管(前面观) The esophagus (anterior aspect) …… 108
图 202 咽和食管(后面观) The pharynx and esophagus (posterior aspect) …… 108
图 203 胃 The stomach …… 109
图 204 胃黏膜 The mucous membrane of the stomach …… 109
图 205 食管钡餐X线图像 Barium meal radiograph of the esophagus …… 110
图 206 胃钡餐X线图像 Barium meal radiograph of the stomach …… 110
图 207 肝(后面观) The liver (posterior aspect) …… 111
图 208 胆道、十二指肠和胰腺(前面观)
The bile ducts, duodenum and pancreas (anterior aspect) …… 111
图 209 肝(上面观) The liver (superior aspect) …… 112
图 210 肝(下面观) The liver (inferior aspect) …… 112
图 211 肝脏管道铸型(1) The cast of the hepatic ducts (1) …… 113

图 212 肝脏管道铸型(2) The cast of the hepatic ducts (2) …… 113
图 213 腹部脏器和大网膜（前面观）
The viscera of the abdomen and greater omentum (anterior aspect) …… 114
图 214 肠与阑尾系膜 The mesentery and mesoappendix …… 115
图 215 乙状结肠系膜 The sigmoid mesocolon …… 116
图 216 小网膜 The lesser omentum …… 117
图 217 横结肠系膜 The transverse mesocolon …… 117
图 218 小肠钡餐X线片 Barium meal radiograph of the small intestine …… 118
图 219 结肠钡餐X线图像 Barium meal radiograph of the colon …… 118
图 220 结肠(外面观) The colon (external aspect) …… 119
图 221 盲肠与阑尾 The cecum and vermiform appendix …… 119
图 222 直肠与肛管(侧面观) The rectum and anal canal (lateral aspect) …… 120
图 223 直肠与肛管(内面观) The rectum and anal canal (internal aspect) …… 120
图 224 肝、脾动脉造影 The hepatic and splenic arteriography …… 121
图 225 肠系膜上动脉造影 The superior mesenteric arteriography …… 122
图 226 肠系膜下动脉造影 The inferior mesenteric arteriography …… 123

第 6 章 呼吸系统 RESPIRATORY SYSTEM

图 227 呼吸系统体表标志 Surface markings of the respiratory system …… 125
图 228 呼吸系统概观 General arrangement of the respiratory system …… 126
图 229 鼻中隔(1) The nasal septum (1) …… 127
图 230 鼻中隔(2) The nasal septum (2) …… 127
图 231 鼻腔外侧壁(1) The lateral wall of the nasal cavity (1) …… 128
图 232 鼻腔外侧壁(2) The lateral wall of the nasal cavity (2) …… 129
图 233 鼻旁窦 The paranasal sinuses …… 130
图 234 鼻腔和鼻旁窦（冠状切面）
The nasal cavities and the paranasal sinuses (coronal section) …… 130
图 235 鼻旁窦X线图像 Radiograph of the paranasal sinuses …… 131
图 236 鼻旁窦 CT X-ray CT of the paranasal sinuses …… 131
图 237 甲状软骨(前面观) The thyroid cartilage (anterior aspect) …… 132
图 238 甲状软骨(后面观) The thyroid cartilage (posterior aspect) …… 132
图 239 环状软骨、杓状软骨和小角软骨（前面观）
The cricoid, arytenoid and corniculate cartilages (anterior aspect) …… 132
图 240 环状软骨、杓状软骨和小角软骨（后面观）
The cricoid, arytenoid and corniculate cartilages (posterior aspect) …… 132
图 241 喉软骨的连结(前面观) Joints of the laryngeal cartilages (anterior aspect) …… 133
图 242 喉软骨的连结(后面观) Joints of the laryngeal cartilages (posterior aspect) …… 133
图 243 弹性圆锥和方形膜（侧面观）
The conus elasticus and quadrangular membrane (lateral aspect) …… 134

图 244 弹性圆锥 The conus elasticus …… 134
图 245 喉肌(前面观) Muscles of the larynx (anterior aspect) …… 135
图 246 喉肌(后面观) Muscles of the larynx (posterior aspect) …… 135
图 247 喉肌(外侧面观) Muscles of the larynx (lateral aspect) …… 136
图 248 喉腔 The laryngeal cavity …… 136
图 249 喉口(上面观) The aperture of the larynx (superior aspect) …… 137
图 250 喉腔内镜图像 Endoscope image of the laryngeal cavity …… 137
图 251 气管与支气管(前面观) The trachea and bronchi (anterior aspect) …… 138
图 252 气管与支气管(切除前壁) The trachea and bronchi (part of anterior wall removed) …… 138
图 253 气管与支气管(后面观) The trachea and bronchi (posterior aspect) …… 138
图 254 右肺(前面观) The right lung (anterior aspect) …… 139
图 255 左肺(前面观) The left lung (anterior aspect) …… 139
图 256 右肺(内侧面观) The right lung (medial aspect) …… 140
图 257 左肺(内侧面观) The left lung (medial aspect) …… 140
图 258 胸膜(前面观) The pleura (anterior aspect) …… 141
图 259 胸膜(后面观) The pleura (posterior aspect) …… 141
图 260 胸膜腔(前面观) The pleural cavity (anterior aspect) …… 142
图 261 肺铸型 The cast of the lung …… 143
图 262 胸部X线图像(正位) Radiograph of the thorax (anterior aspect) …… 143
图 263 支气管动脉造影 The bronchial arteriography …… 143

第 7 章 泌尿生殖系统 UROGENITAL SYSTEM

图 264 男性泌尿生殖系统（前面观）
General arrangement of the male urogenital system (anterior aspect) …… 145
图 265 男性泌尿生殖系统（后面观）
General arrangement of the male genital system (posterior aspect) …… 145
图 266 女性泌尿生殖系统（前面观）
General arrangement of the female urogenital system (anterior aspect) …… 146
图 267 肾和输尿管的位置 Locations of the kidney and ureter …… 147
图 268 肾的体表标志 Surface markings of the kidney …… 147
图 269 肾后面毗邻 Posterior relationship of the kidney …… 148
图 270 右肾(前面观) The right kidney (anterior aspect) …… 149
图 271 左肾(前面观) The left kidney (anterior aspect) …… 149
图 272 肾铸型 The cast of the kidney …… 149
图 273 肾(冠状切面) The kidney (coronal section) …… 150
图 274 膀胱和前列腺(前面观) The urinary bladder and prostate gland (anterior aspect) …… 151
图 275 膀胱、前列腺、精囊和输精管（后面观）
The urinary bladder, prostate gland, seminal vesicle and ductus deferens (posterior aspect) …… 151
图 276 男性盆部(正中矢状切面) The pelvis of the male (median sagittal section) …… 152

图 277 睾丸和精索被膜 Coverings of the testis and spermatic cord …… 153
图 278 睾丸和附睾 The testis and epididymis …… 153
图 279 阴茎 The penis …… 154
图 280 阴茎(横断面) The penis (transverse section) …… 154
图 281 阴茎(正中矢状切面) The penis (median sagittal section) …… 154
图 282 女性生殖系统概观 General arrangement of the female genital system …… 155
图 283 女性盆部(正中矢状切面) The pelvis of the female (median sagittal section) …… 156
图 284 女性外生殖器 External genital organs of the female …… 156
图 285 乳房(1) The mamma (1) …… 157
图 286 乳房的X线摄影 Radiograph of the mamma …… 157
图 287 乳房(2) The mamma (2) …… 157

第 8 章 心脏 HEART

图 288 心脏的外形(前面观) External features of the heart (anterior aspect) …… 159
图 289 心脏的外形(后面观) External features of the heart (posterior aspect) …… 160
图 290 心脏的位置 Position of the heart …… 161
图 291 心包(心脏已切除) The pericardium (heart removed) …… 162
图 292 心脏的体表标志 Surface markings of the heart …… 162
图 293 右心房(内面观) The right atrium (internal aspect) …… 163
图 294 右心室(内面观) The right ventricle (internal aspect) …… 164
图 295 左心房(内面观) The left atrium (internal aspect) …… 165
图 296 左心室(内面观) The left ventricle (internal aspect) …… 166
图 297 左右心室心肌 The muscles of the left and right ventricles …… 167
图 298 心脏内腔 The internal cavities of the heart …… 167
图 299 心瓣膜 The valves of the heart …… 167
图 300 心脏的血管(前面观) Blood vessels of the heart (anterior aspect) …… 168
图 301 心脏的血管(后面观) Blood vessels of the heart (posterior aspect) …… 168
图 302 心脏及心大血管 The heart and the large blood vessels of the heart …… 169
图 303 心血管铸型标本(1) The cast specimen of the cardiac blood vessels (1) …… 169
图 304 心血管铸型标本(2) The cast specimen of the cardiac blood vessels (2) …… 169
图 305 心肺MRI MRI of the heart and lung …… 170
图 306 左冠状动脉造影 The left coronary angiography …… 170
图 307 右冠状动脉造影 The right coronary angiography …… 170

第 9 章 淋巴系统 LYMPHATIC SYSTEM

图 308 淋巴系统模式图 Diagram of the lymphatic system …… 172
图 309 胸导管及淋巴干 The thoracic ducts and lymph trunks …… 173
图 310 头颈部浅淋巴管及淋巴结
Superficial lymphatic vessels and lymph nodes of the head and neck …… 174

图 311 头颈部深淋巴管及淋巴结
Deep lymphatic vessels and lymph nodes of the head and neck …… 174
图 312 颈前部淋巴管及淋巴结 Lymphatic vessels and lymph nodes of the neck …… 175
图 313 上肢淋巴管及淋巴结 Lymphatic vessels and lymph nodes of the upper limb …… 175
图 314 腋窝、乳房的淋巴管和淋巴结
Lymphatic vessels and lymph nodes of the axillary fossa and mamma …… 176
图 315 气管、支气管的淋巴管和淋巴结
Lymphatic vessels and lymph nodes of the trachea and bronchi …… 177
图 316 肺的淋巴引流 Lymph drainage of the lung …… 177
图 317 胃的淋巴管和淋巴结 Lymphatic vessels and lymph nodes of the stomach …… 178
图 318 腹部器官淋巴结 Lymph nodes of the abdominal viscera …… 178
图 319 盆部淋巴管和淋巴结（女性）
Lymphatic vessels and lymph nodes of the pelvis (female) …… 179
图 320 直肠的淋巴引流 Lymph drainage of the rectum …… 179
图 321 下肢浅淋巴管和淋巴结
Superficial lymphatic vessels and lymph nodes of the lower limb …… 180
图 322 腹股沟浅淋巴结 The superficial inguinal lymph nodes …… 180
图 323 腹股沟深淋巴结 The deep inguinal lymph nodes …… 180
图 324 脾(膈面观) The spleen (diaphragmatic aspect) …… 181
图 325 脾(脏面观) The spleen (visceral aspect) …… 181
图 326 腋窝的淋巴结 The lymph nodes of the axillary fossa …… 182
图 327 人下肢淋巴管瓣膜呈“竹节”样结构
The lymphatic valves of human legs is like “bamboo joint” …… 182
图 328 毛细淋巴管与毛细血管电镜图像
TEM image of lymphatic capillary and capillary vessel …… 182

第 10 章 视器与位听器 VISUAL ORGAN AND VESTIBULOCOCHLEAR ORGAN

图 329 右侧眼球模式图(水平断面) Diagram of the right eyeball (horizontal section) …… 184
图 330 眼球前部断面图 Diagram of the section through the anterior part of the eyeball …… 184
图 331 眼球壁结构模式图 Diagram of the wall of the eyeball …… 185
图 332 眼底图(右侧) Fundus of the eyeball (right side) …… 186
图 333 左眼(前面观) The left eye (anterior aspect) …… 186
图 334 泪器模式图 Diagram of the lacrimal apparatus …… 187
图 335 眼球外肌(上面观) The extraocular muscles (superior aspect) …… 187
图 336 眼球外肌(外侧面观) The extraocular muscles (lateral aspect) …… 188
图 337 眼球外肌(内侧面观) The extraocular muscles (medial aspect) …… 188
图 338 眼的血管、神经 Blood vessels and nerves of the eye …… 189
图 339 眼的肌肉、血管、神经 Muscles,blood vessels and nerves of the eye …… 189
图 340 耳郭(外侧面观) The auricle (lateral aspect) …… 190

图 341 前庭蜗器概观（前外侧面观）
General arrangement of the vestibulocochlear organ (anter-olateral aspect) …… 190
图 342 前庭蜗器概观（上面观）
General arrangement of the vestibulocochlear organ (superioraspect) …… 191
图 343 鼓室内侧壁(1) Medial wall of the tympanic cavity (1) …… 191
图 344 鼓室内侧壁(2) Medial wall of the tympanic cavity (2) …… 192
图 345 鼓膜模式图(外侧观) Diagram of the tympanic membrane (outer view) …… 192
图 346 听小骨链 The chain of the auditory ossicles …… 193
图 347 听小骨 The auditory ossicles …… 193
图 348 右耳骨迷路(1) The bony labyrinth of the right ear (1) …… 194
图 349 右耳骨迷路(2) The bony labyrinth of the right ear (2) …… 194
图 350 内耳道底 The fundus of the internal acoustic meatus …… 194
图 351 骨迷路模式图 Diagram of the bony labyrinth …… 195
图 352 骨迷路与膜迷路模式图 Diagram of the bony and membranous labyrinth …… 195
图 353 螺旋器模式图(横断面) Diagram of the spiral organ (transverse section) …… 196
图 354 耳蜗模式图 Diagram of the cochlea …… 196

第 11 章 内分泌系统 ENDOCRINE SYSTEM

图 355 内分泌腺 The endocrine glands …… 198
图 356 胸腺和甲状腺 The thymus and thyroid gland …… 199
图 357 甲状腺（前面观） The thyroid gland (anterior aspect) …… 199
图 358 甲状腺(后面观) The thyroid gland (posterior aspect) …… 199
图 359 肾上腺 The suprarenal glands …… 200
图 360 垂体与松果体 The hypophysis and pineal body …… 200

第 12 章 神经系统——中枢神经 NERVOUS SYSTEM —— CENTRAL NERVE

图 361 婴儿脊髓和脊神经(后面观) Spinal cord and nerves in the fetus (posterior aspect) …… 202
图 362 成人脊髓(后面观) Spinal cord in the adult …… 203
图 363 脊髓和脊神经 The spinal cord and nerves …… 204
图 364 脊髓的被膜 The coverings of the spinal cord …… 205
图 365 脊髓的血管 The blood vessels of the spinal cord …… 205
图 366 颈段脊髓(横切面) Spinal cord of the cervical region (transverse section) …… 206
图 367 胸段脊髓(横切面) Spinal cord of the thoracic region (transverse section) …… 206
图 368 腰段脊髓(横切面) Spinal cord of the lumbar region (transverse section) …… 206
图 369 脑干(腹面观) The brain stem (ventral aspect) …… 207
图 370 脑干(背面观) The brain stem (dorsal aspect) …… 208
图 371 延髓横切面（经丘系交叉）
Transverse section of the medulla oblongata through the decussation of medial lemniscus …… 209
图 372 延髓横切面（经橄榄中部）

Transverse section of the medulla oblongata through the middle part of the olive …… 209
图 373 脑桥横切面（面神经丘水平）
Transverse section of the pons at the level of the facial colliculus …… 210
图 374 脑桥横切面（经三叉神经运动核）
Transverse section of the pons through the motor nucleus of the trigeminal nerve …… 210
图 375 中脑横切面（下丘水平）
Transverse section of the midbrain at the level of the inferior colliculus …… 211
图 376 中脑横切面（上丘水平）
Transverse section of the midbrain at the level of the superior colliculus …… 211
图 377 小脑(上面观) The cerebellum (superior aspect) …… 212
图 378 小脑(下后面观) The cerebellum (posteroinferior aspect) …… 212
图 379 小脑(下前面观) The cerebellum (anteroinferior aspect) …… 213
图 380 小脑脚 Cerebellar peduncle …… 213
图 381 小脑的内部结构 The internal structure of the cerebellum …… 214
图 382 小脑的正中矢状切面 The cerebellum (median sagittal section) …… 214
图 383 小脑横切面 The transverse section of the cerebellum …… 215
图 384 小脑脚及锥体束 The cerebellar peduncle and pyramidal tract …… 215
图 385 基底核和脑干 The basal nuclei and brain stem …… 216
图 386 脑干及小脑(侧面观1) The brain stem and cerebellum (lateral aspect 1) …… 216
图 387 脑干及小脑(侧面观2) The brain stem and cerebellum (lateral aspect 2) …… 217
图 388 间脑(背面观) The diencephalon (dorsal aspect) …… 217
图 389 丘脑核团模式图 Diagram of the thalamic nuclei …… 218
图 390 下丘脑核团模式图 Diagram of the hypothalamic nuclei …… 218
图 391 脑(外侧面观) The brain (lateral aspect) …… 219
图 392 脑(底面观) The brain (basal aspect) …… 220
图 393 脑(顶面观) The brain (superior aspect) …… 221
图 394 脑(正中矢状切面) The brain (median sagittal section) …… 222
图 395 大脑半球(上外侧面观) The cerebral hemisphere (superolateral aspect) …… 223
图 396 岛叶 The insular lobe …… 223
图 397 大脑半球(内侧面观) The cerebral hemisphere (medial aspect) …… 224
图 398 内囊及基底核 The internal capsule and basal nuclei …… 224
图 399 内囊模式图 Diagram of the internal capsule …… 225
图 400 辐射冠 The corona radiata …… 225
图 401 脑底动脉 Arteries at the base of the brain …… 226
图 402 脑底动脉 MRI MRI of the arteries at the base of the brain …… 226
图 403 大脑半球外侧面动脉 Arteries of the lateral surface of the cerebral hemisphere …… 227
图 404 大脑半球内侧面动脉 Arteries of the medial surface of the cerebral hemisphere …… 227
图 405 脑正中矢状面(A、B) The brain(median sagittal seetion) …… 228
图 406 大脑半球外侧面静脉 Veins of the lateral surface of the cerebral hemisphere …… 229

图 407 蛛网膜粒 The arachnoid granulations …… 229
图 408 锥体束 The pyramidal tract …… 230
图 409 视束及视辐射 The optic tract and optic radiation …… 230
图 410 大脑髓质(外侧面观) The cerebral medullary substance (lateral aspect) …… 231
图 411 大脑半球联络纤维 Association fibers of the cerebral hemisphere …… 231
图 412 前连合 The anterior commissure …… 232
图 413 胼胝体(上面观) The corpus callosum (superior aspect) …… 232
图 414 海马和穹窿 The hippocampus and fornix …… 233
图 415 侧脑室(上面观) The lateral ventricle (superior aspect) …… 233
图 416 脑冠状切面 The coronal section of the brain …… 234
图 417 硬脑膜 The cerebral dura mater …… 235
图 418 海绵窦冠状切面 The coronal section of the cavernous sinus …… 235
图 419 颅底硬脑膜 Dura mater of the base of the cranial cavity …… 236
图 420 脑脊液循环模式图 Diagram of cerebrospinal fluid circulation …… 237
图 421 经旁小叶上部脑横切面
Transverse section of the brain through the superior portion of the paracentral lobule …… 238
图 422 脑 CT X-ray CT of the brain …… 238
图 423 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 239
图 424 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 239
图 425 经中央前回中份的横断面
Transverse section of the brain through the middle part of the precentral gyrus …… 240
图 426 脑 CT X-ray CT of the brain …… 240
图 427 脑 MRI (T_1WI) MRI of the brain (T_1WI) …… 241
图 428 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 241
图 429 经顶枕沟上部脑横切面
Transverse section of the brain through the superior portion of parietooccipital sulcus …… 242
图 430 脑 CT X-ray CT of the brain …… 242
图 431 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 243
图 432 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 243
图 433 经中央旁小叶下部脑横切面
Transverse section of the brain through the inferior portion of the paracentral lobule …… 244
图 434 脑 CT X-ray CT of the brain …… 244
图 435 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 245
图 436 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 245
图 437 经胼胝体脑横切面 Transverse section of the brain through the corpus callosum …… 246
图 438 脑 CT X-ray CT of the brain …… 246
图 439 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 247
图 440 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 247
图 441 脑横断面 Transverse section of the brain …… 248

图 442 脑 CT X-ray CT of the brain …… 248
图 443 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 249
图 444 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 249
图 445 经后上丘与胼胝体亚部中份脑横切面)
Transverse section of the brain at the level of the posterior superior colliculus and the middle of the subcorpus callosum …… 250
图 446 脑 CT X-ray CT of the brain …… 250
图 447 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 251
图 448 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 251
图 449 经下丘脑和前连合脑横切面
Transverse section of the brain through the level of inferior colliculus and the anterior commissure …… 252
图 450 脑 CT X-ray CT of the brain …… 252
图 451 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 253
图 452 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 253
图 453 经颞下颌关节脑横切面
Transverse section of the brain through the level of the temporomandibular joint …… 254
图 454 脑 CT X-ray CT of the brain …… 254
图 455 脑 MRI(T_1WI) MRI of the brain (T_1WI) …… 255
图 456 脑 MRI(T_2WI) MRI of the brain (T_2WI) …… 255

第 13 章 神经系统——内脏神经 NERVOUS SYSTEM —— VISCERAL NERVE

图 457 内脏神经全貌 General arrangement of the visceral nerves …… 257
图 458 交感神经干 The trunks of sympathetic nerve …… 258
图 459 内脏神经(前面观) The visceral nerves (anterior aspect) …… 259
图 460 内脏神经(侧面观) The visceral nerves (lateral aspect) …… 260
图 461 颈部的迷走神经(前面观) The vagus nerves of the neck (anterior aspect) …… 261
图 462 颈部的迷走神经(侧面观) The vagus nerves of the neck (lateral aspect) …… 262

第 14 章 局部解剖学 REGIONAL ANATOMY

图 463 头、颈、躯干冠状切面 The coronal section of the head, neck and trunk …… 264
图 464 躯干正中矢状切面 The median sagittal section of the trunk …… 265
图 465 头皮层次 The layers of the scalp …… 266
图 466 头面颈部的肌肉、血管和神经(前面观)
Muscles, blood vessels and nerves of the head, face and neck (anterior aspect) …… 266
图 467 头颈部的肌肉、血管和神经(侧面观 1)
Muscles, blood vessels and nerves of the head and neck (lateral aspect 1) …… 267
图 468 颈部的血管和神经(侧面观 2)
Blood vessels and nerves of the neck (lateral aspect 2) …… 268
图 469 头颈部的肌肉、血管和神经(侧面观 3)

Muscles, blood vessels and nerves of the head and neck (lateral aspect 3) …… 269
图 470 头颈部的肌肉、血管和神经（侧面观 4）
Muscles, blood vessels and nerves of the head and neck (lateral aspect 4) …… 270
图 471 三叉神经 Branches of the trigeminal nerve …… 271
图 472 胸腹壁浅层的肌肉、血管和神经（1）
Muscles, blood vessels and nerves of the superficial thoracoepigastric wall (1) …… 272
图 473 胸腹壁的肌肉、血管和神经（2）
Muscles, blood vessels and nerves of thoracoepigastric wall (2) …… 273
图 474 腹股沟区解剖 The inguinal region …… 274
图 475 胸腔（前面观） The thoracic cavity (anterior aspect) …… 275
图 476 胸前壁（内面观） The anterior thoracic wall (internal aspect) …… 275
图 477 纵隔（右侧面观） The mediastinum (right aspect) …… 276
图 478 纵隔（左侧面观） The mediastinum (left aspect) …… 277
图 479 腹上部器官和腹腔动脉 Viscera of the upper abdomen and celiac artery …… 278
图 480 腹下部器官和血管（1） Viscera of the lower abdomen and blood vessels (1) …… 279
图 481 腹下部器官和血管（2） Viscera of the lower abdomen and blood vessels (2) …… 280
图 482 腹下部器官和血管（3） Viscera of the lower abdomen and blood vessels (3) …… 281
图 483 回盲部的动脉 Arteries of the ileocecal region …… 282
图 484 腹下部器官和血管（1） Viscera of the lower abdomen and blood vessels (1) …… 282
图 485 腹下部器官和血管（2） Viscera of the lower abdomen and blood vessels (2) …… 282
图 486 腹后壁（前面观1） Posterior wall of the abdomen (anterior aspect 1) …… 283
图 487 腹后壁（前面观 2） Posterior wall of the abdomen (anterior aspect 2) …… 284
图 488 盆腔后外侧壁的血管和神经
Blood vessels and nerves of the lateroposterior wall of the pelvis …… 285
图 489 上肢的浅静脉 Superficial veins of the upper limb …… 285
图 490 上肢的浅静脉和皮神经 Superficial veins and cutaneous nerves of the upper limb …… 286
图 491 腋窝的血管和神经（1） Blood vessels and nerves of the axillary fossa (1) …… 287
图 492 腋窝的血管和神经（2） Blood vessels and nerves of the axillary fossa (2) …… 288
图 493 臂部的肌肉、血管和神经（前面观 1）
Muscles, blood vessels and nerves of the arm (anterior aspect 1) …… 289
图 494 臂部的肌肉、血管和神经（前面观 2）
Muscles, blood vessels and nerves of the arm (anterior aspect 2) …… 289
图 495 肩、臂部的肌肉、血管和神经（后面观 1）
Muscles, blood vessels and nerves of the shoulder and arm (posterior aspect1) …… 290
图 496 肩、臂部的肌肉、血管和神经（后面观 2）
Muscles, blood vessels and nerves of the shoulder and arm (posterior aspect 2) …… 290
图 497 前臂的肌肉、血管和神经（前面观）
Muscles, blood vessels and nerves of the forearm (anterior aspect) …… 291
图 498 手的肌肉、血管和神经（掌侧面观 1）

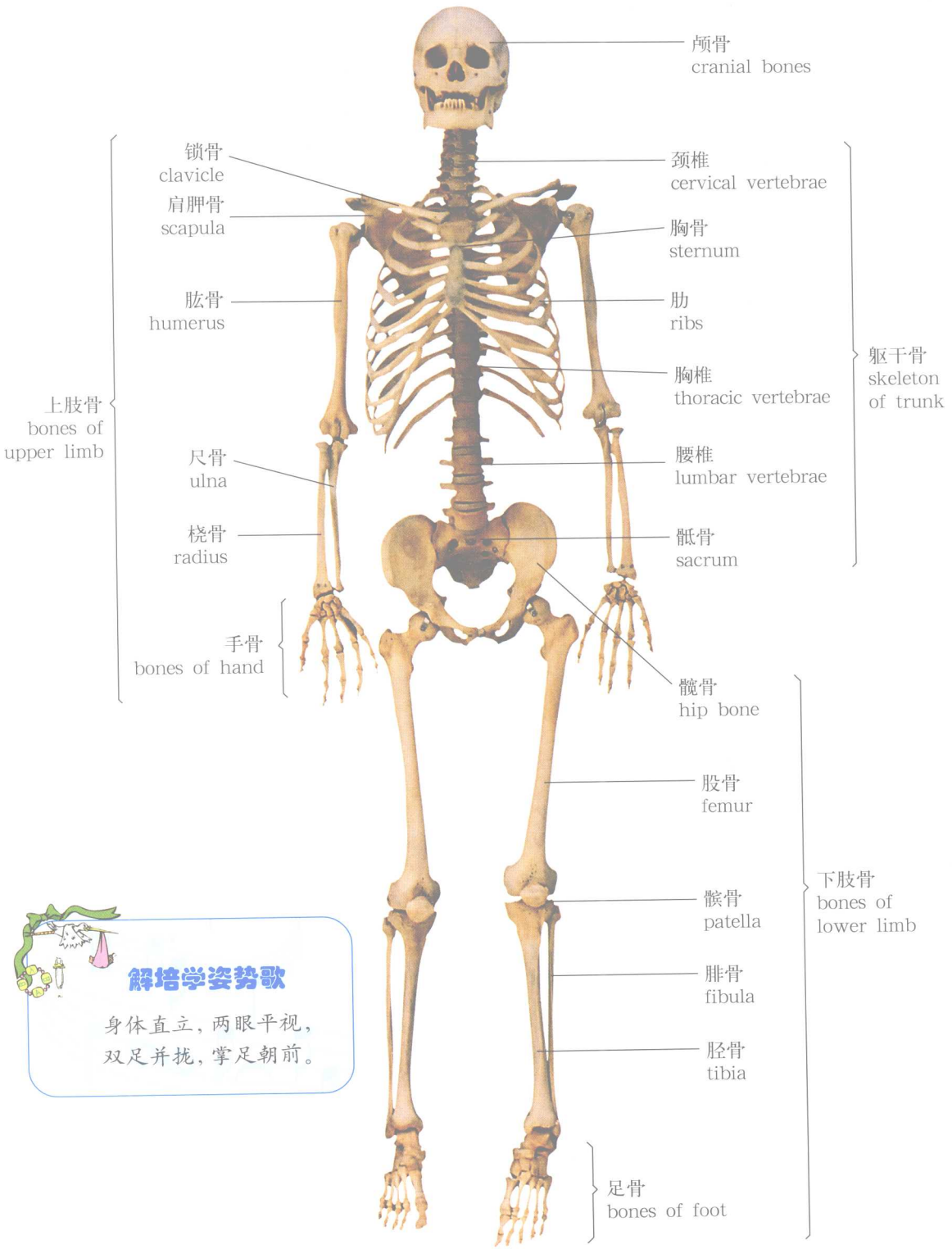
Muscles, blood vessels and nerves of the hand (palmar aspect 1) …… 291
图 499 手的肌肉、血管和神经（掌侧面观 2）
Muscles, blood vessels and nerves of the hand (palmar aspect 2) …… 292
图 500 手的肌腱、血管（背面观） Tendon and blood vessels of the hand (dorsal aspect) …… 293
图 501 下肢的浅静脉 Superficial veins of the lower limb …… 294
图 502 小腿的浅静脉 Superficial veins of the leg …… 294
图 503 股前区皮神经和浅静脉
Cutaneous nerves and superficial veins of anterior region of the thigh …… 295
图 504 小腿的皮神经和浅静脉（前面观）
Cutaneous nerves and superficial veins of the leg (anterior aspect) …… 295
图 505 小腿的皮神经和浅静脉（后面观）
Cutaneous nerves and superficial veins of the leg (posterior aspect) …… 296
图 506 足背的神经和浅静脉（1） Nerves and superficial veins of dorsum of the foot (1) …… 297
图 507 足背的神经和浅静脉（2） Nerves and superficial veins of dorsum of the foot (2) …… 297
图 508 股前区的肌肉、血管和神经
Muscles, blood vessels and nerves of anterior region of the thigh …… 298
图 509 股前区的肌肉、血管和神经
Muscles, blood vessels and nerves of anterior region of the thigh …… 299
图 510 臀区和股后区的肌肉、血管和神经
Muscles, blood vessels and nerves of gluteal region and posterior region of the thigh …… 300
图 511 坐骨肛门窝的肌肉、血管和神经
Muscles, blood vessels and nerves of the ischioanal fossa …… 301
图 512 腘窝的肌肉、血管和神经 Muscles, blood vessels and nerves of the popliteal fossa …… 301
图 513 腘动脉及其分支 The popliteal artery and branches …… 302
图 514 小腿前外侧区和足背的肌肉、血管和神经
Muscles, blood vessels and nerves of anteriolateral crural region and dorsum of the foot …… 302
图 515 小腿的肌肉、血管和神经（后面观 1）
Muscles, blood vessels and nerves of the leg (posterioraspect 1) …… 303
图 516 小腿的肌肉、血管和神经（后面观 2）
Muscles, blood vessels and nerves of the leg (posterioraspect 2) …… 303
图 517 足底的肌肉、血管和神经（1）
Muscles, blood vessels and nerves of sole of the foot (1) …… 304
图 518 足底的肌肉、血管和神经（2）
Muscles, blood vessels and nerves of sole of the foot (2) …… 304
图 519 足底的肌肉、血管和神经（3）
Muscles, blood vessels and nerves of sole of the foot (3) …… 305
参考文献 …… 306

第1章

运动系统——骨

LOCOMOTOR SYSTEM —— BONE

Chapter 1



解结学姿势歌

身体直立，两眼平视，
双足并拢，掌足朝前。

图 1　全身骨骼前面观

The skeleton (anterior aspect)

骨的分类

骨分长短不规扁，
骨质骨膜共构建。

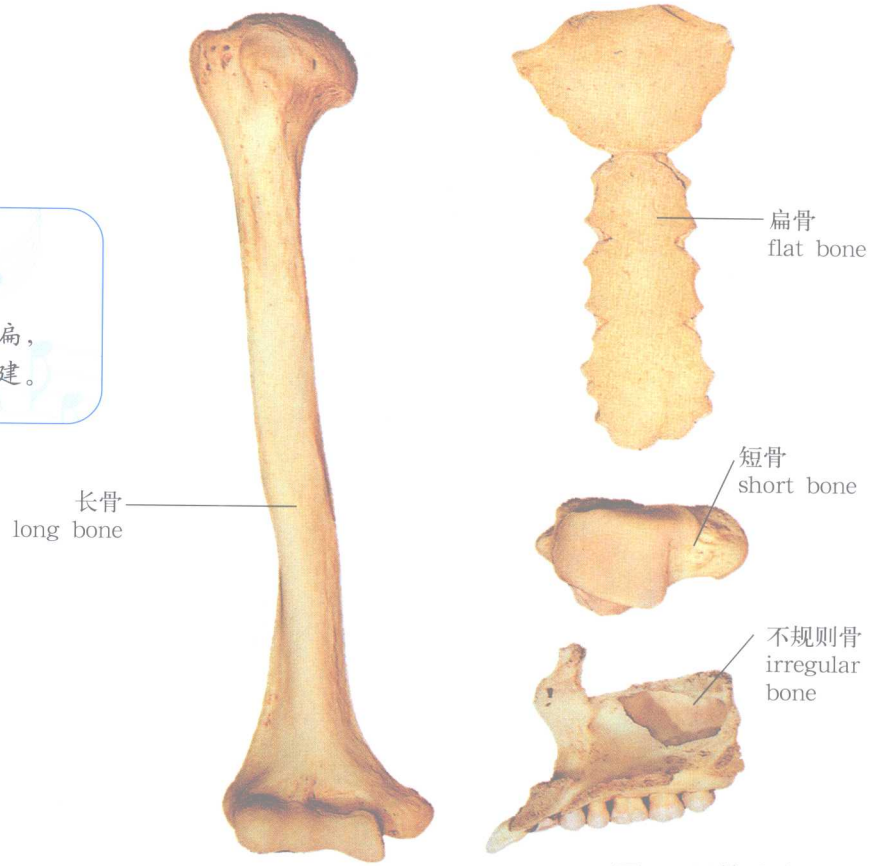


图2 骨的分类
Kinds of the bone

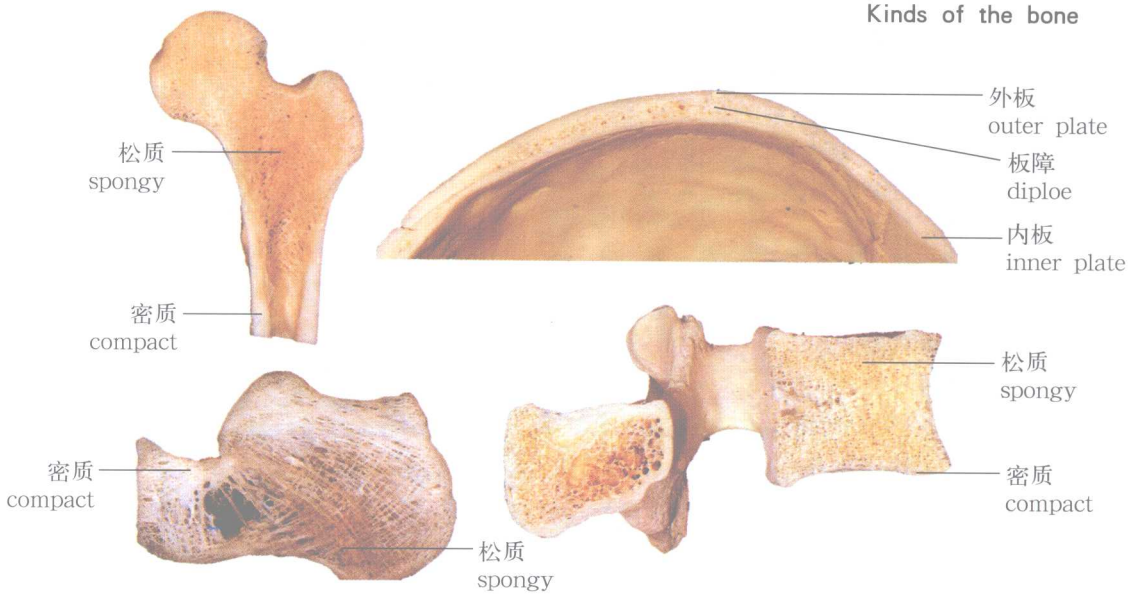
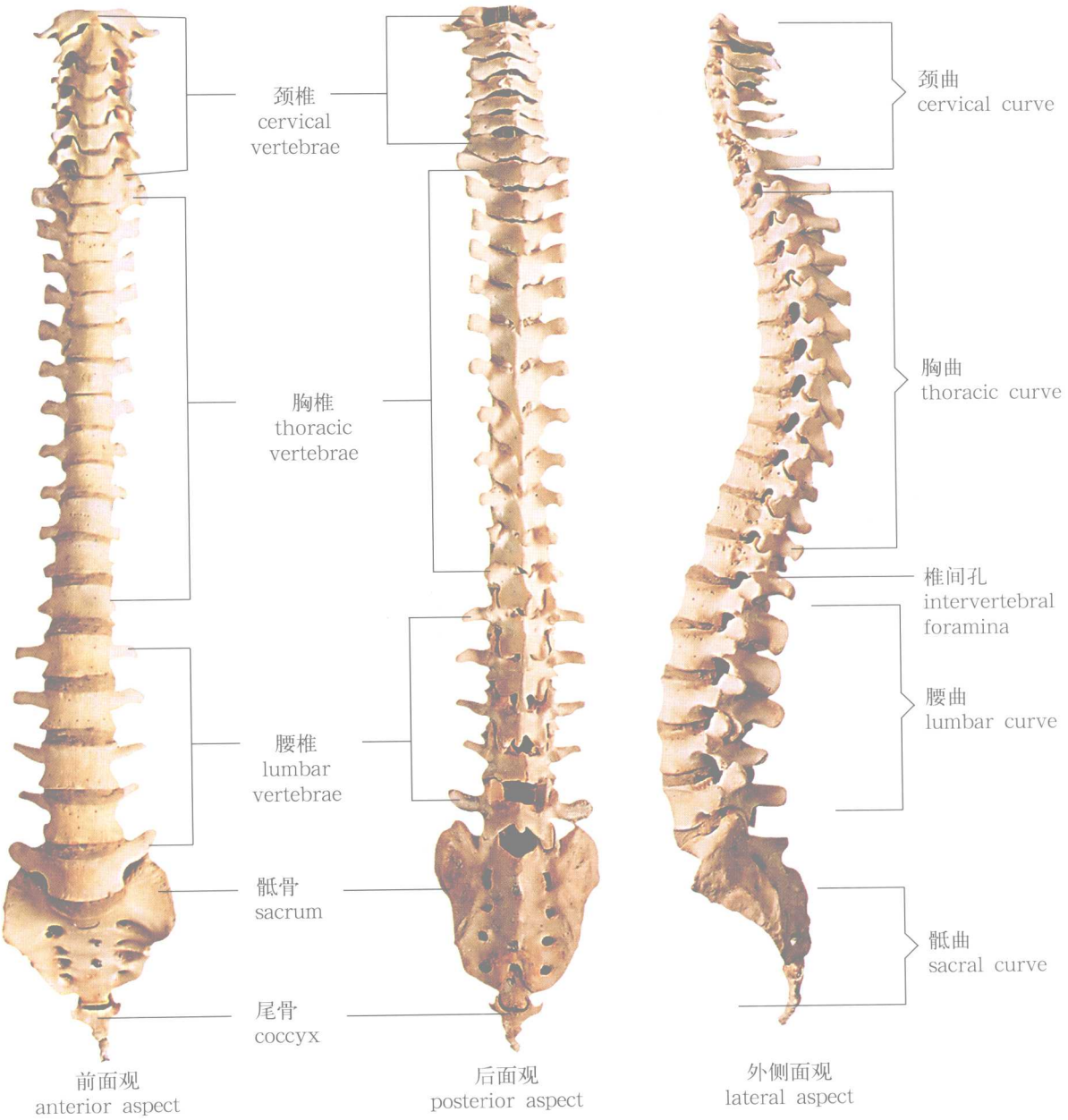


图3 骨的构造
Structure of the bone



脊柱

脊柱侧观四个弯，颈凸腰凸突向前，胸凸骶凸弯向后，腰骶负重大而圆。

图4 脊柱

The vertebral column

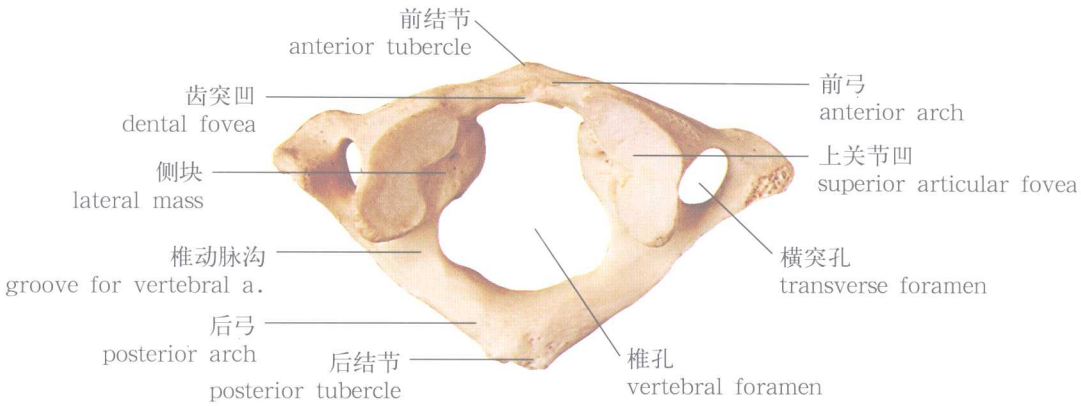


图5 寰椎（上面观）
The atlas (superior aspect)

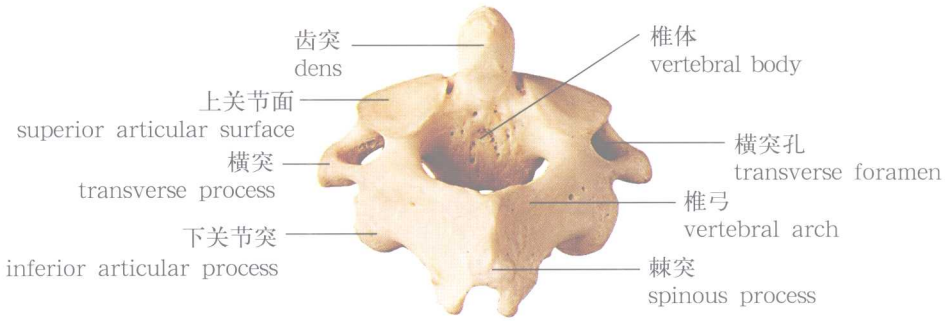


图6 枢椎（后面观）
The axis (posterior aspect)

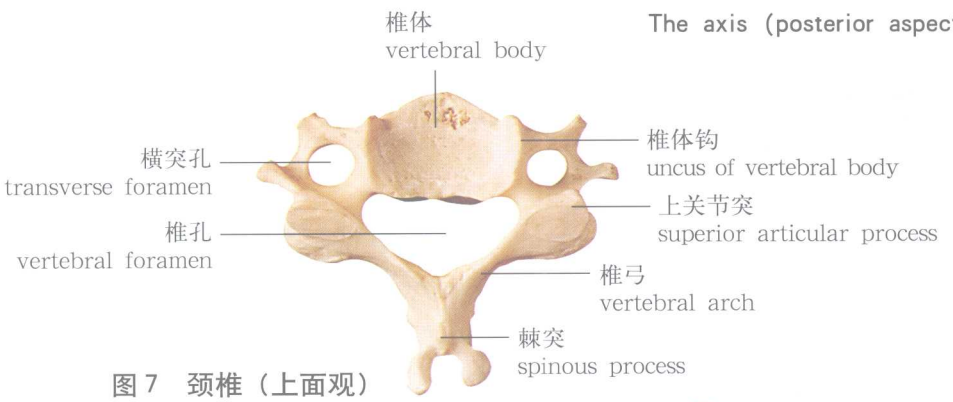


图7 颈椎（上面观）
The cervical vertebra (superior aspect)

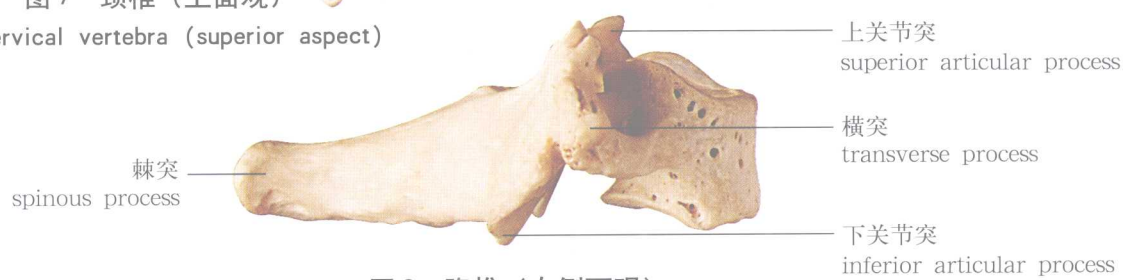


图8 隆椎（右侧面观）
The vertebra prominens (right aspect)

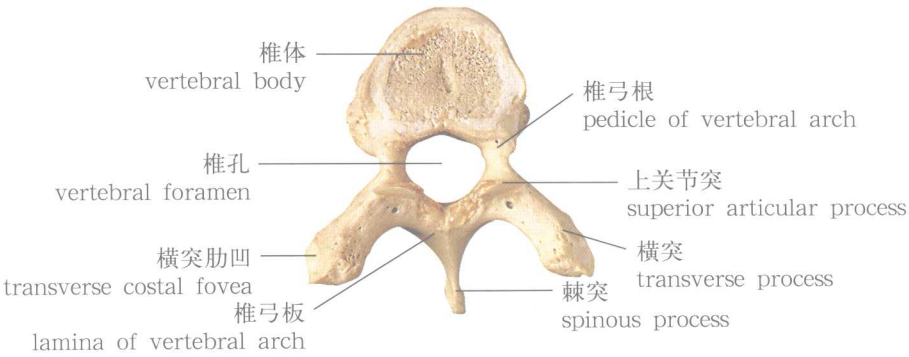


图 9　胸椎(上面观)

The thoracic vertebra (superior aspect)

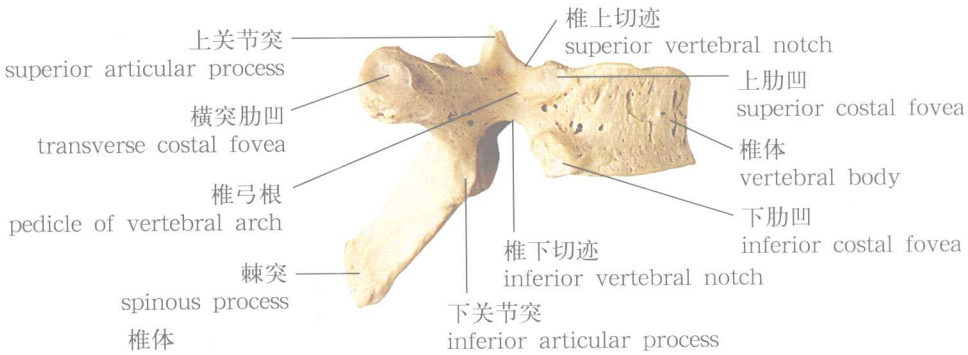


图 10　胸椎（外侧面观）

The thoracic vertebra (lateral aspect)

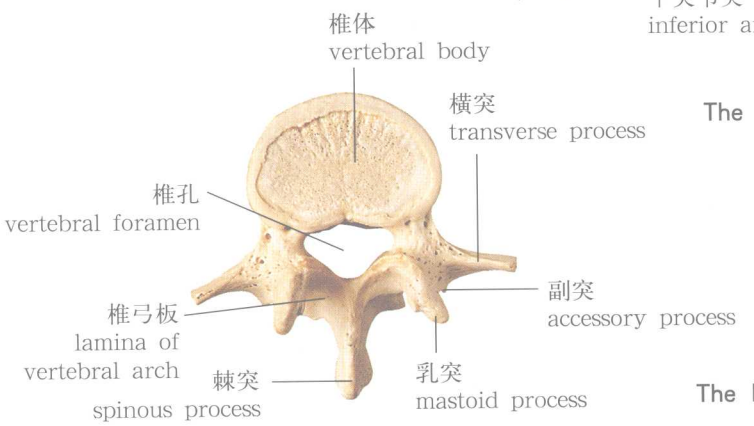


图 11　腰椎(上面观)

The lumbar vertebra (superior aspect)

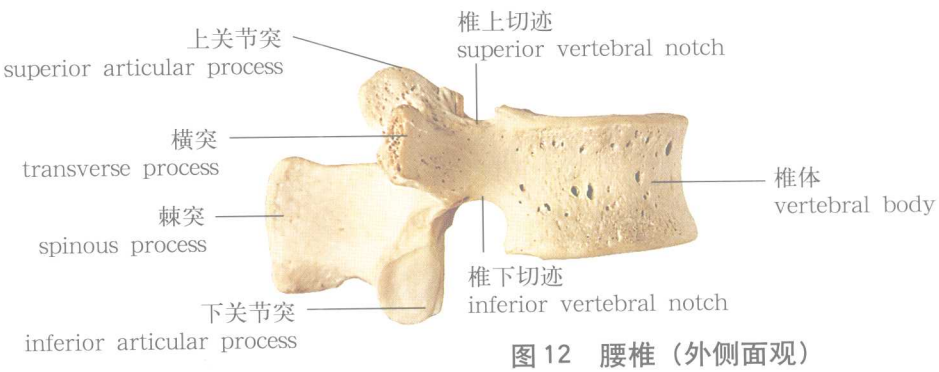


图 12　腰椎（外侧面观）

The lumbar vertebra (lateral aspect)

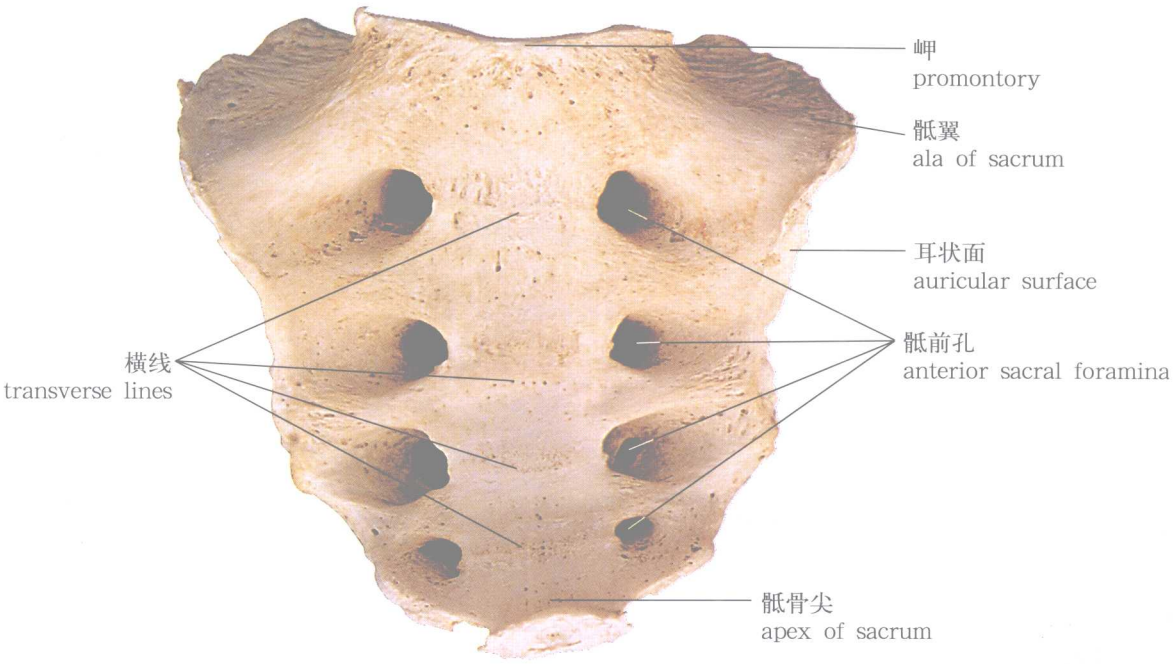


图 13　骶骨（前面观）

The sacrum (anterior aspect)

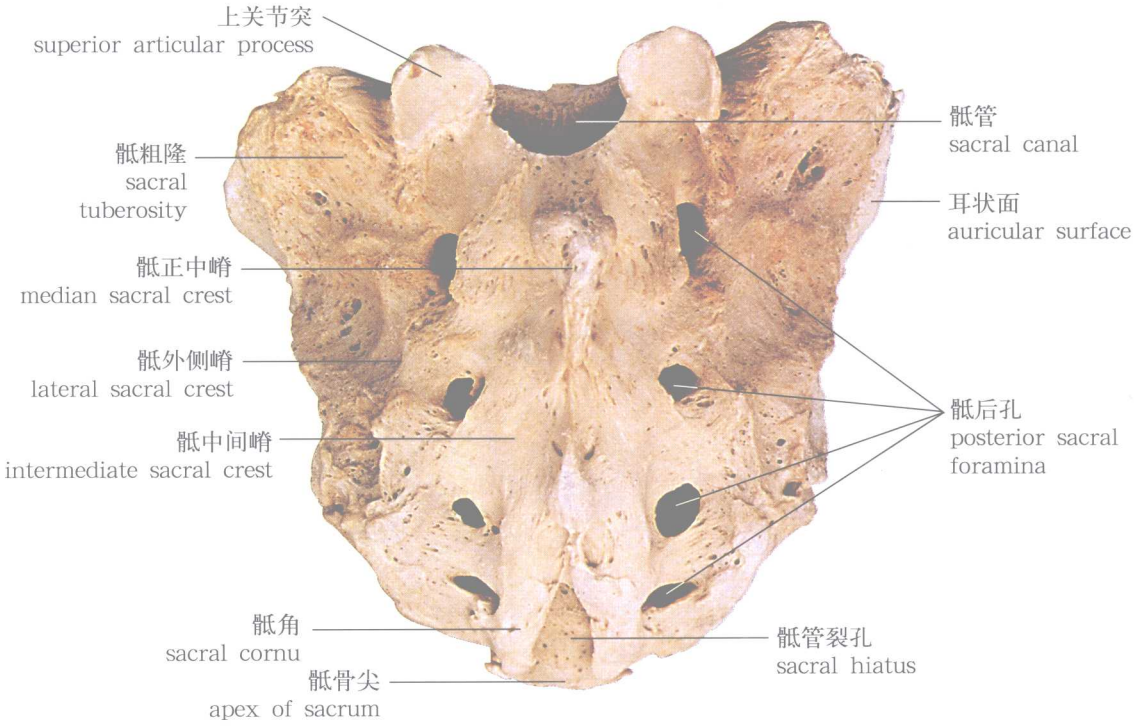
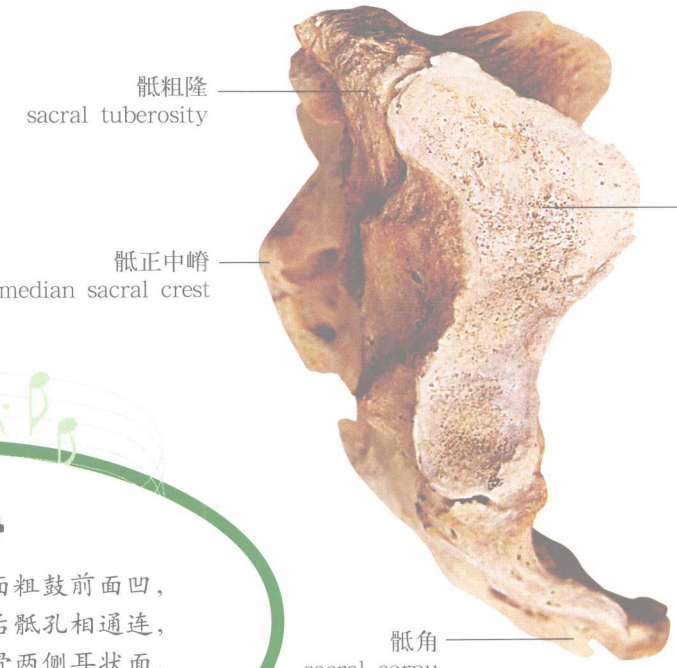


图 14　骶骨（后面观）

The sacrum (posterior aspect)



骶　骨

骶骨尾侧有个尖，后面粗鼓前面凹，
骶骨内部有骶管，前后骶孔相通连，
骶管上方有个岬，骶骨两侧耳状面，
骶孔两侧骶骨角，骶尾两骨紧相连。

图 15　骶骨（外侧面观）
The sacrum (lateral aspect)

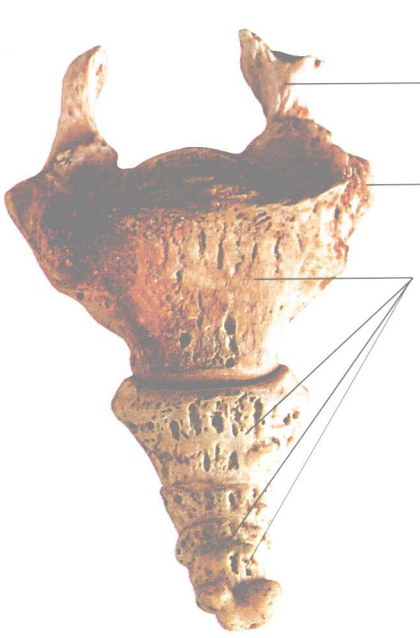


图 16　尾骨（前面观）
The coccyx (anterior aspect)

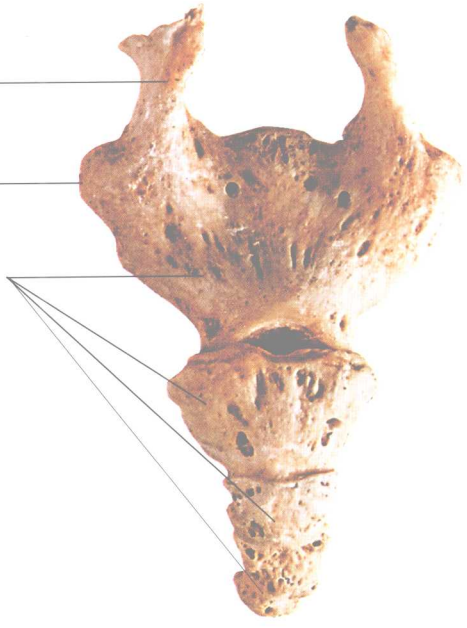


图 17　尾骨（后面观）
The coccyx (posterior aspect)

肋

肋骨弓状有两端，后接胸椎前肋软，上下两缘内外面，肋骨体下肋沟浅。

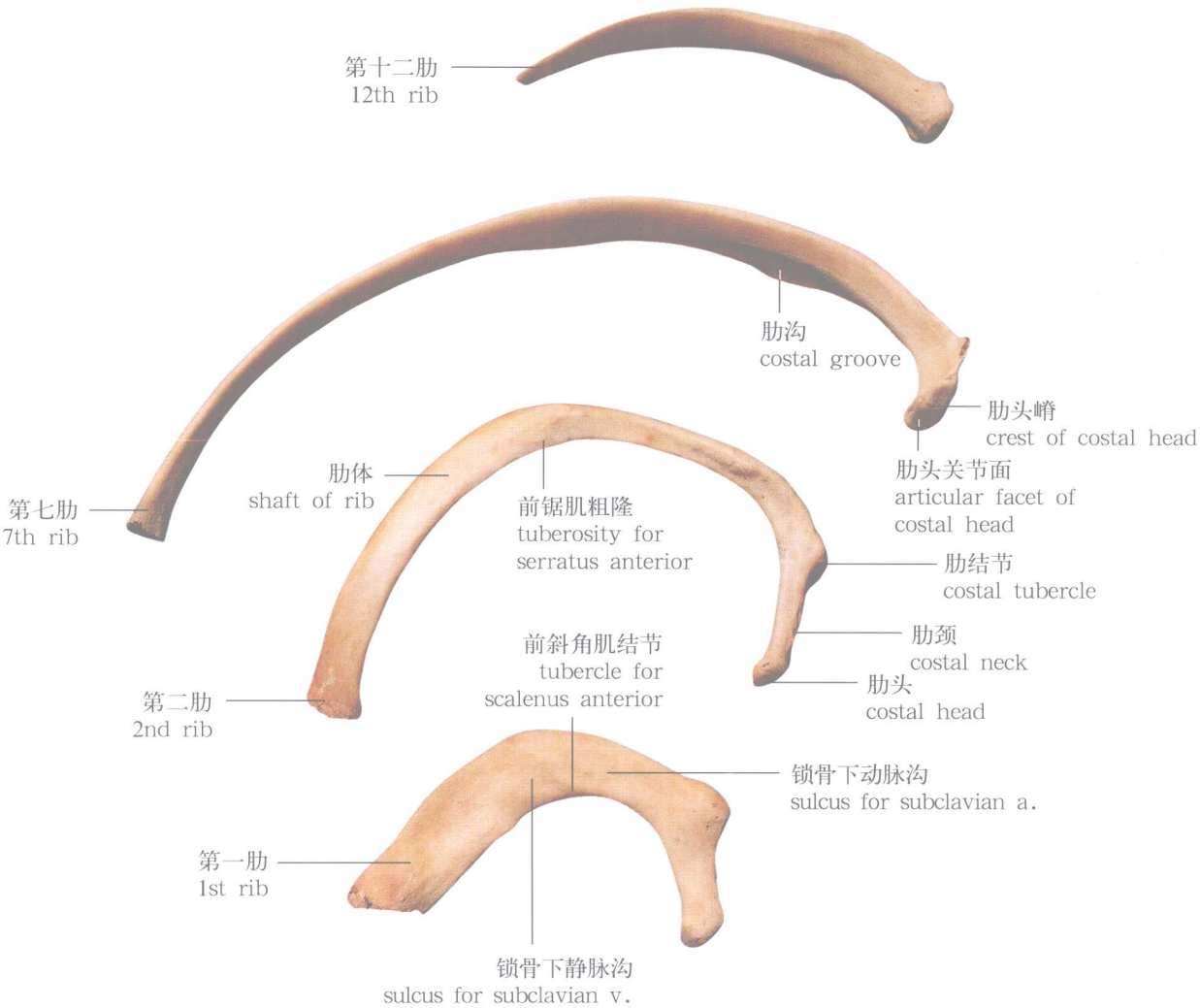
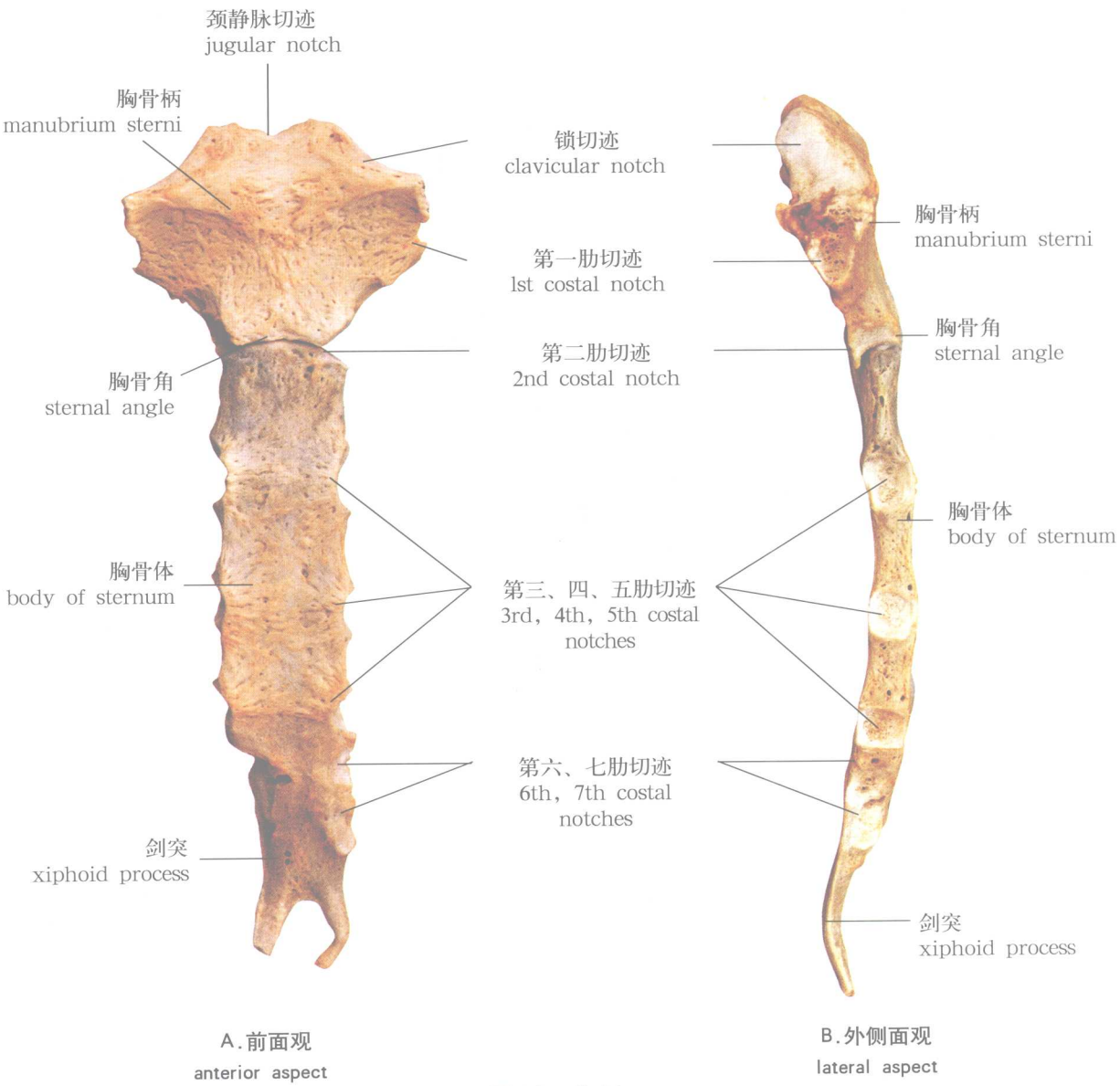


图18 肋

The ribs

胸 骨

柄体剑突相互连，骨形扁长居胸前，
胸骨角位柄体间，正对第二肋软缘。



A.前面观
anterior aspect

B.外侧面观
lateral aspect

图19 胸骨
The sternum

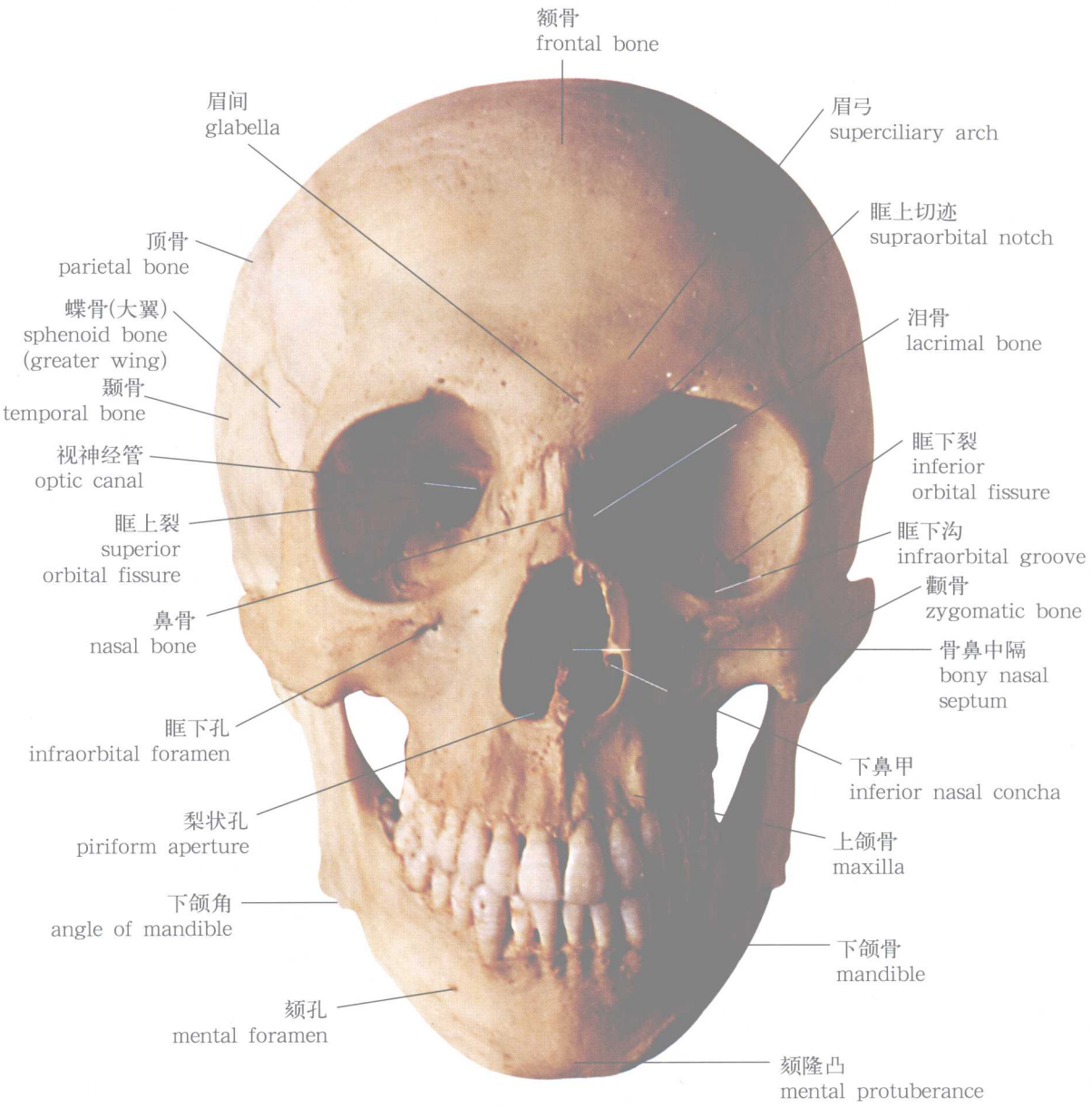


图 20　颅（前面观）

The skull (anterior aspect)

颅

脑颅面颅二十三，脑颅后上面颅前，
额筛蝶枕双顶颞，鼻颧泪腭颅底连，
上下两颌间相对，孤立舌骨犁成隔。

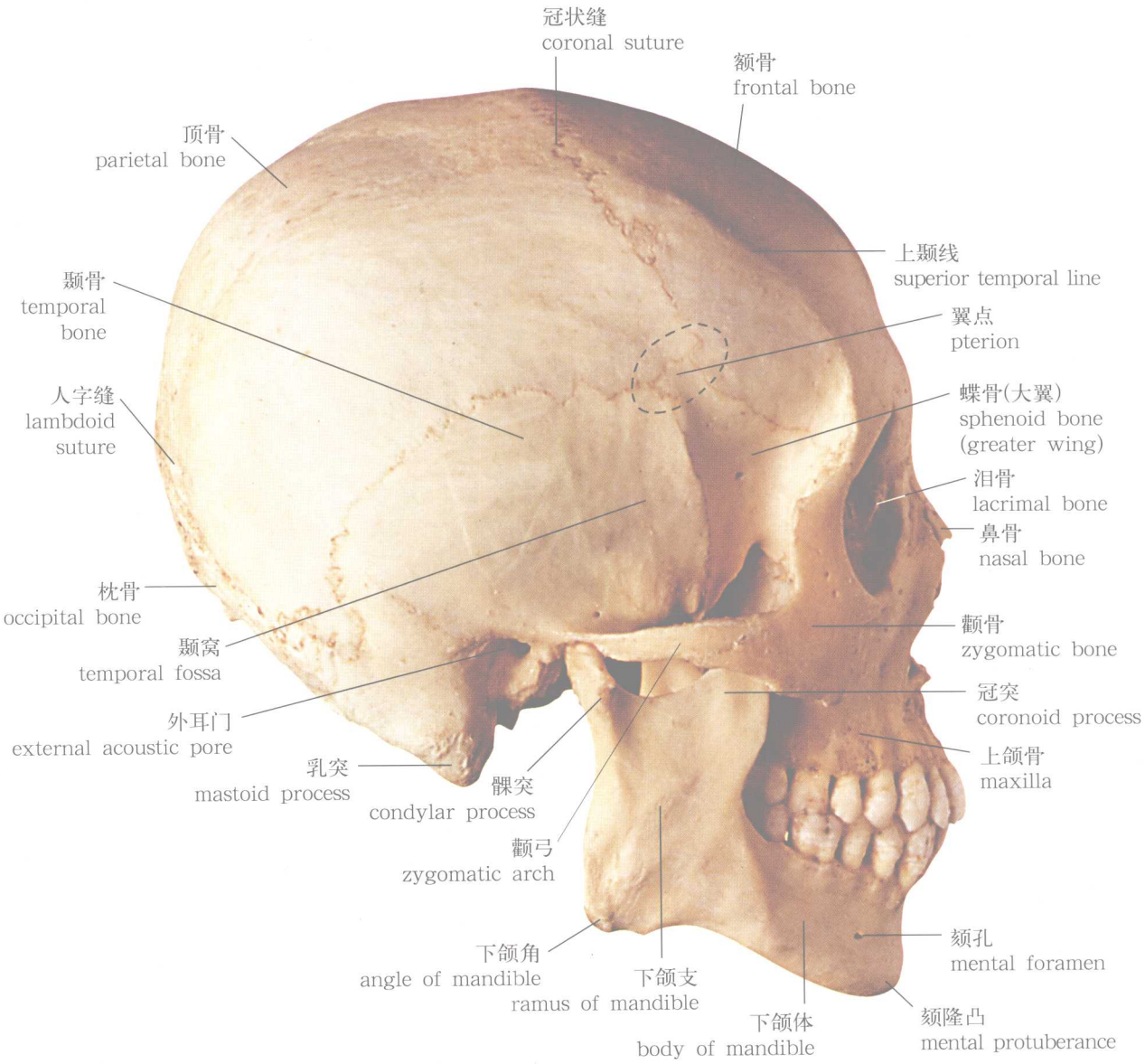


图 21　颅（外侧面观）

The skull (lateral aspect)

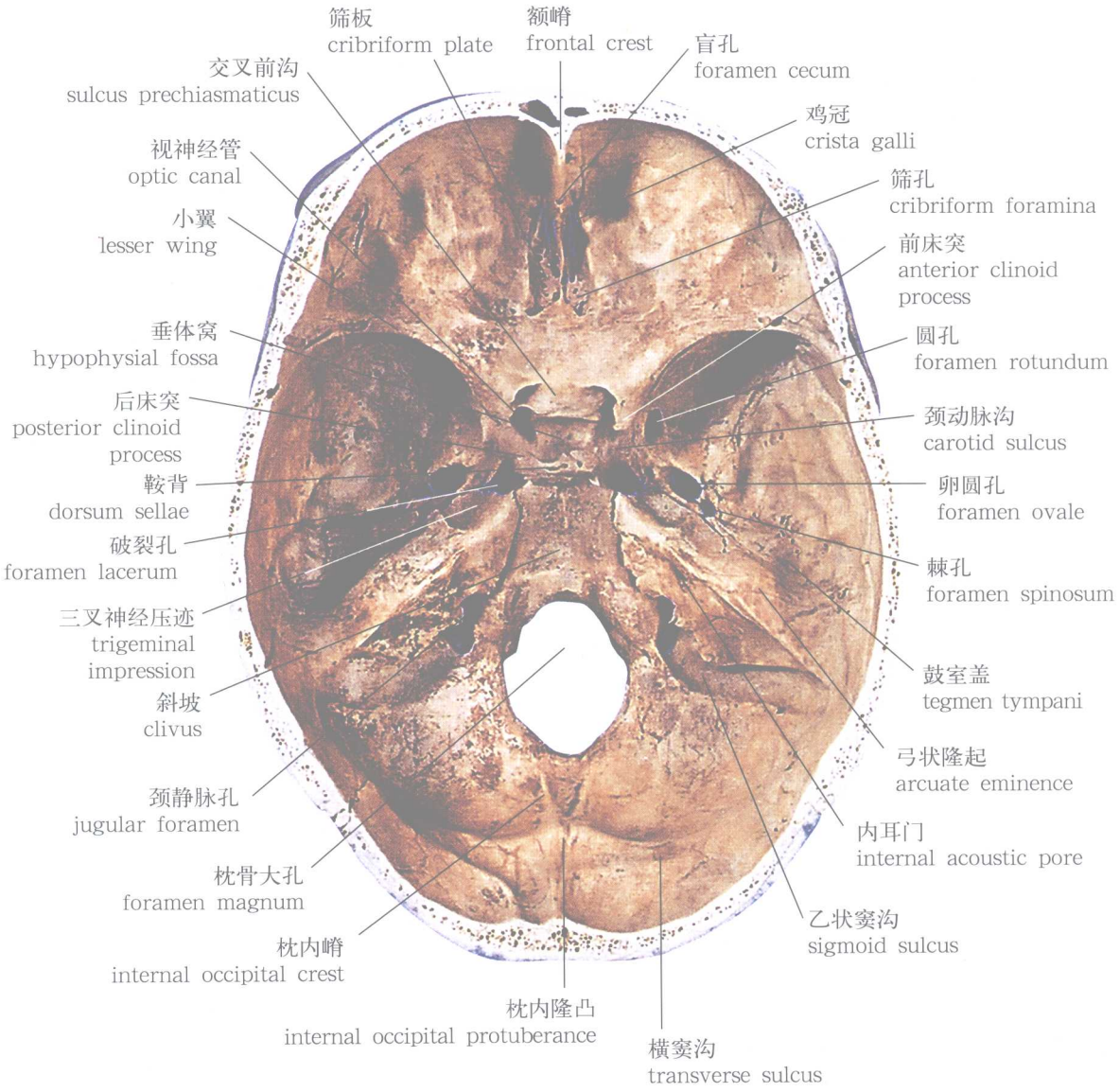


图 22　颅底内面

The internal surface of base of the skull

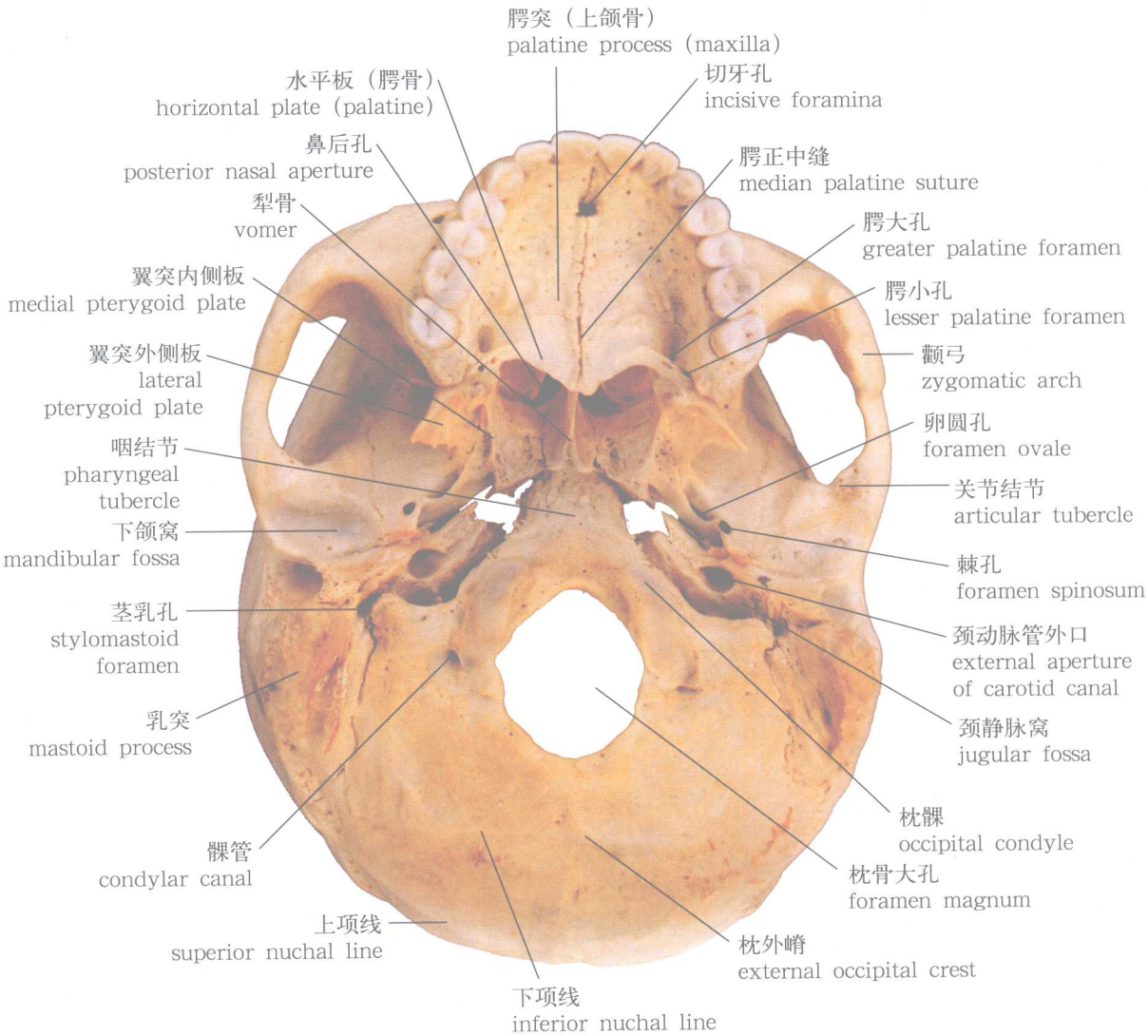


图 23　颅底外面观

The external surface of base of the skull

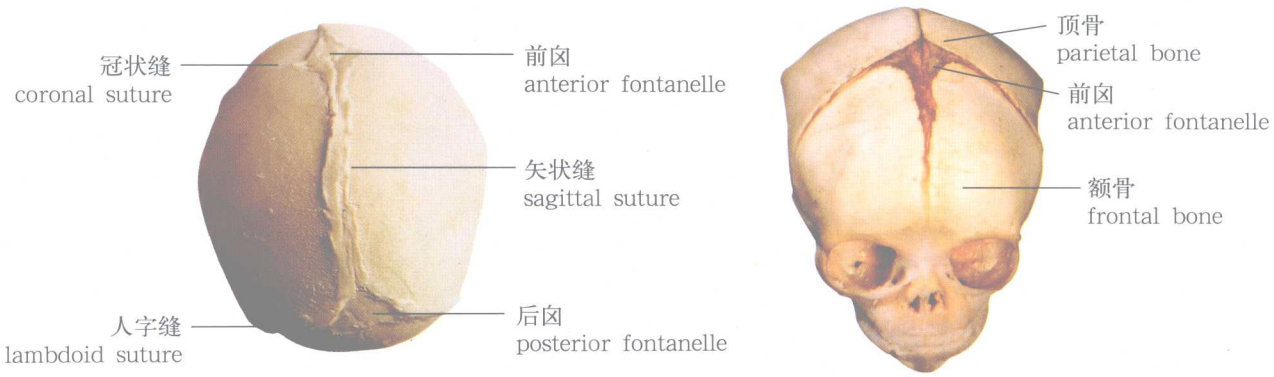


图 24 新生儿颅

Skull of the infant

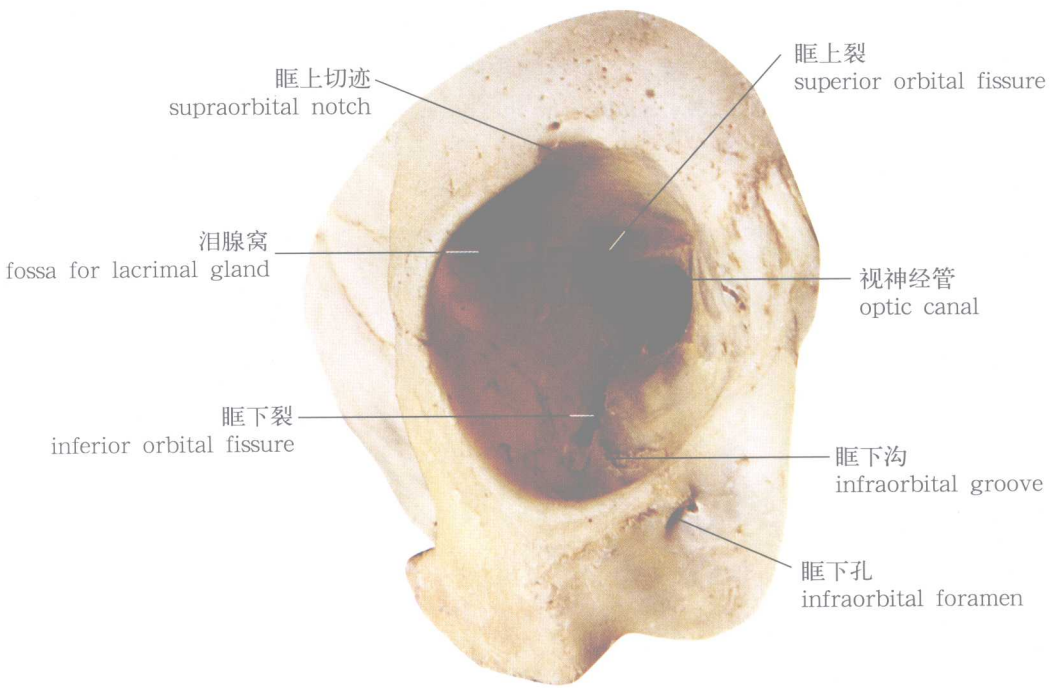


图 25 眶（前面观）

The orbit (anterior aspect)

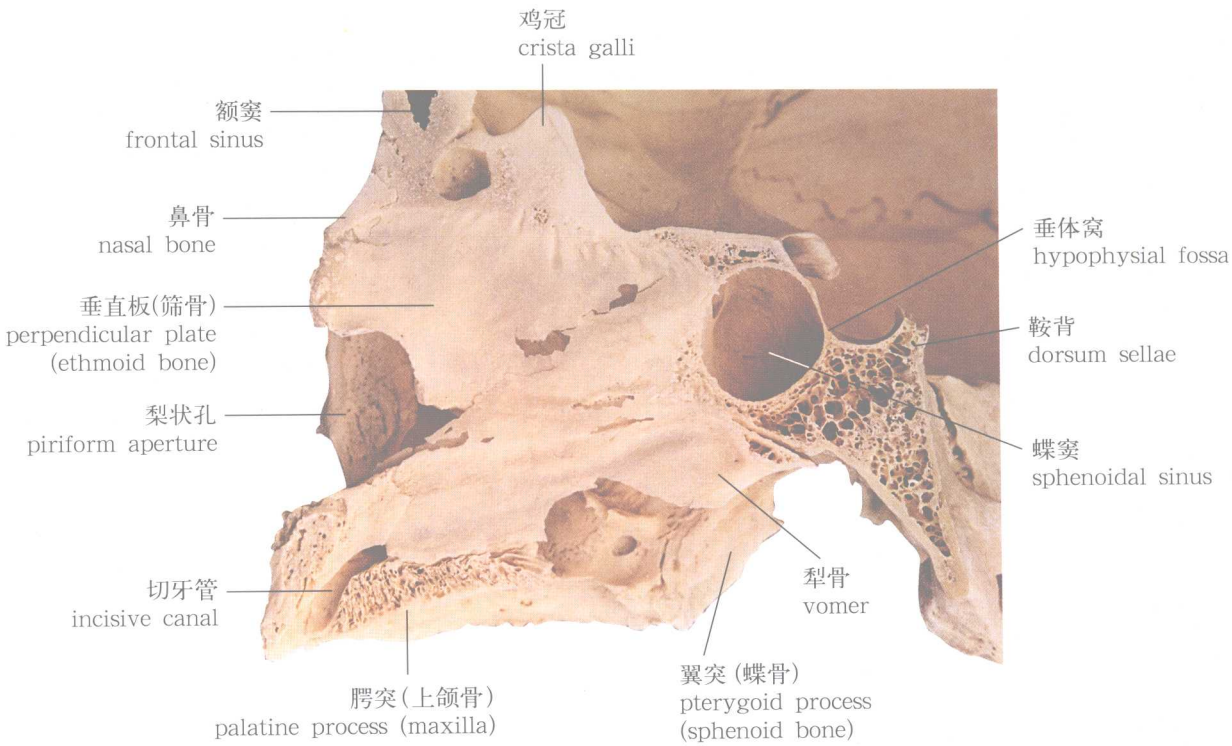


图 26 骨性鼻中隔

Bony septum of the nose

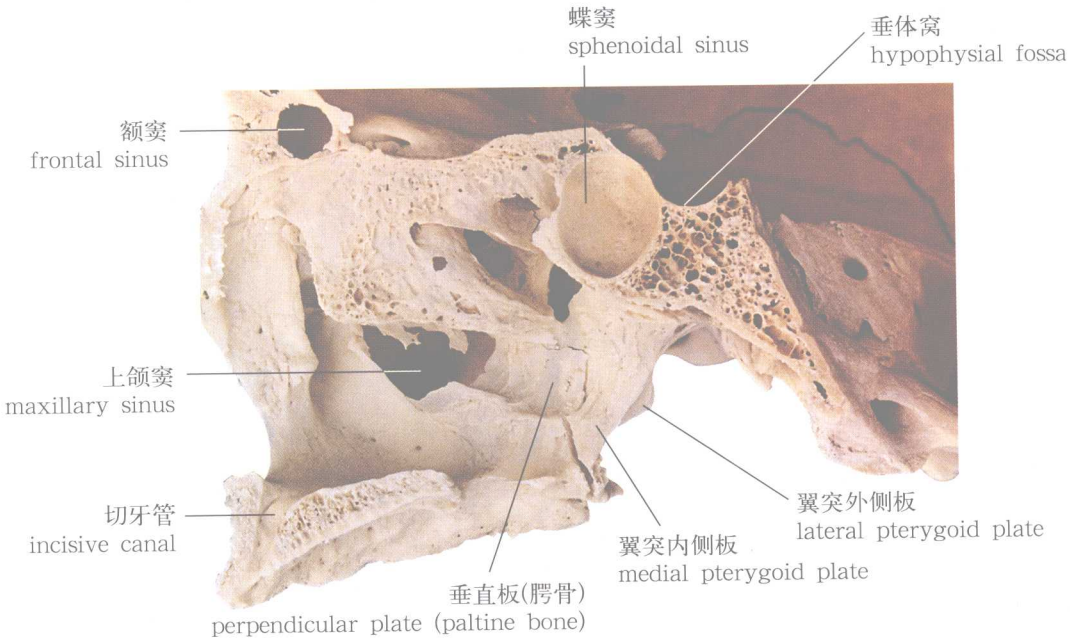


图 27 骨性鼻腔外侧壁

Lateral wall of the bony nasal cavity

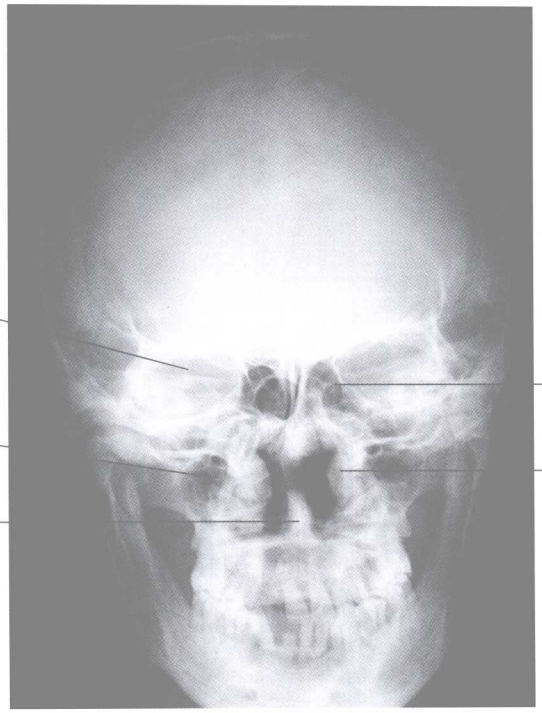


图 28　颅的 X 线图像（正面观）

Radiograph of the skull (anterior aspect)

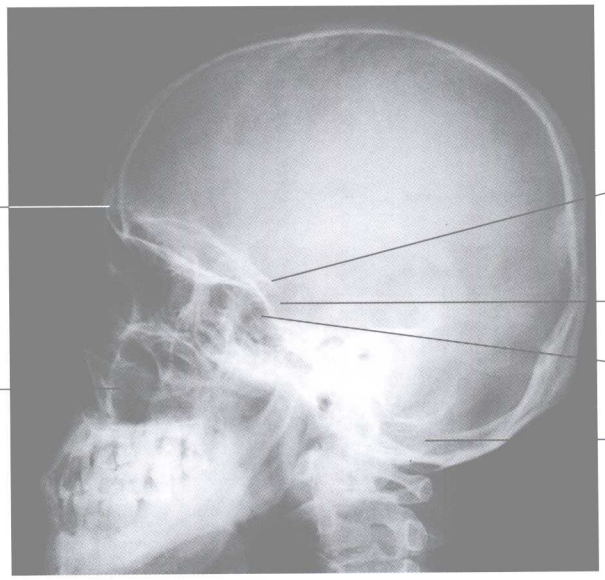


图 29　颅的 X 线图像（侧面观）

Radiograph of the skull (lateral aspect)

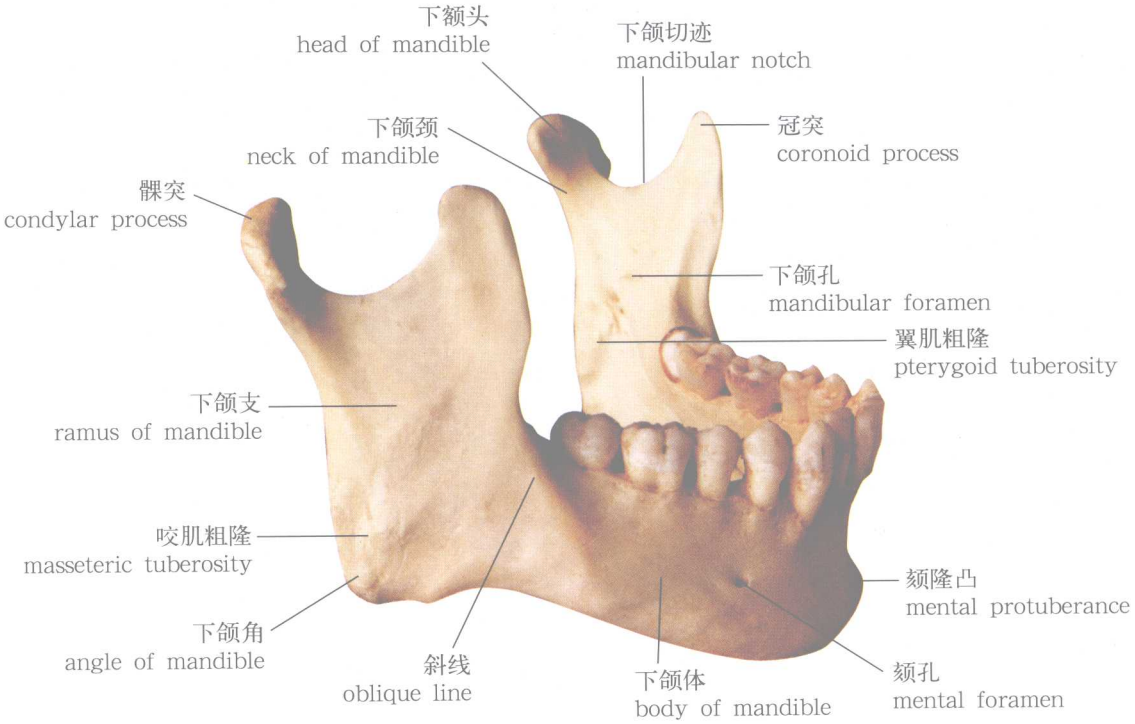


图 30　下颌骨（外侧面观）

The mandible (lateral aspect)

下 颌 骨

下颌骨分体与支，前体后支来分析，
下颌体前颏隆凸，两侧颏孔底颏棘，
下颌支上有冠突，髁冠突间有切迹。

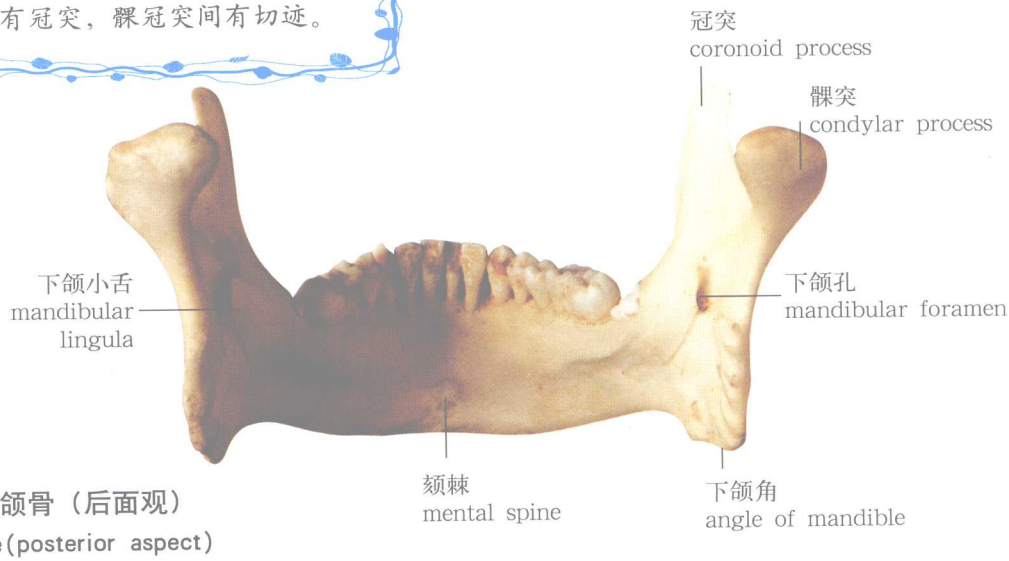


图 31　下颌骨（后面观）

The mandible (posterior aspect)

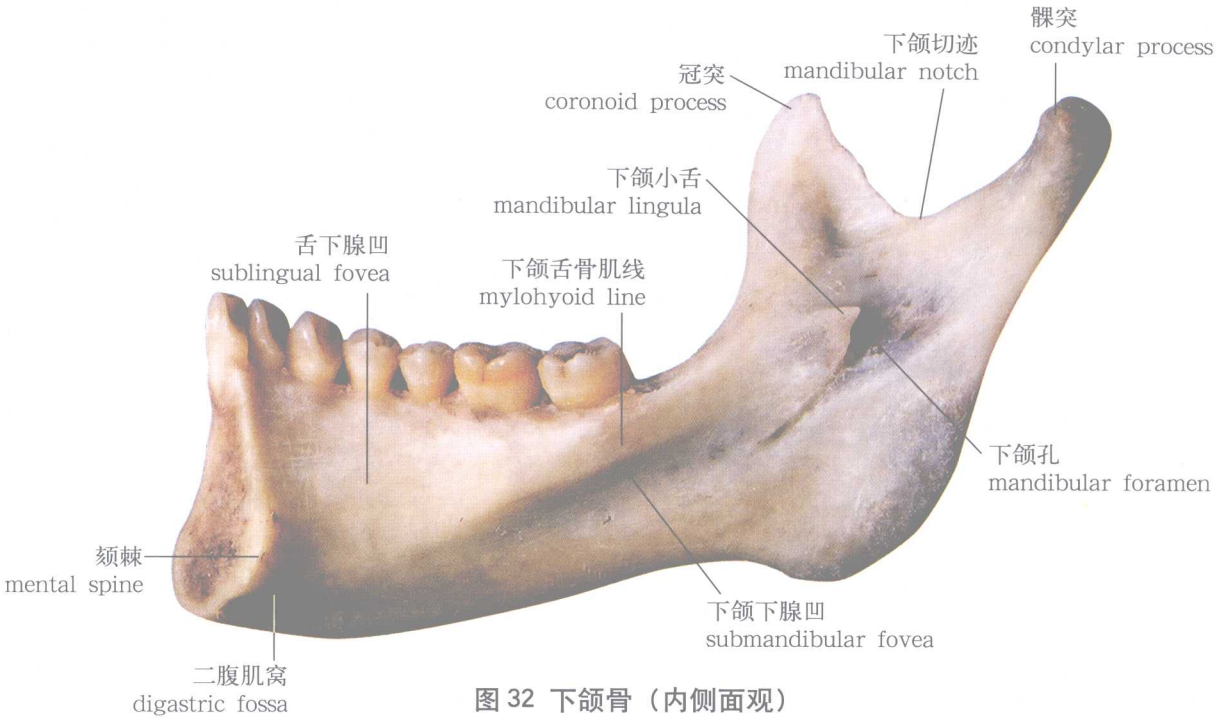


图 32 下颌骨（内侧面观）

The mandible (medial aspect)

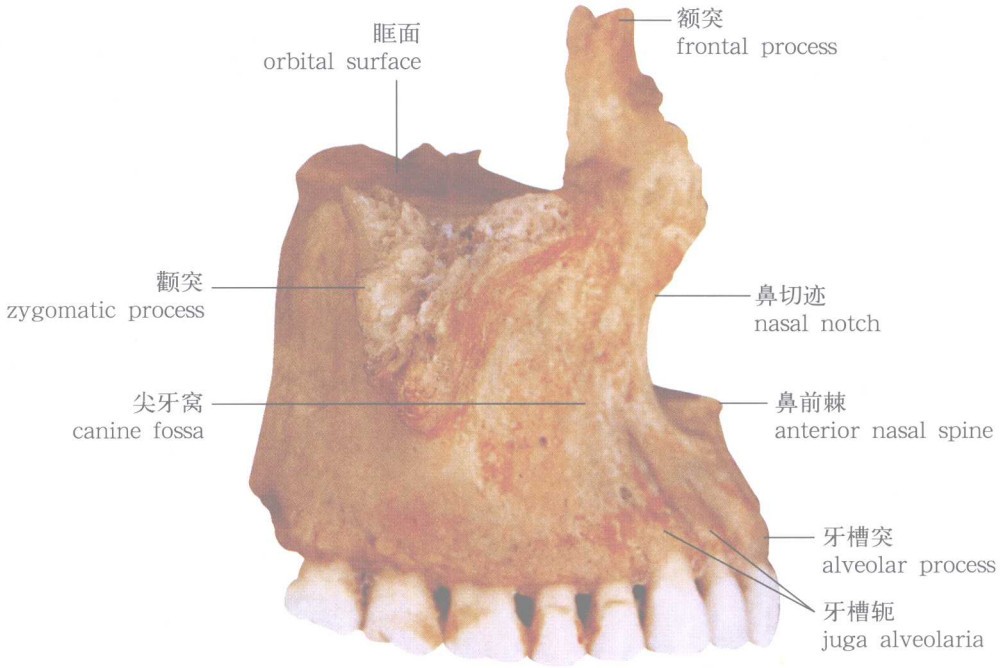


图 33 上颌骨（外侧面观）

The maxilla (lateral aspect)

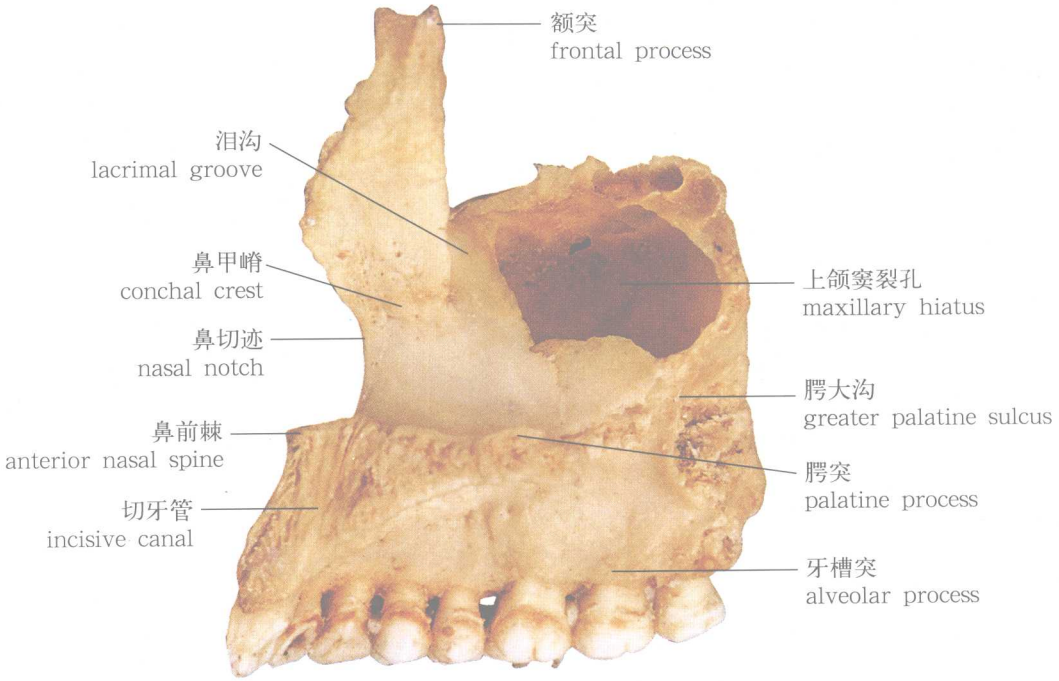


图 34　上颌骨（内侧面观）

The maxilla (medial aspect)

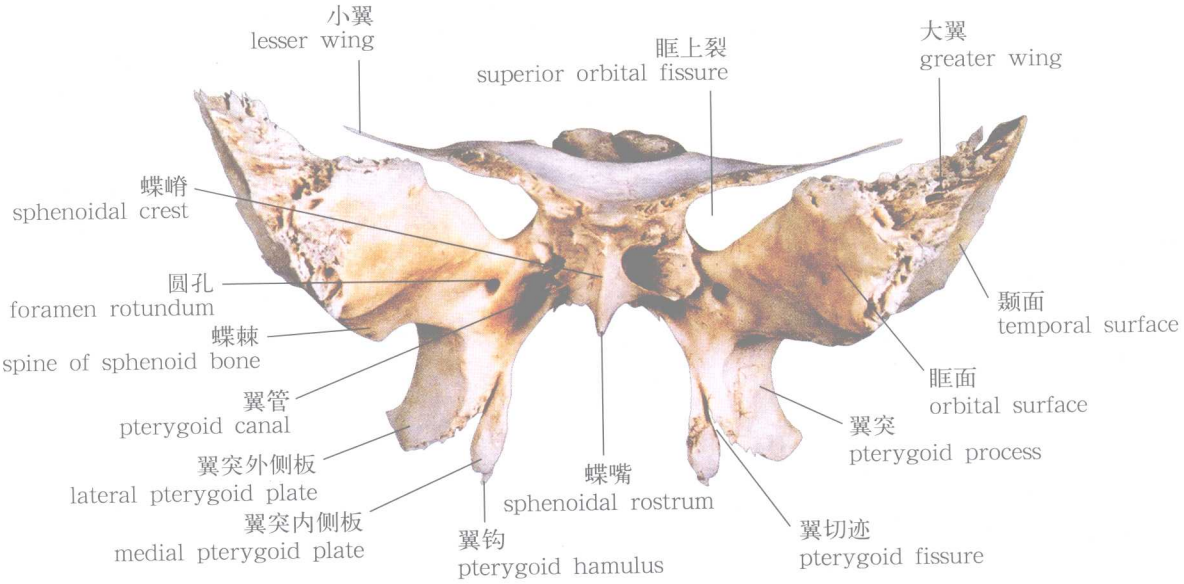


图 35　蝶骨（前面观）

The sphenoid bone (anterior aspect)

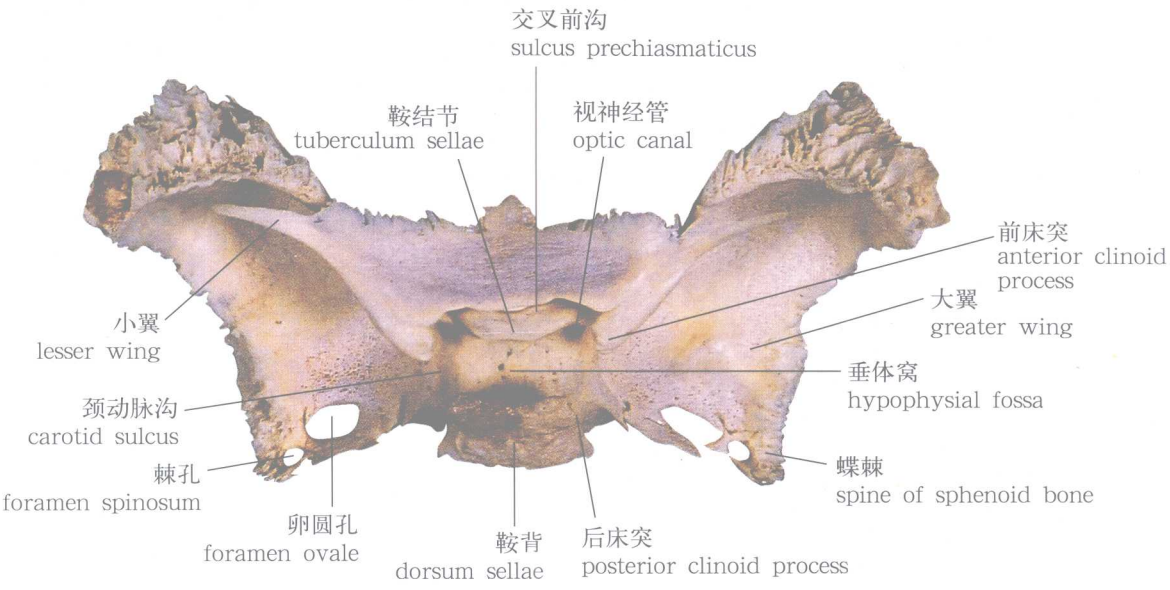


图 36 蝶骨（上面观）

The sphenoid bone (superior aspect)

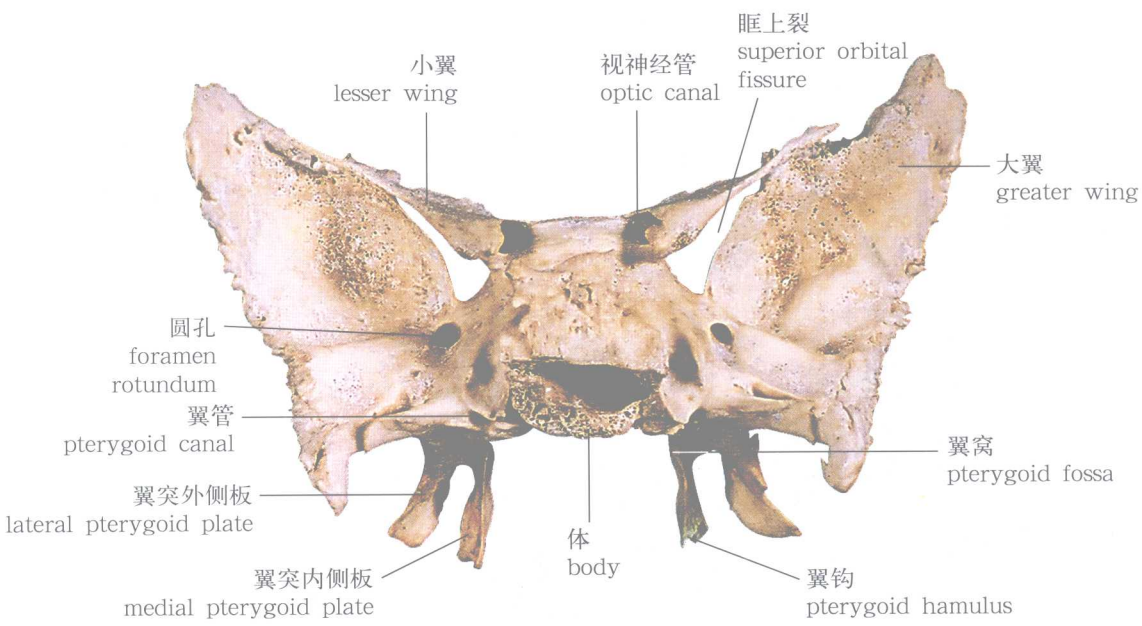


图 37 蝶骨（后面观）

The sphenoid bone (posterior aspect)

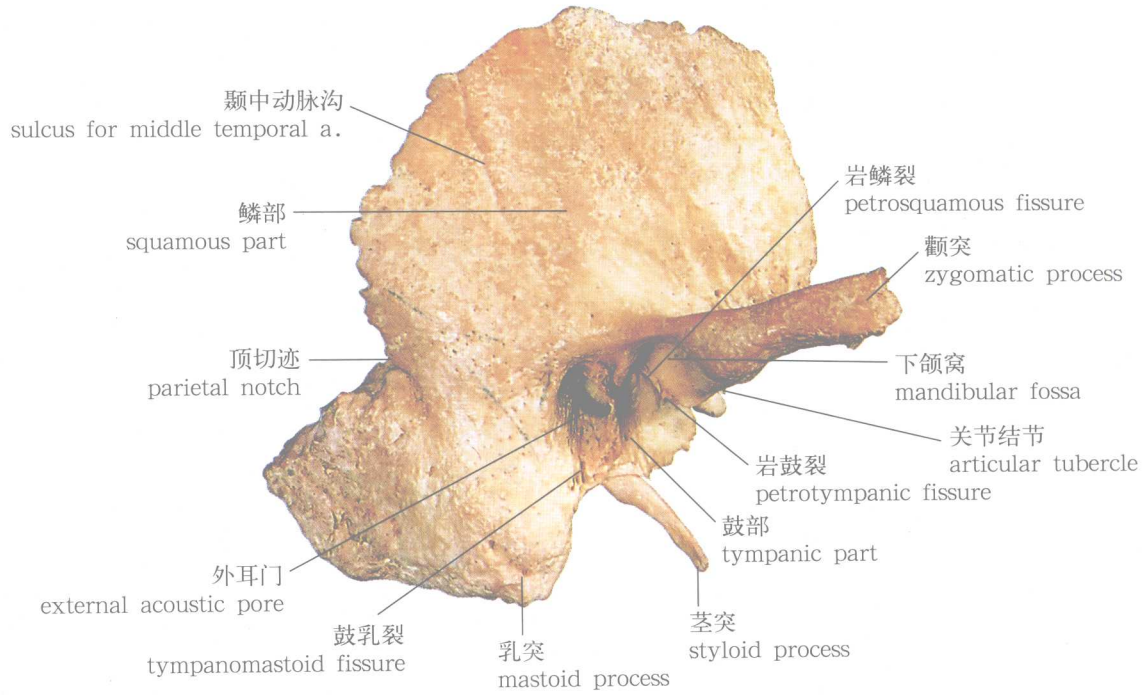


图 38 颞骨（外面观）

The temporal bone (external aspect)

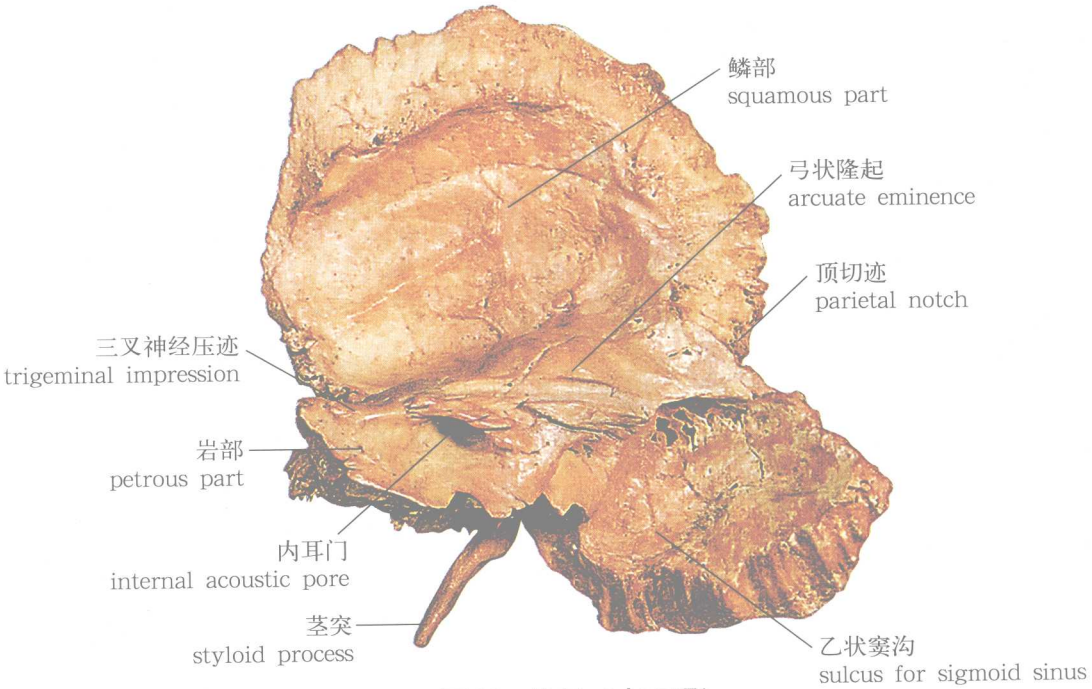


图 39 颞骨（内面观）

The temporal bone (internal aspect)

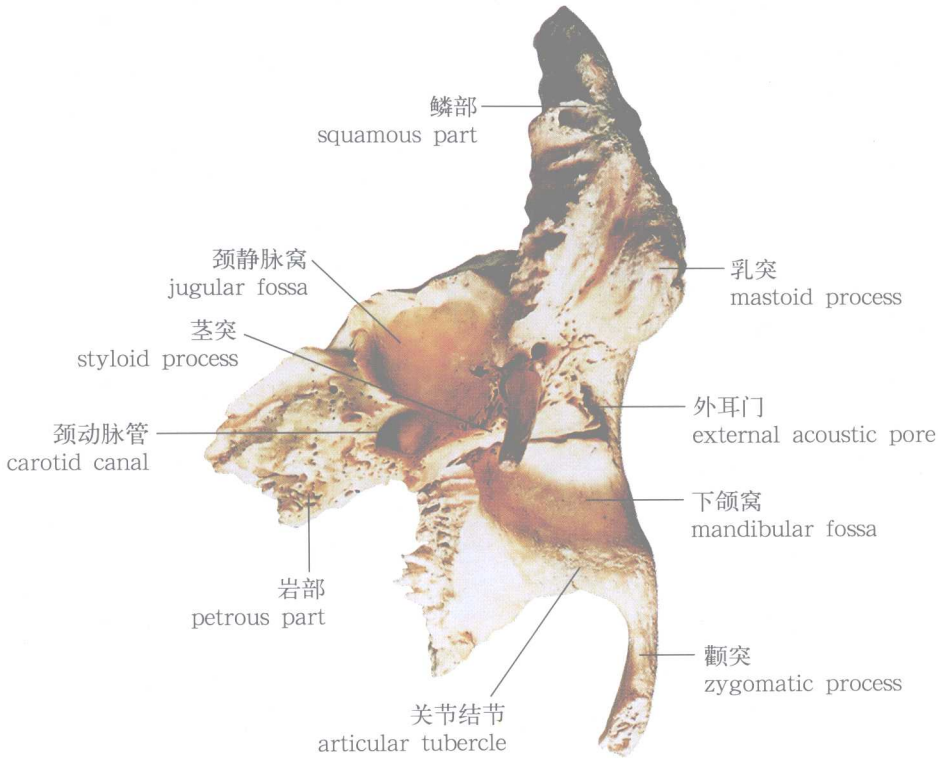


图 40　颞骨（下面观）

The temporal bone (inferior aspect)

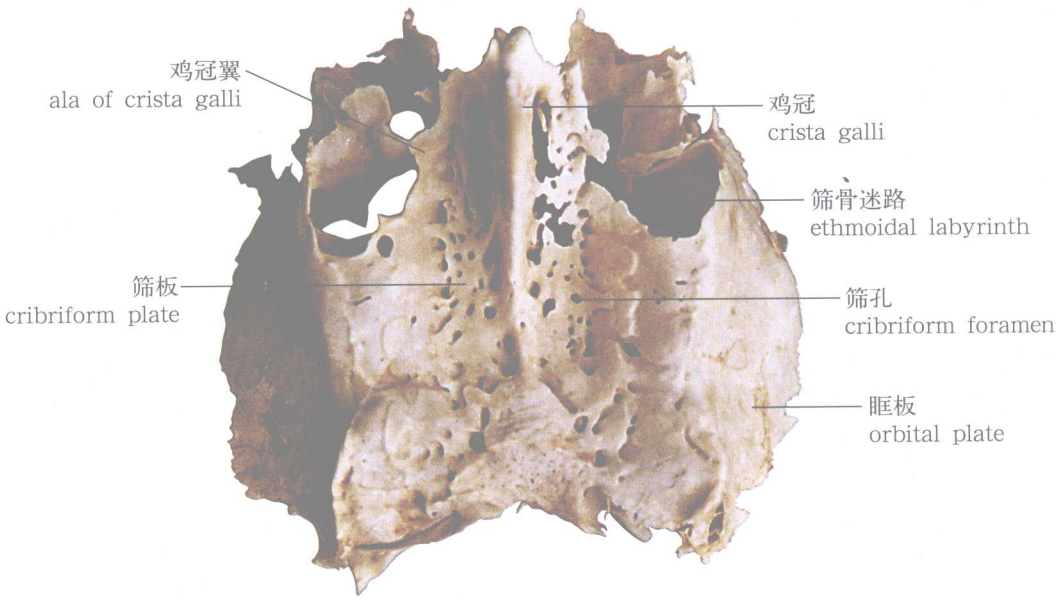


图 41　筛骨（上面观）

The ethmoid bone (superior aspect)

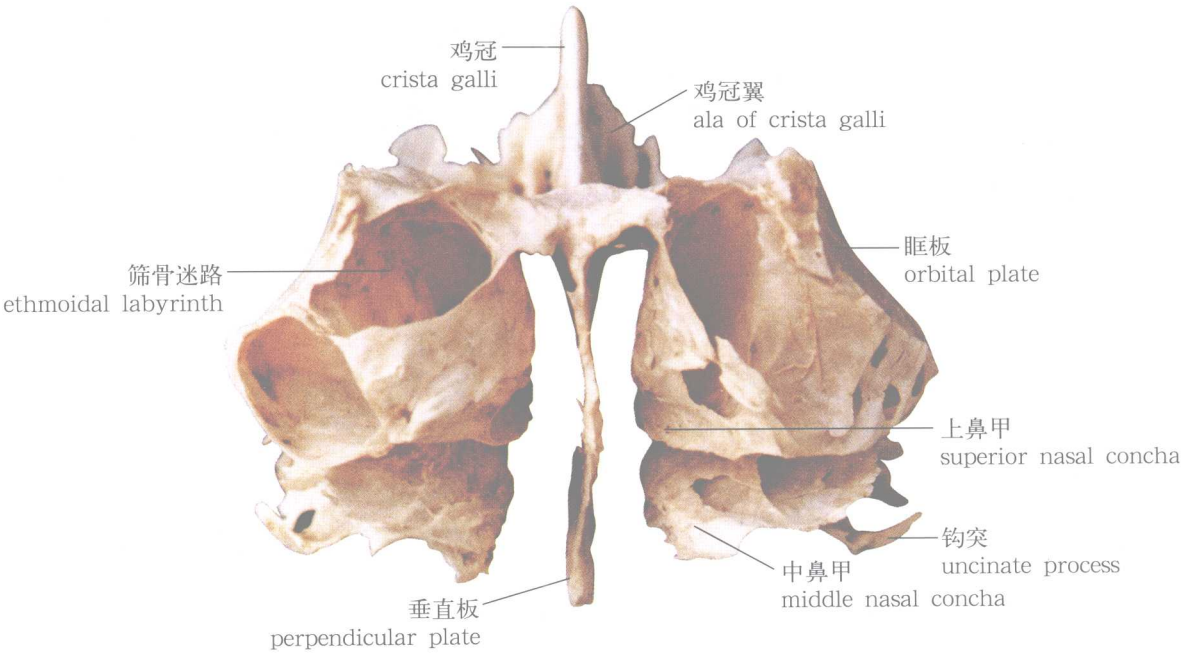


图 42　筛骨（后面观）

The ethmoid bone (posterior aspect)

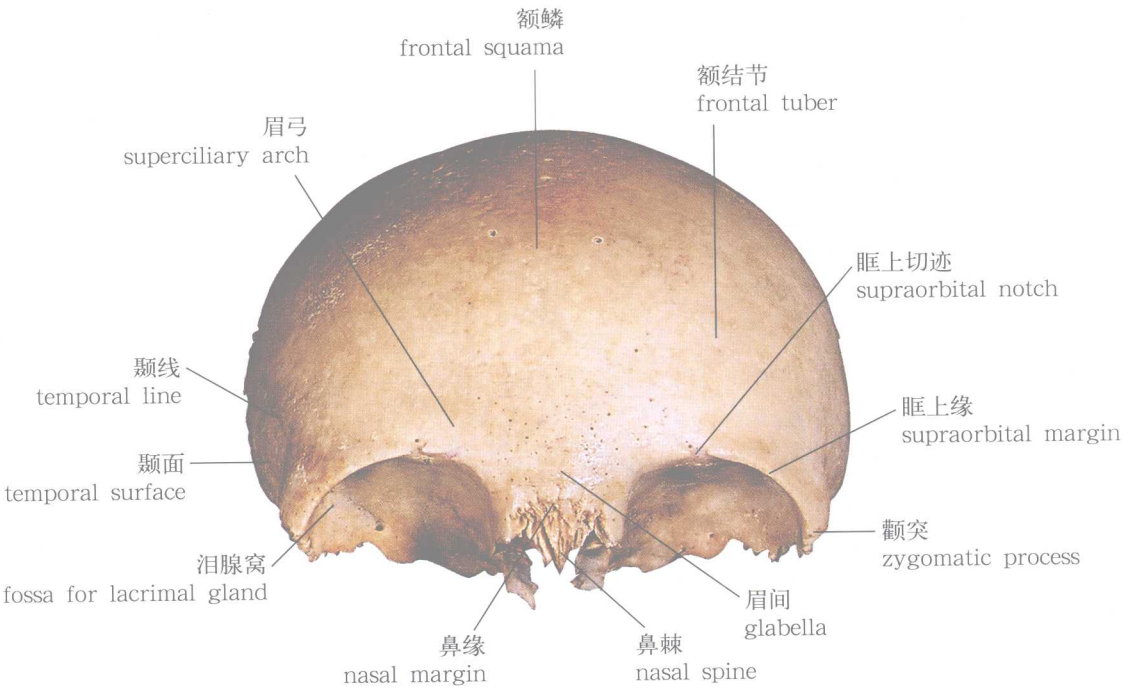


图 43　额骨（前面观）

The frontal bone (anterior aspect)

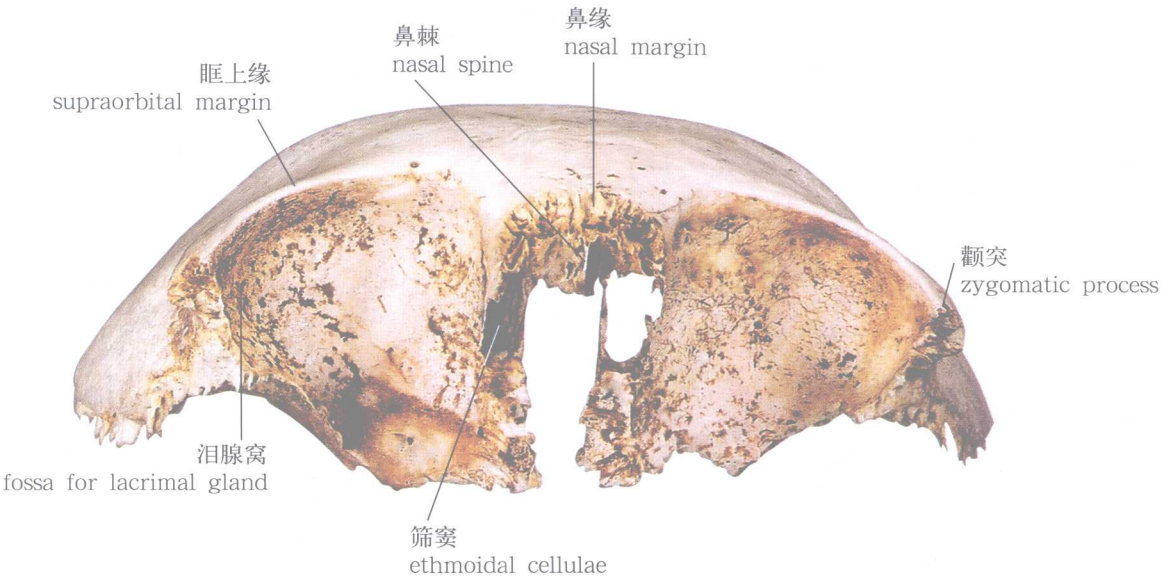


图 44　额骨（内面观）

The frontal bone (internal aspect)

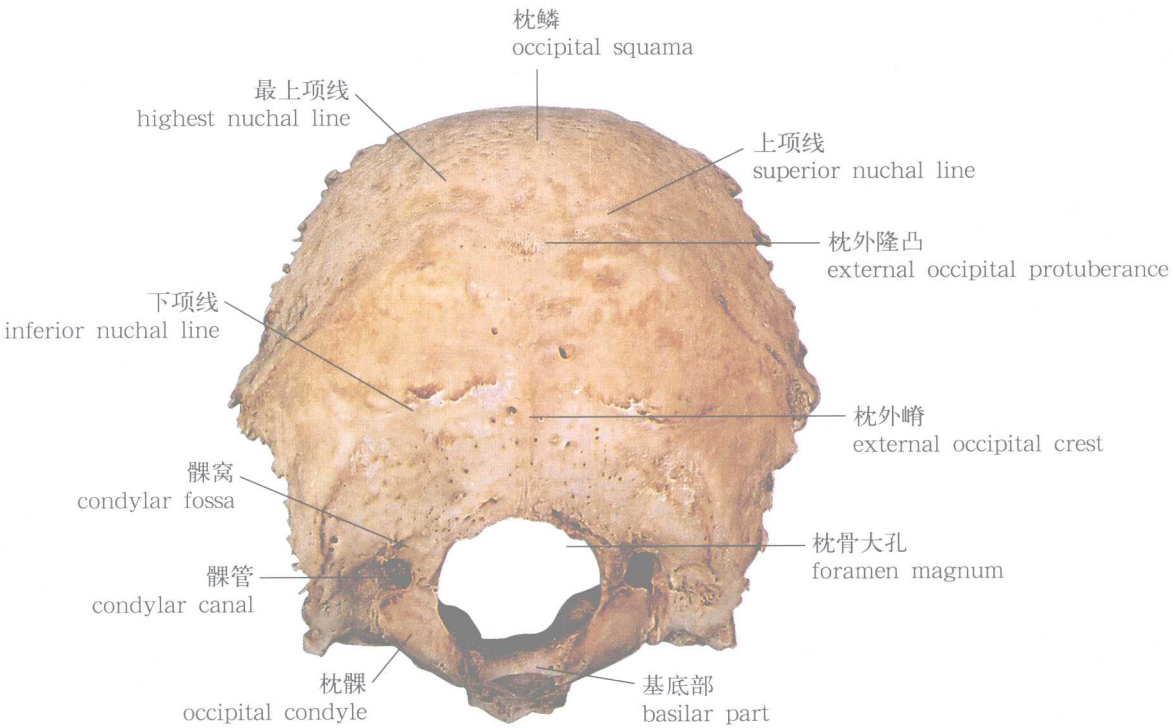


图 45　枕骨（外面观）

The occipital bone (external aspect)

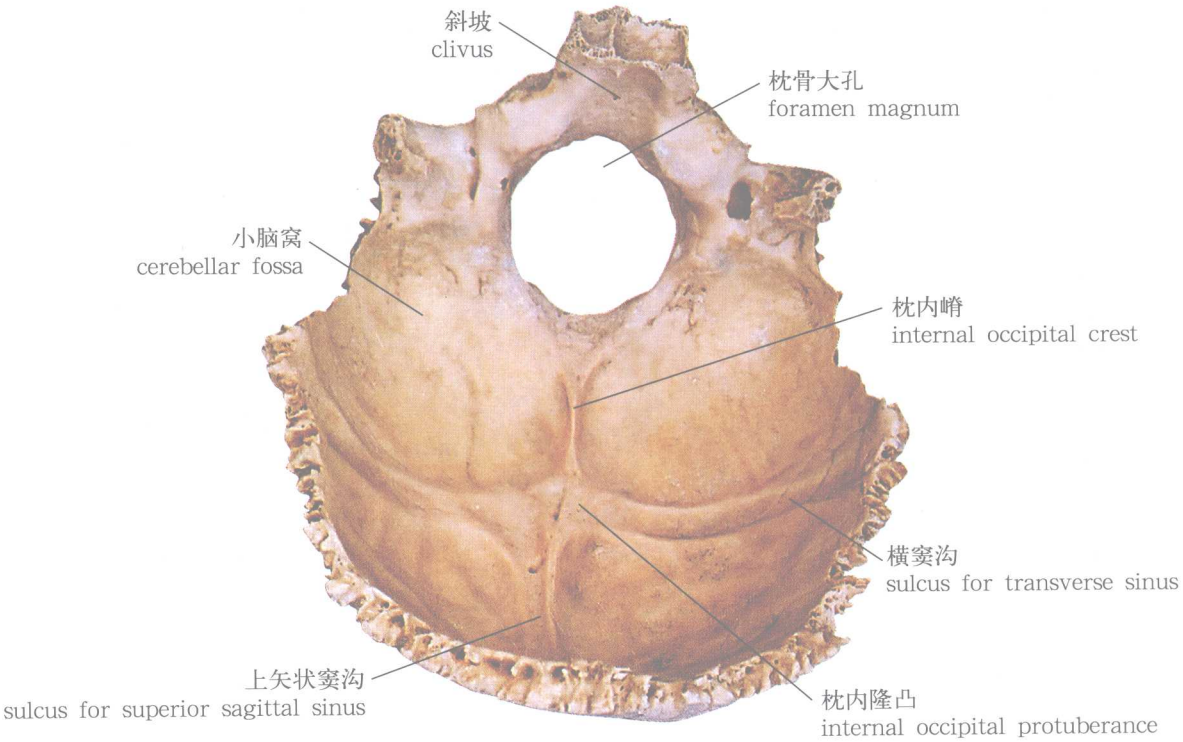


图 46　枕骨（内面观）

The occipital bone (internal aspect)

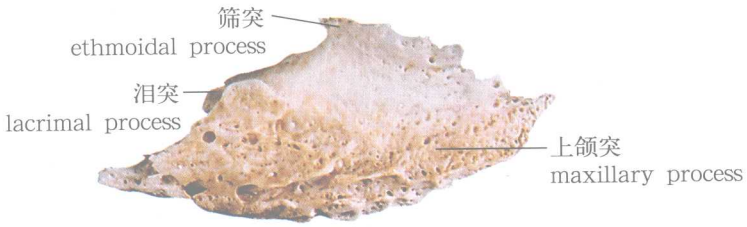


图 47　下鼻甲（内侧面观）

The inferior nasal concha (internal aspect)

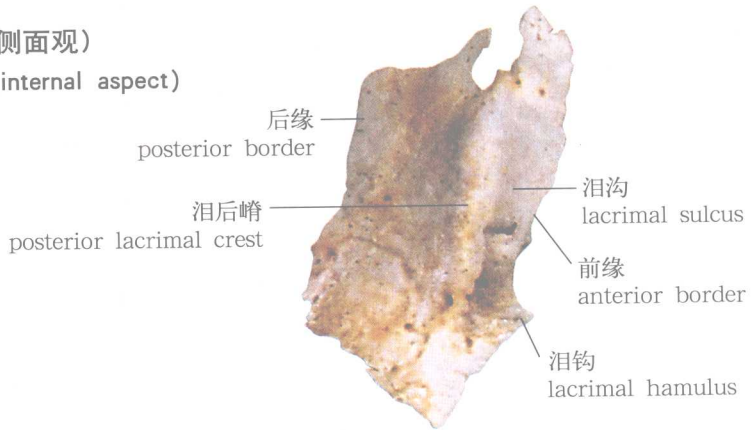


图 48　泪骨（前面观）

The lacrimal bone (anterior aspect)

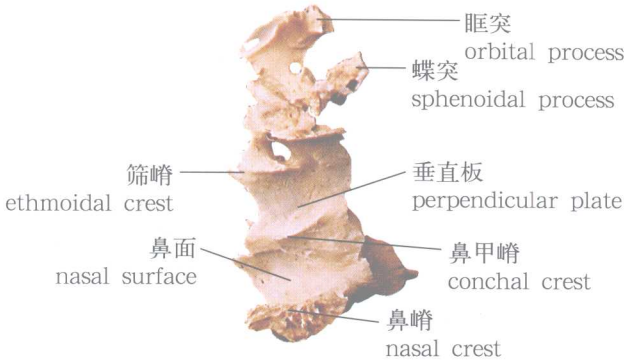


图 49　腭骨（内侧面观）

The palatine bone (medial aspect)

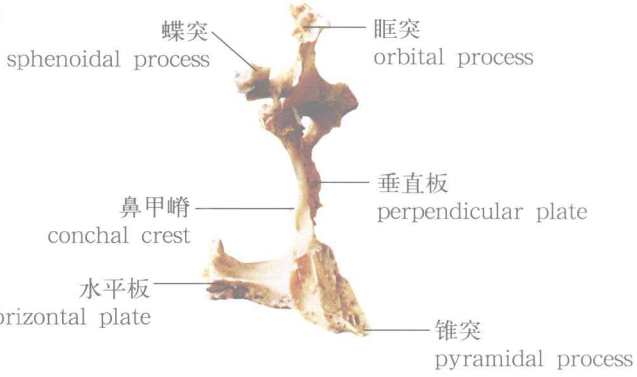


图 50　腭骨（后面观）

The palatine bone (posterior aspect)

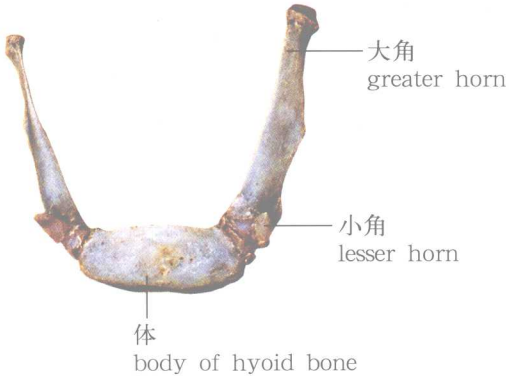


图 51　舌骨（上面观）

The hyoid bone (superior aspect)

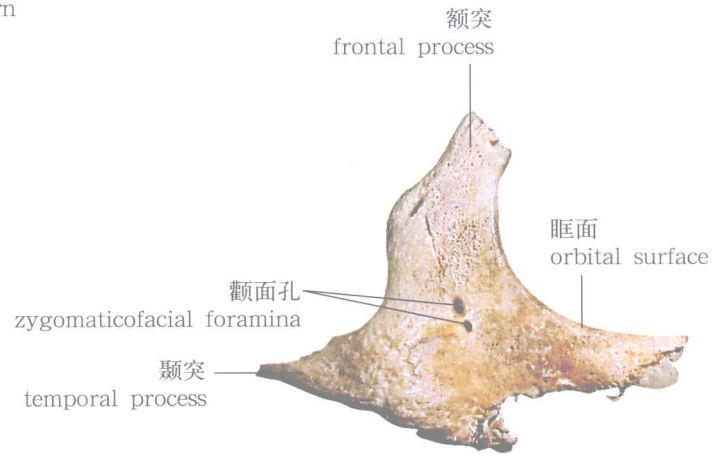


图 52　颧骨（外侧面观）

The zygomatic bone (lateral aspect)

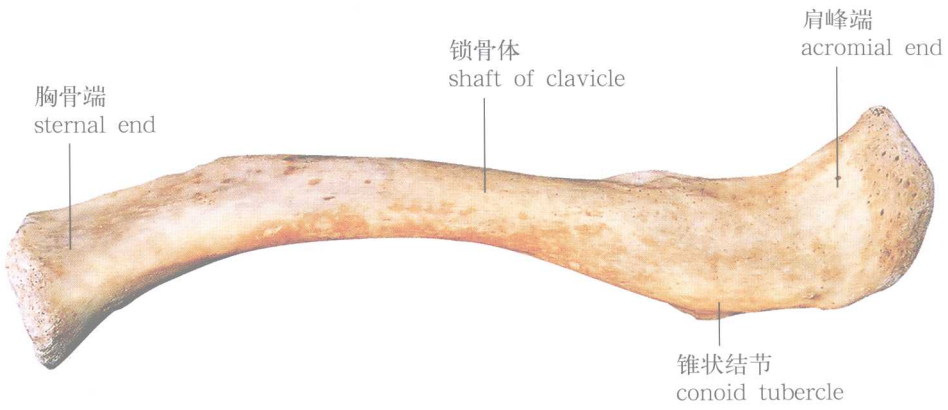


图 53　锁骨（上面观）

The clavicle (superior aspect)



锁 骨

锁骨弯曲呈“S”，横列胸骨上两边，
内端粗接胸骨柄，外端扁平肩峰连。



图 54　锁骨（下面观）

The clavicle (inferior aspect)



肩胛骨

肩胛骨呈三角扁，
三缘三角前后面，
外侧角厚关节盂，
上缘短薄外喙厚，
后面横嵴肩胛冈，
斜过冈上下窝间，
肩胛冈外肩峰突，
肩胛下窝在前面。

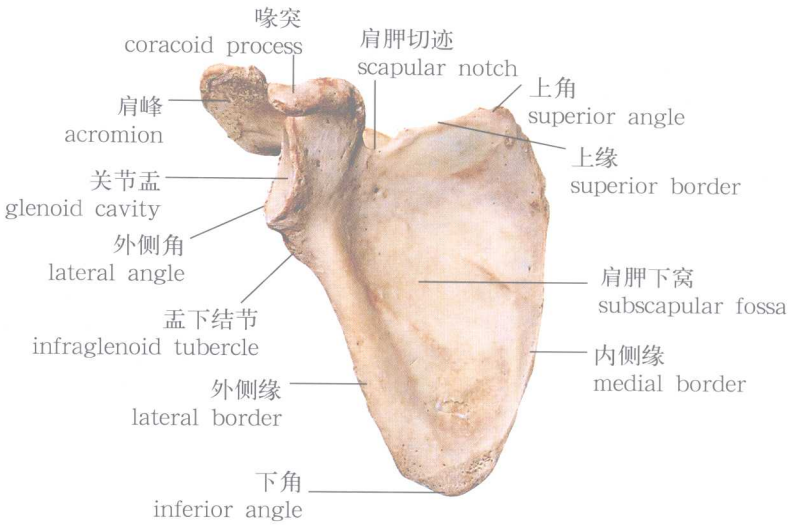


图 55　肩胛骨（前面观）

The scapula (anterior aspect)

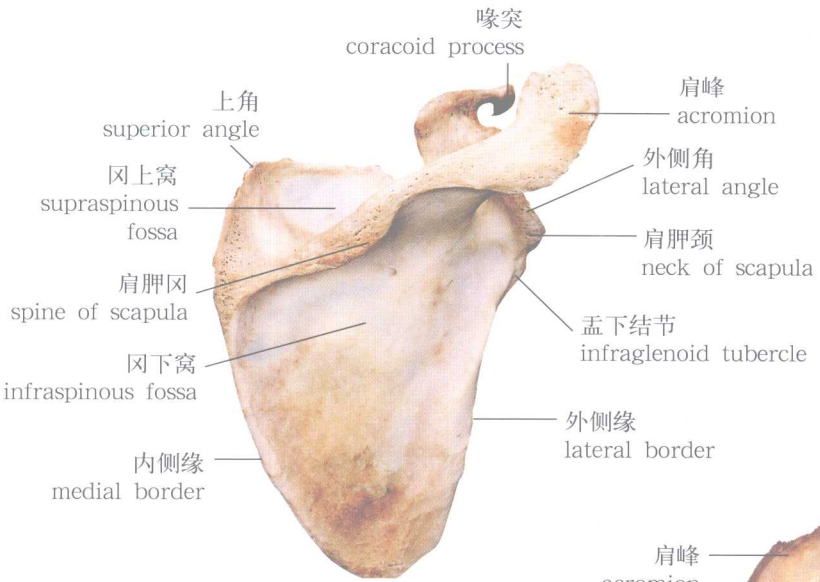


图 56　肩胛骨（后面观）

The scapula (posterior aspect)

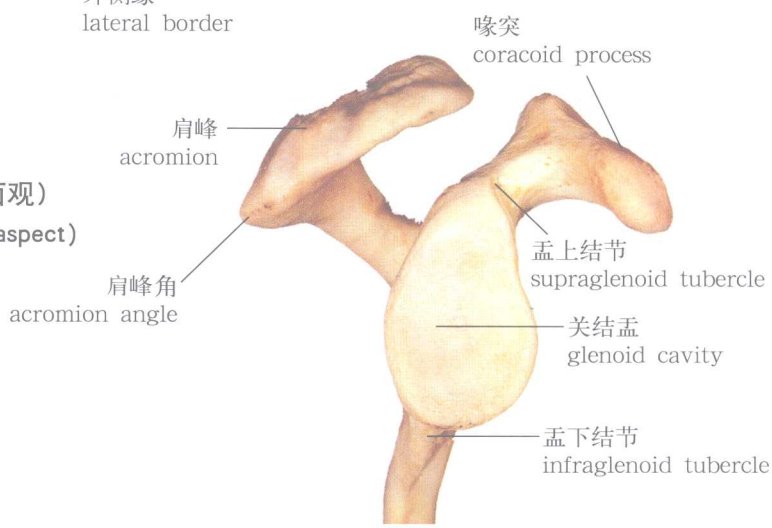


图 57　肩胛骨（外侧面观）

The scapula (lateral aspect)

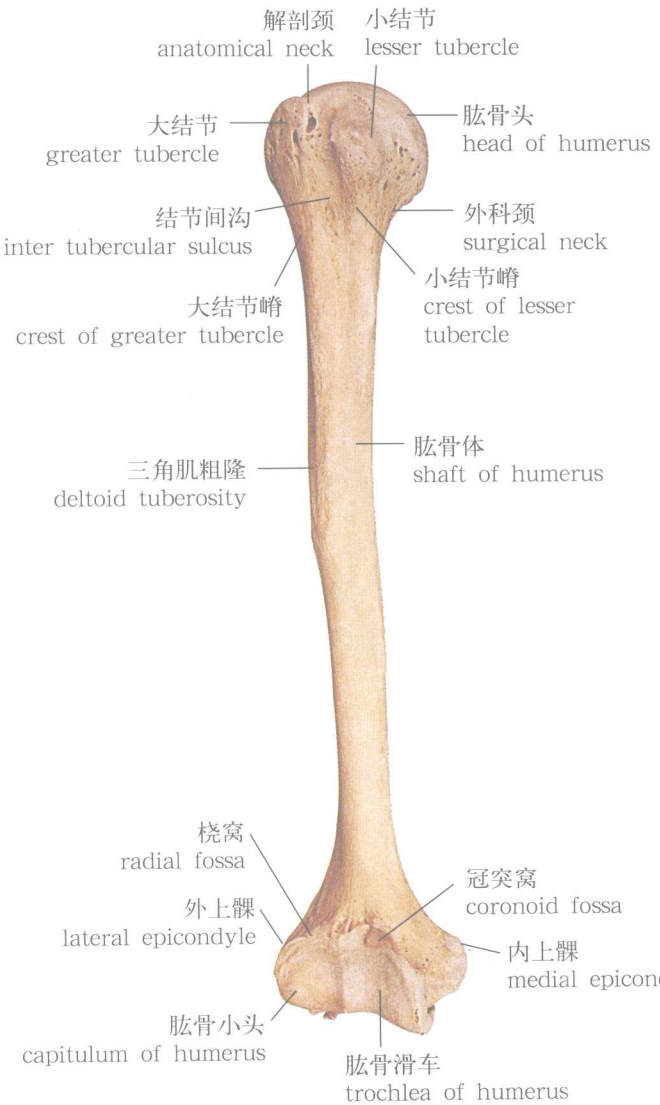


图 58　肱骨（前面观）

The humerus (anterior aspect)



图 59　肱骨（后面观）

The humerus (posterior aspect)

肱　骨

解剖外科颈和头，
大小结节嵴间沟，
滑车小头两上髁，
再加一沟和三窝。

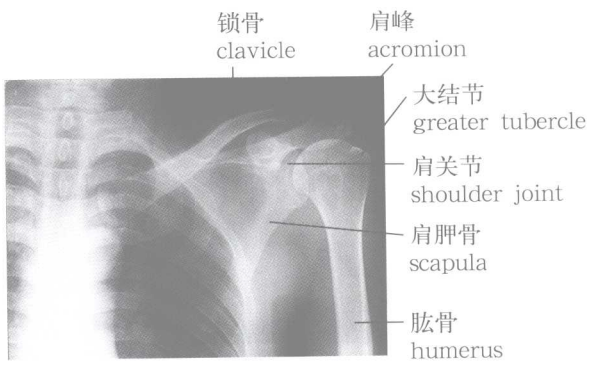


图 60　肩 X 线图像（正位）

Radiograph of the shoulder (anterior aspect)

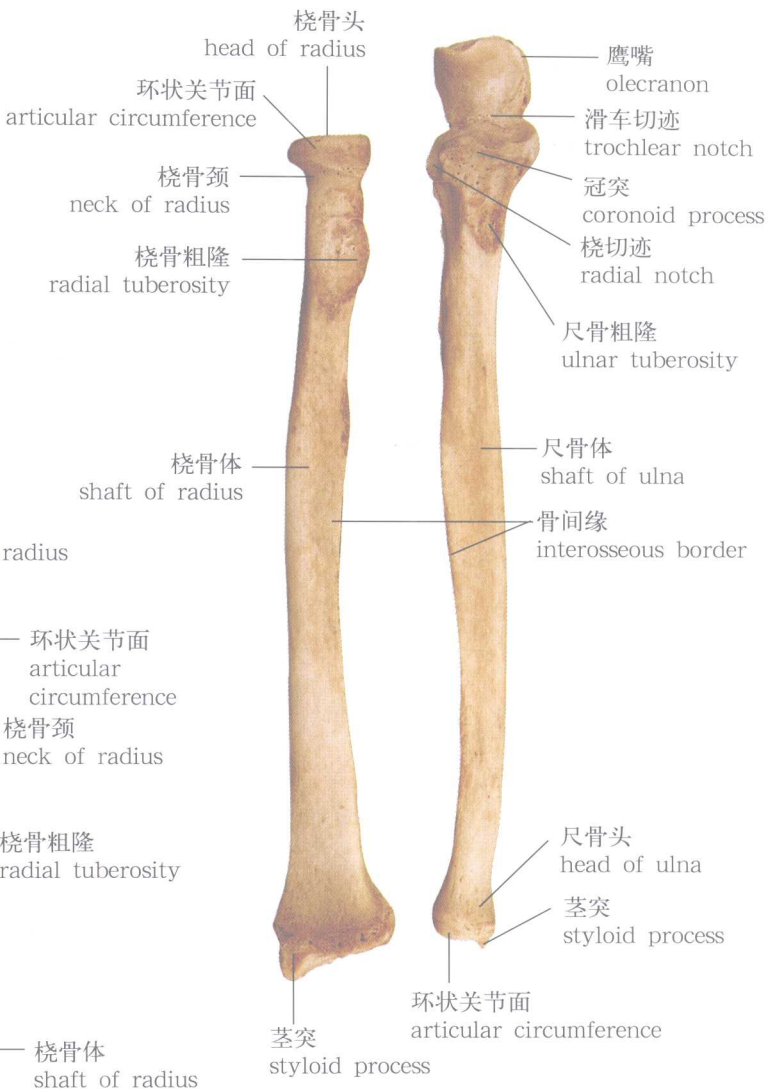


图 61　桡骨和尺骨（前面观）

The radius and ulna (anterior aspect)

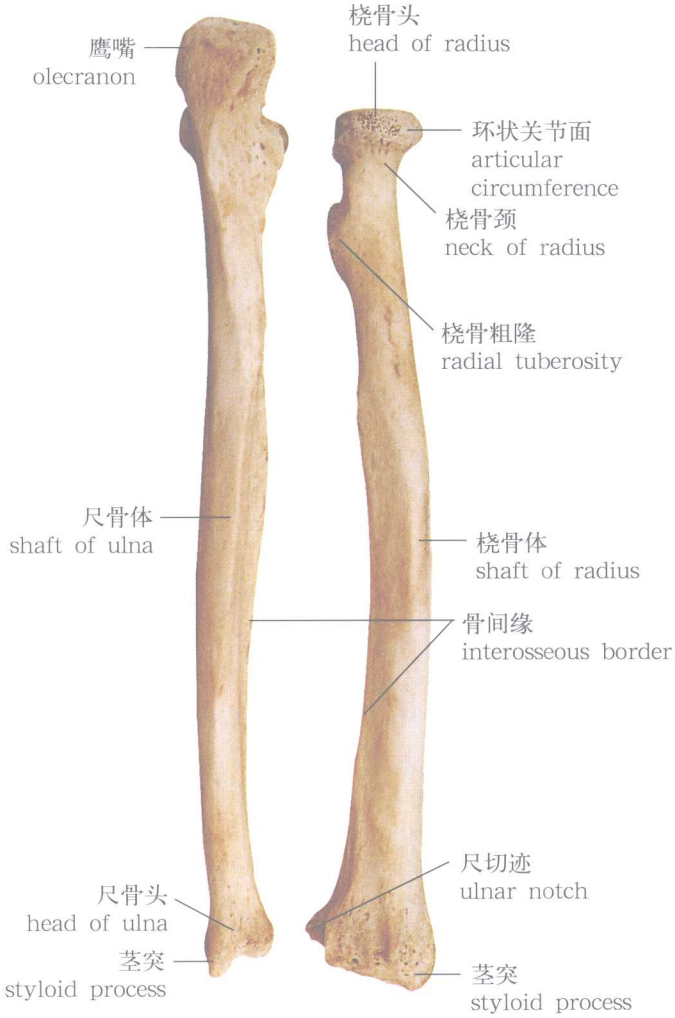


图 62　桡骨和尺骨（后面观）

The radius and ulna (posterior aspect)

尺　骨

鹰嘴冠突两切迹，
尺骨粗隆尺骨体，
下头茎突环状面，
与桡茎突不齐平。

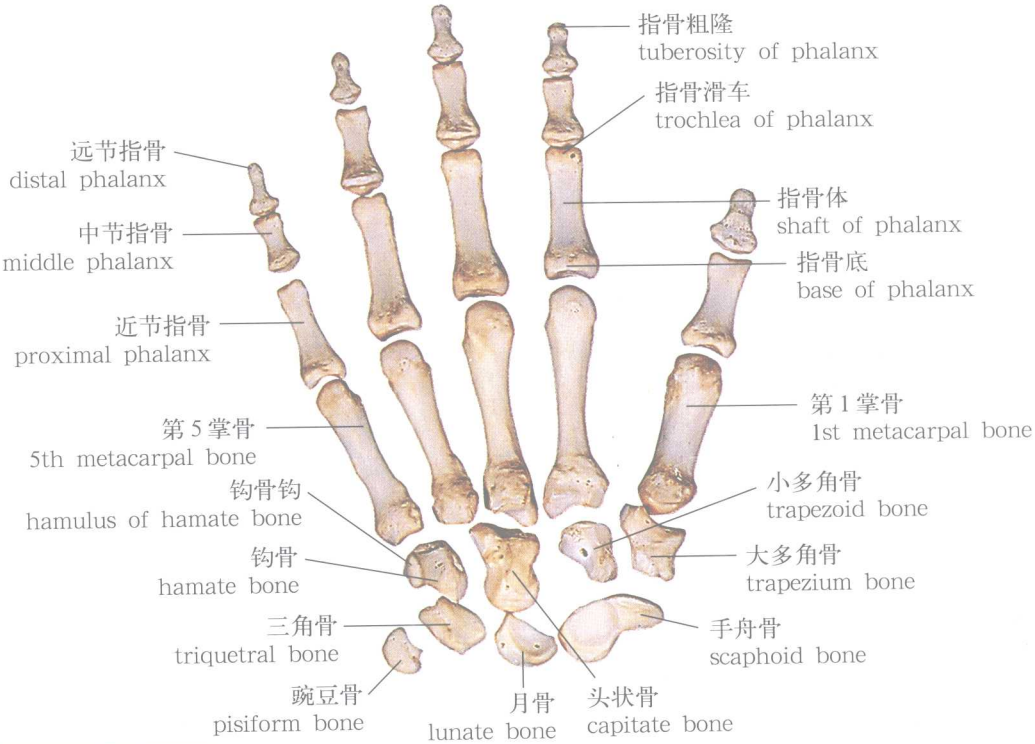


图63 手骨（掌侧面）

Bones of the hand (palmar aspect)



手 骨

舟月三角豆，大小头沟，掌侧形成腕骨沟，骨折先查月和舟。

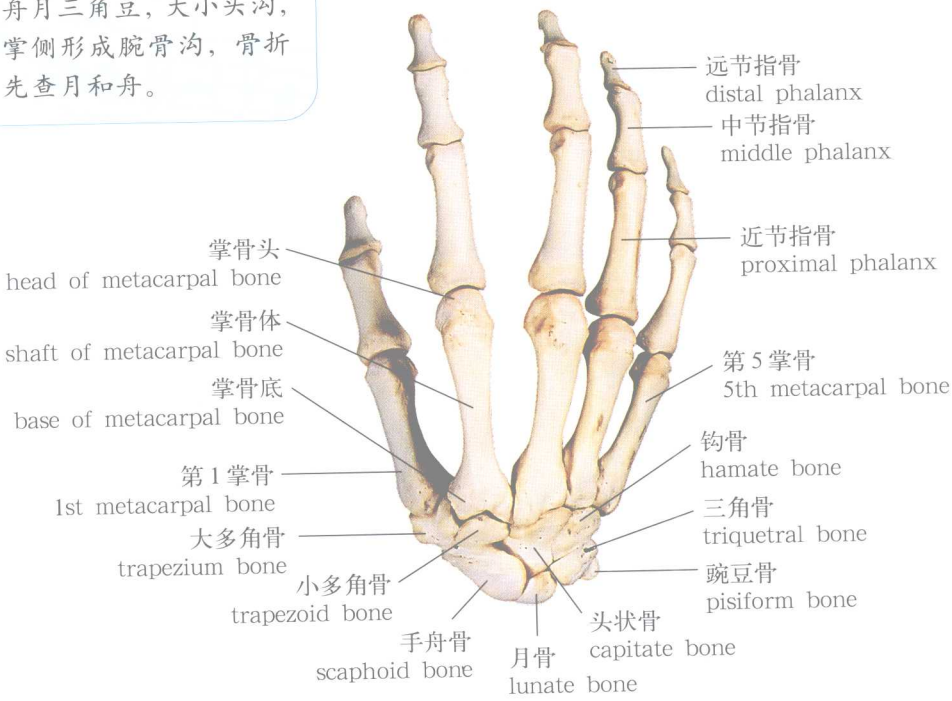


图64 手骨（背侧面）

Bones of the hand (dorsal aspect)

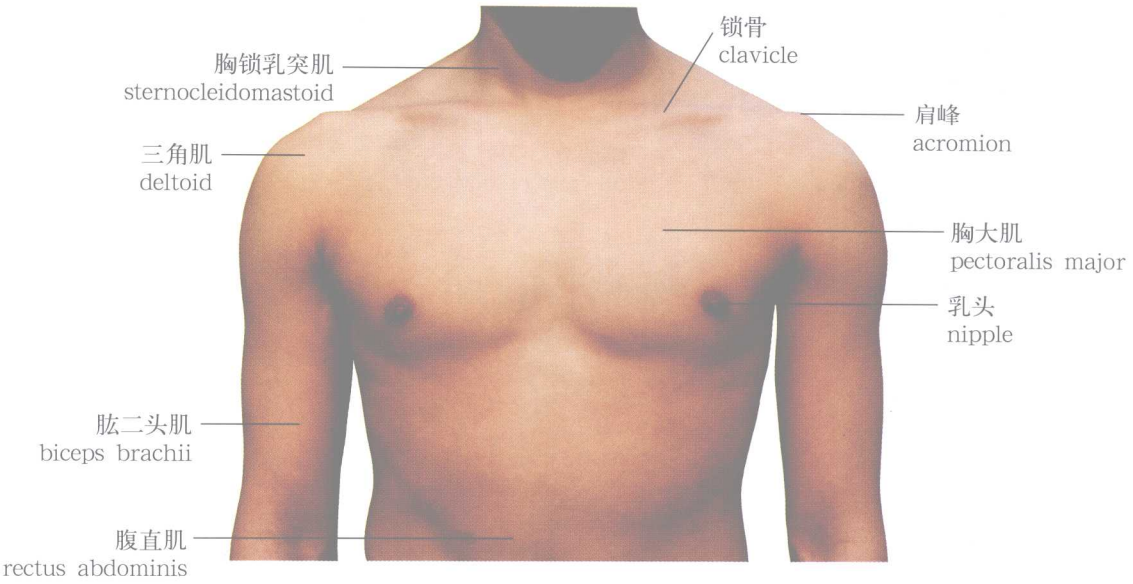


图 65　上半身体表标志（前面观）

Surface markings of the human (anterior aspect)

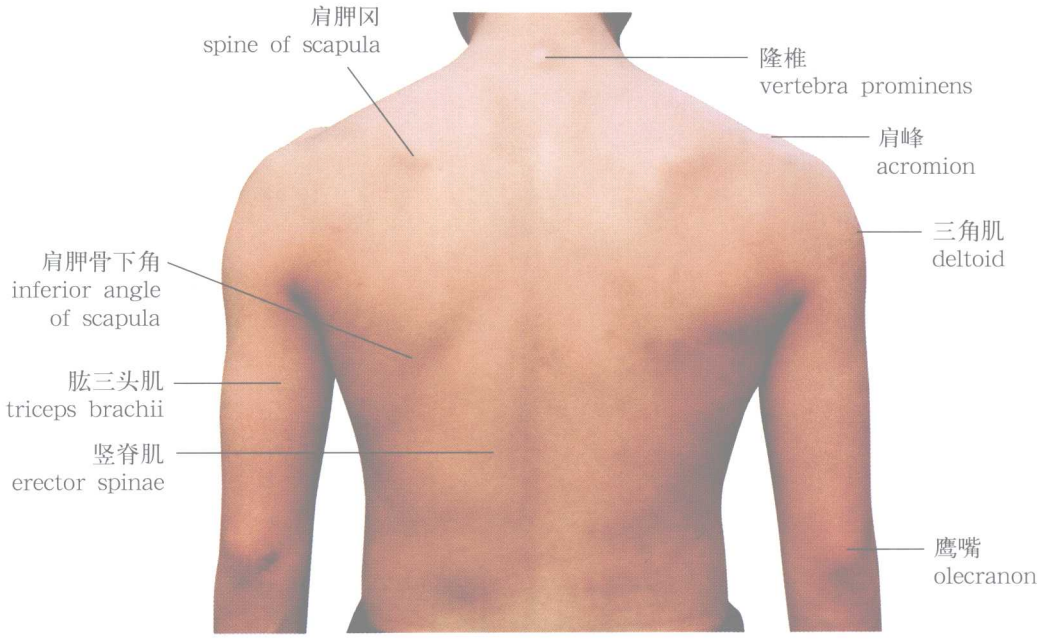


图 66　上半身体表标志（后面观）

Surface markings of the human (posterior aspect)

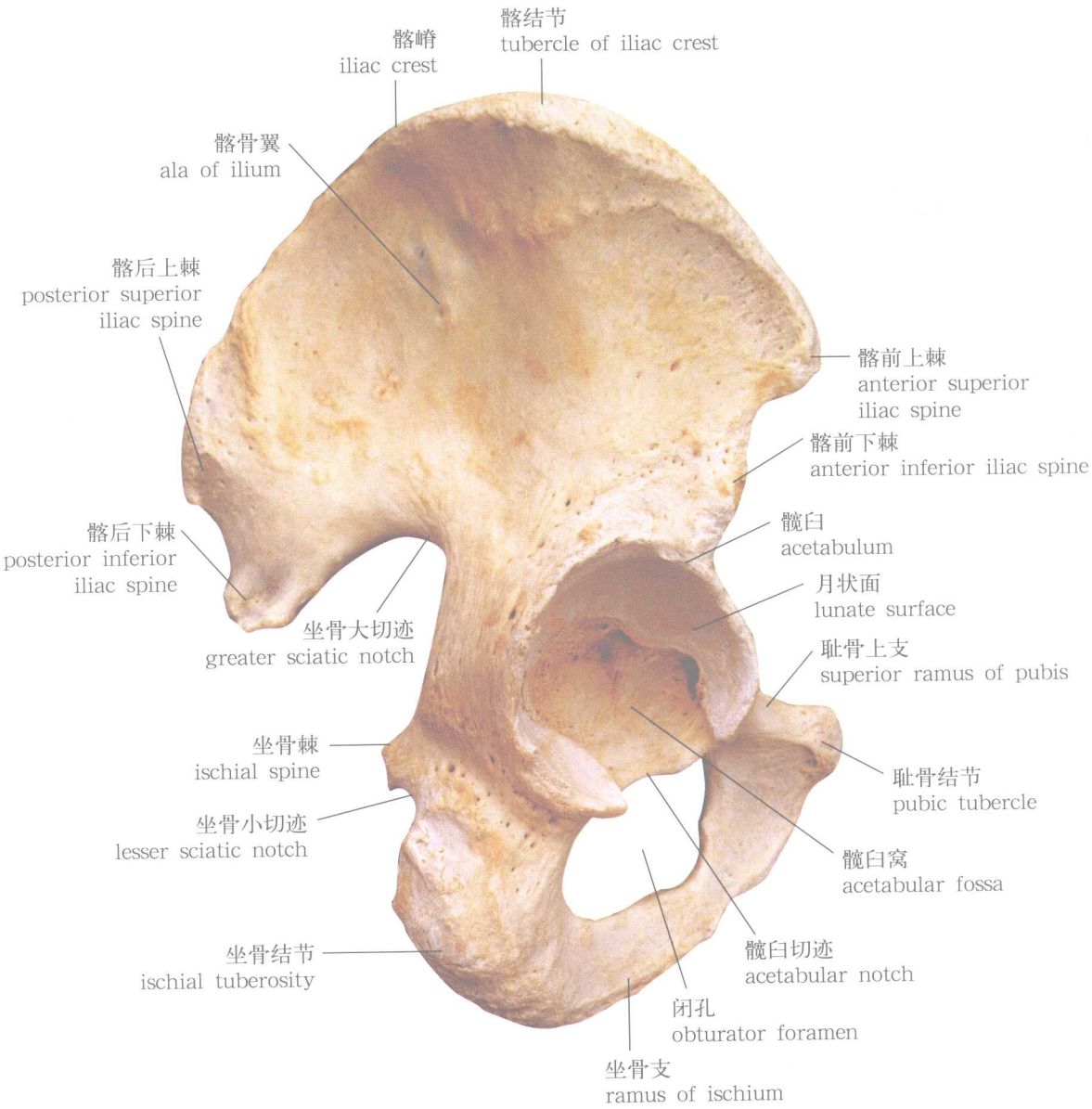


图 67　髋骨（外面观）

The hip bone (external aspect)

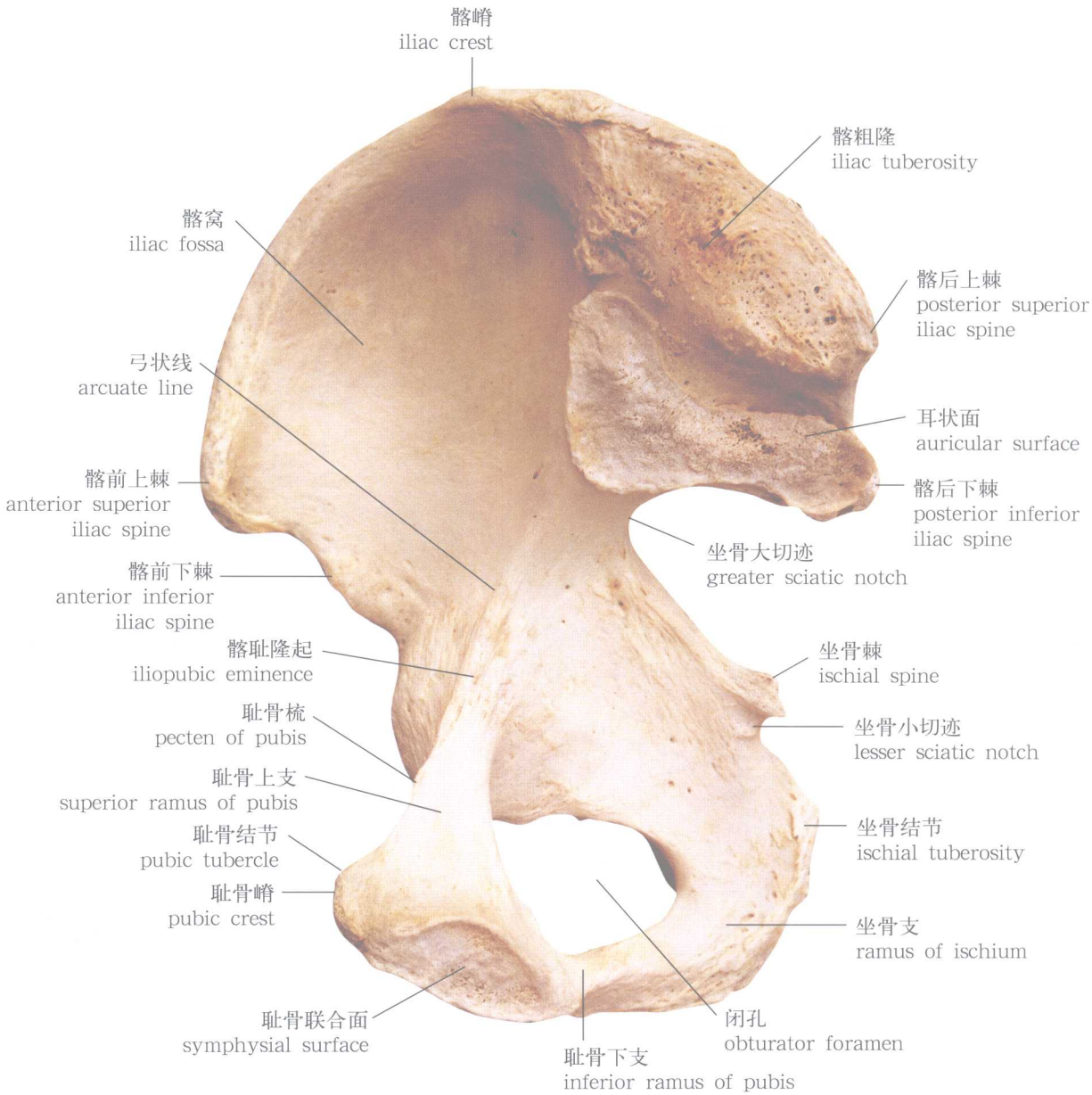


图 68　髋骨（内面观）

The hip bone (internal aspect)

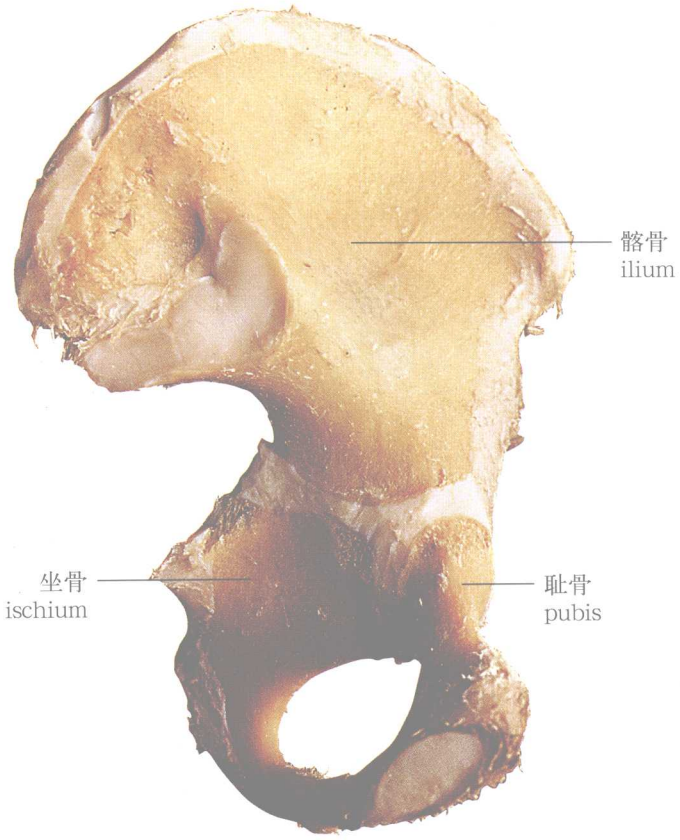


图 69　儿童髋骨（内面观）

Hip bone of the child (internal aspect)

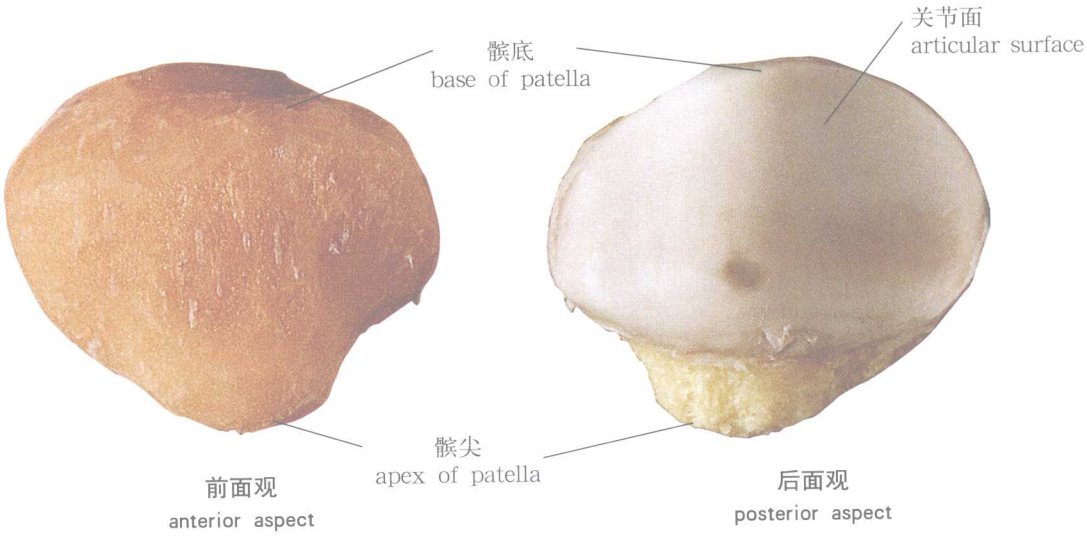


图 70　髌骨

The patella

股　骨

股骨头凹股骨颈，大小转子嵴与线，
臀肌粗隆耻肌线，粗线分叉夹腘面，
收肌结节两上髁，二髁间窝与髌面。

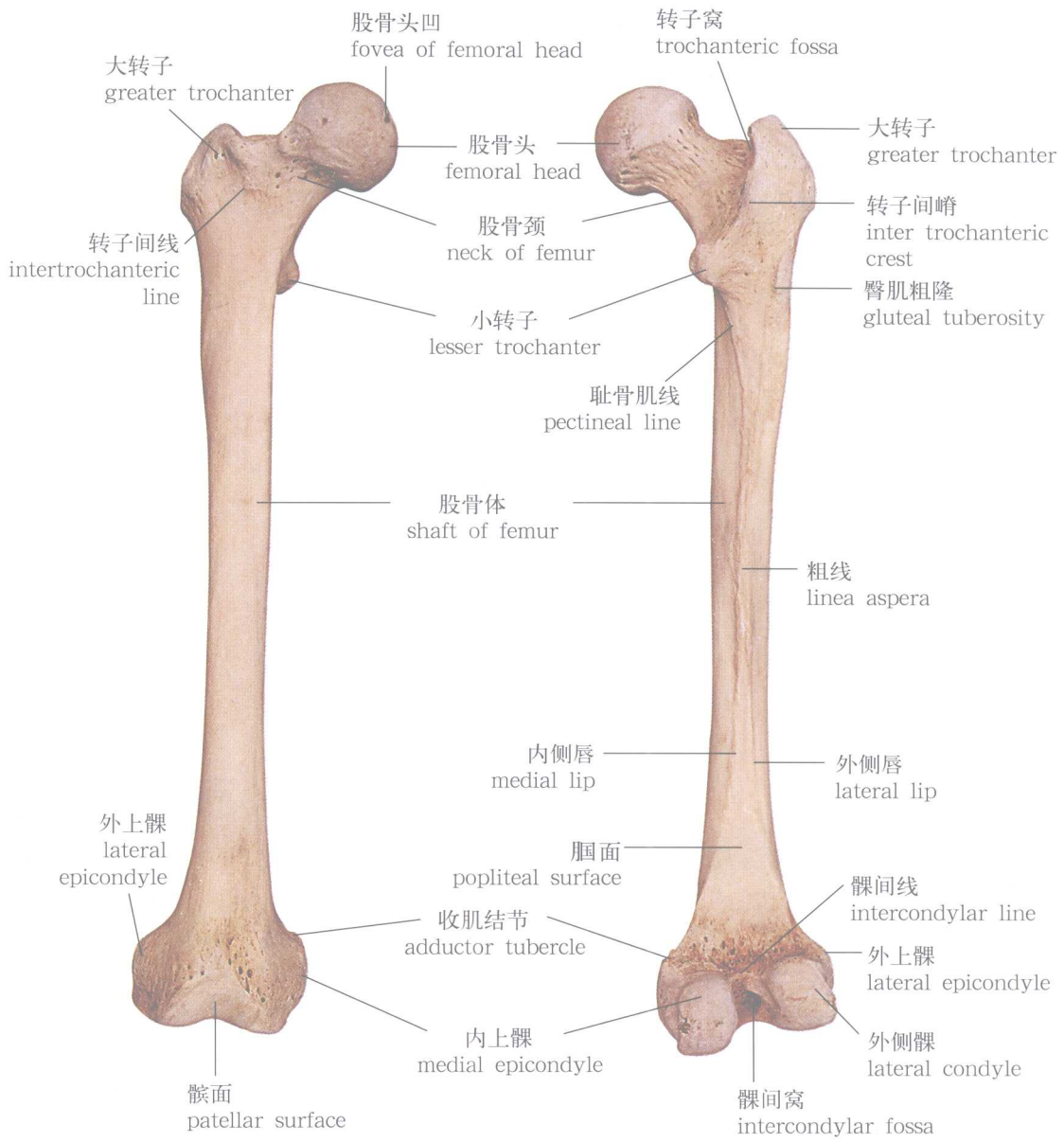


图 71　股骨（前面观）
The femur (anterior aspect)

图 72　股骨（后面观）
The femur (posterior aspect)

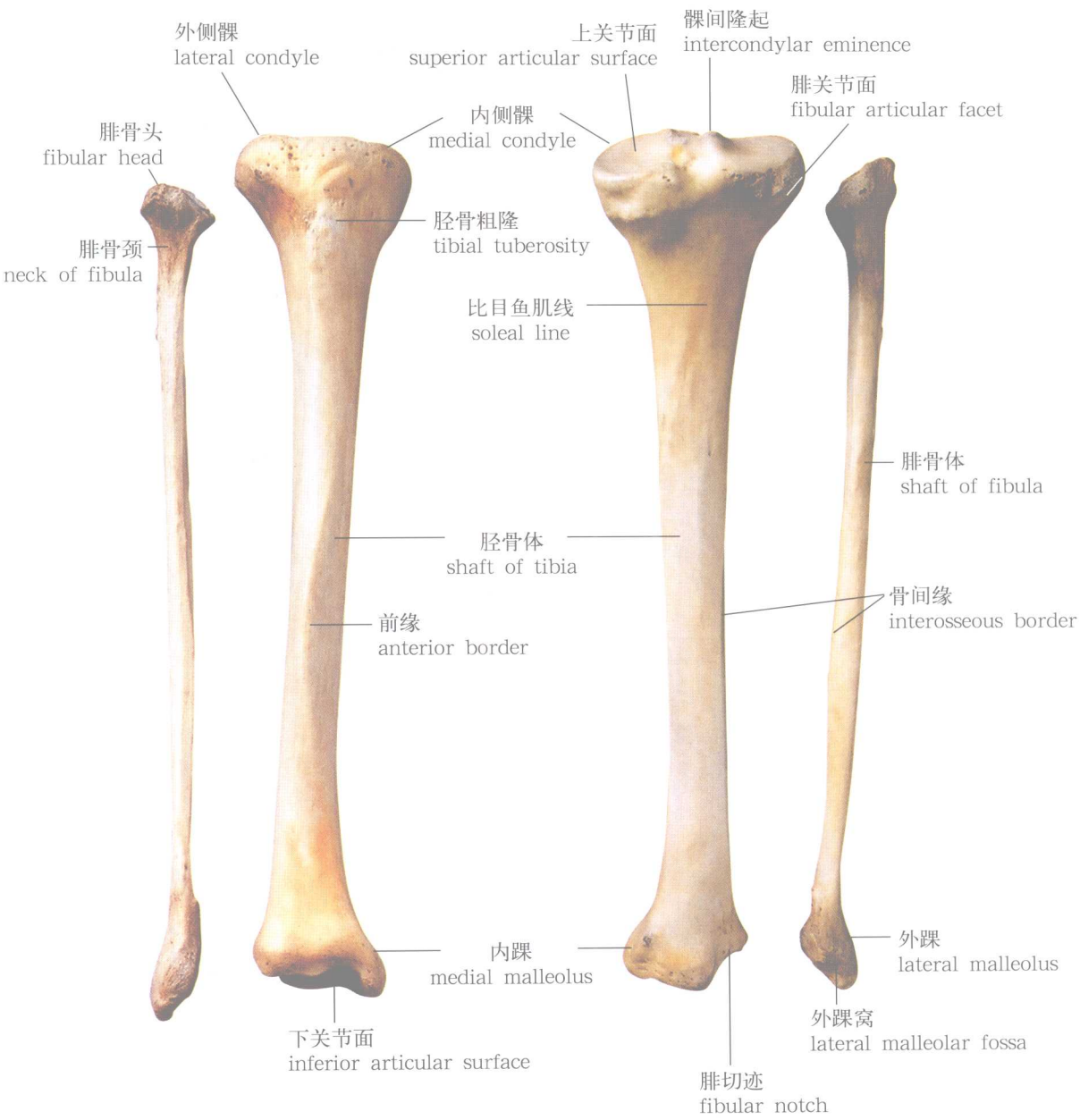


图 73　胫骨和腓骨（前面观）
The tibia and fibula (anterior aspect)

图 74　胫骨和腓骨（后面观）
The tibia and fibula (posterior aspect)

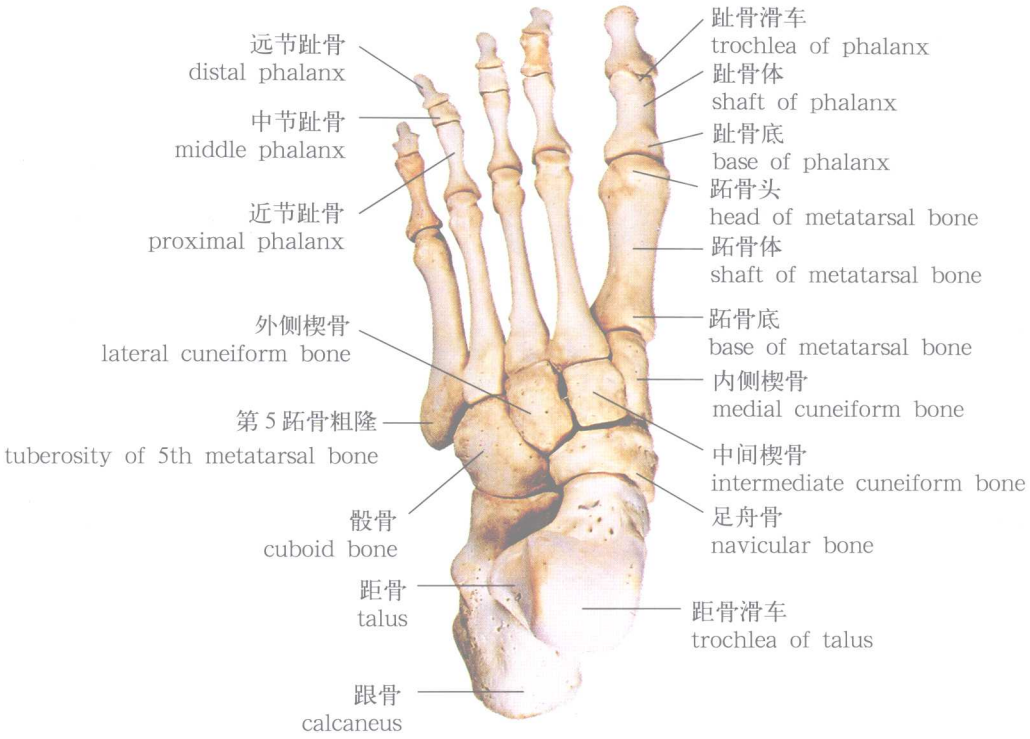


图 75　足骨（上面观）

Bones of the foot (superior aspect)

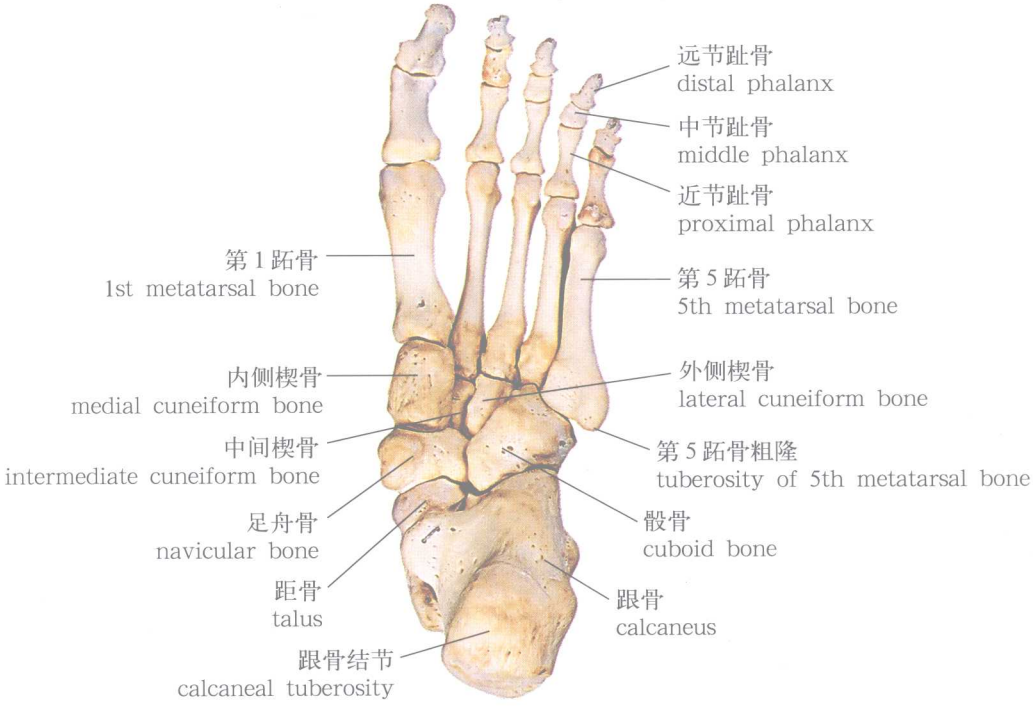


图 76　足骨（下面观）

Bones of the foot (inferior aspect)

第2章

运动系统——关节

LOCOMOTOR SYSTEM —— JOINT

Chapter 2



图 77　椎骨间的连结（前面观）
The intervertebral joints (anterior aspect)

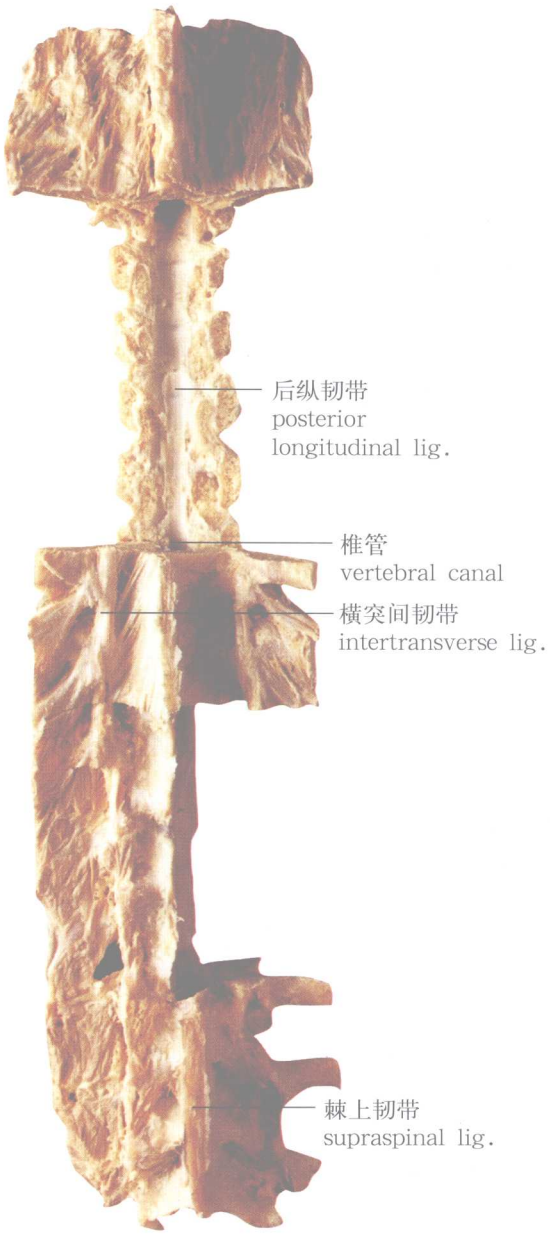


图 78　椎骨间的连结（后面观）
The intervertebral joints (posterior aspect)

椎骨间的连接

颈七体小棘分叉，胸椎十二有肋凹，
腰五体大棘平扁，骶尾各一纵相连。

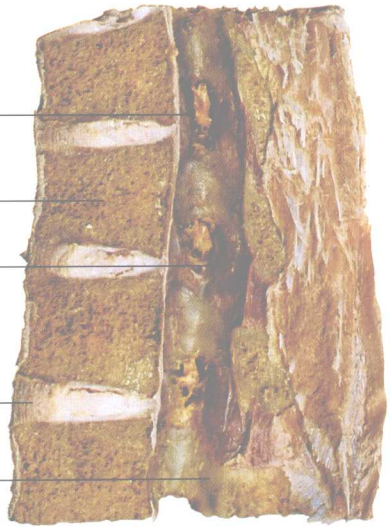
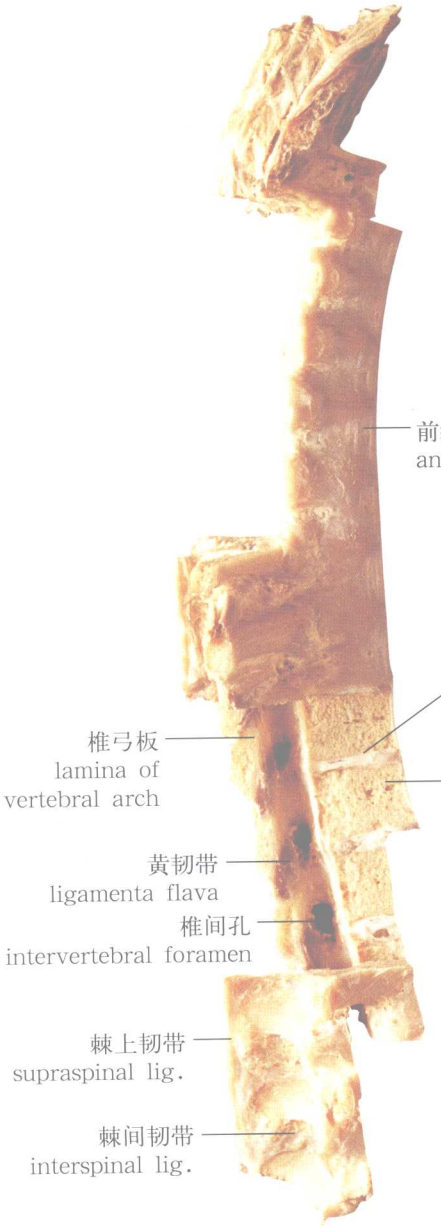


图 80　椎骨间的连结（矢状面）
The intervertebral joints (sagittal plane)



椎骨间的连接

椎体椎弓前后连，椎孔居中两者间，
椎孔相连成椎管，脊髓马尾藏里边，
弓连体处椎弓根，椎弓根后椎弓板，
椎弓两侧横突二，椎弓板后棘突单，
关节突四分上下，各居椎弓上下缘，
椎管侧通椎间孔，成于上下切迹间。

图 79　椎骨间的连结（外侧面观）
The intervertebral joints (lateral aspect)

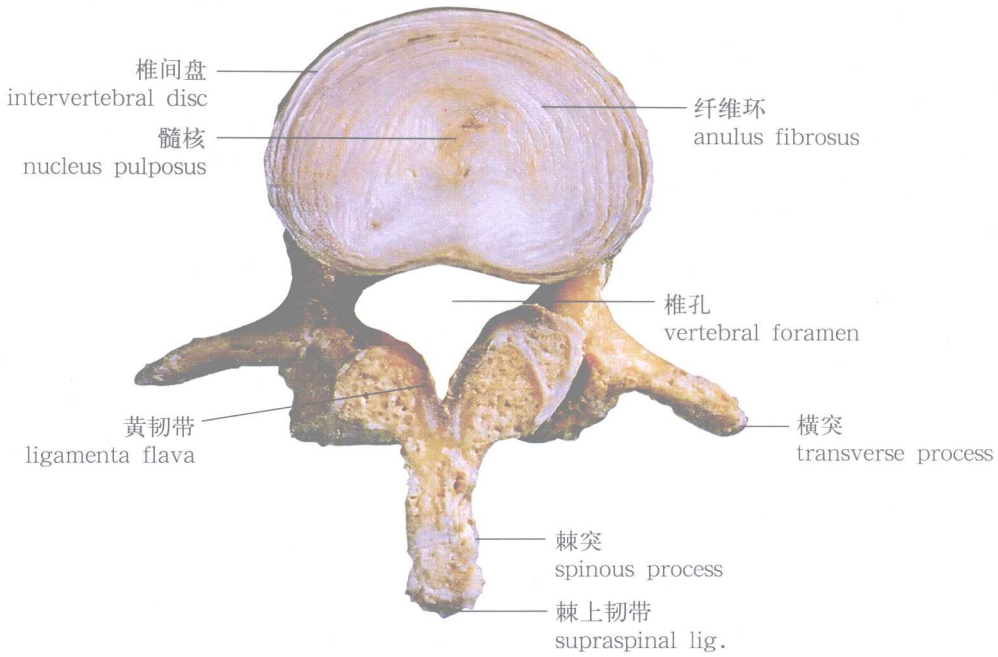


图 81　椎间盘（下面观）

The intervertebral disc (inferior aspect)

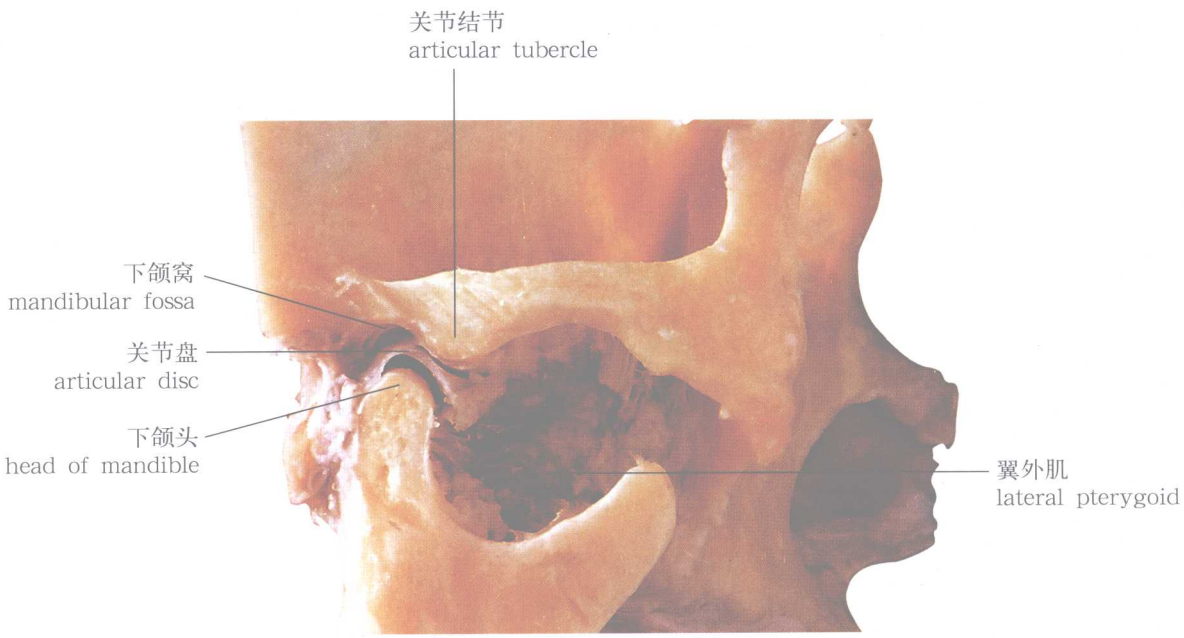


图 82　颞下颌关节（外侧面观）

The temporomandibular joint (lateral aspect)

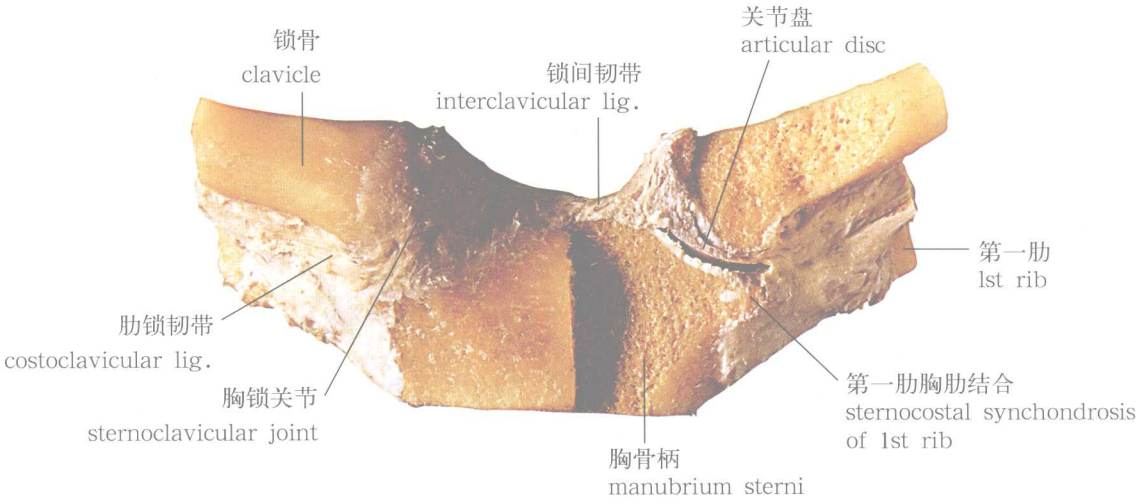


图 83　胸锁关节（前面观）

The sternoclavicular joint (anterior aspect)

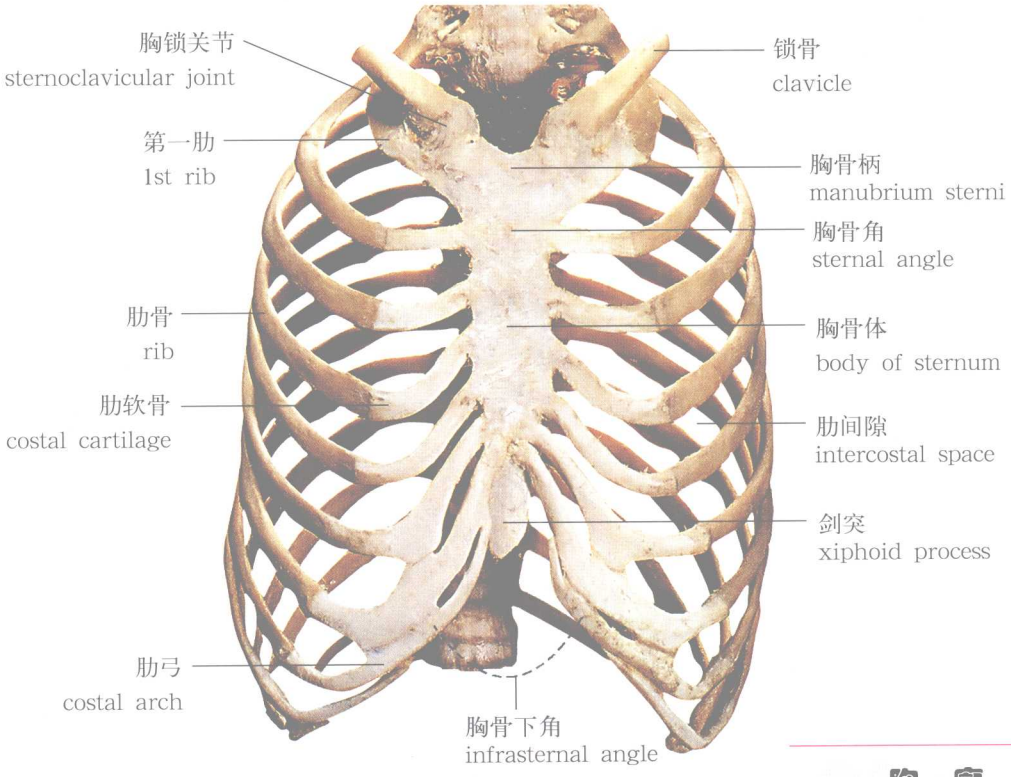


图 84　胸廓（前面观）

The thorax (anterior aspect)

胸　廓

横长矢短似圆锥，上下两口三个壁，
两侧肋弓夹下角，两肋空隙称肋间，
容纳保护心肝肺，吸气下降呼气升，
各径随着年龄变，肋间增宽病症现。

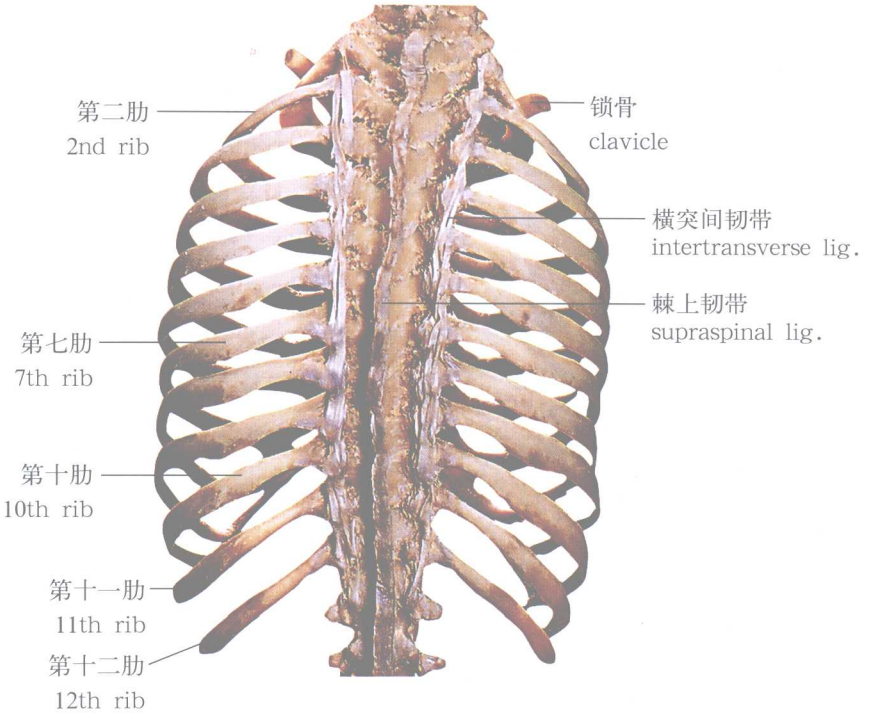


图 85　胸廓（后面观）

The thorax (posterior aspect)

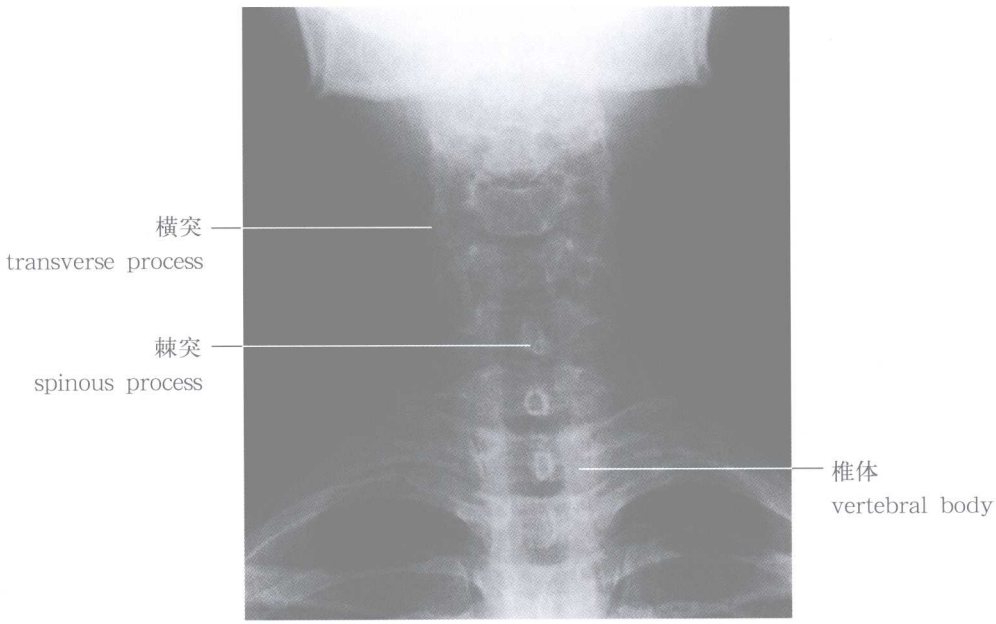


图 86　颈椎 X 线图像（正位）

Radiograph of the cervical vertebrae (anterior aspect)

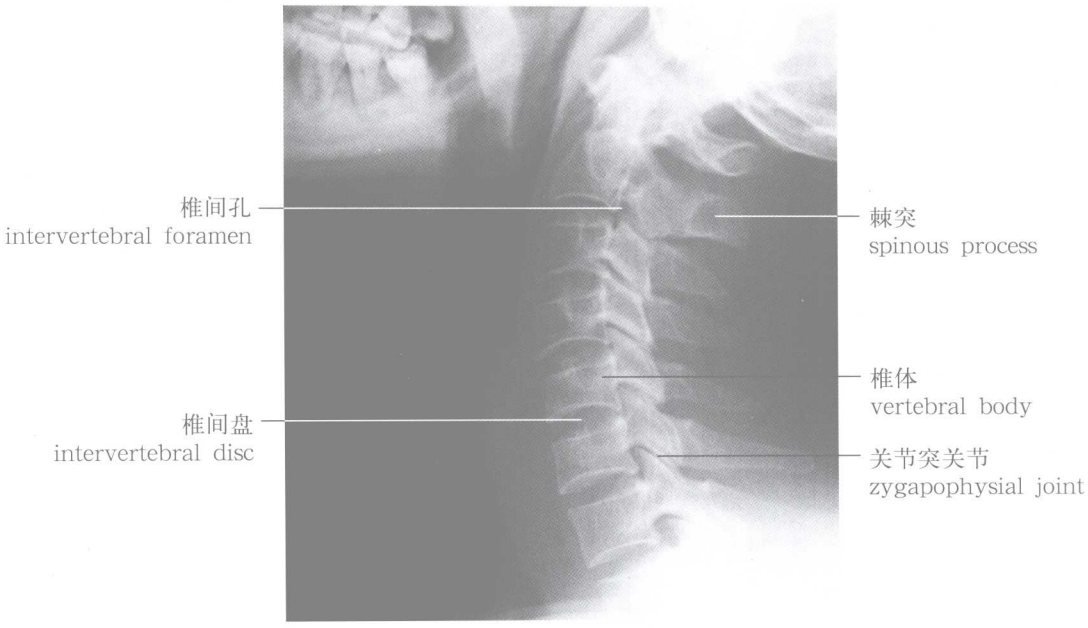


图 87　颈椎 X 线图像（侧位）

Radiograph of the cervical vertebrae (lateral aspect)

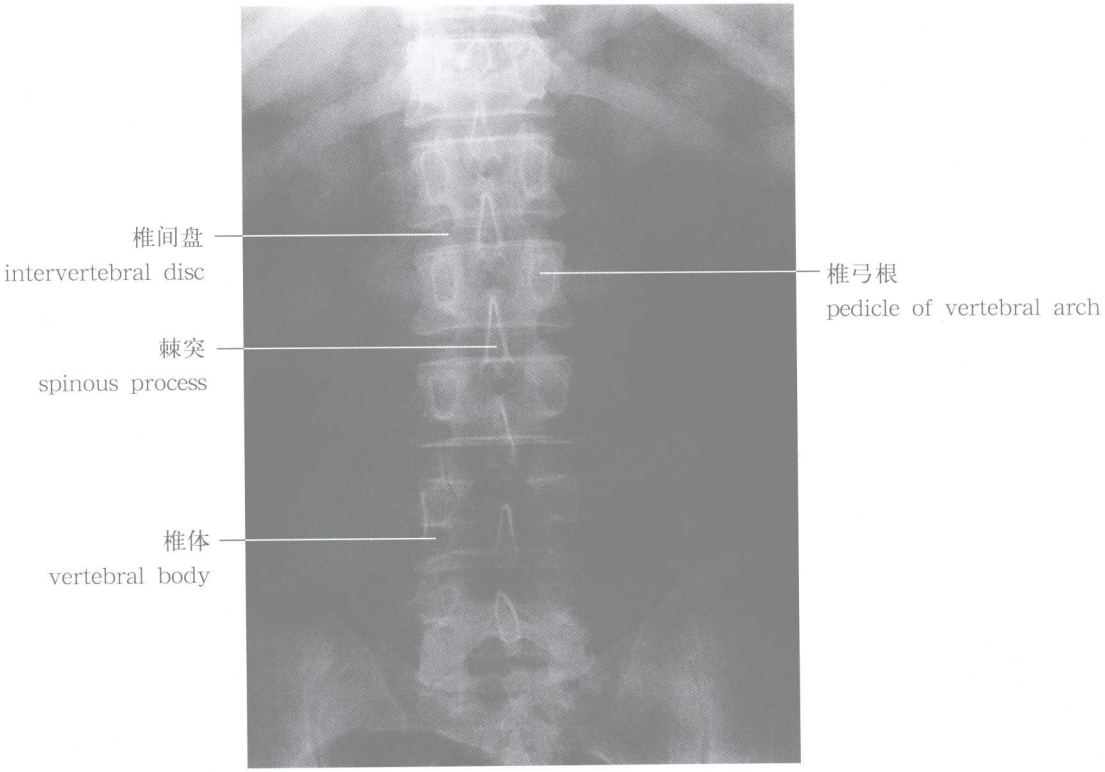


图 88　腰椎 X 线图像（正位）

Radiograph of the lumbar vertebrae (anterior aspect)

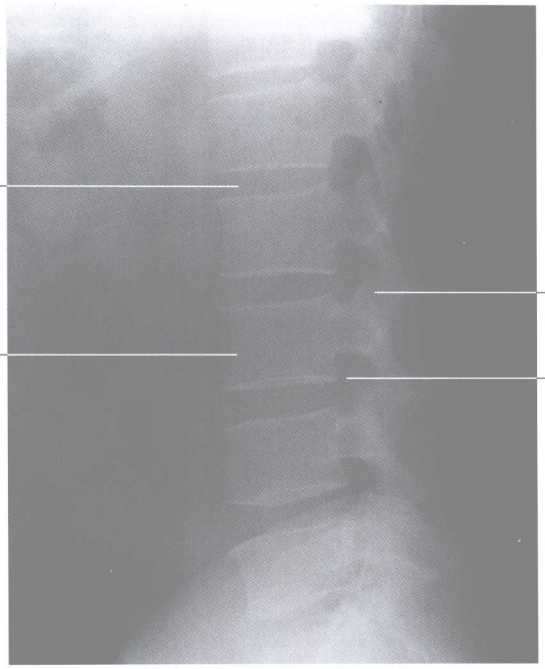


图 89　腰椎 X 线图像（侧位）

Radiograph of the lumbar vertebrae (lateral aspect)

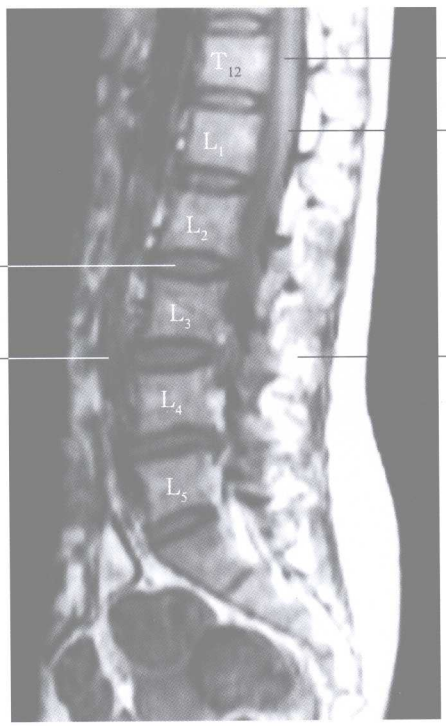


图 90　腰椎 MRI 图像（侧位）

MRI of the lumbar vertebrae (lateral aspect)

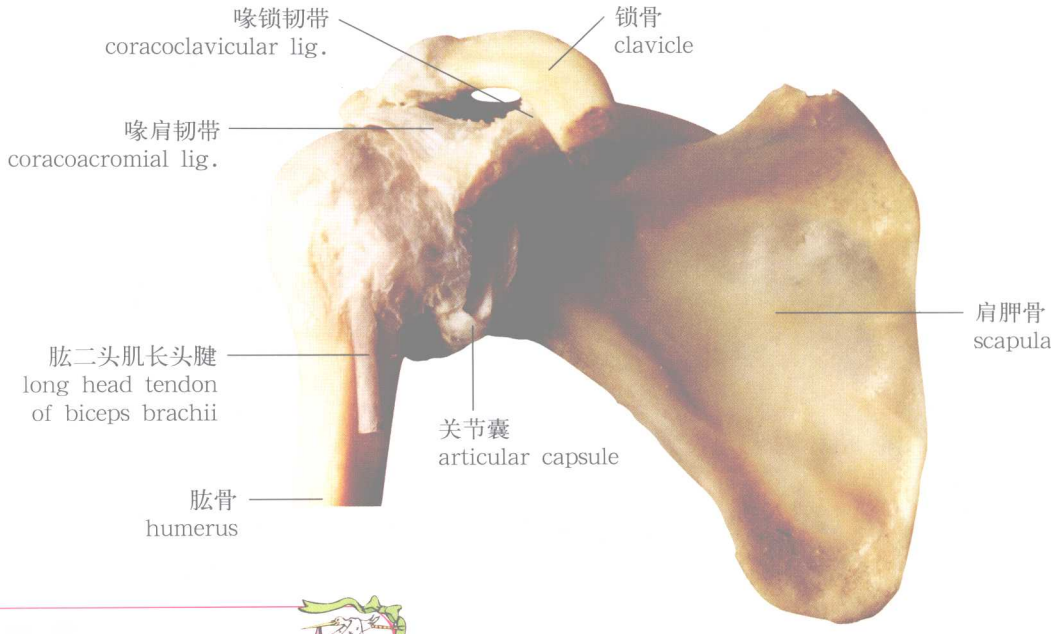


图 91 肩关节（前面观）

The shoulder joint (anterior aspect)

肩关节

头大盂浅囊松弛，前后上外肌封实，
喙肩喙肱两韧带，囊外巩固稳定高，
肱二头肌长头腱，穿过囊内露外边，
运动灵活欠稳固，脱位最易向下边。

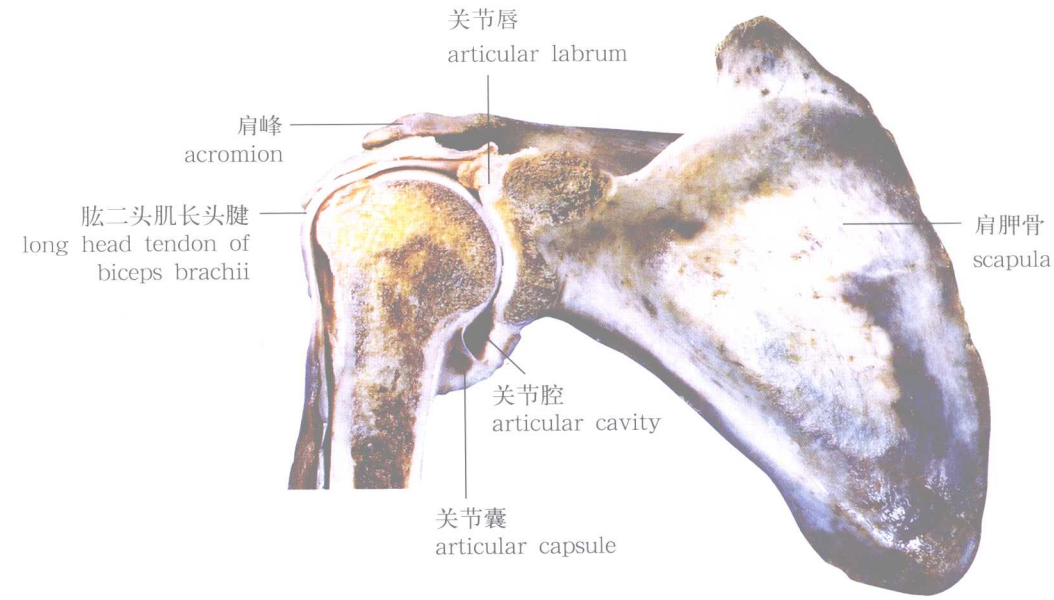


图 92 肩关节（冠状切面）

The shoulder joint (coronal section)

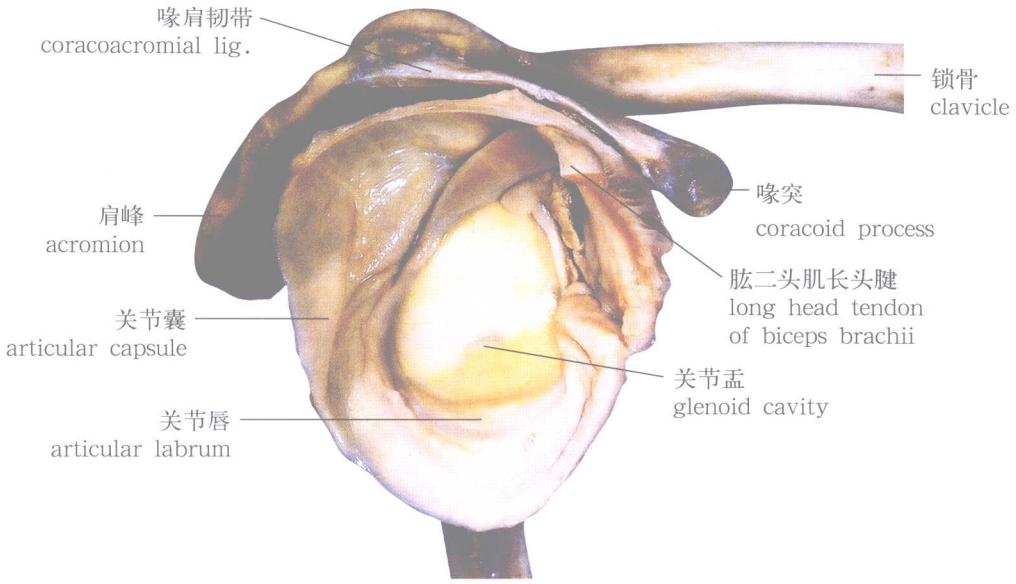


图 93　肩关节（内面观）

The shoulder joint (medial aspect)

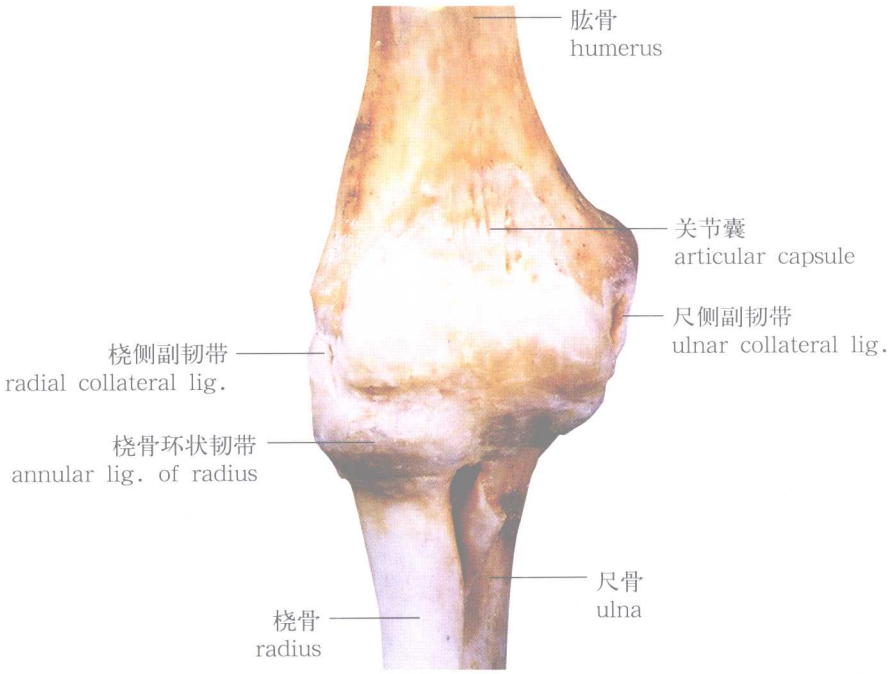


图 94　肘关节（前面观）

The elbow joint (anterior aspect)

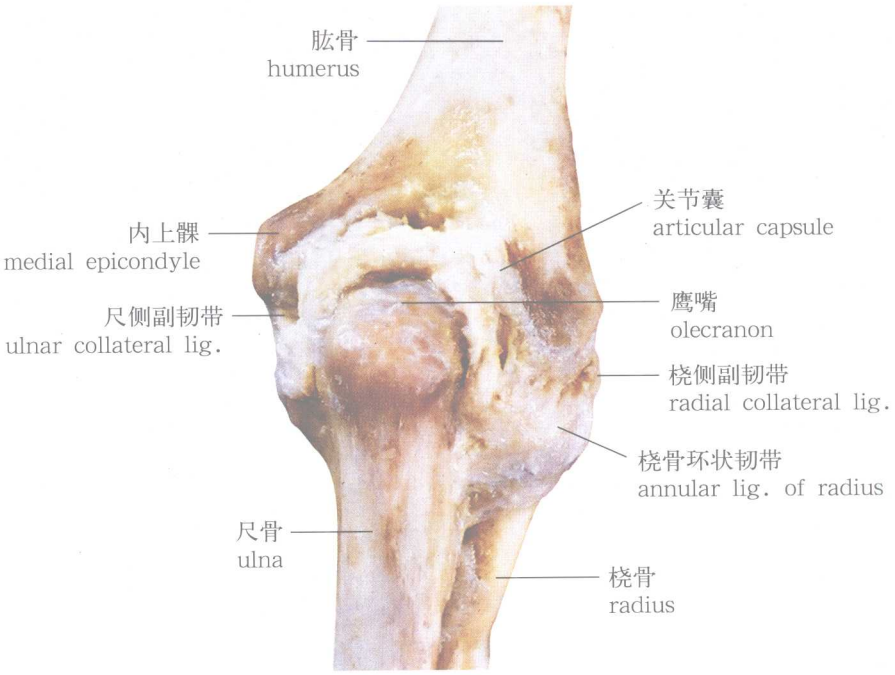


图 95　肘关节（后面观）

The elbow joint (posterior aspect)

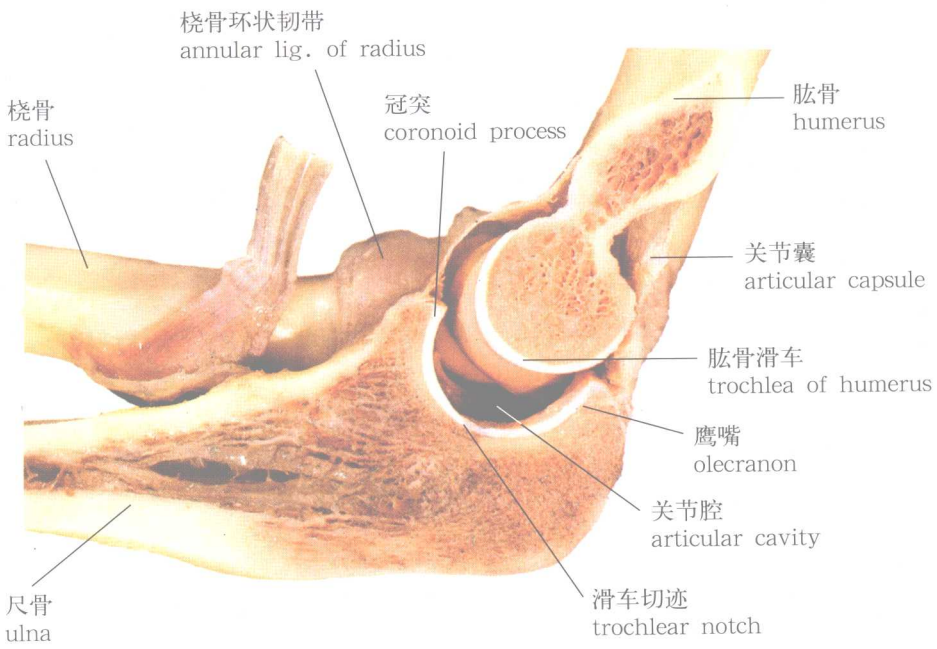


图 96　肘关节（侧面观）

The elbow joint (lateral aspect)

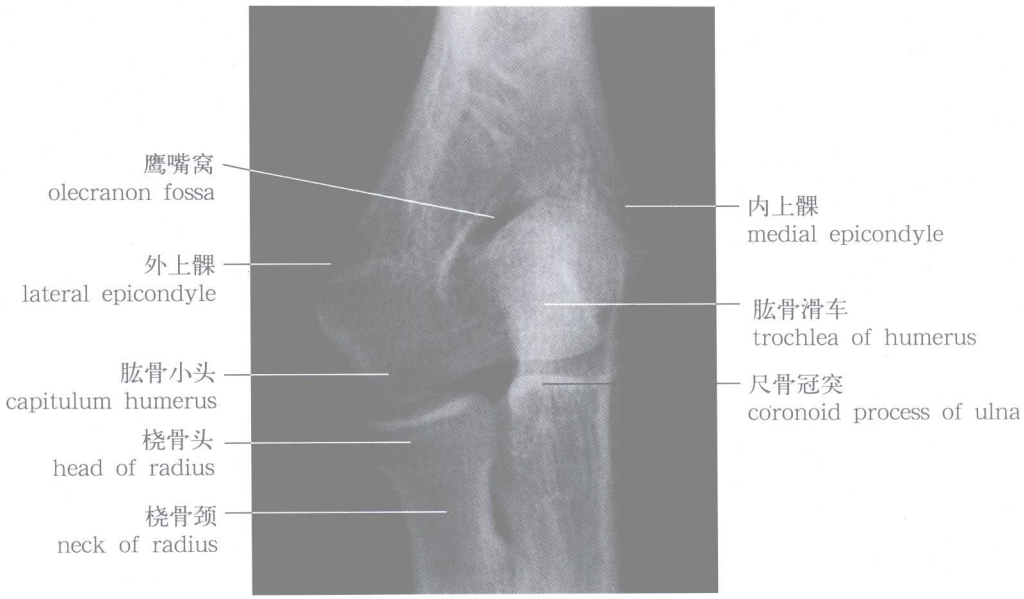


图 97　肘关节 X 线图像（正位）

Radiograph of the elbow joint (anterior aspect)



图 98　肘关节 X 线图像（侧位）

Radiograph of the elbow joint (lateral aspect)

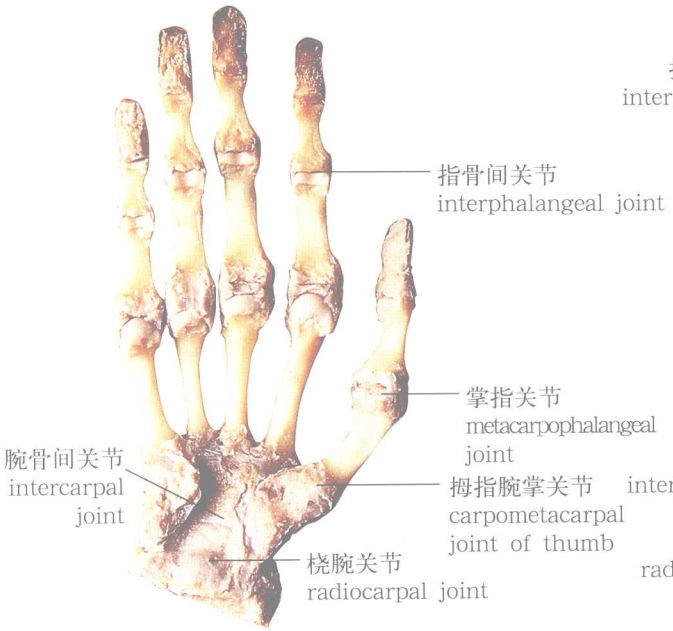


图 99 手关节（前面观）
Joints of the hand (anterior aspect)

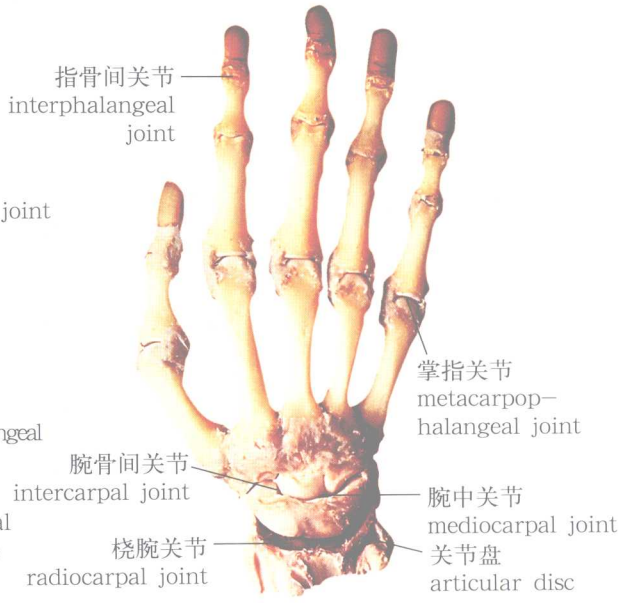


图 100 手关节（背面观）
Joints of the hand (dorsal aspect)

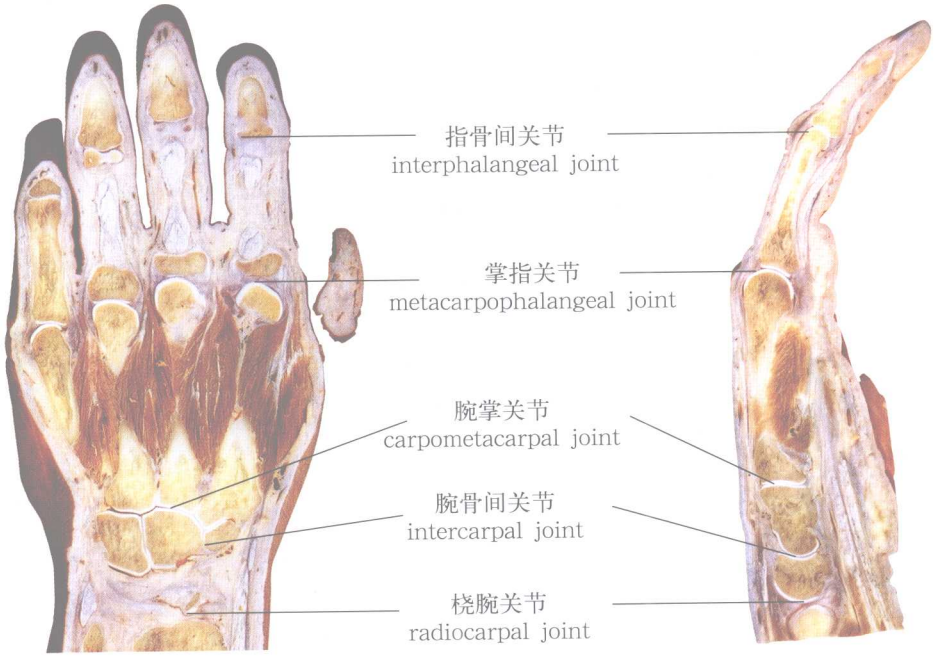


图 101 手关节（冠状切面）
Joints of the hand (coronal section)

图 102 手关节（矢状切面）
Joints of the hand (sagittal section)

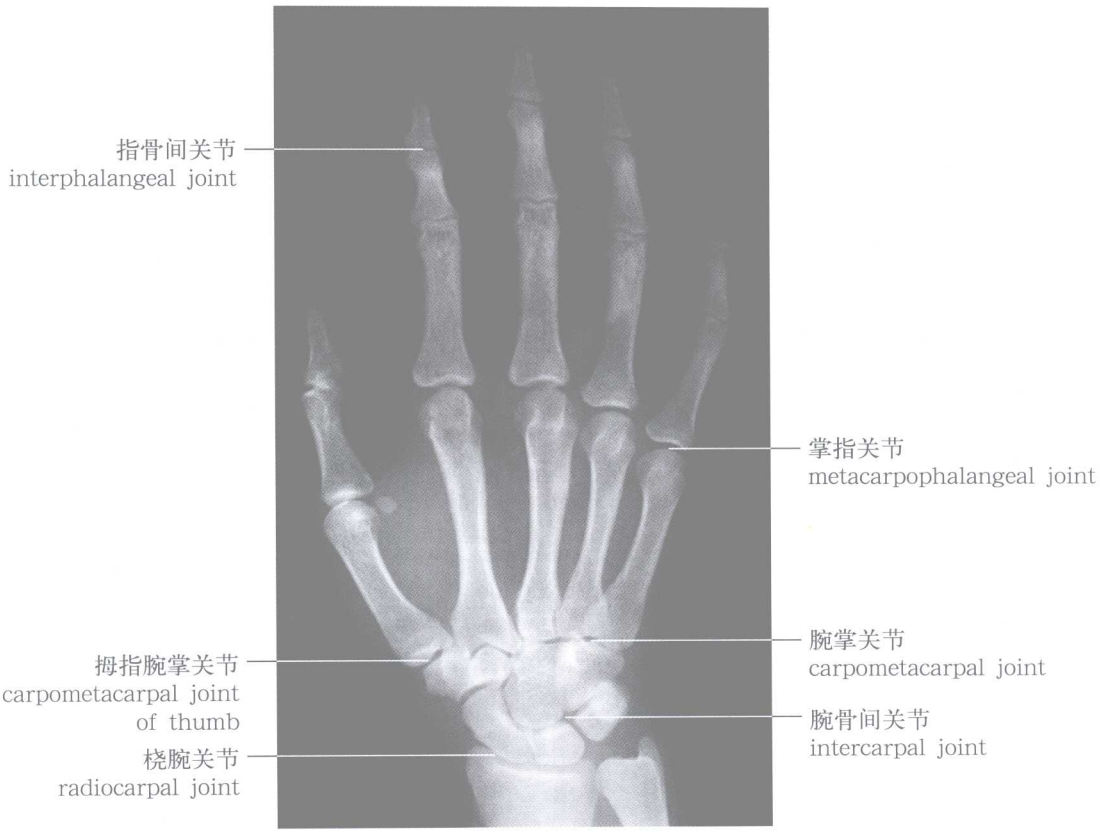


图 103　手关节 X 线图像（正位）

Radiograph of the hand joint (anterior aspect)



图 104　手关节 X 线图像（正位）

Radiograph of the hand joint (anterior aspect)

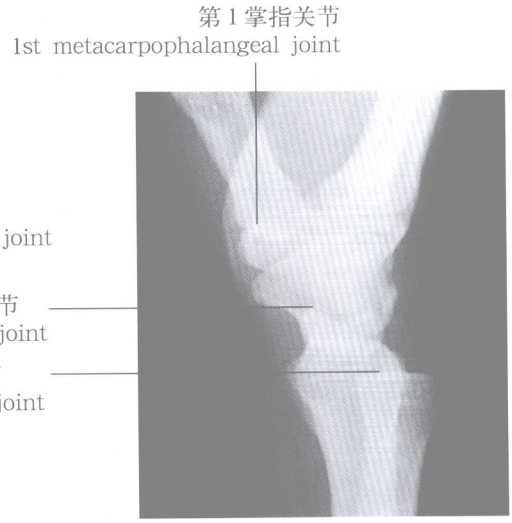


图 105　手关节 X 线图像（侧位）

Radiograph of the hand joint (lateral aspect)

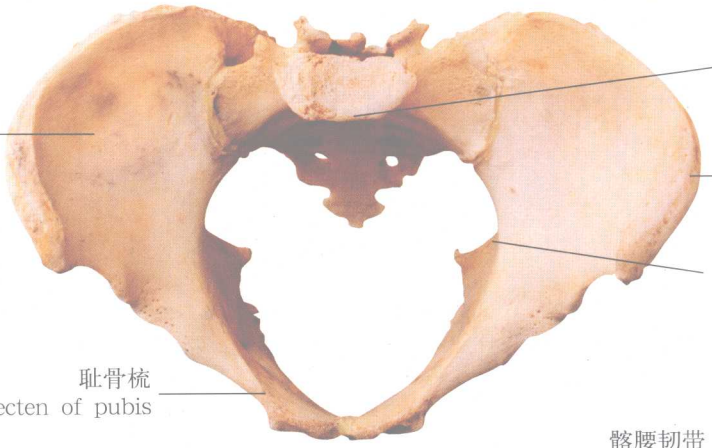


图 106　骨盆的连结（上面观）

Articulations of the pelvis (superior aspect)



骨盆的连结

两侧髋骨后尾骶，
骶髂微动联合隙，
韧带切迹围成孔，
肌肉血管神经走，
保护内脏传重力，
径线界限要熟记。

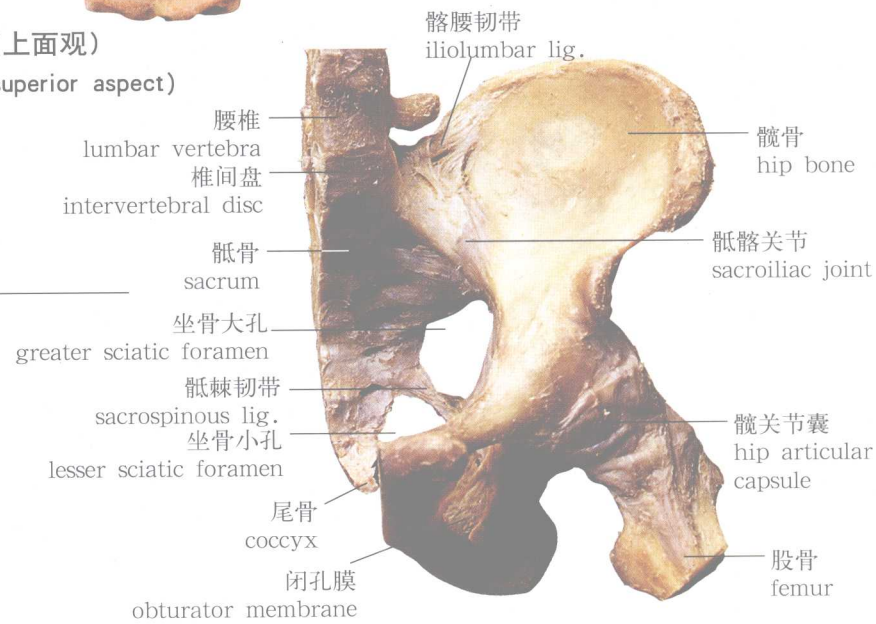


图 107　骨盆的连结（前面观）

Articulations of the pelvis (anterior aspect)

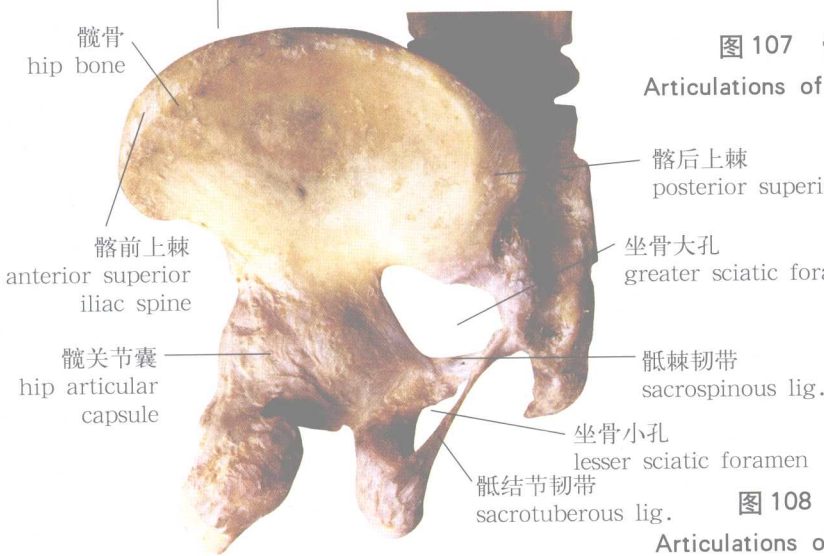


图 108　骨盆的连结（后面观）

Articulations of the pelvis (posterior aspect)

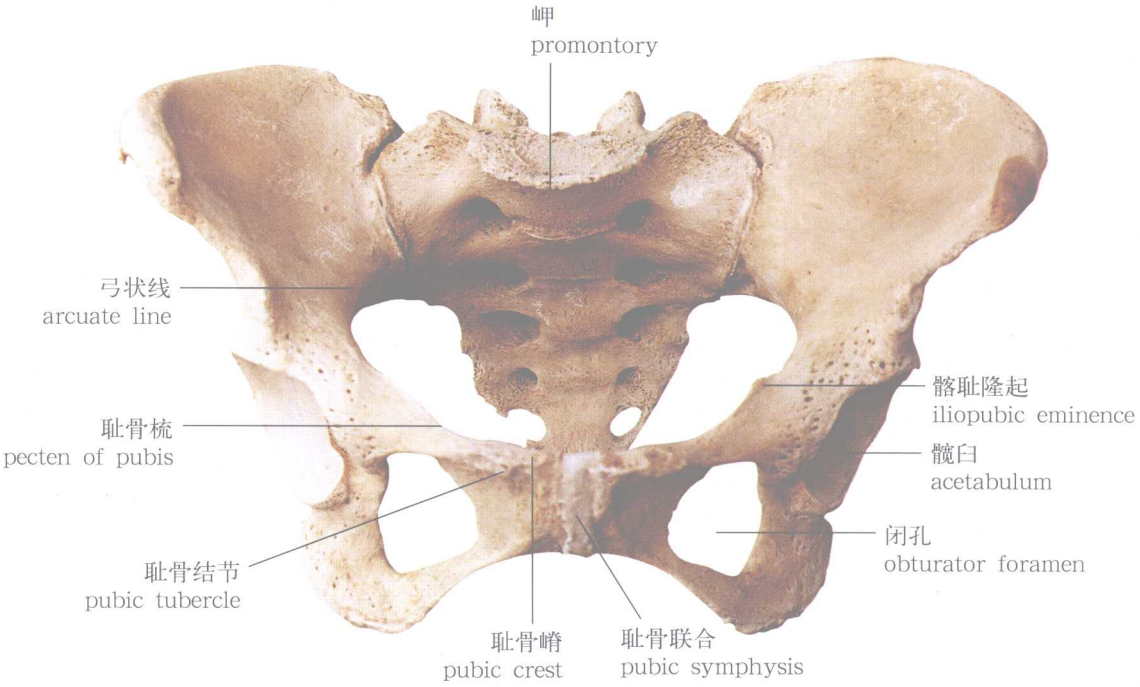


图 109 骨盆（女性）

The pelvis (female)

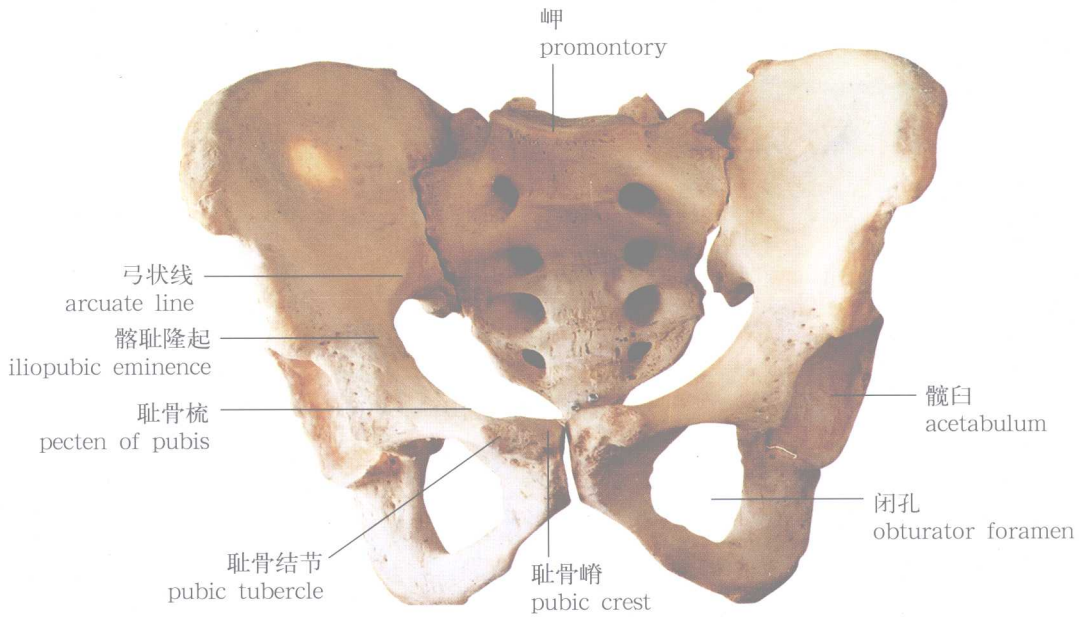


图 110 骨盆 （男性）

The pelvis (male)

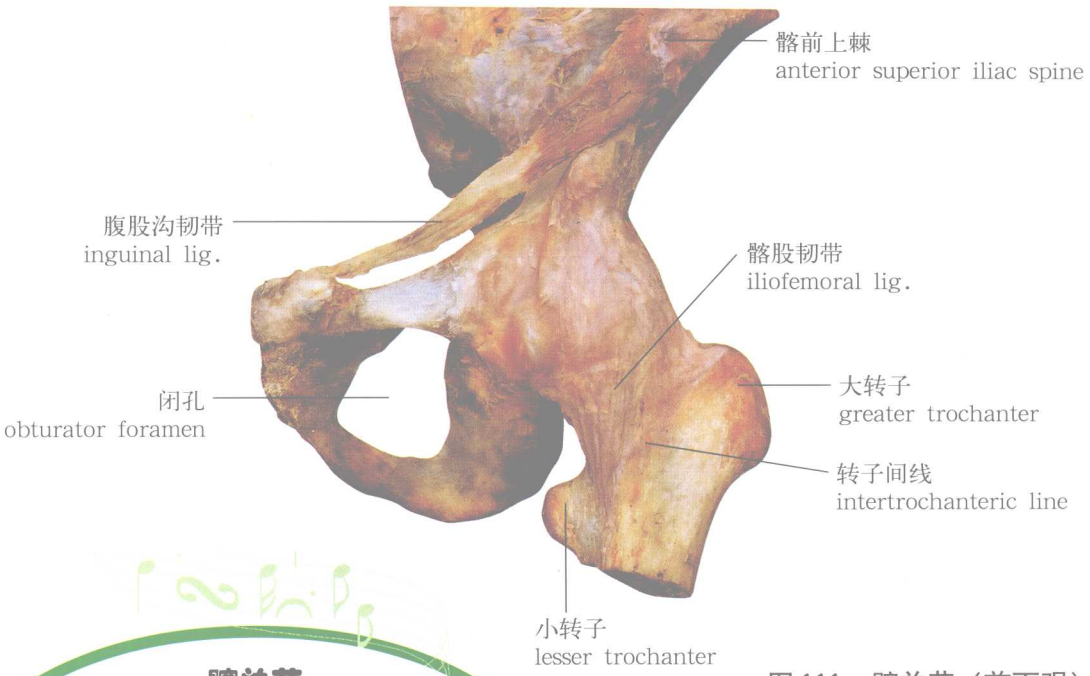


图 111　髋关节（前面观）

The hip joint (anterior aspect)

髋关节

髋臼凹陷唇加深，后壁抵止颈中份，
髂股韧带囊前壁，防止关节过后伸，
囊内股骨头韧带，导入血管送养分，
每当屈髋内收位，容易脱位须留神。

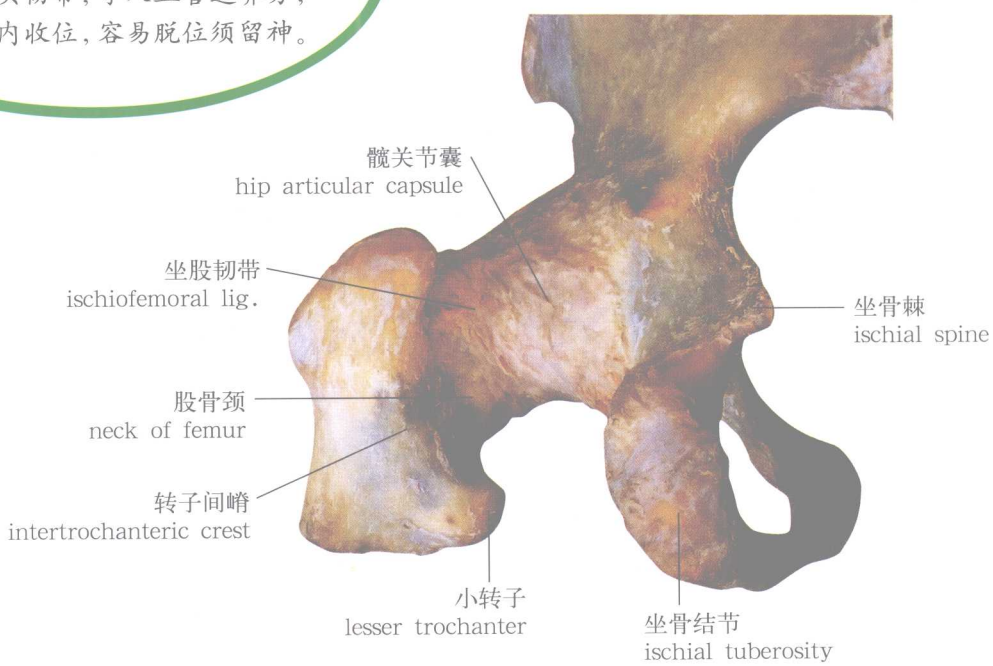


图 112　髋关节（后面观）

The hip joint (posterior aspect)

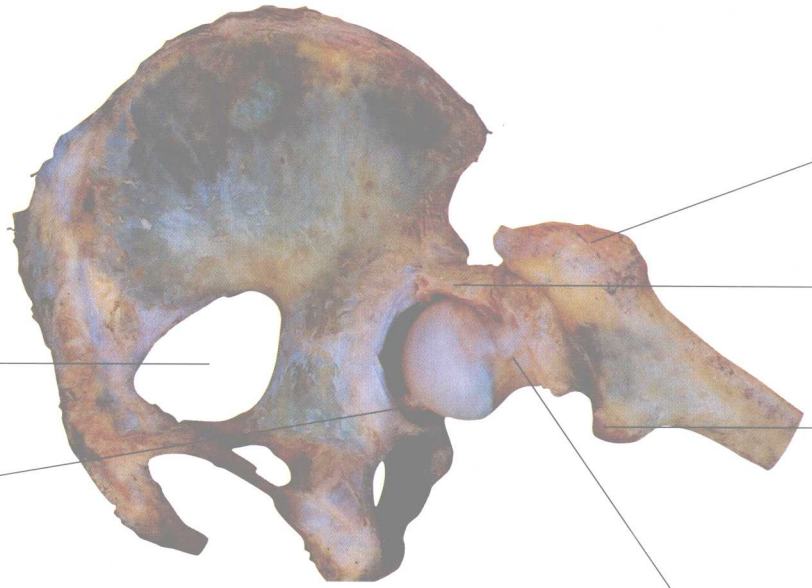


图 113　髋关节（打开关节腔）

The hip joint (opened cavity)

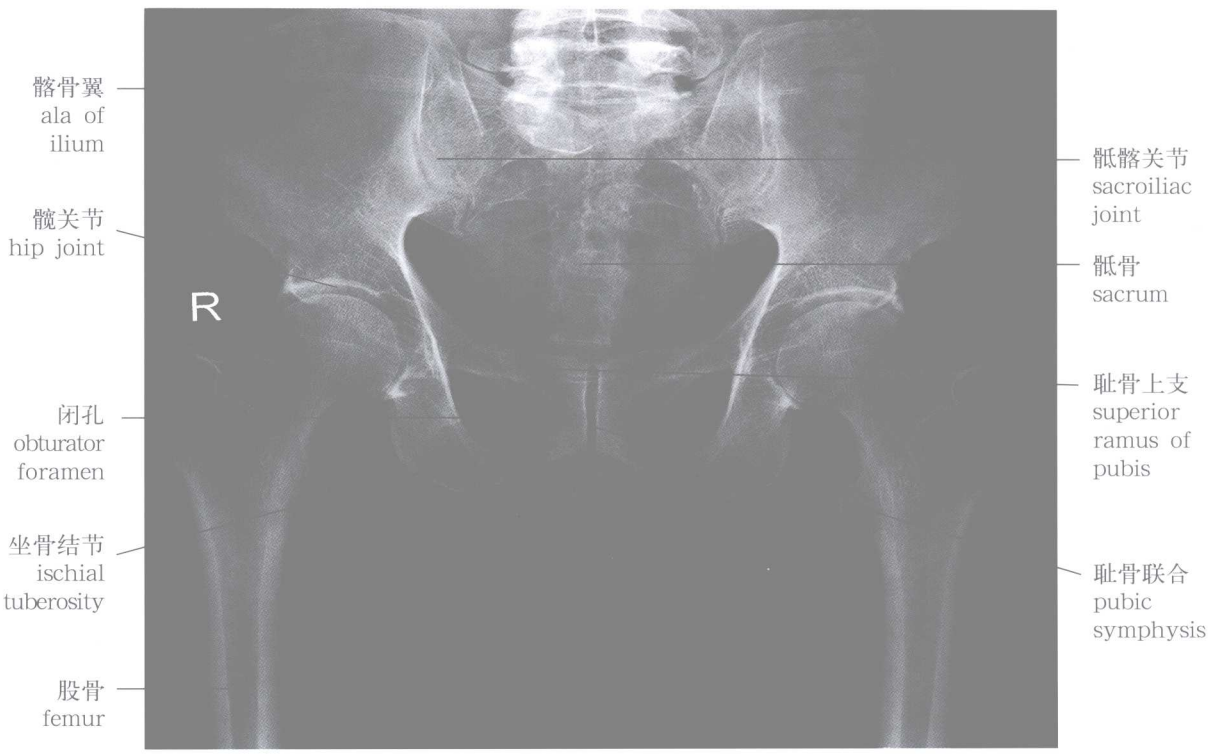


图 114　骨盆 X 线图像（正位）

Radiograph of the pelvis (anterior aspect)

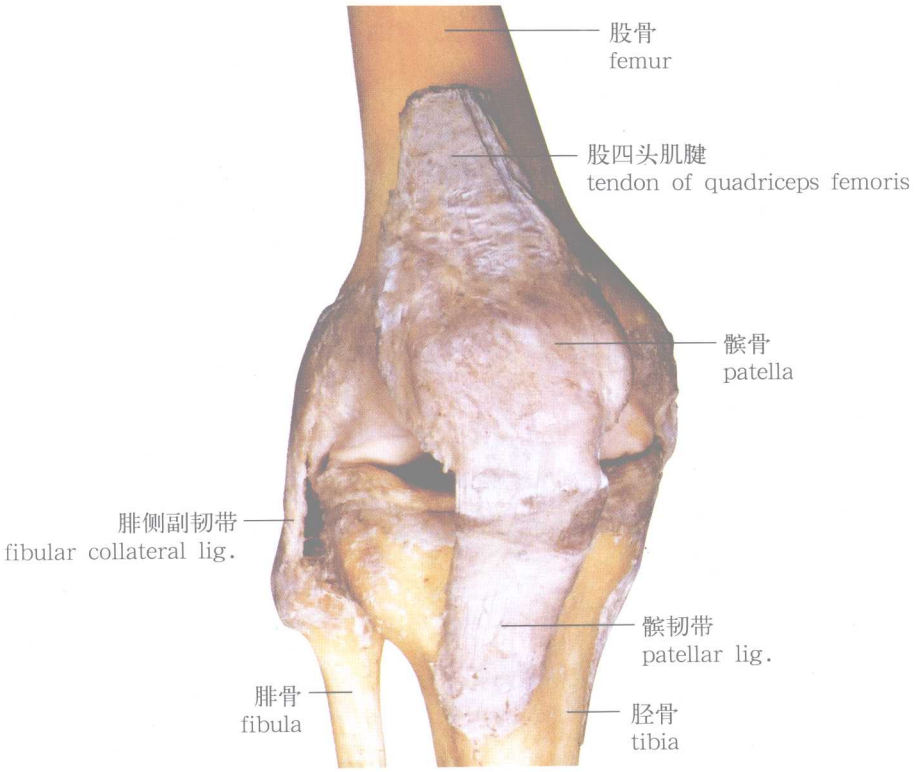


图 115　膝关节（前面观）

The knee joint (anterior aspect)

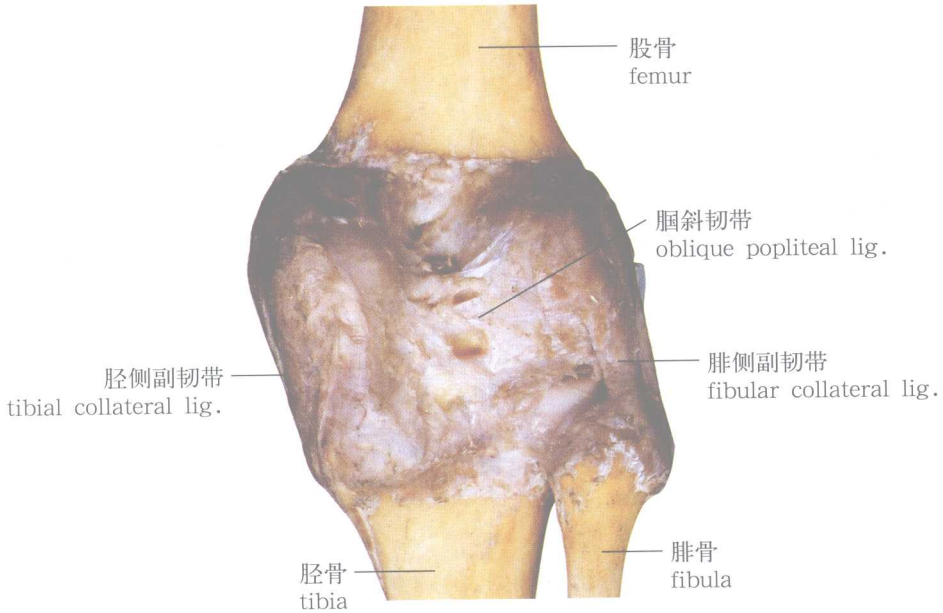


图 116　膝关节（后面观）

The knee joint (posterior aspect)

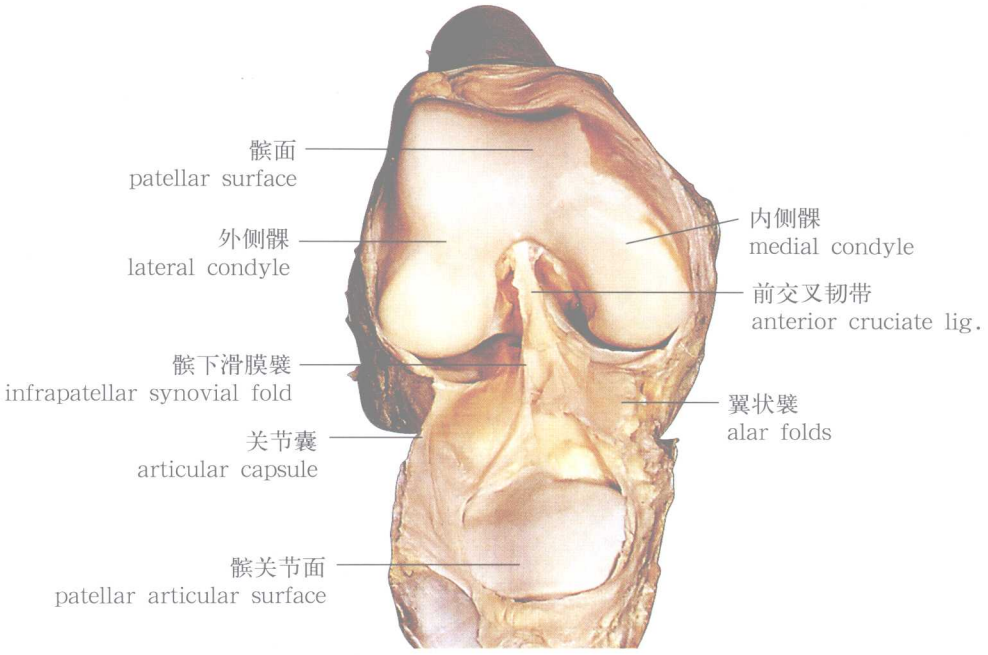


图 117　膝关节（打开关节腔）

The knee joint (opened cavity)

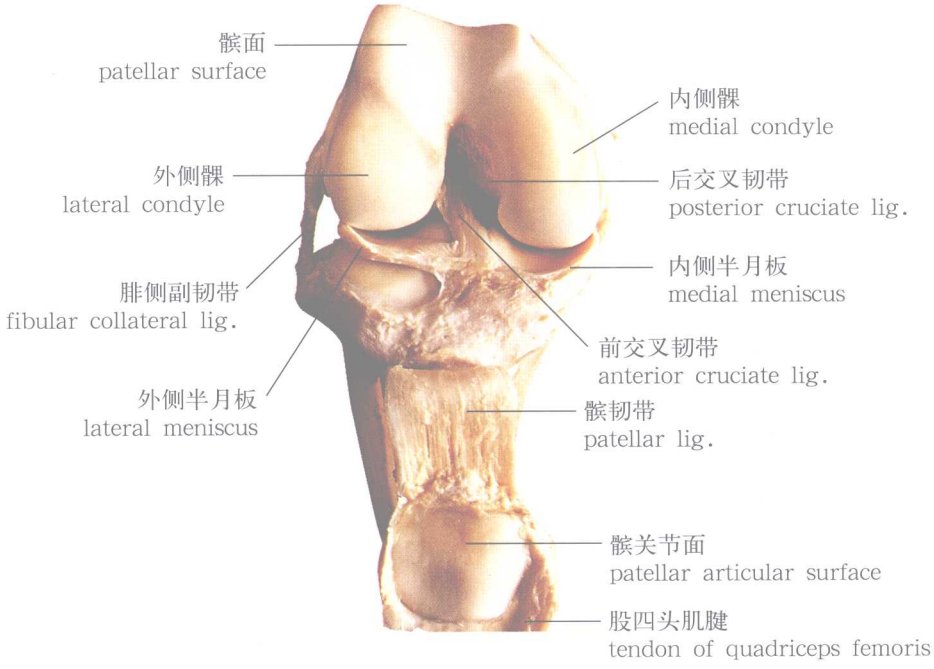


图 118　膝关节（前面观，打开关节腔）

The knee joint (anterior aspect, opened cavity)

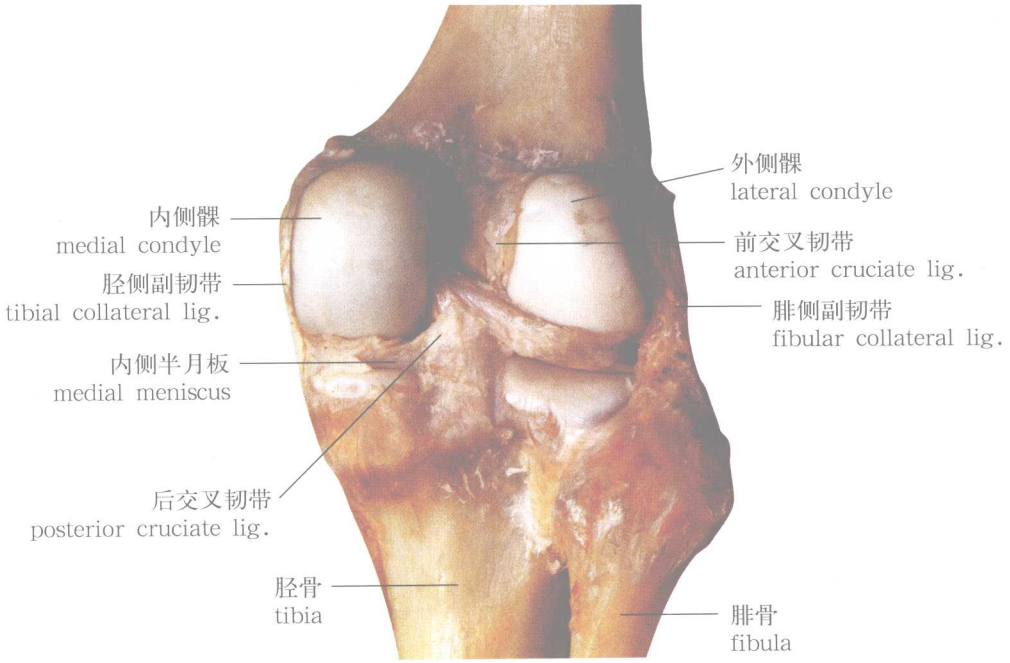


图 119　膝关节（打开关节腔）

The knee joint (opened cavity)

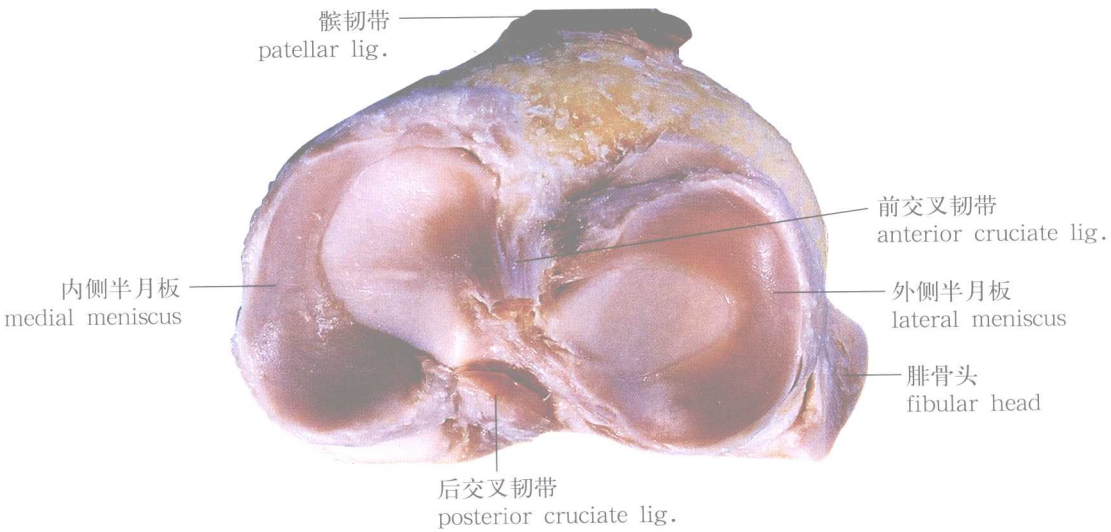


图 120　膝关节（上面观）

The knee joint (superior aspect)

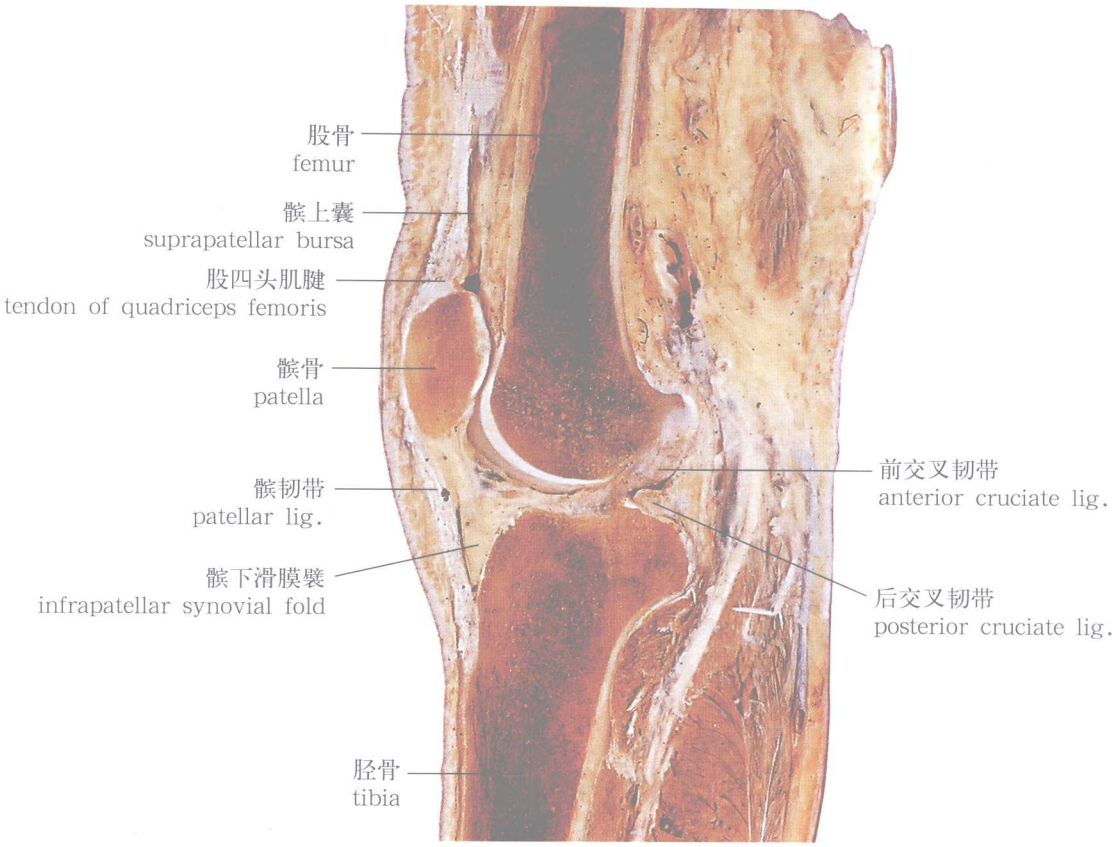


图 121　膝关节（矢状切面）

The knee joint (sagittal section)

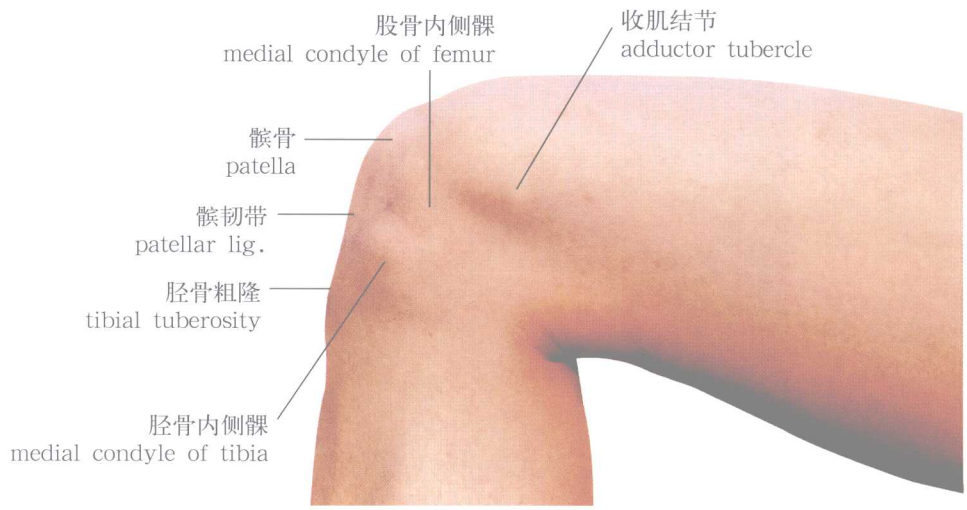


图 122　右膝关节屈曲位体表标志（内侧面）

Surface markings of the right knee (medial aspect)



图 123　膝关节 MRI（1）

MRI of the knee joint (1)

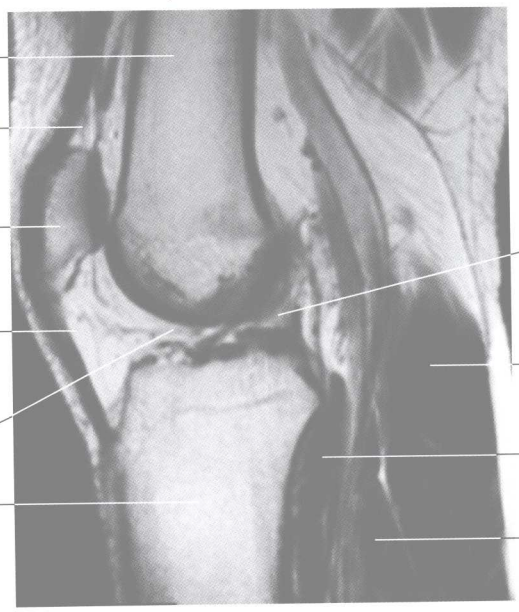


图 124　膝关节 MRI（2）

MRI of the knee joint (2)

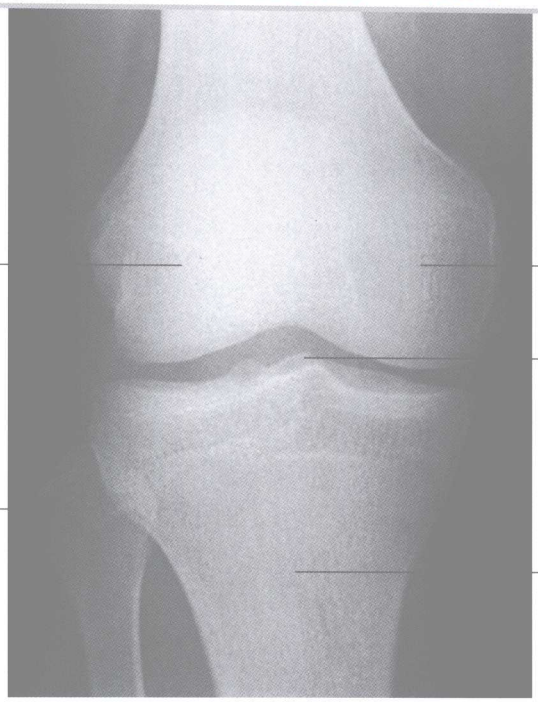


图 125　膝关节 X 线图像（正位）

Radiograph of the knee joint (anterior aspect)

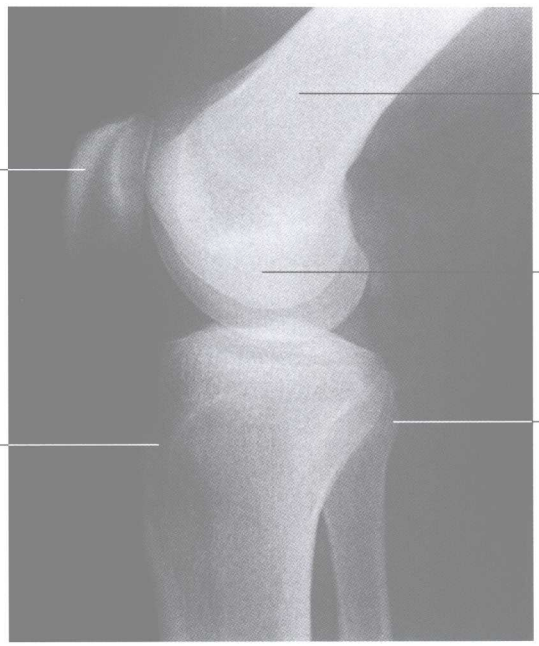


图 126　膝关节 X 线图像（侧位）

Radiograph of the knee joint (lateral aspect)

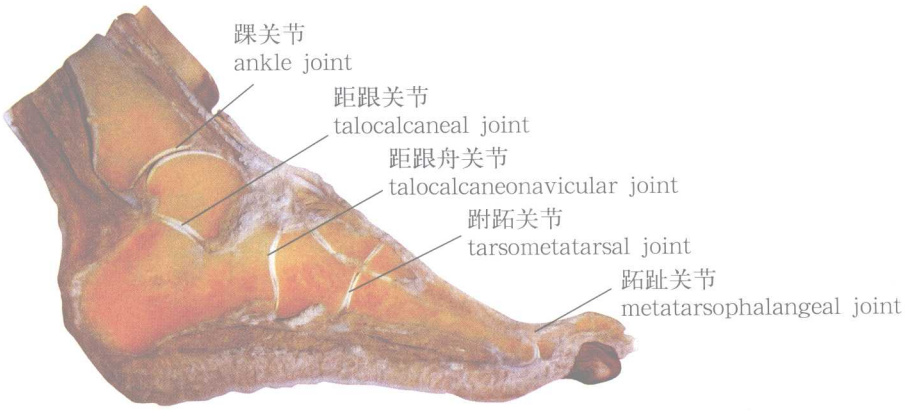


图 127　足关节（矢状切面）

Joints of the foot (sagittal section)

足关节

前宽后窄门字面，外踝较长内踝短，
外侧韧带三条弱，内侧一条厚而坚，
背屈稳定跖屈松，下山下楼需提防。



图 128　足的连结（冠状切面）

Articulations of the foot (coronal section)

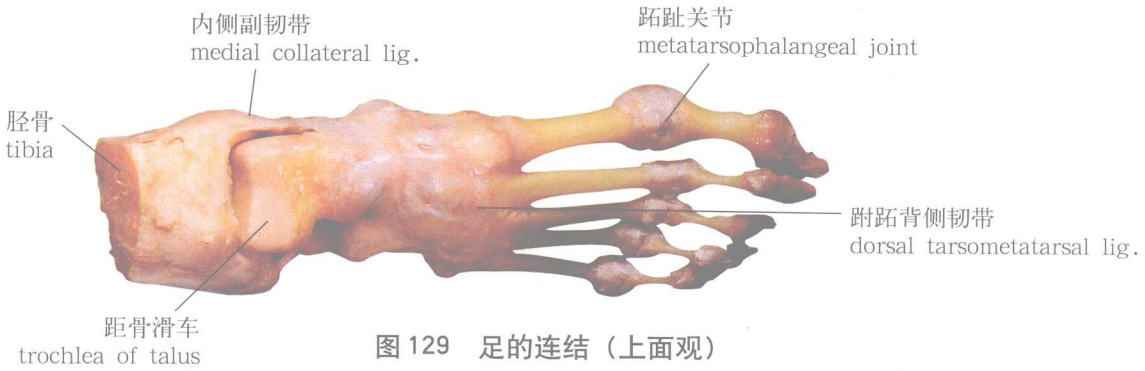


图 129　足的连结（上面观）

Articulations of the foot (superior aspect)

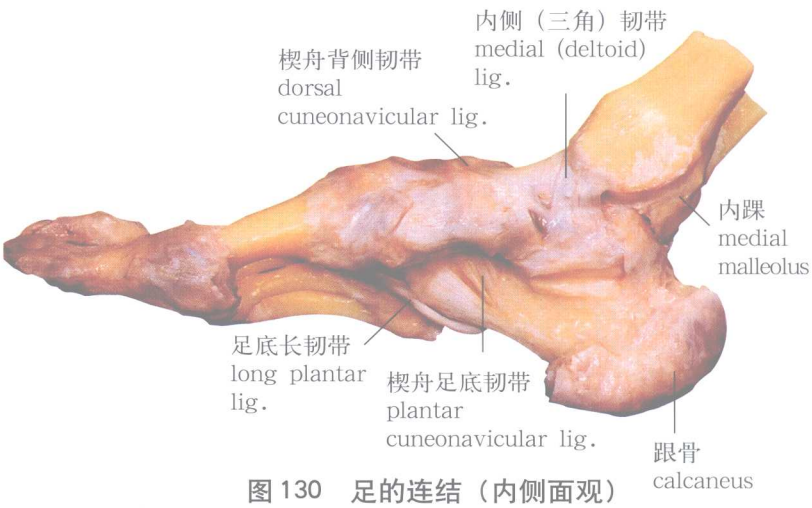


图 130　足的连结（内侧面观）

Articulations of the foot (medial aspect)

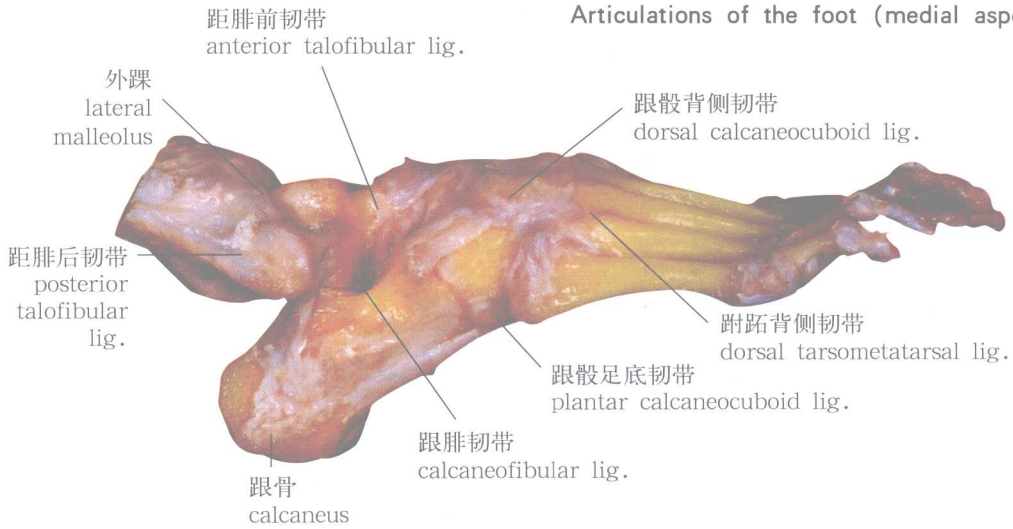


图 131　足的连结（外侧面观）

Articulations of the foot (lateral aspect)

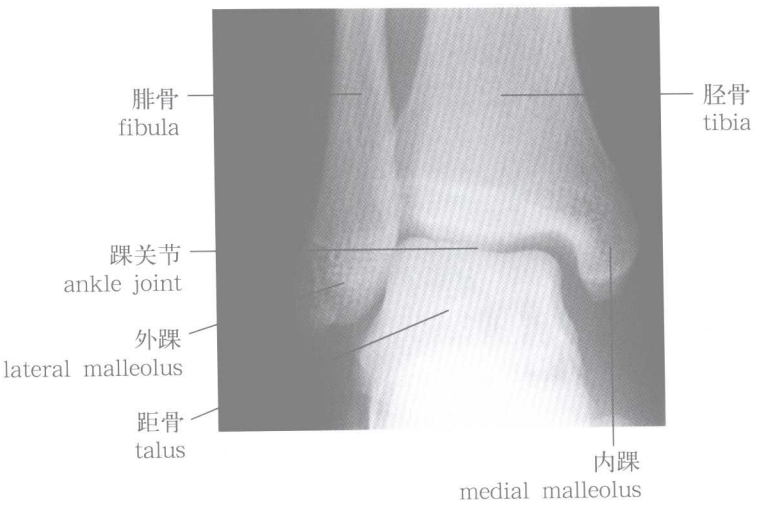


图 132　足关节 X 线图像（正位）

Radiograph of the foot joint (anterior aspect)



图 133　足关节 X 线图像（侧位）

Radiograph of the foot joint (lateral aspect)

第3章

运动系统——肌

LOCOMOTOR SYSTEM —— MUSCLE

Chapter 3

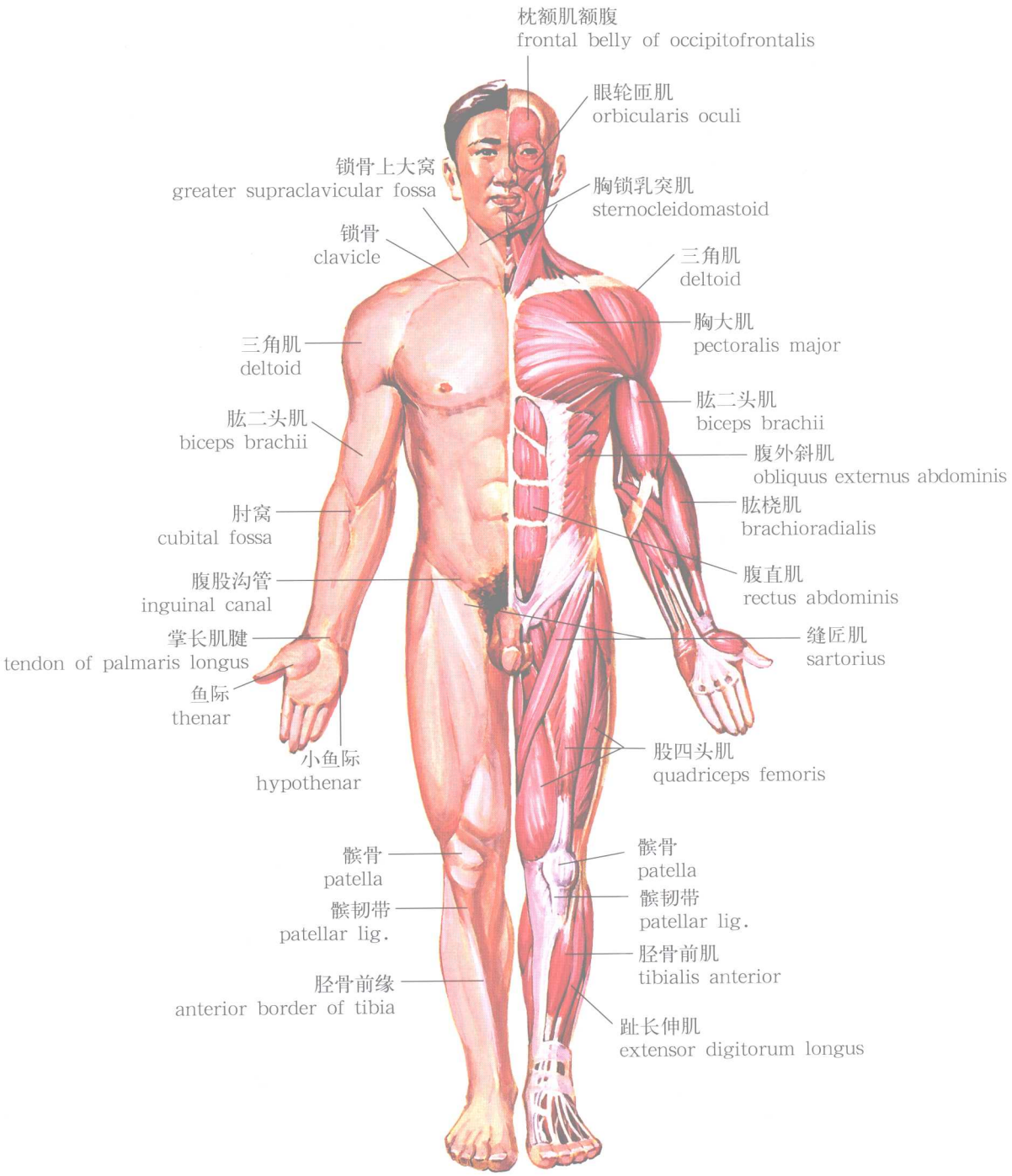


图 134　全身体表及肌肉（前面观）

Surface anatomy and muscles of the body (anterior aspect)

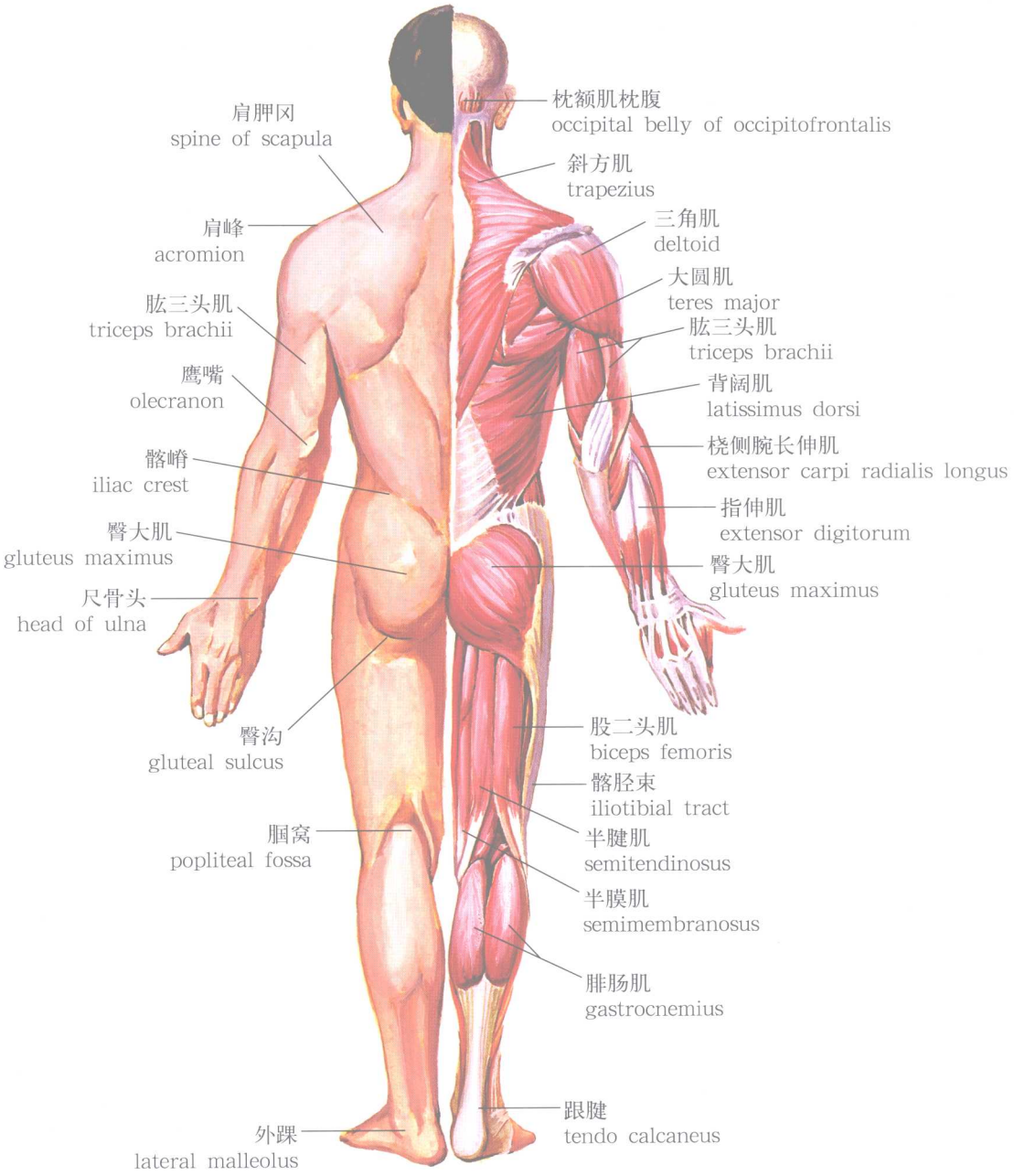


图 135　全身体表及肌肉（后面观）

Surface anatomy and muscles of the body (posterior aspect)



图 136 肌的形态

Forms of the muscles

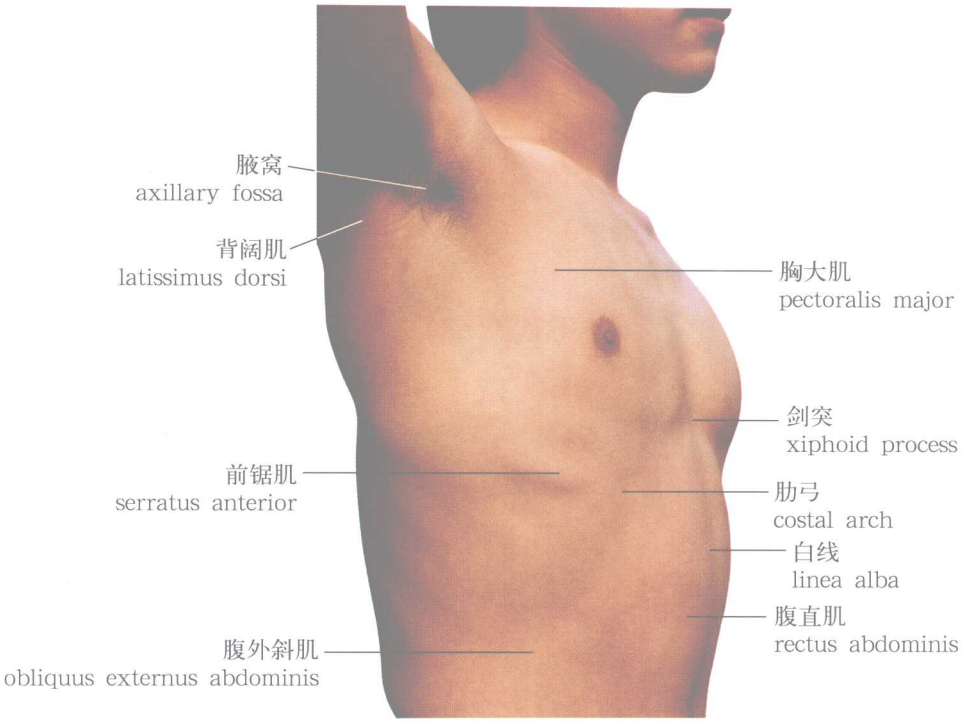


图 137　躯干肌体表标志（侧面观）

Surface markings of the muscles of the trunk (lateral aspect)

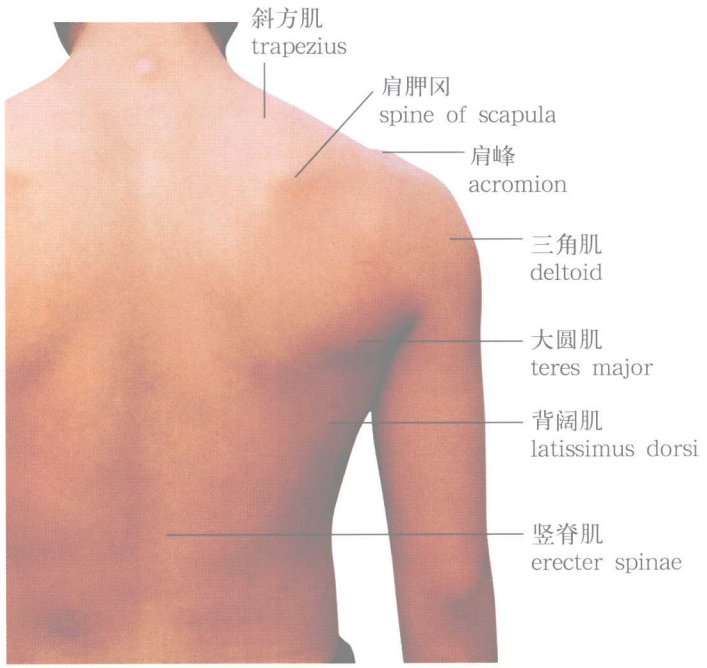


图 138　躯干肌体表标志（后面观）

Surface markings of the muscles of the trunk (posterior aspect)

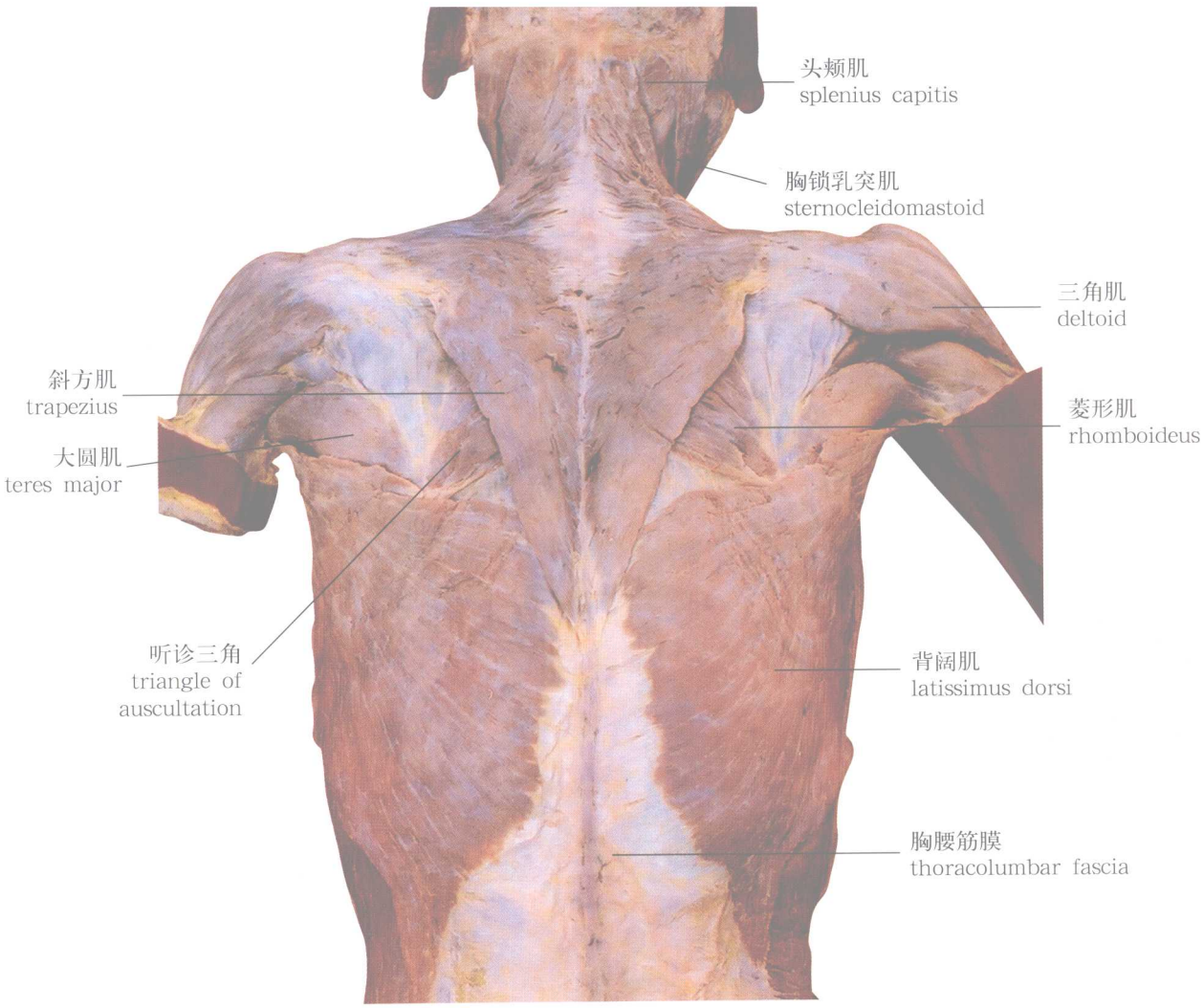


图 139 背部肌

Muscles of the back

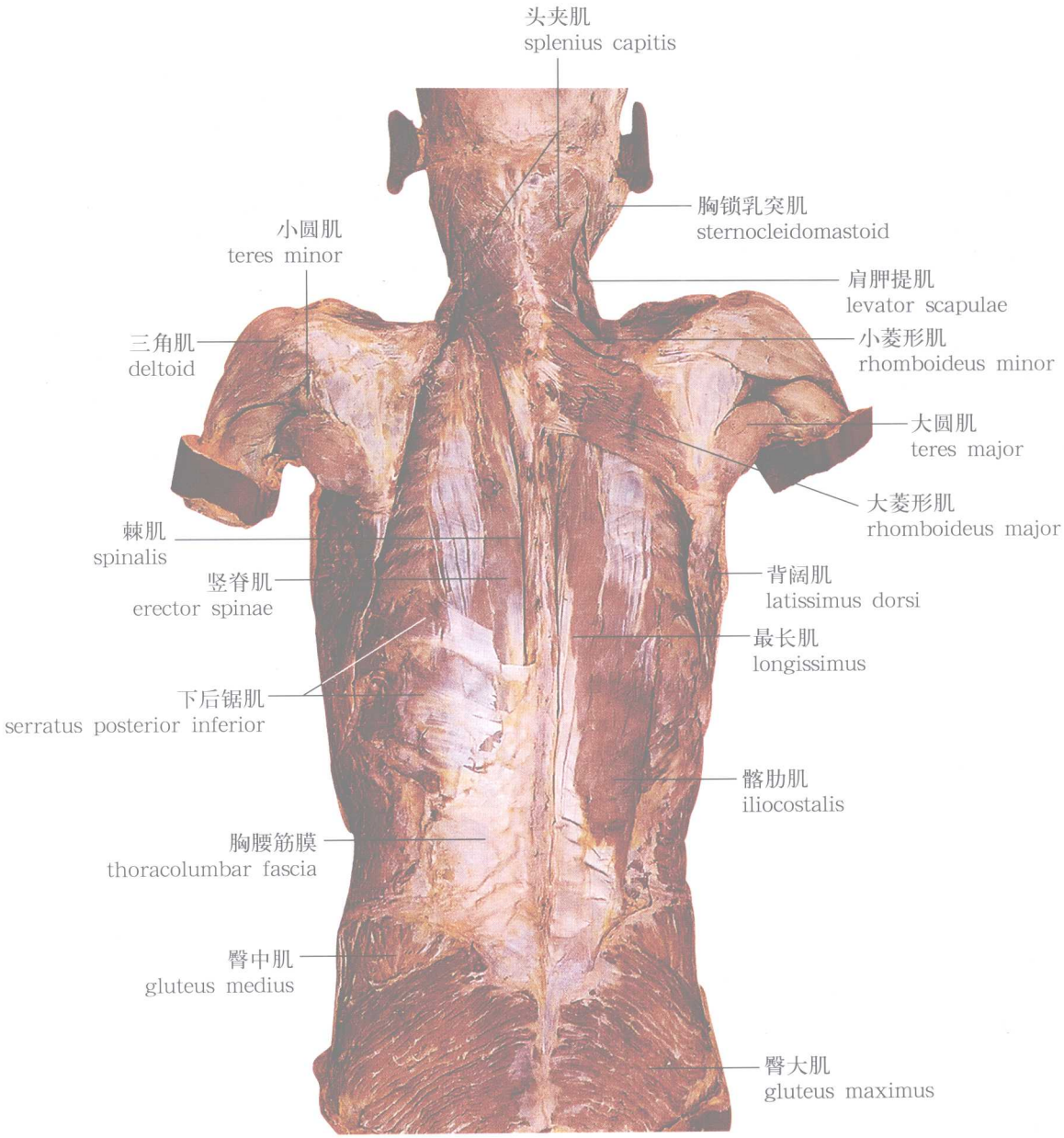


图 140　背部肌

Muscles of the back

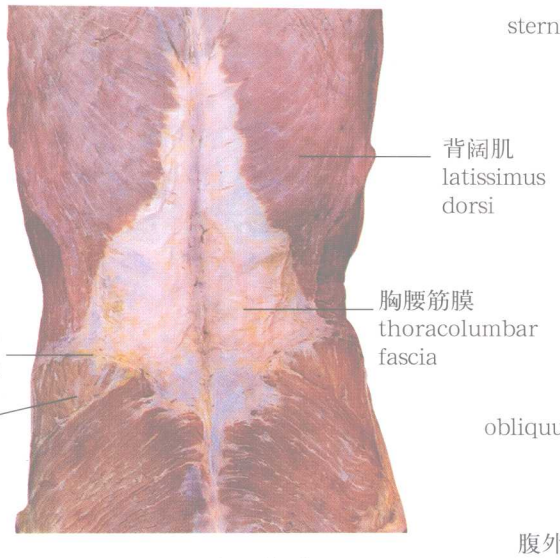


图 141　胸腰筋膜
Thoracolumbar fascia

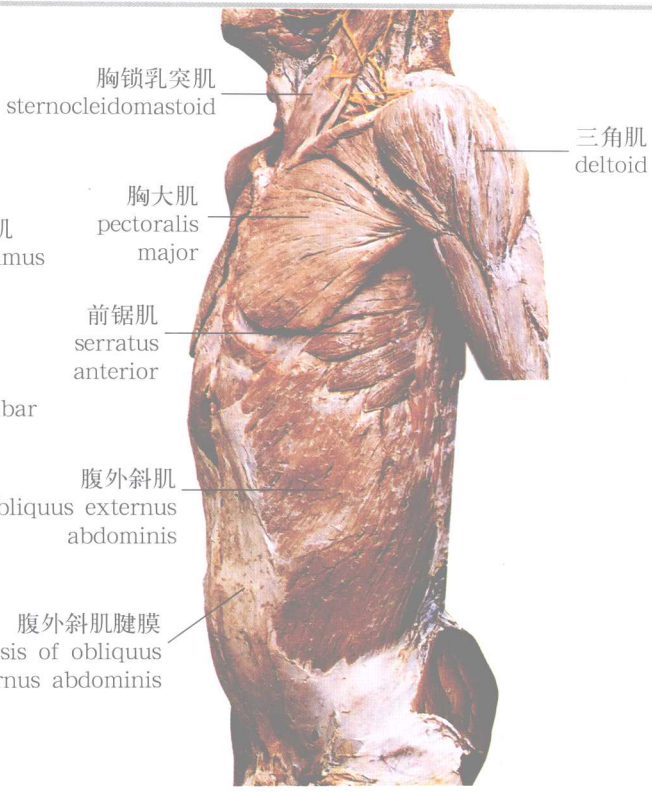


图 143　躯干肌
Muscles of the trunk

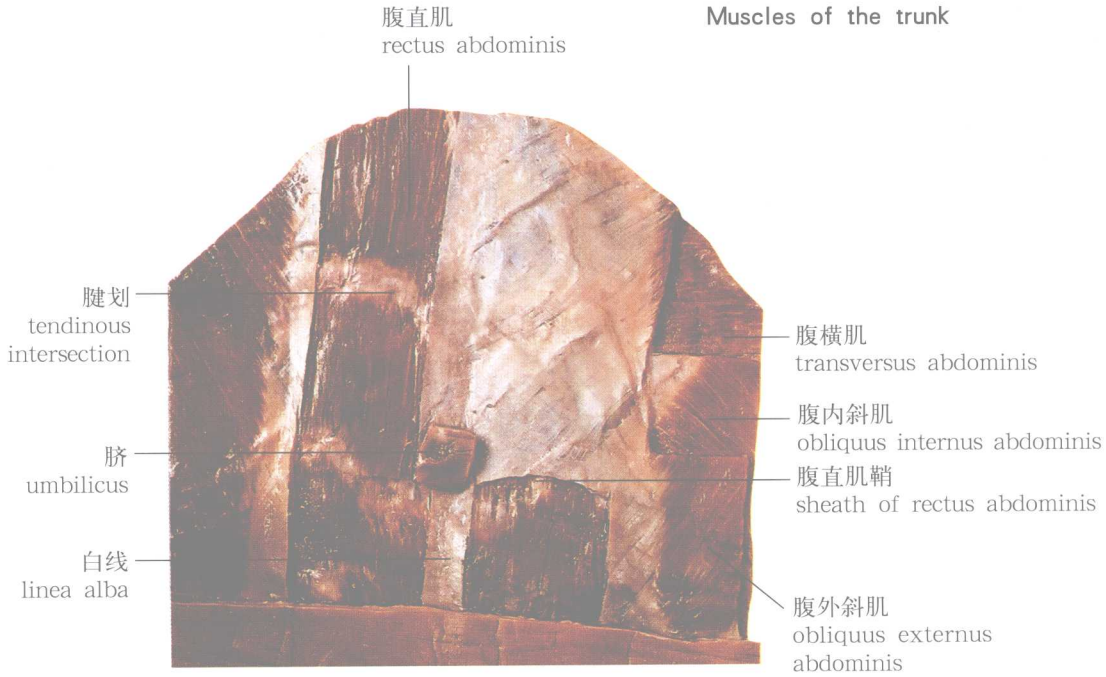


图 142　腹前外侧壁肌层
Muscular layer of the anterolateral abdominal wall

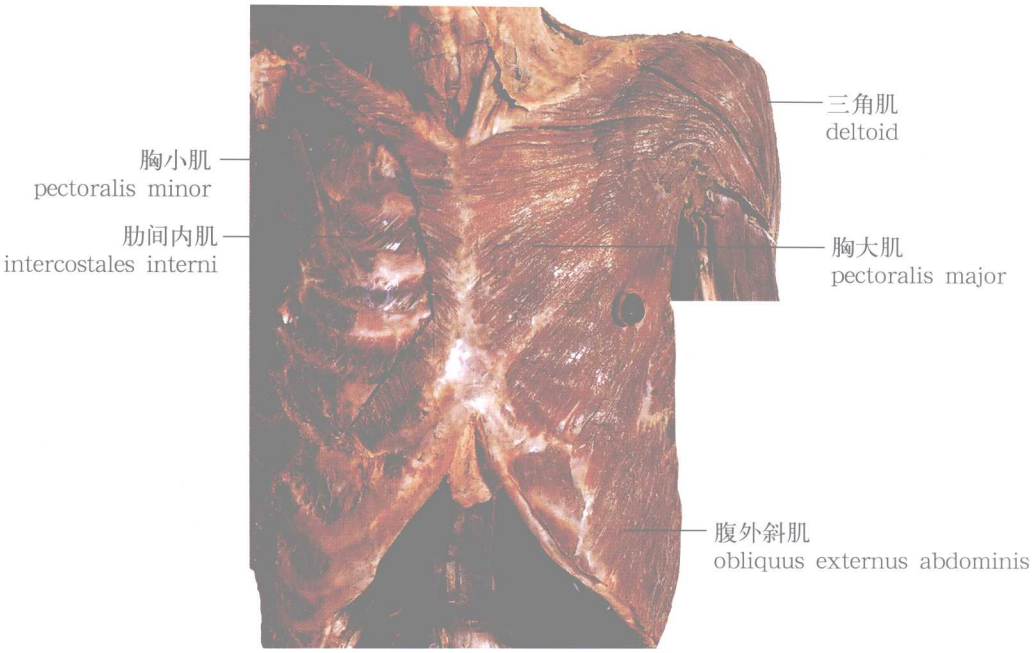


图 144　胸肌（前面观）

Muscles of the thorax (anterior aspect)

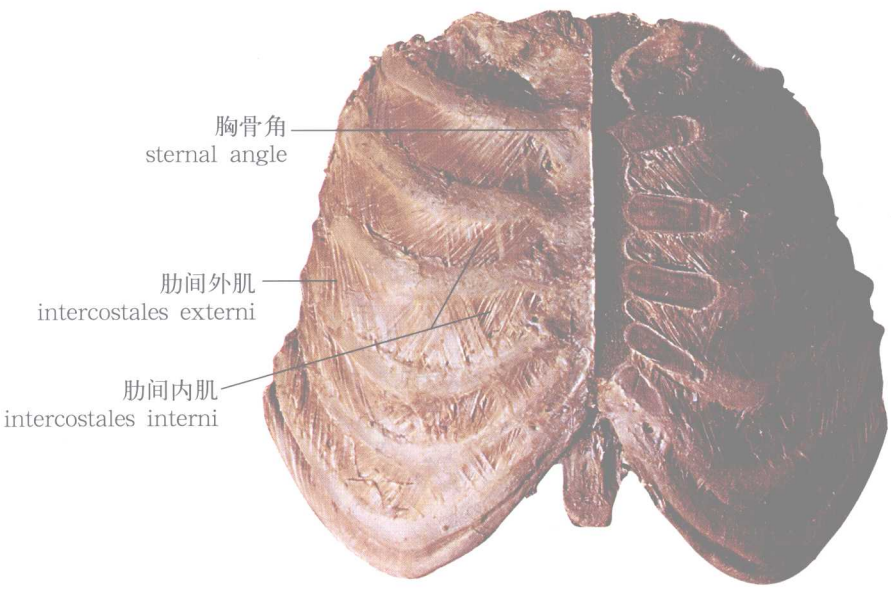


图 145　肋间肌

The intercostales

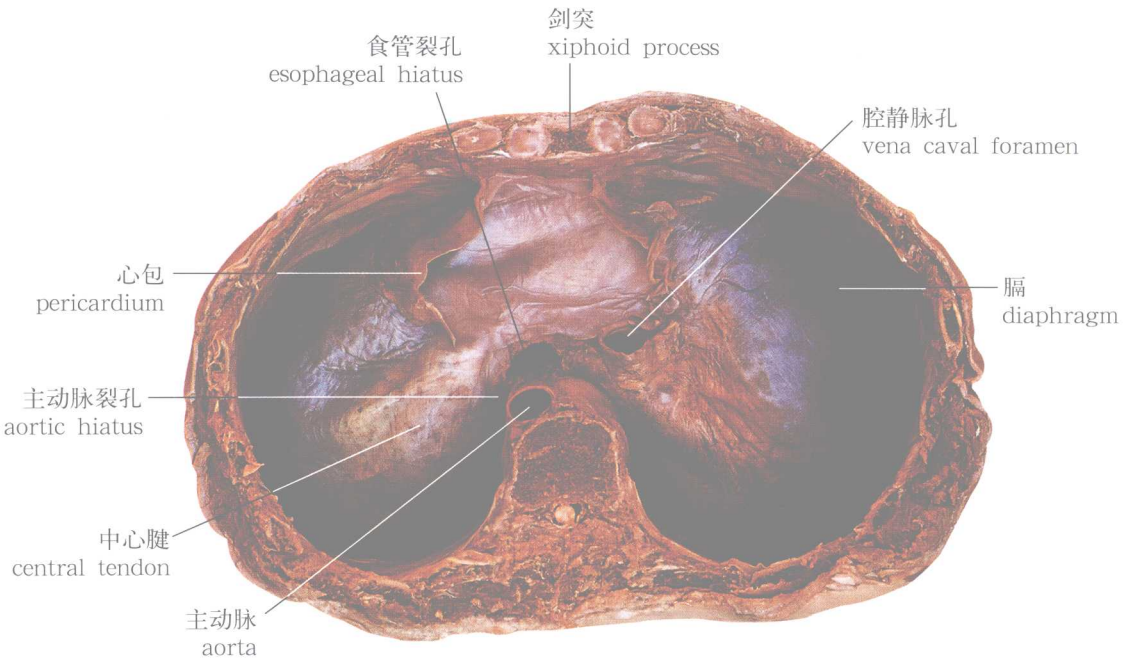


图 146 膈（上面观）

The diaphragm (superior aspect)

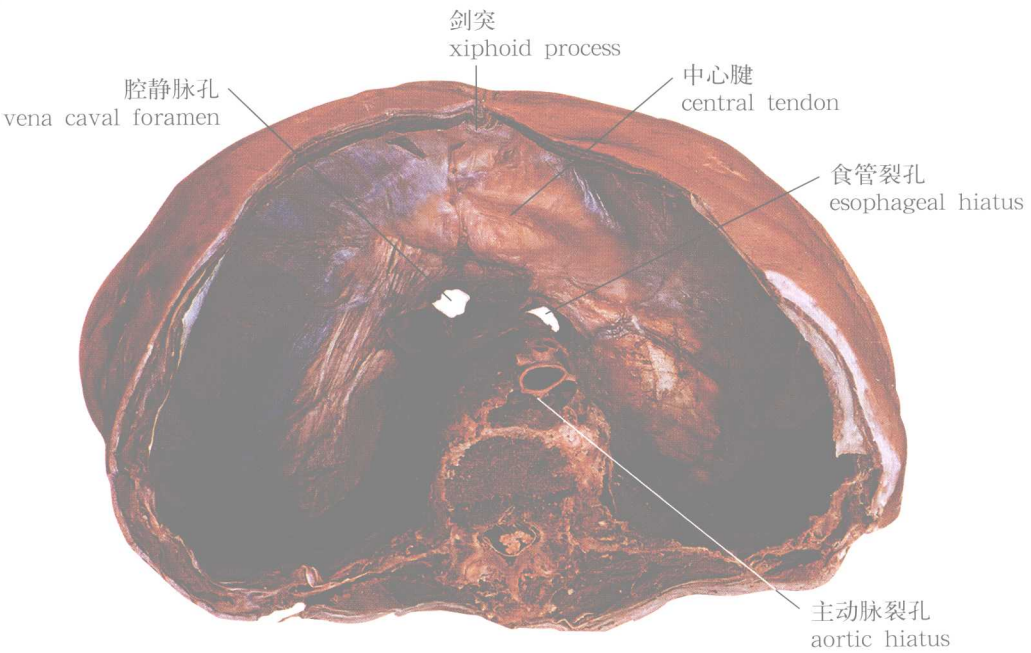
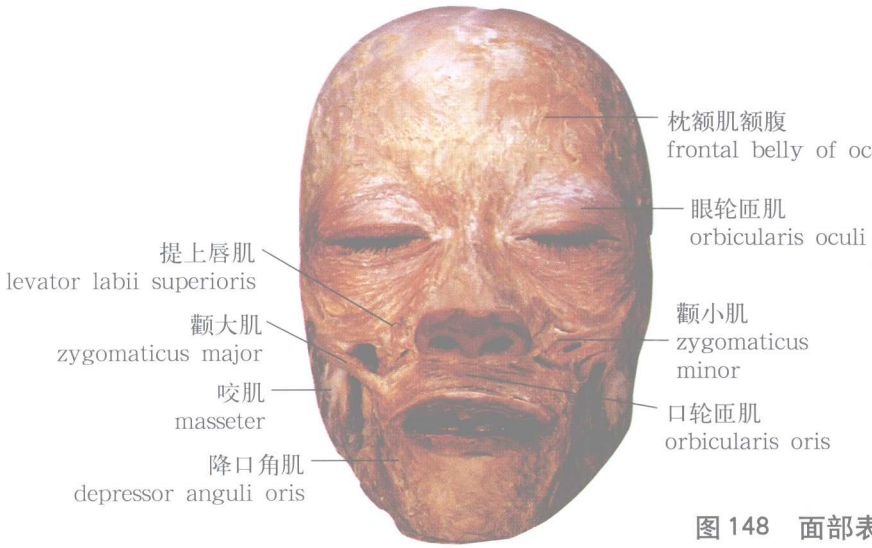


图 147 膈（下面观）

The diaphragm (inferior aspect)



面部表情肌

咬肌咬,颞肌提，翼外开口翼内闭，眼轮匝肌闭眼裂，扩大泪囊利泪流，口周围肌形态异，辐射环形口角旁，帽状腱膜枕额腹，牵拉提眉表情忙。

图 148 面部表情肌

Muscles of the facial expression

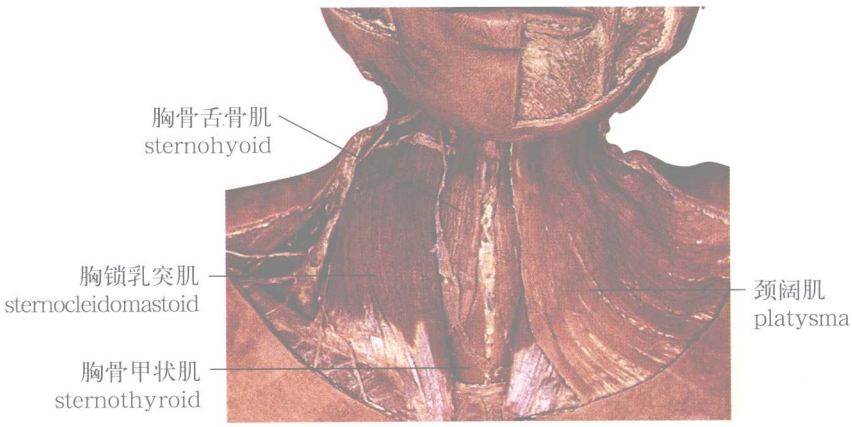


图 149 颈肌（前面观 1）

Muscles of the neck (anterior aspect 1)

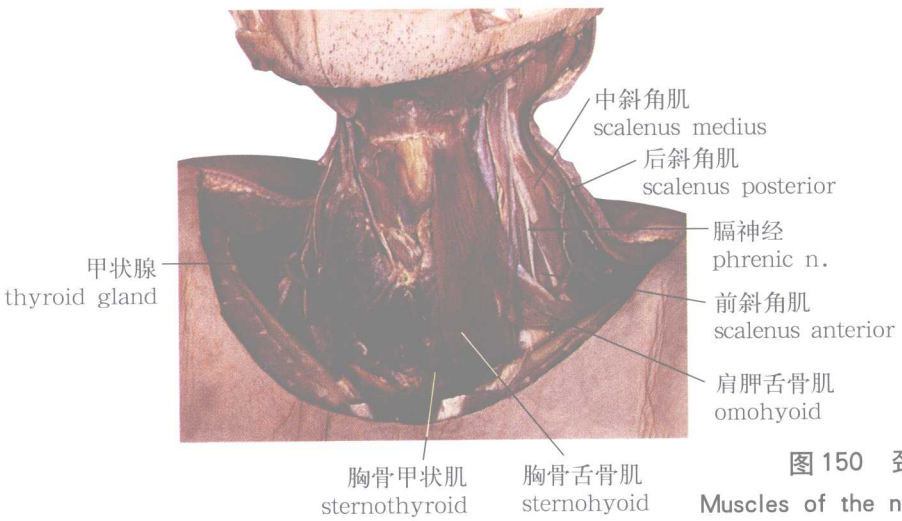


图 150 颈肌（前面观 2）

Muscles of the neck (anterior aspect 2)

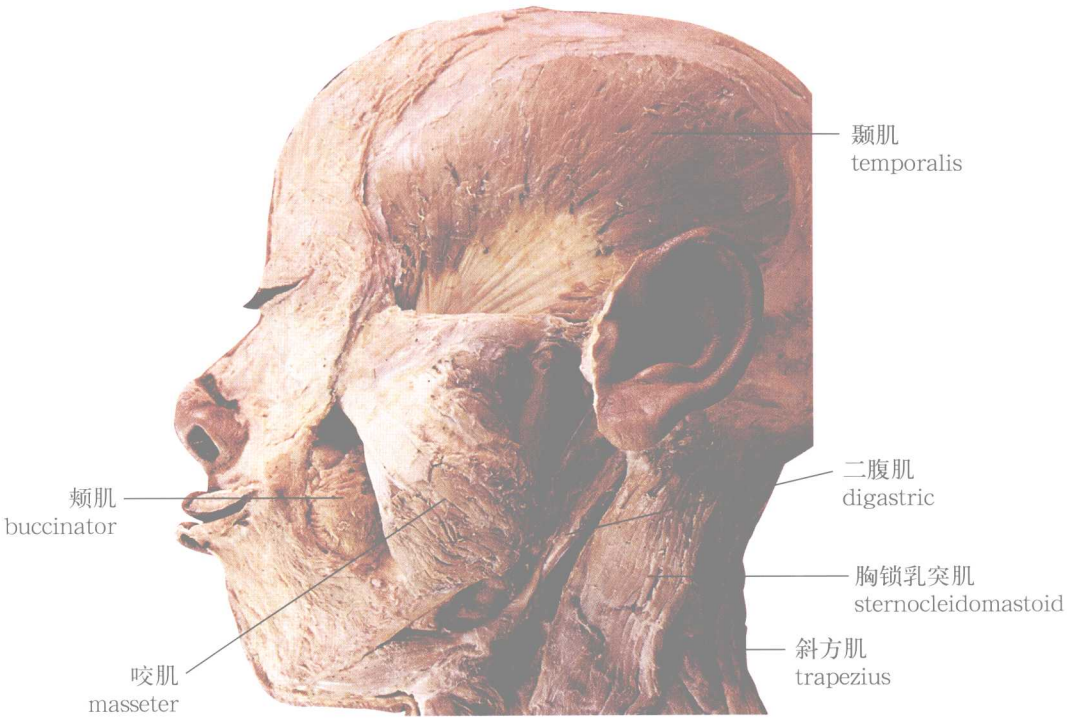


图 151　头部的肌

Muscles of the head

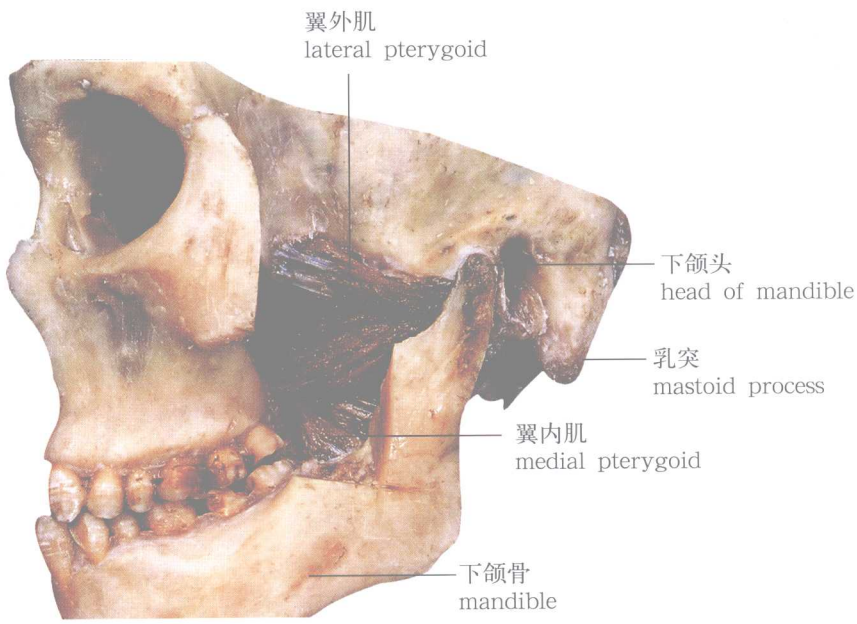


图 152　翼肌

The pterygoid

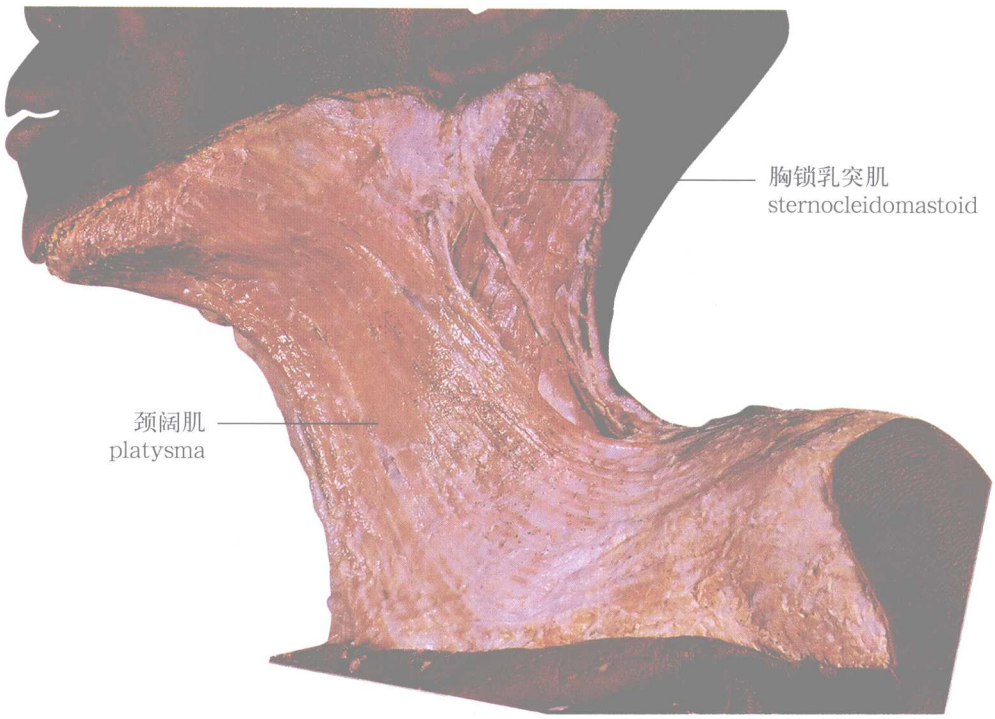


图 153　颈阔肌

The platysma

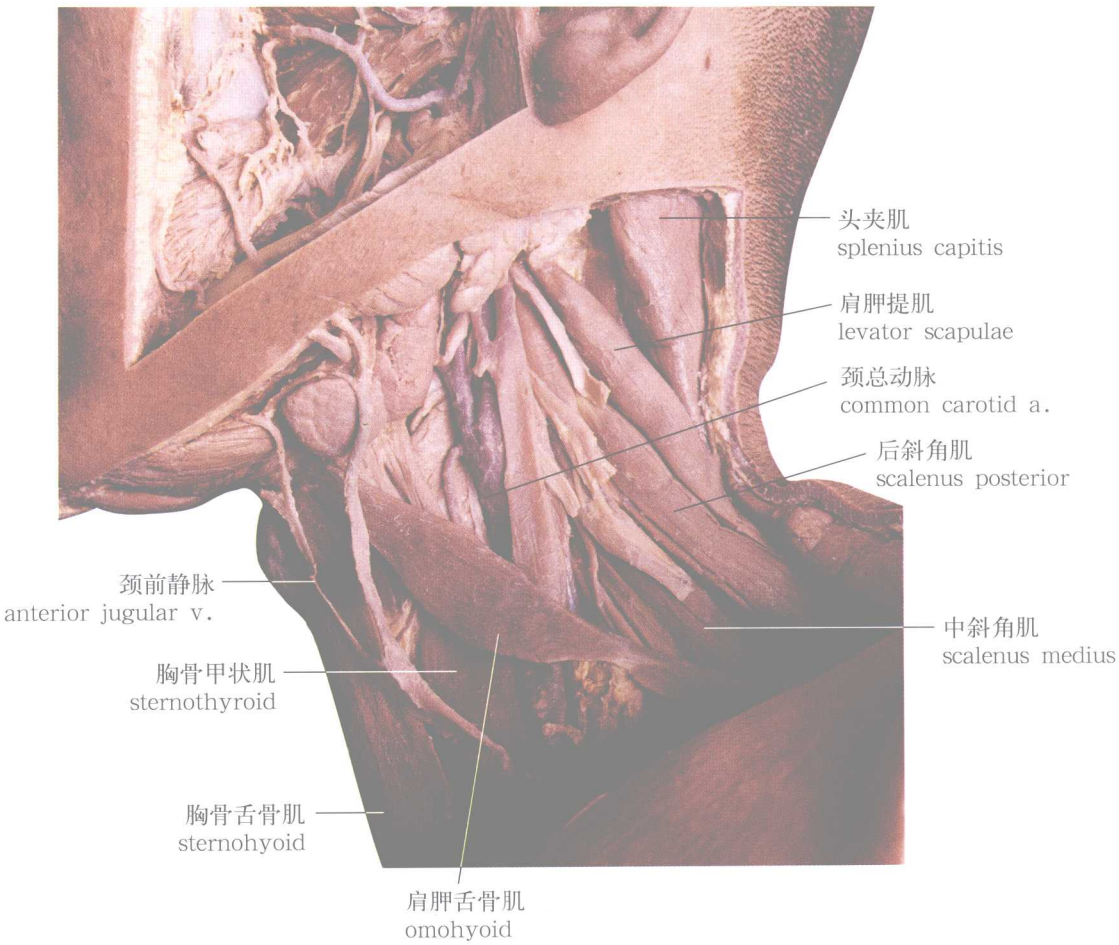


图 154　颈肌（侧面观）

Muscles of the neck (lateral aspect)

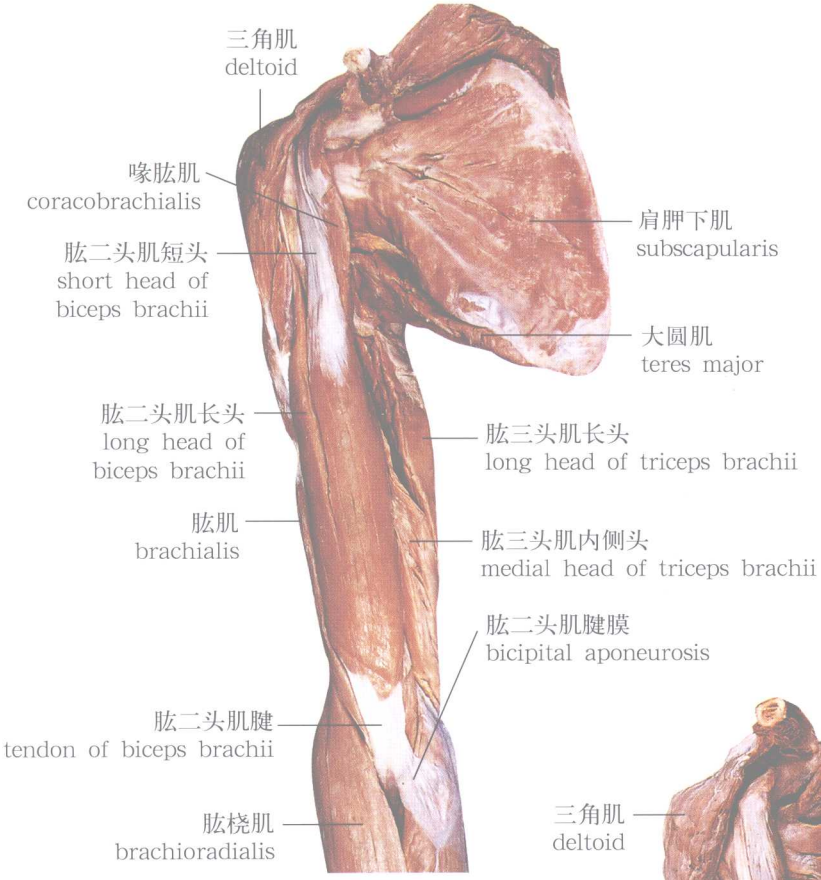


图 155　肩及臂部的肌肉（前面观 1）

Muscles of the shoulder and arm (anterior aspect 1)

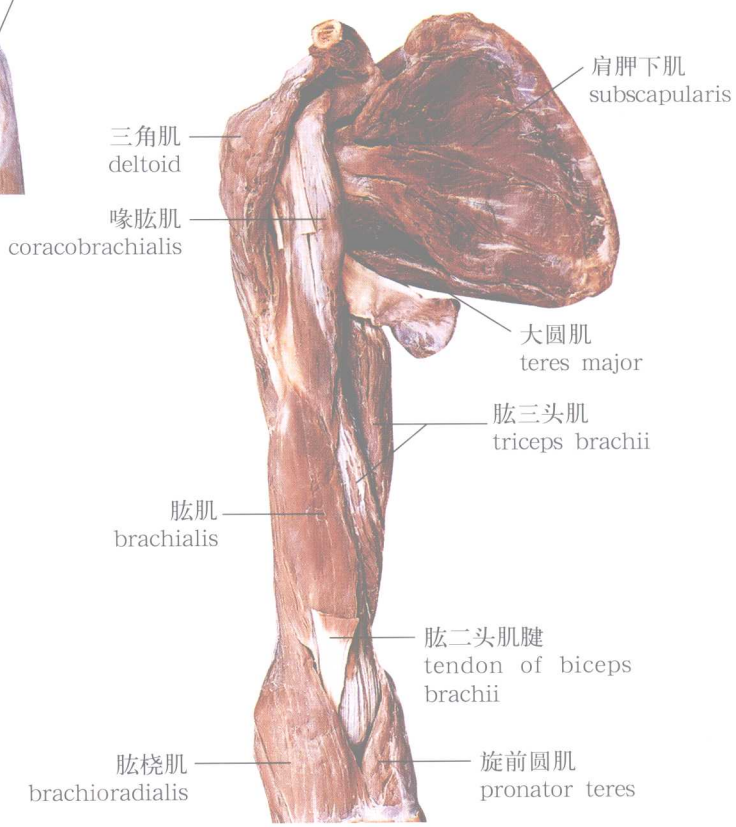


图 156　肩及臂部的肌肉（前面观 2）

Muscles of the shoulder and arm (anterior aspect 2)

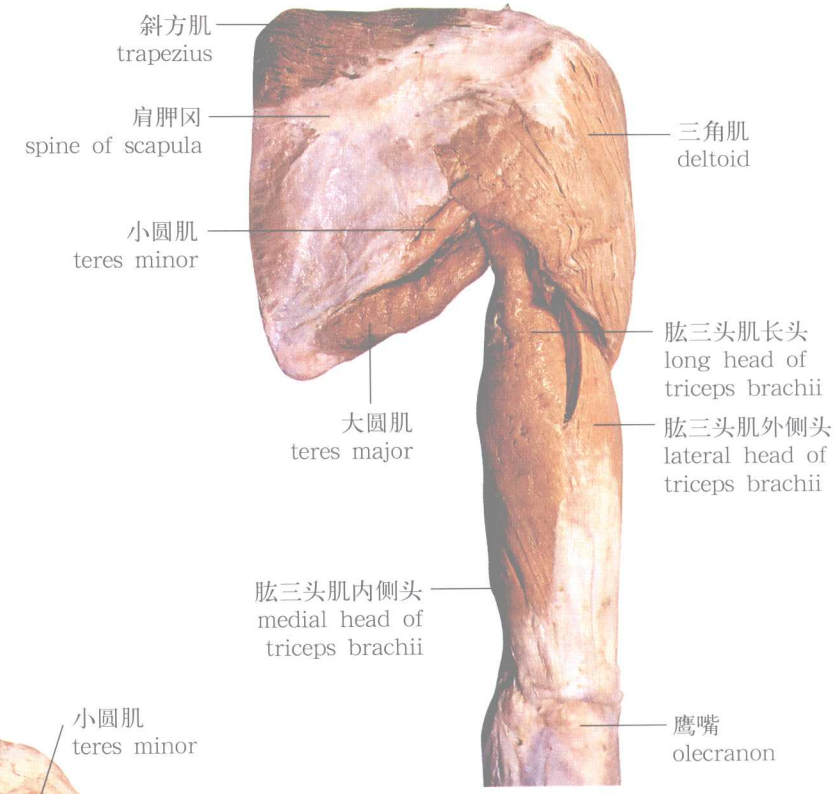


图 157　肩及臂部的肌肉（后面观 1）

Muscles of the shoulder and arm (posterior aspect 1)

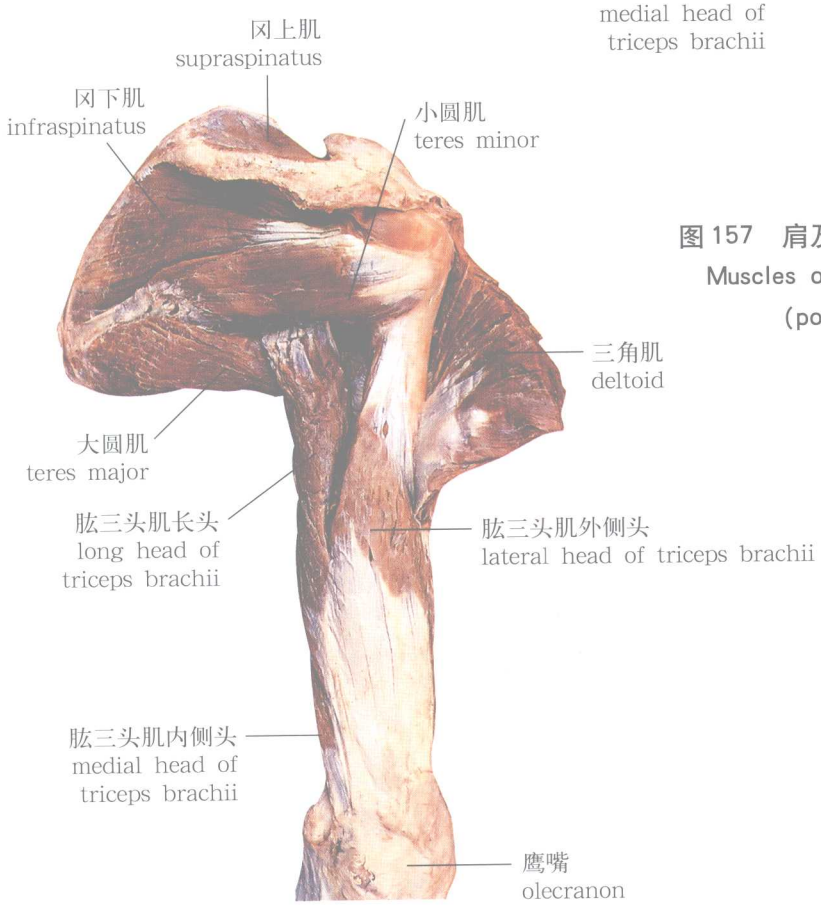


图 158　肩及臂部的肌肉（后面观 2）

Muscles of the shoulder and arm (posterior aspect 2)

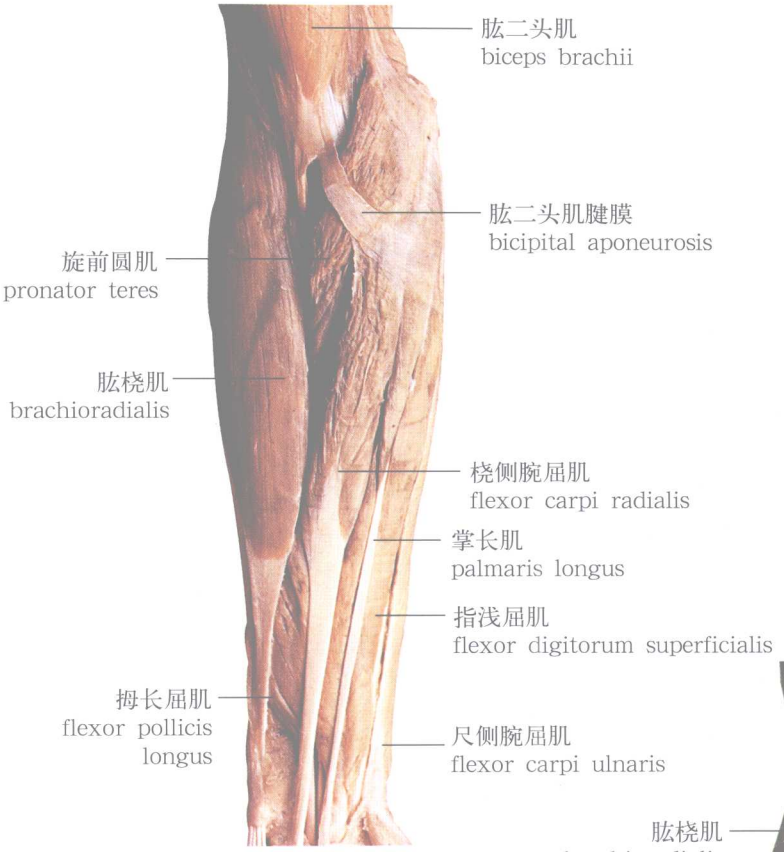


图 159　前臂肌（前面观 1）

Muscles of the forearm (anterior aspect 1)

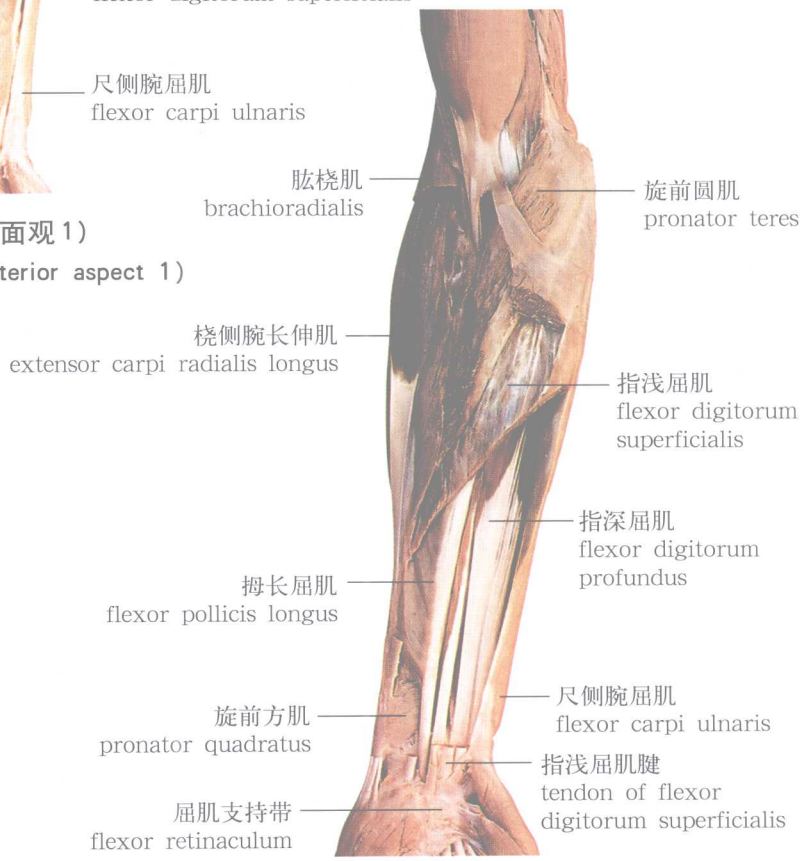


图 160　前臂肌（前面观 2）

Muscles of the forearm (anterior aspect 2)

前臂肌

桡侧伸腕有长短，
指伸小伸尺侧腕，
旋后之下拇长展，
拇指长示三伸全。

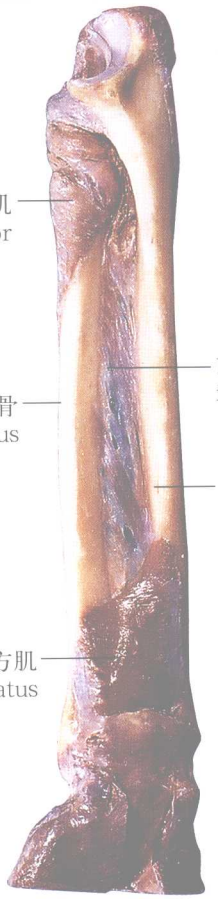


图 161　前臂肌（前面观 3）

Muscles of the forearm (anterior aspect 3)

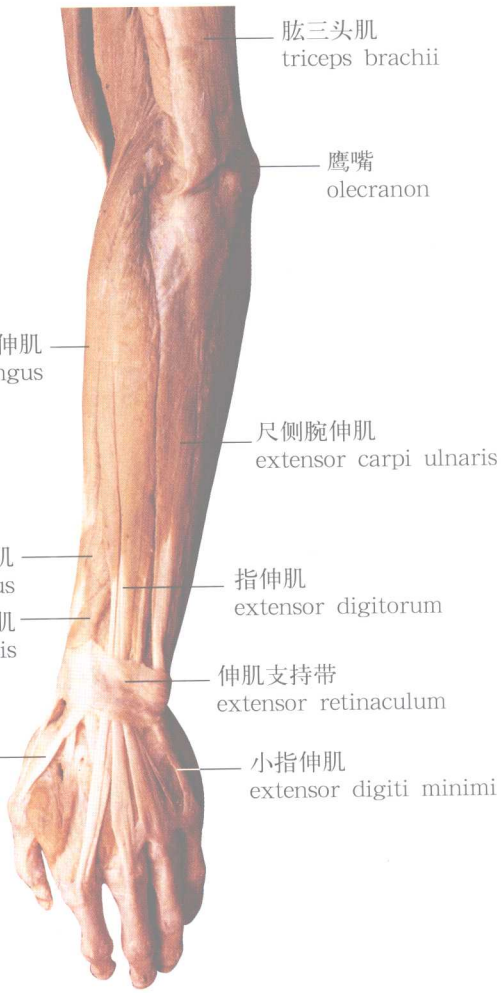


图 162　前臂肌（后面观 1）

Muscles of the forearm (posterior aspect 1)

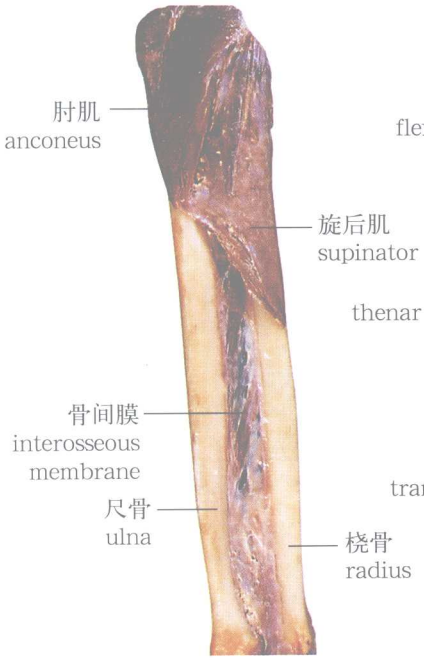


图 163 前臂肌（后面观 2）

Muscles of the forearm (posterior aspect 2)

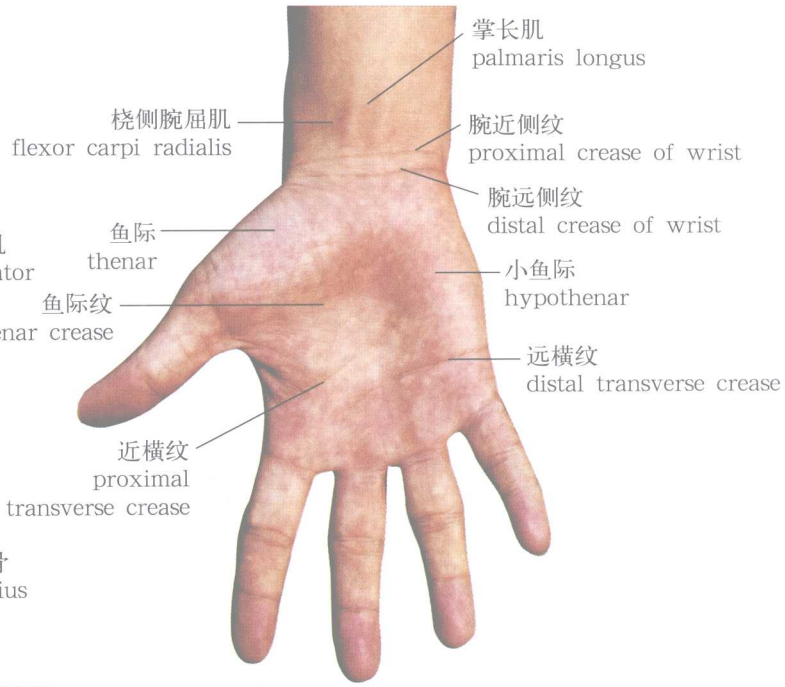


图 164 手体表标志（掌面观）

Surface markings of the hand (palmar aspect)

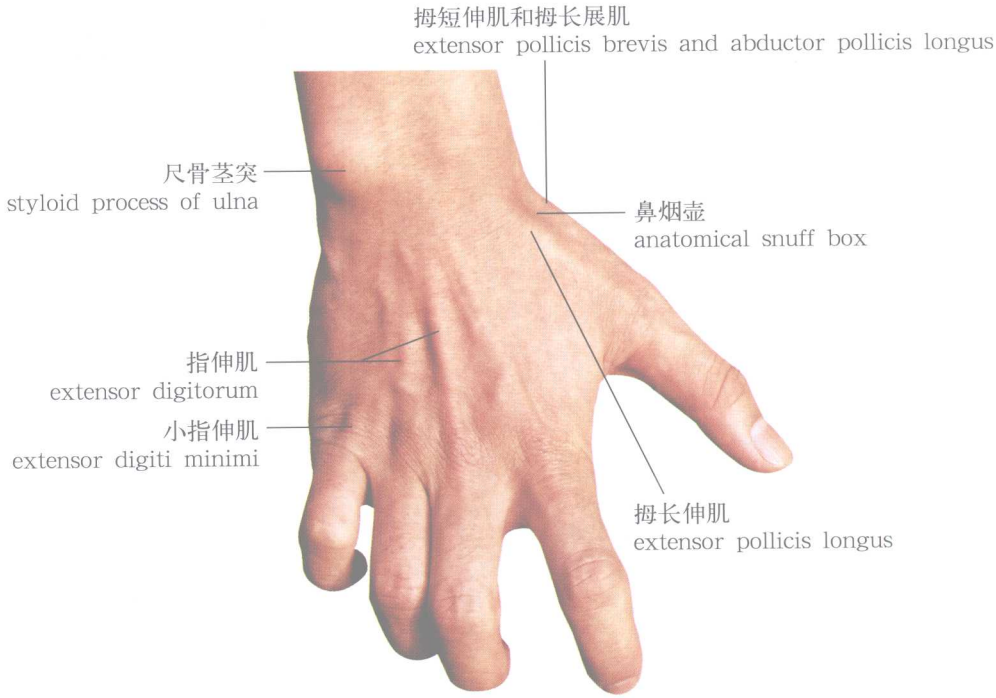


图 165 手体表标志（背面观）

Surface markings of the hand (dorsal aspect)

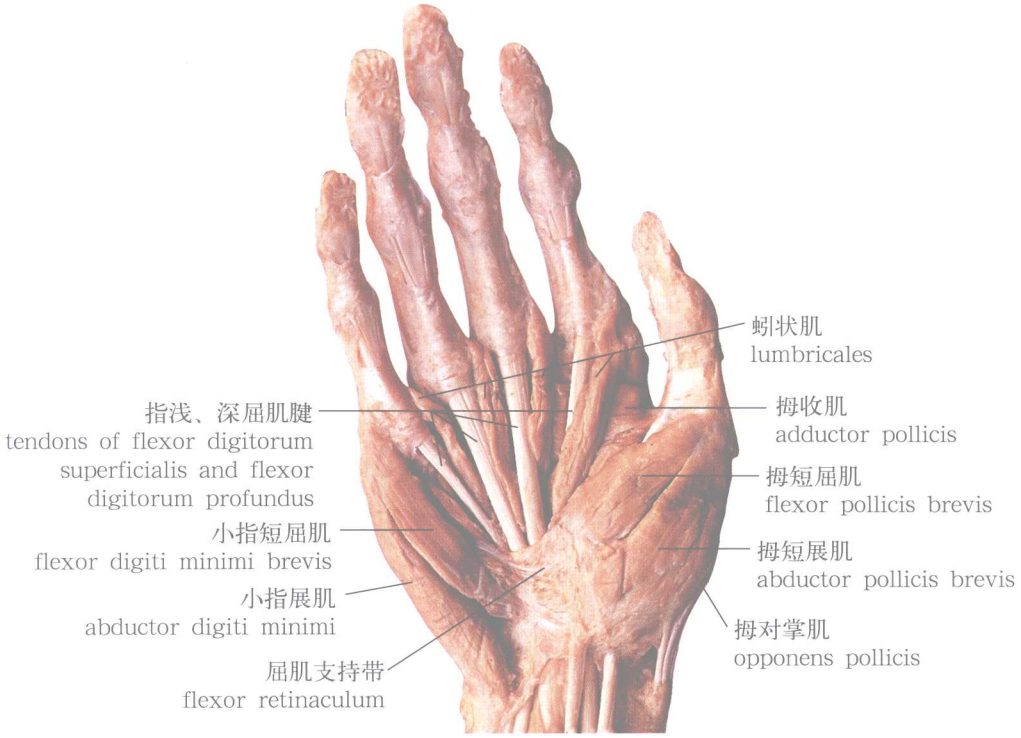


图 166　手肌（前面观 1）

Muscles of the hand (anterior aspect 1)



图 167　手肌（前面观 2）

Muscles of the hand (anterior aspect 2)

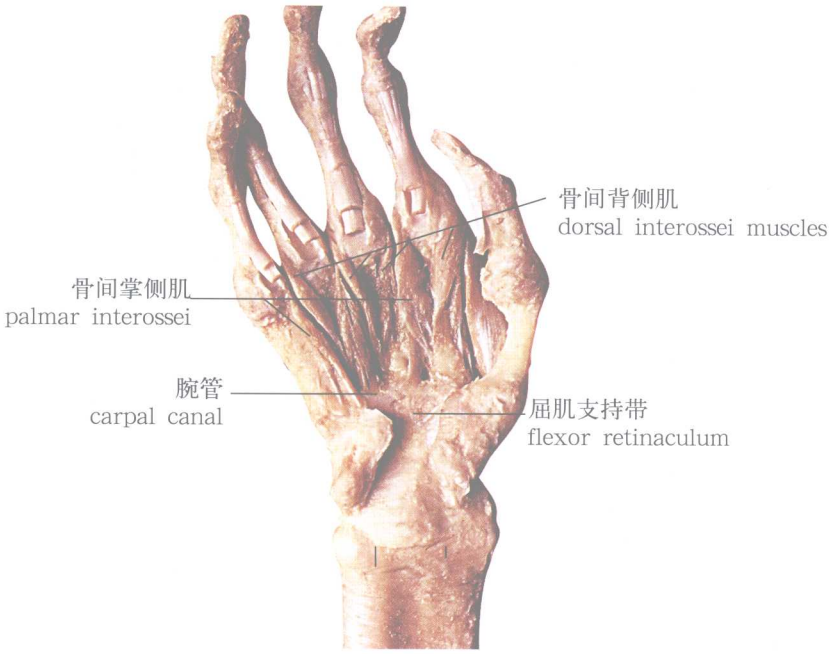


图 168　手肌（前面观 3）

Muscles of the hand (anterior aspect 3)



图 169　手背肌腱

Tendons of dorsum of the hand

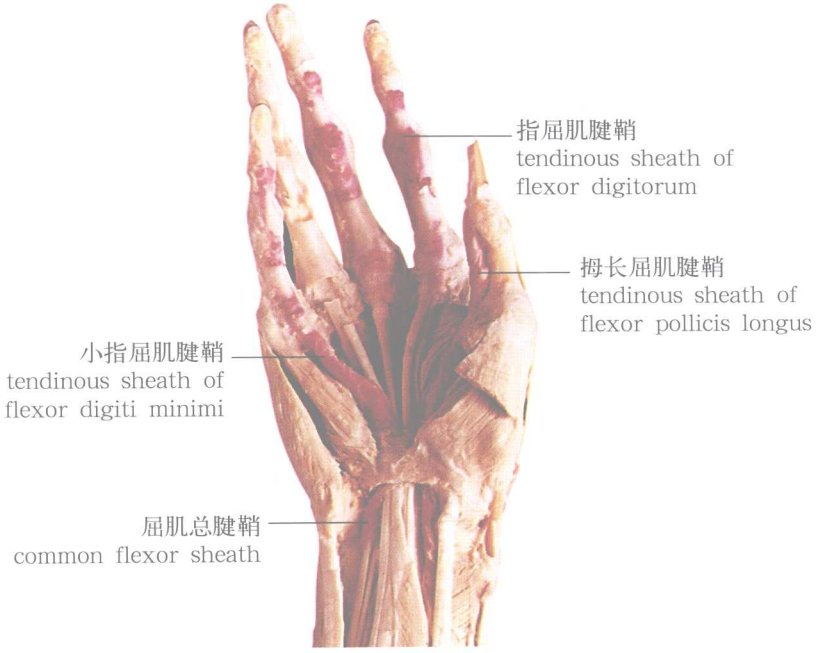


图 170　指腱鞘（前面观）

Tendinous sheaths of the fingers (anterior aspect)

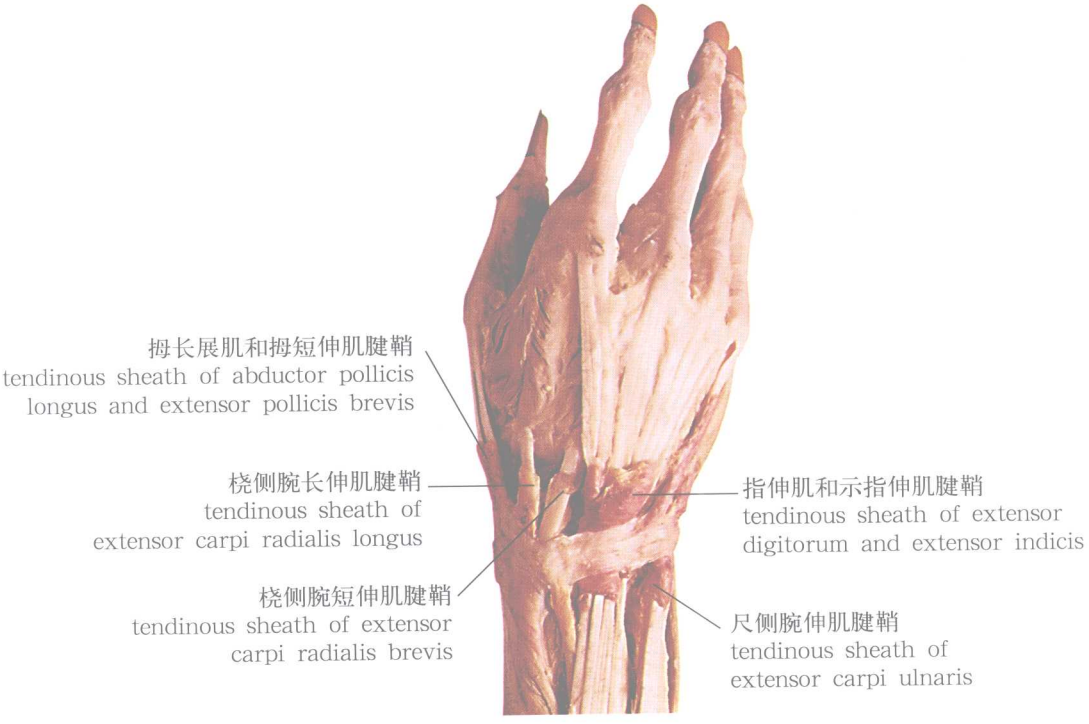


图 171　指腱鞘（后面观）

Tendinous sheaths of the fingers (posterior aspect)

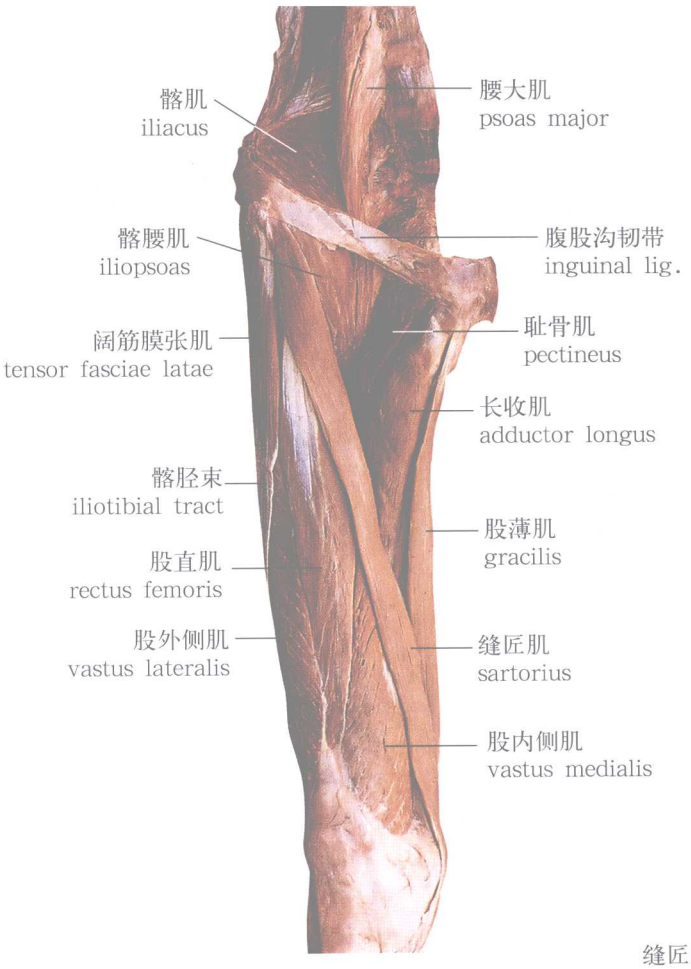


图 172　大腿肌（前面观 1）

Muscles of the thigh (anterior aspect 1)

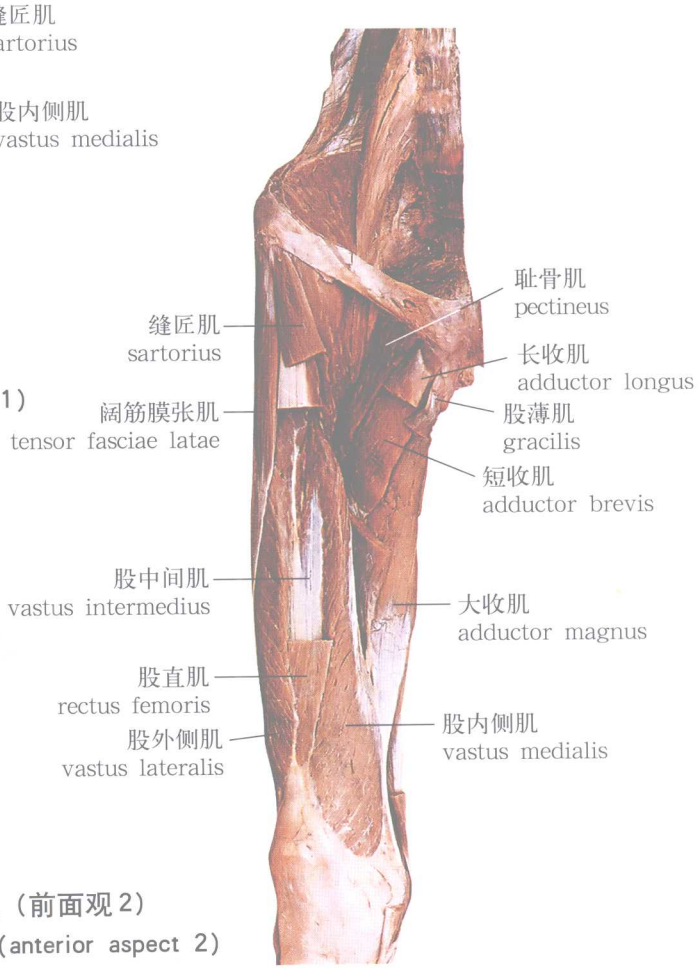


图 173　大腿肌（前面观 2）

Muscles of the thigh (anterior aspect 2)

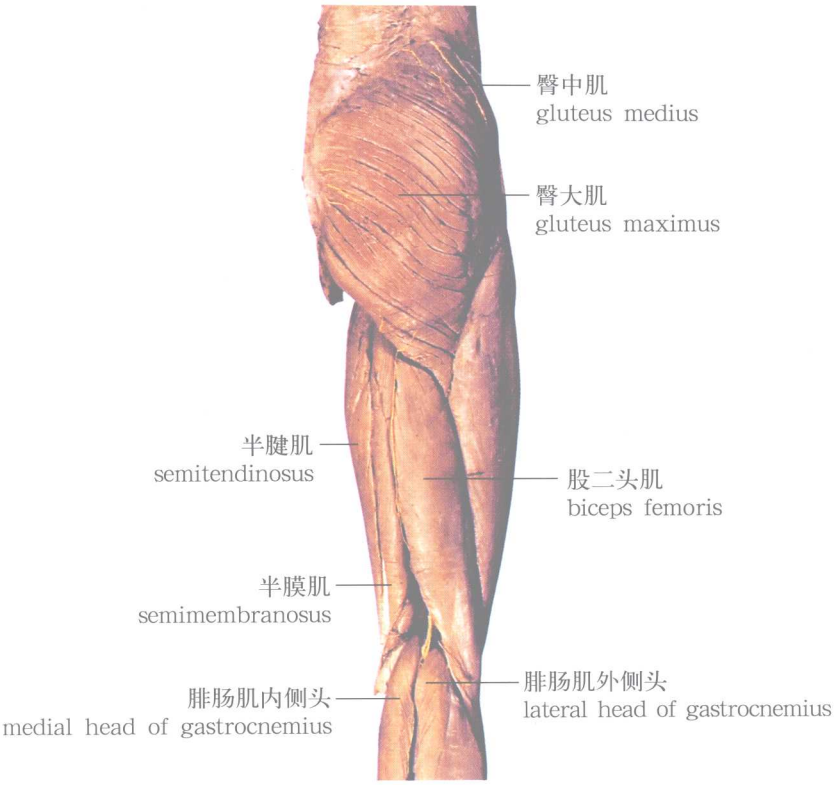


图 174　髋肌和大腿肌（后面观）

Muscles of the hip and thigh (posterior aspect)

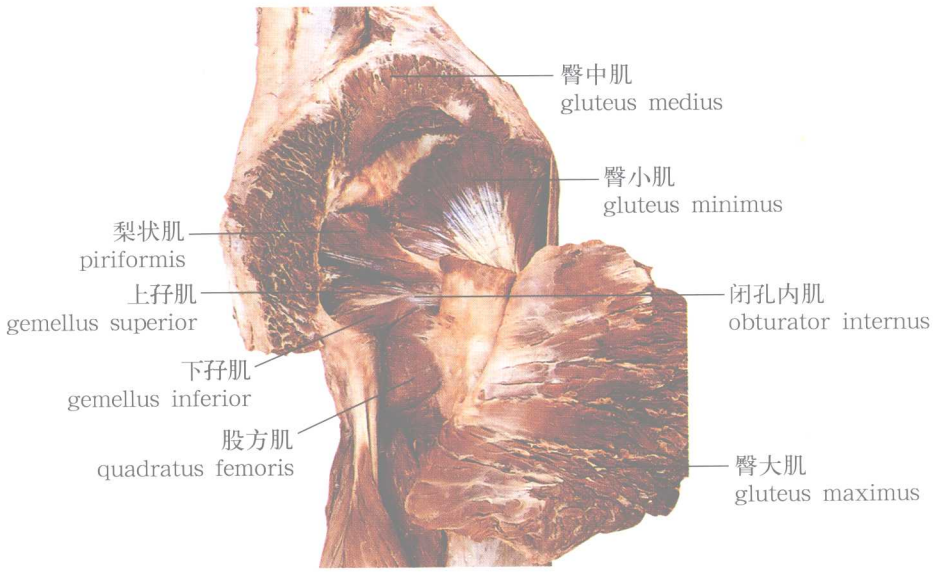


图 175　髋肌（后面观）

Muscles of the hip (posterior aspect)

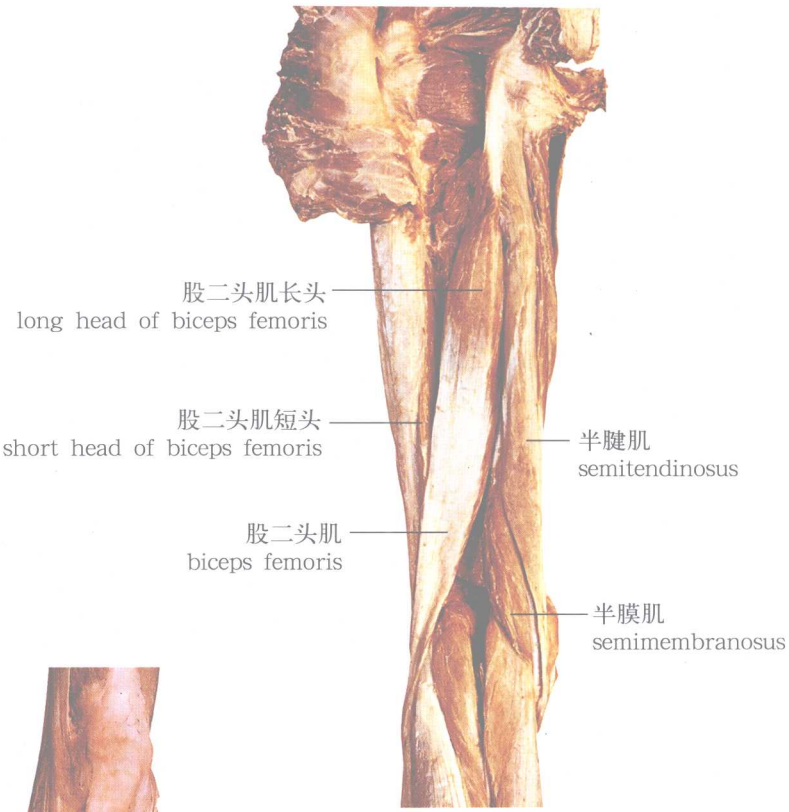


图 176　大腿肌（后面观）

Muscles of the thigh (posterior aspect)

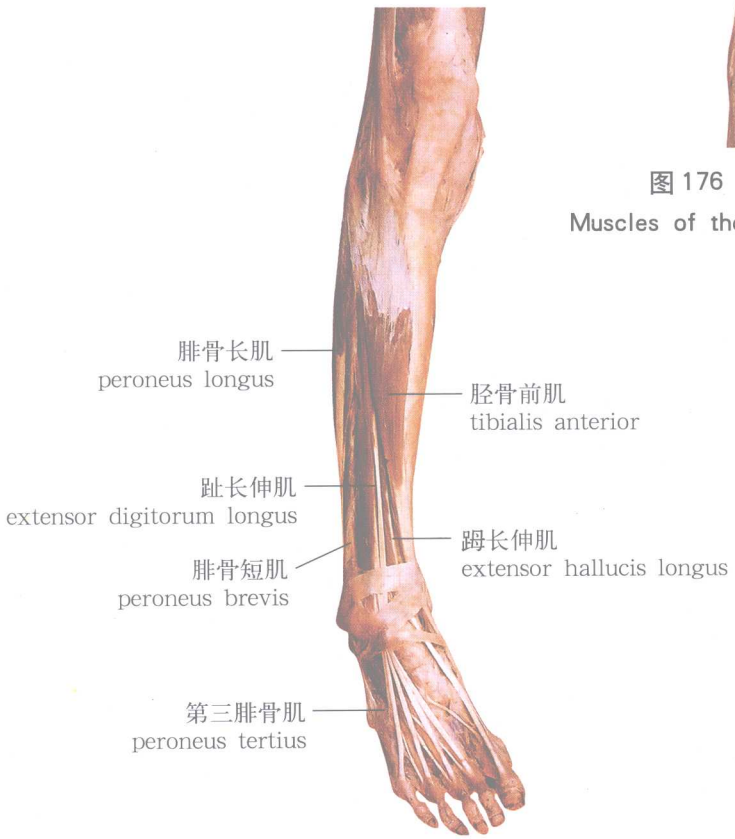


图 177　小腿肌（前面观）

Muscles of the leg (anterior aspect)

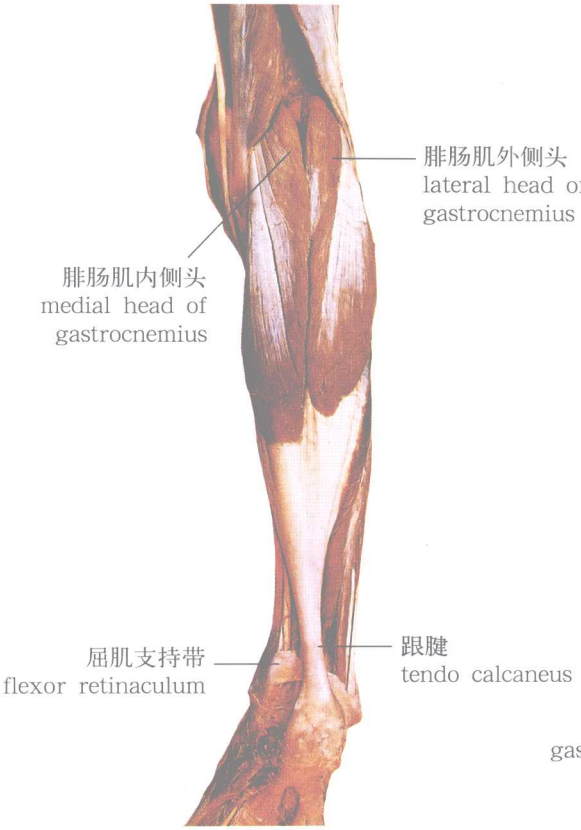


图 178　小腿肌（后面观 1）

Muscles of the leg　(posterior aspect 1)

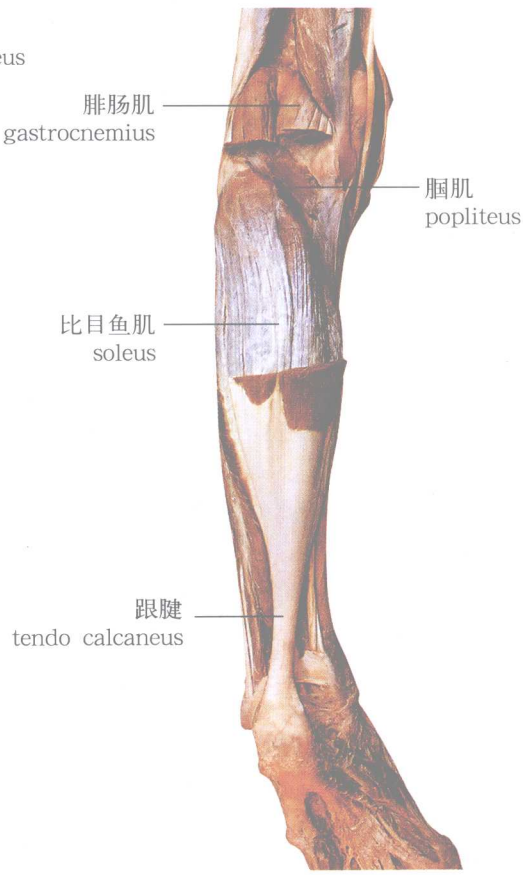


图 179　小腿肌（后面观 2）

Muscles of the leg　(posterior aspect 2)

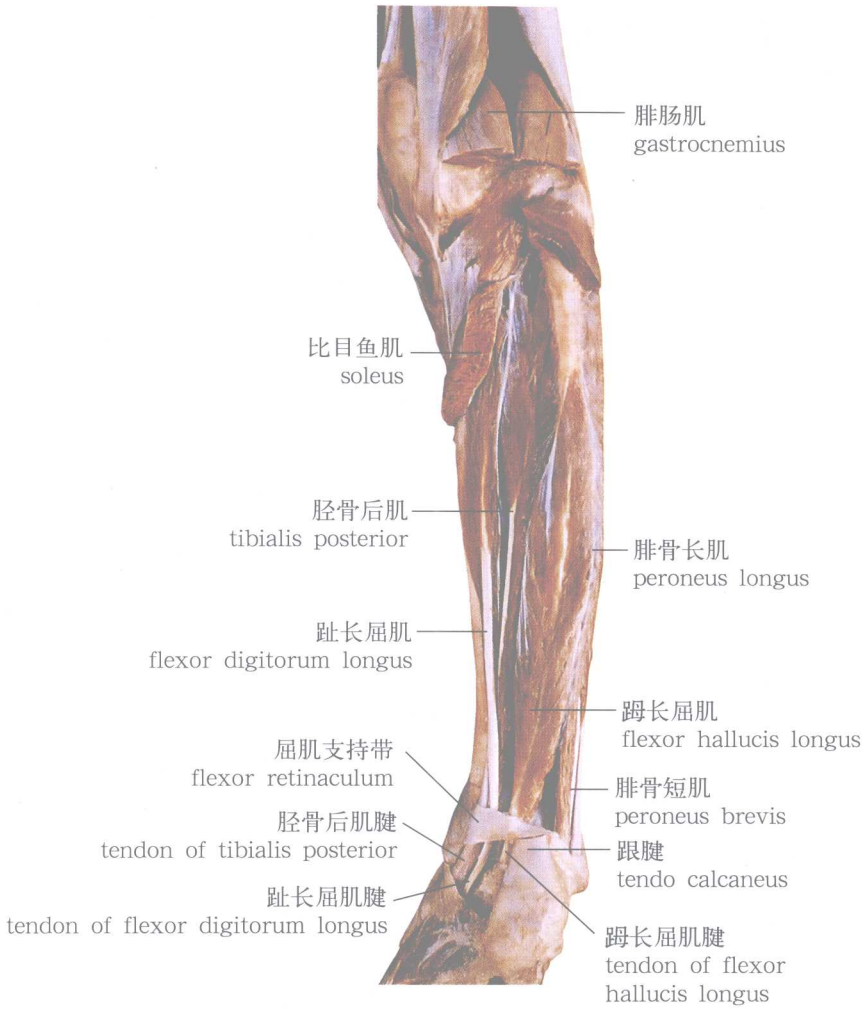


图 180　小腿肌（后面观 3）

Muscles of the leg (posterior aspect 3)



图 181　足背的体表标志

Surface markings of dorsum of the foot

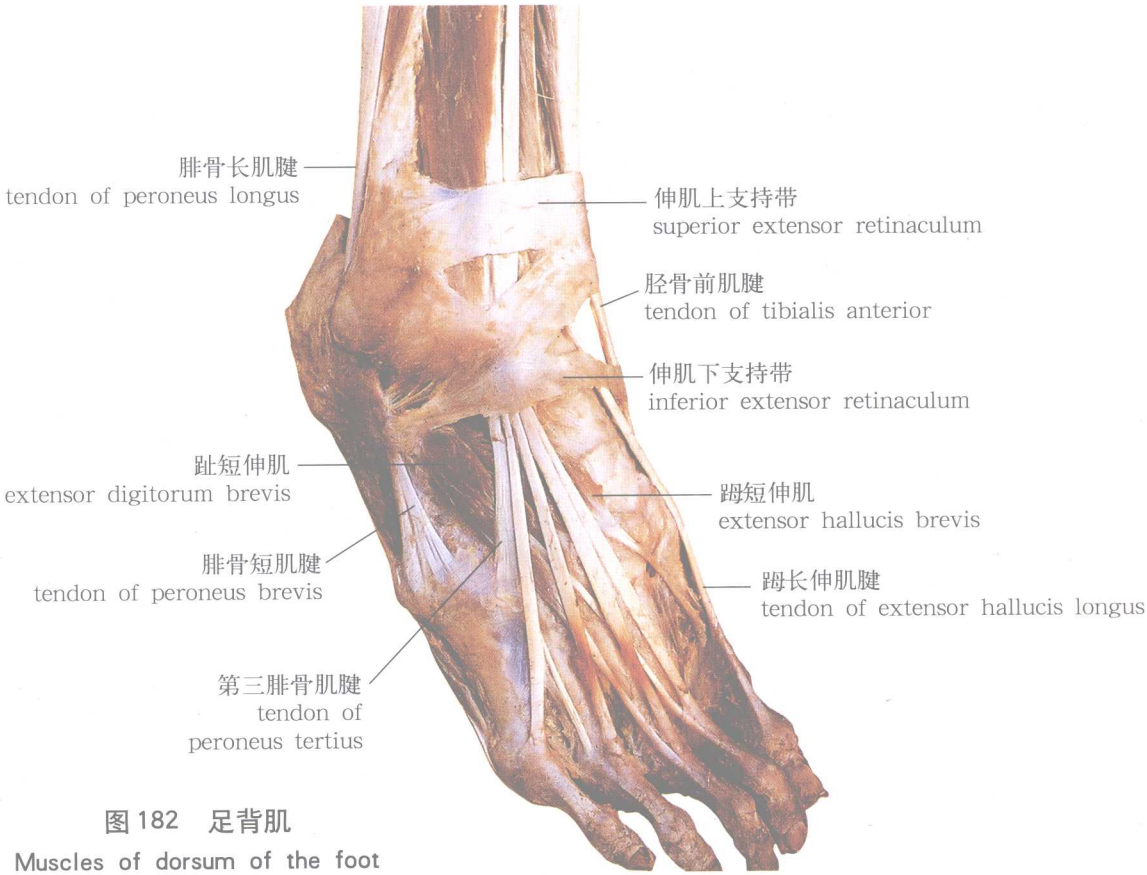


图 182　足背肌

Muscles of dorsum of the foot



图 183　足底肌（1）

Muscles of sole of the foot (1)



图 184　足底肌（2）

Muscles of sole of the foot (2)

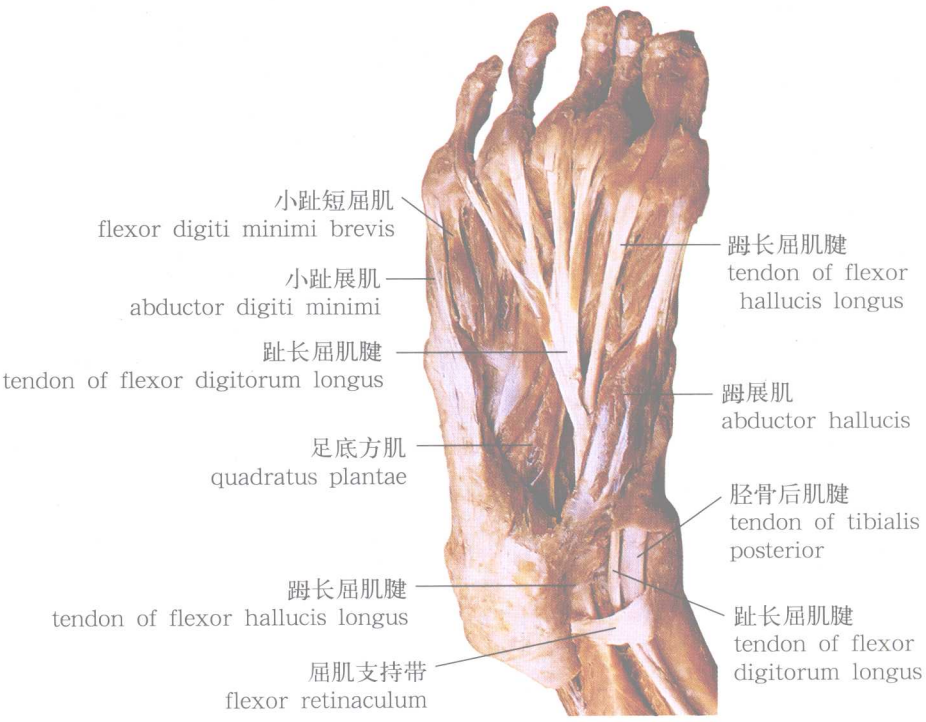


图 185　足底肌（3）

Muscles of sole of the foot (3)



图 186　足底肌（4）

Muscles of sole of the foot (4)

第4章

内脏学概论

GENERAL DESCRIPTION OF SPLANCHNOLOGY

Chapter 4

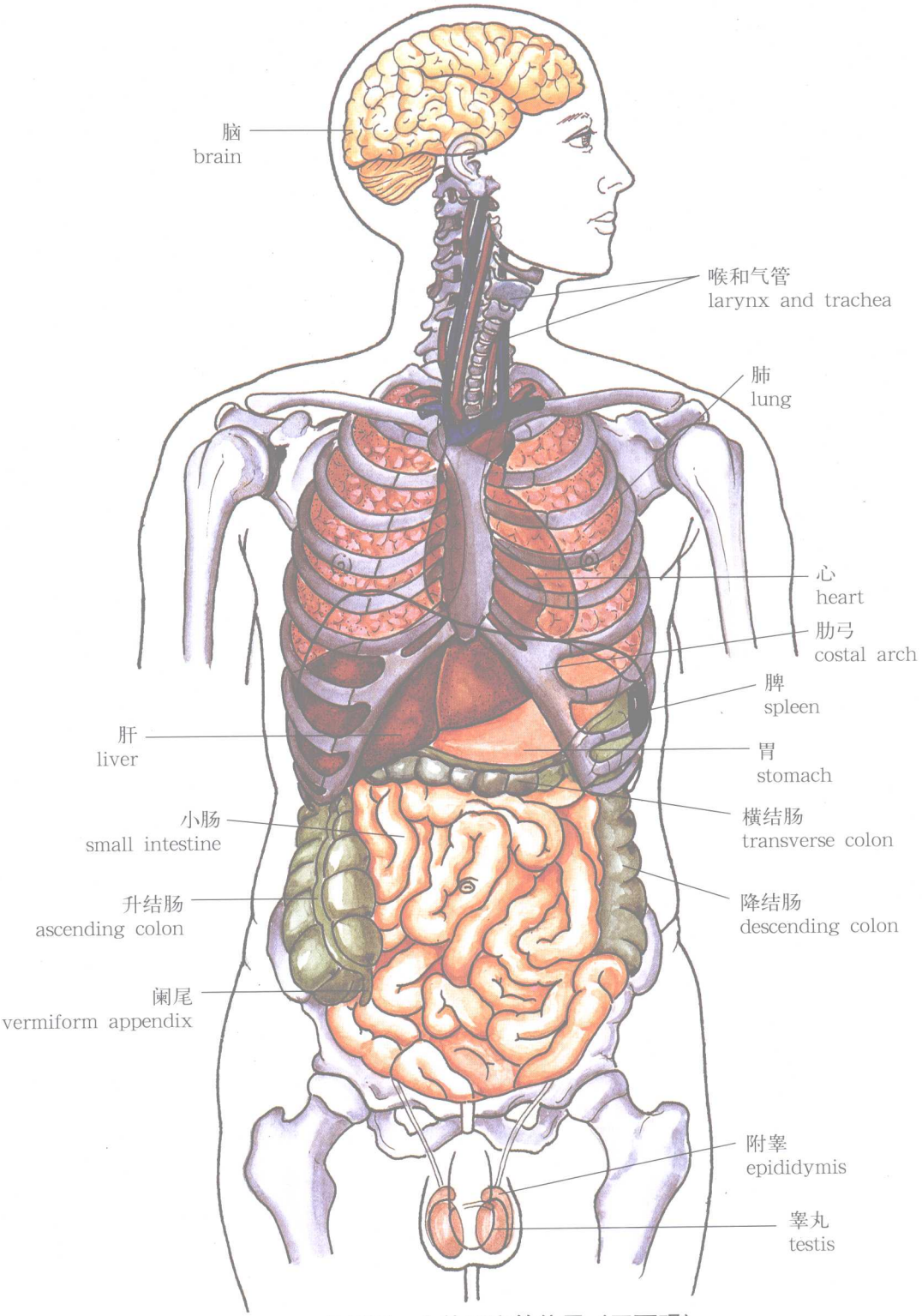


图 187　人体器官的位置（正面观）

Position of the human organs (anterior aspect)

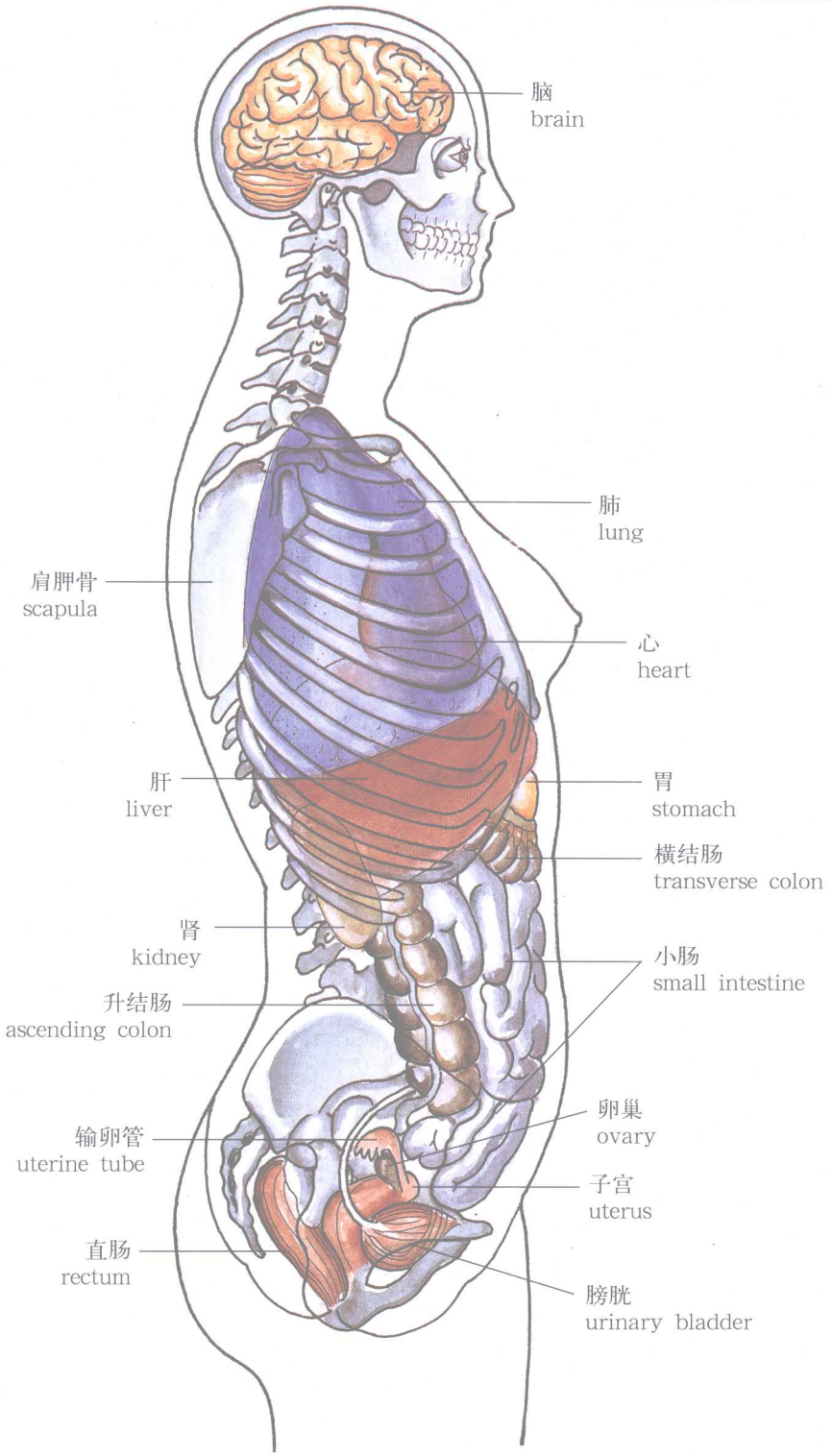


图 188　人体器官的位置（右侧面观）

Position of the human organs (right lateral aspect)

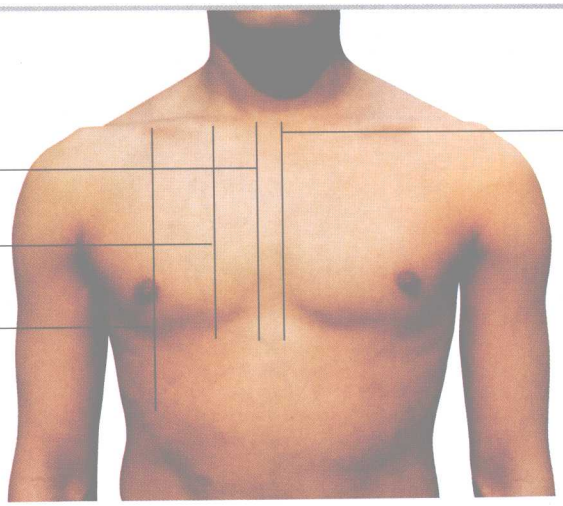


图 189 胸部标志线
Reference lines of the thorax

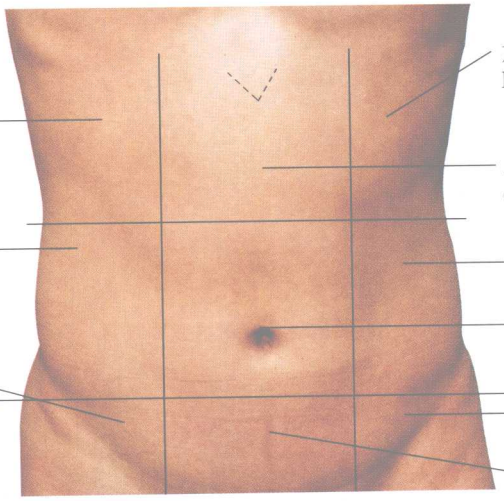


图 190 腹部分区
Regions of the abdomen

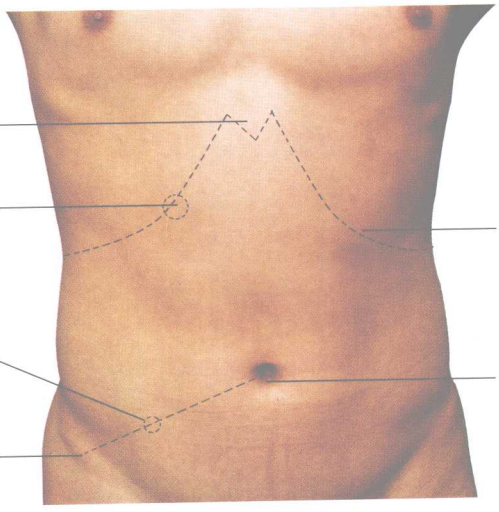


图 191 腹前壁体表标志
Surface markings of the anterior abdominal wall

第5章 消化系统

DIGESTIVE SYSTEM

Chapter 5

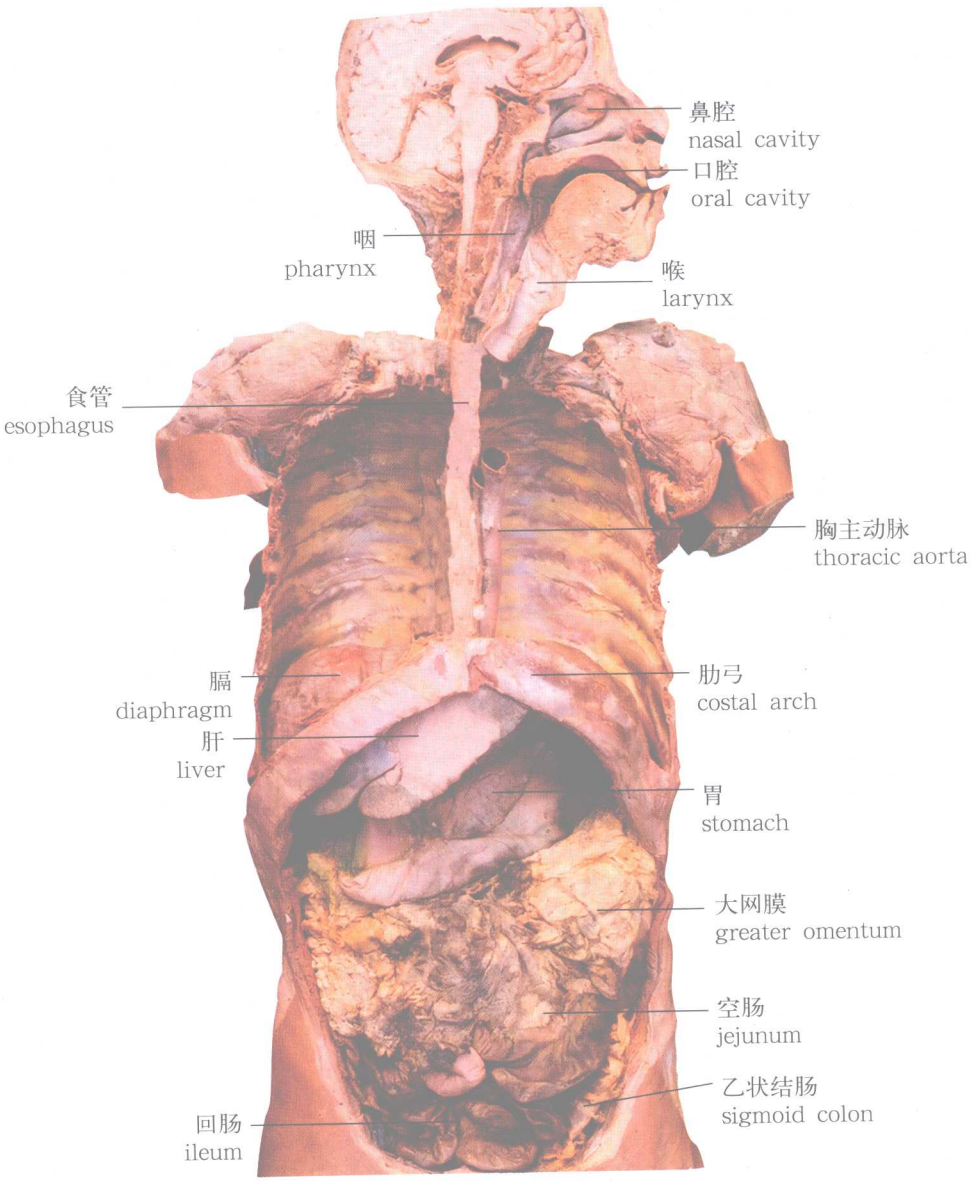
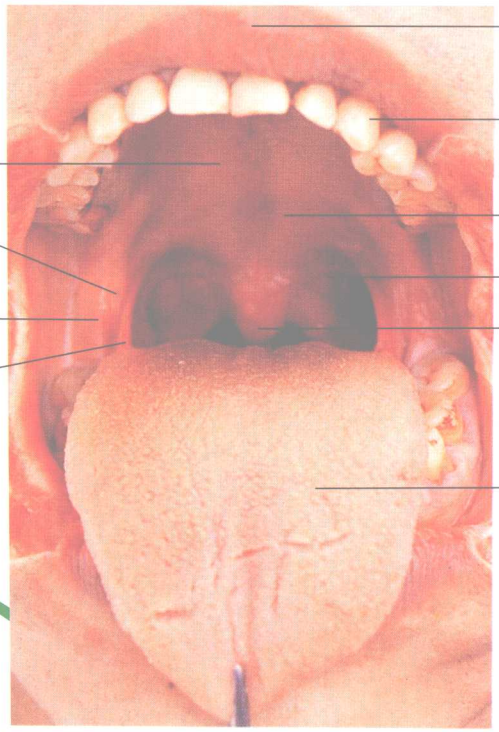


图 192　消化系统概观

General arrangement of the digestive system



口 腔

舌上乳头数目多，丝菌轮廓叶乳头，舌下正中一系带，饮食发音离不开，系带两侧阜和襞，唾液腺体导管排，舌肌分为内和外，颏舌损伤舌尖偏。

图 193 口腔和咽峡

The oral cavity and isthmus of the fauces

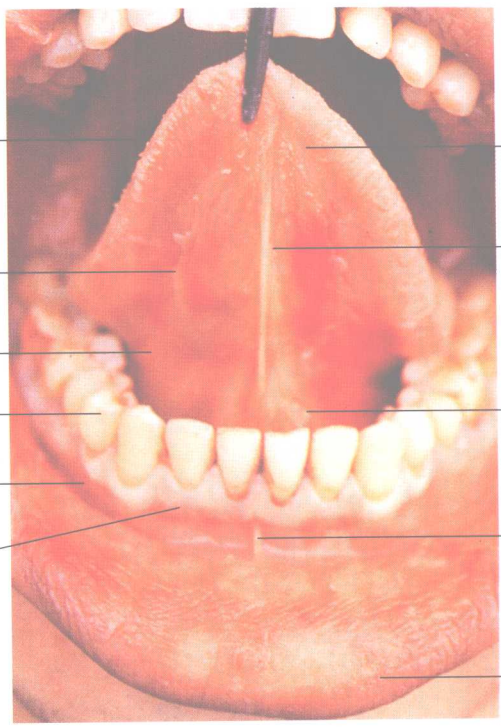


图 194 口腔

The oral cavity

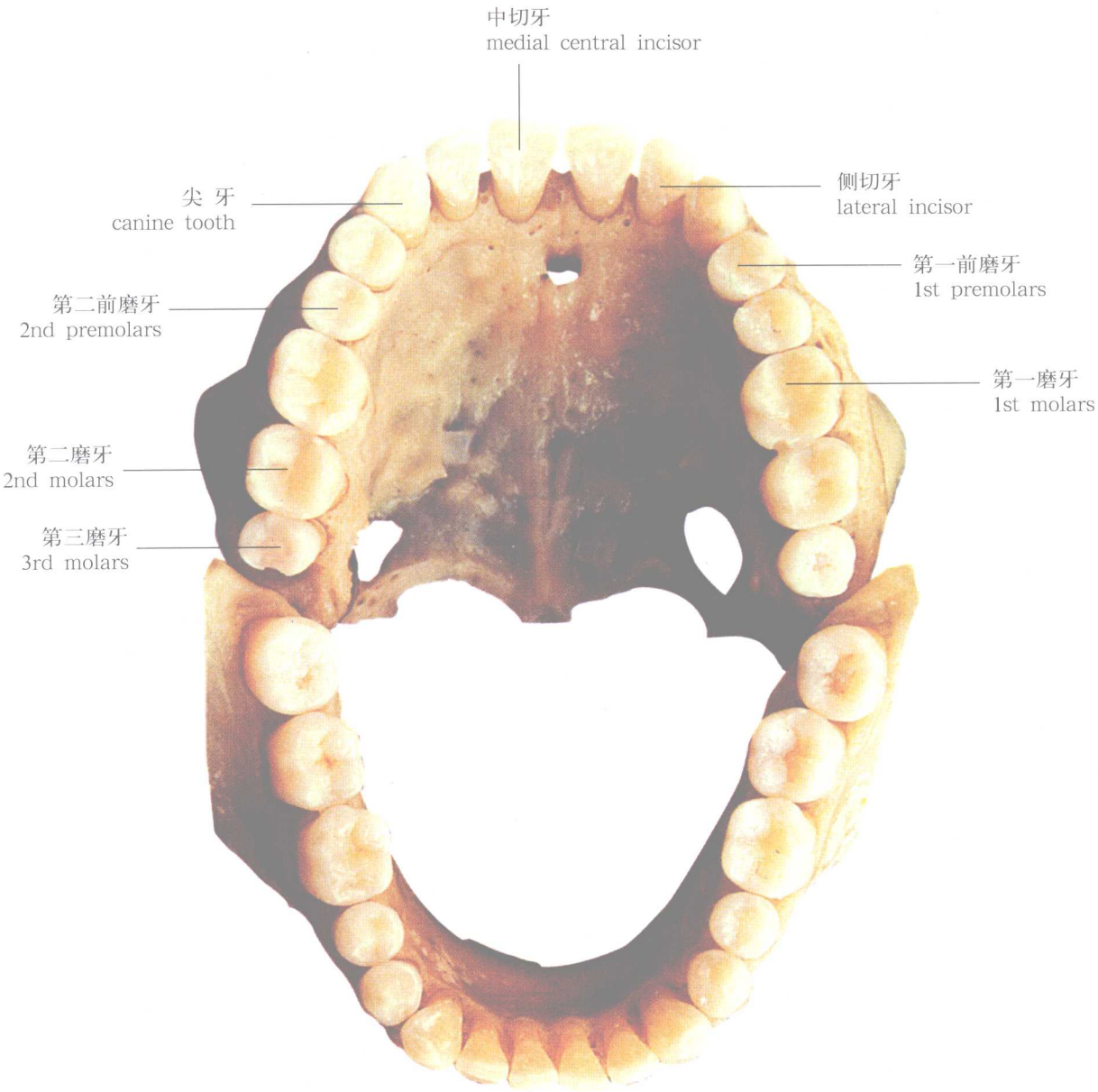
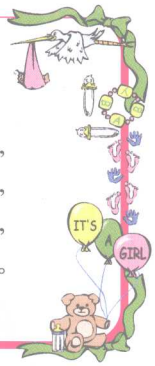


图 195 恒牙（1）

The permanent teeth (1)

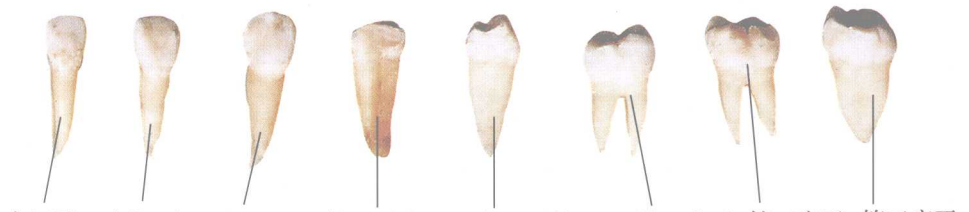
恒 牙

牙形分为冠颈根，牙根数目不相同，
下磨二，上磨三，其他牙根均为单，
上一前磨有变化，有人双来有人三，
第三磨牙叫智牙，萌出时间属最晚。





上颌恒牙
permanent teeth of maxilla



下颌恒牙
permanent teeth of mandible

图 196 恒牙(2)
The permanent teeth (2)

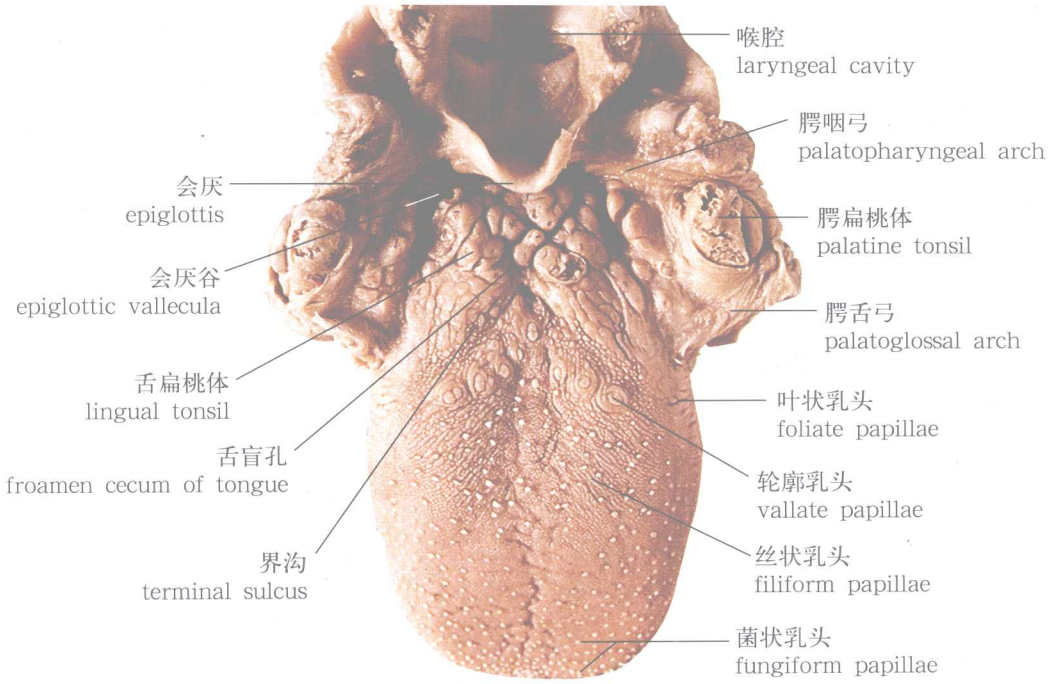


图 197 舌

The tongue

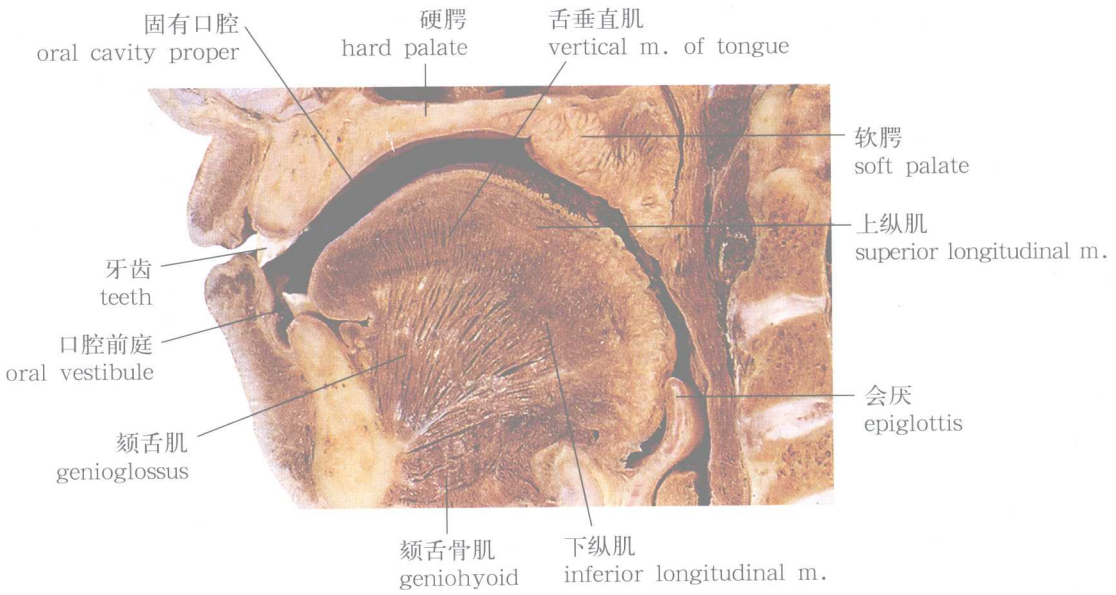


图 198 舌肌（纵切面）

Muscles of the tongue

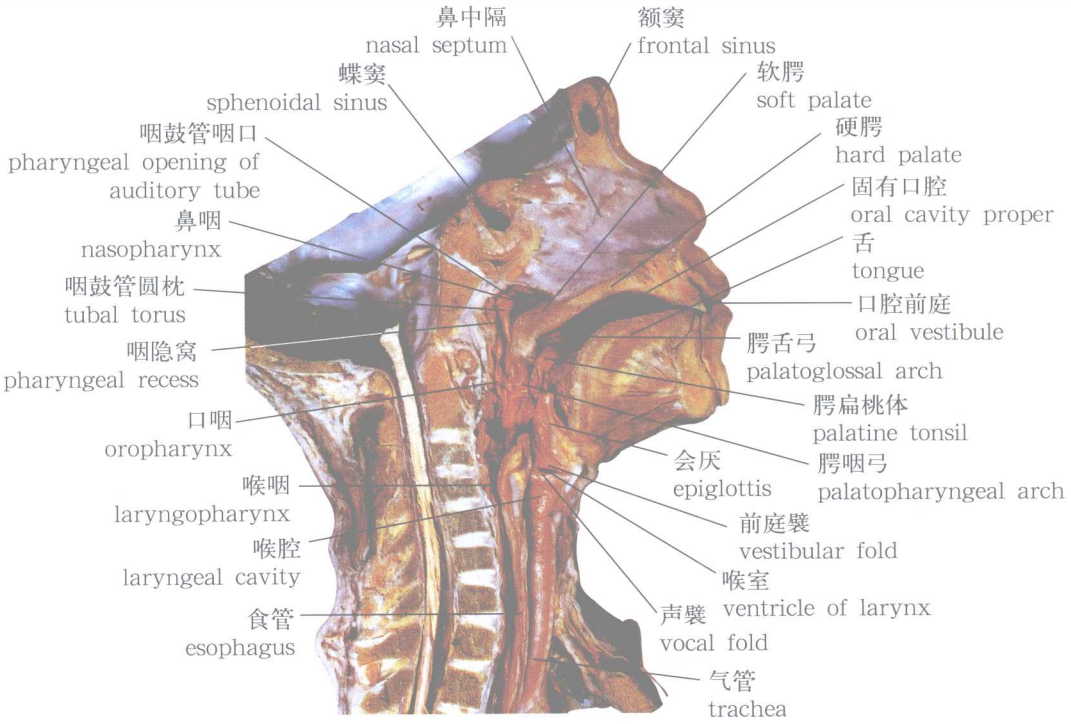


图 199　头颈部（正中矢状切面）

The head and neck (median sagittal section)

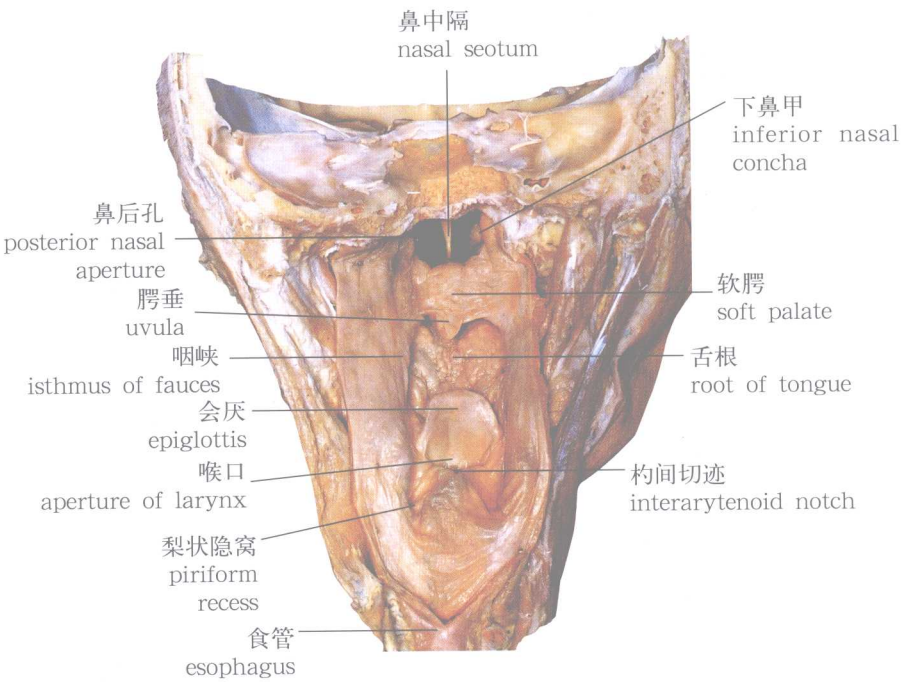


图 200　咽腔（后面观）

The pharyngeal cavity (posterior aspect)

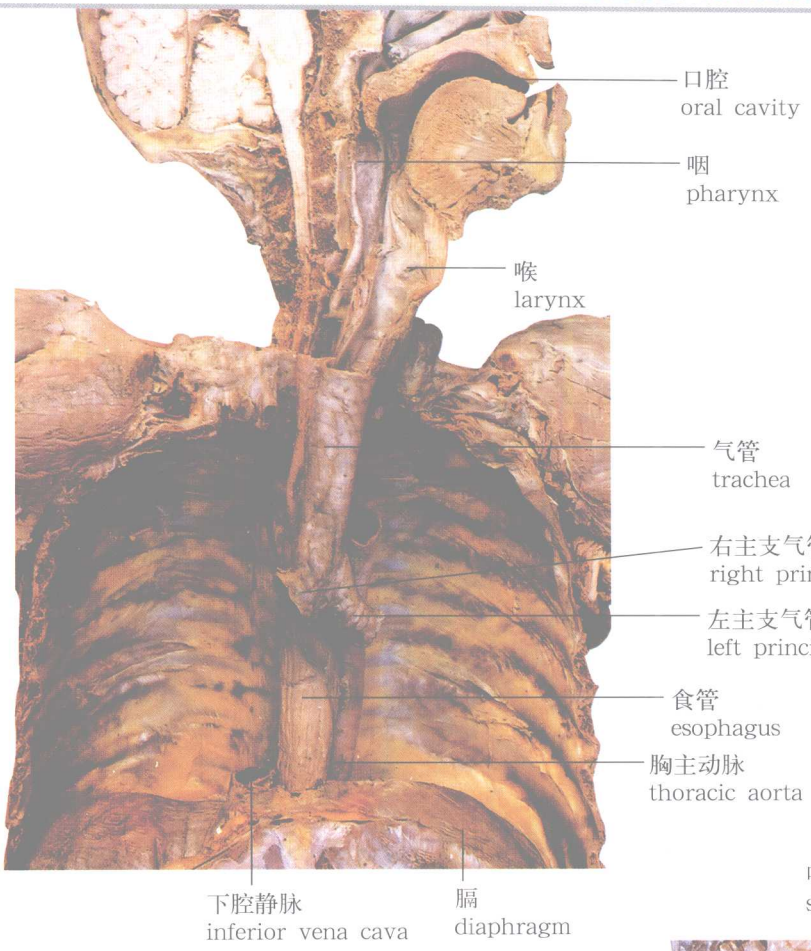


图 201　食管（前面观）

The esophagus (anterior aspect)

食　管

食管全长二十五，分为三段颈胸腹，
食管狭窄有三处，起始交叉穿膈部，
三处狭窄距切牙，三五、五五与八五，
狭窄异物易滞留，也是癌的好发处。

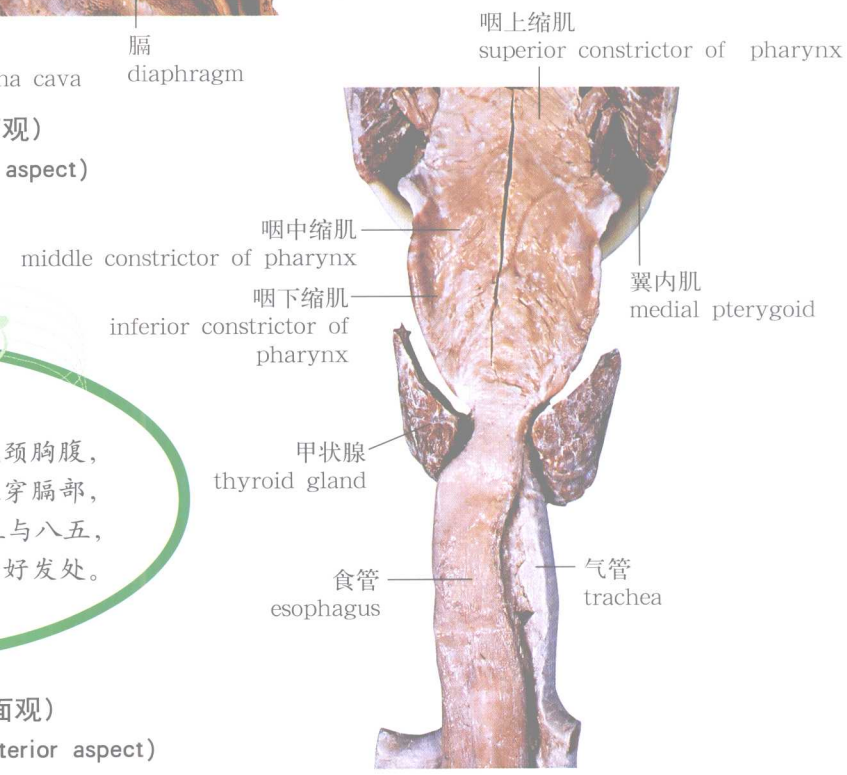


图 202　咽和食管（后面观）

The pharynx and esophagus (posterior aspect)

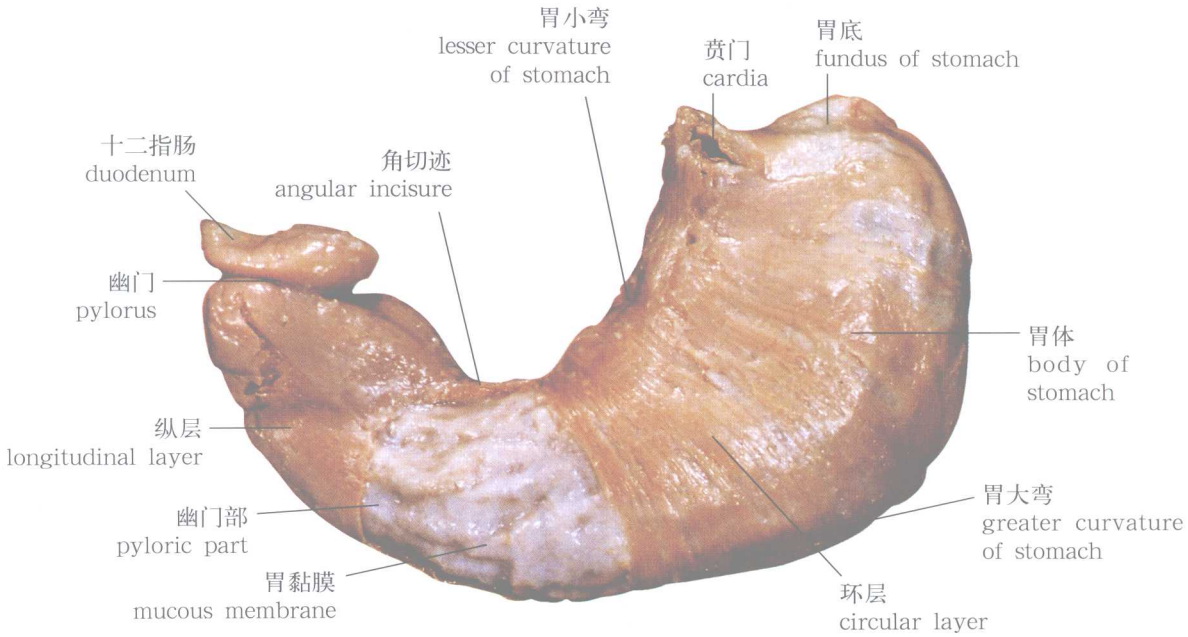


图 203 胃

The stomach



胃

胃居剑下左上腹，二门二弯又三部，
贲门幽门大小弯，胃底胃体幽门部，
幽门部分窦和管，小弯胃窦易溃疡。

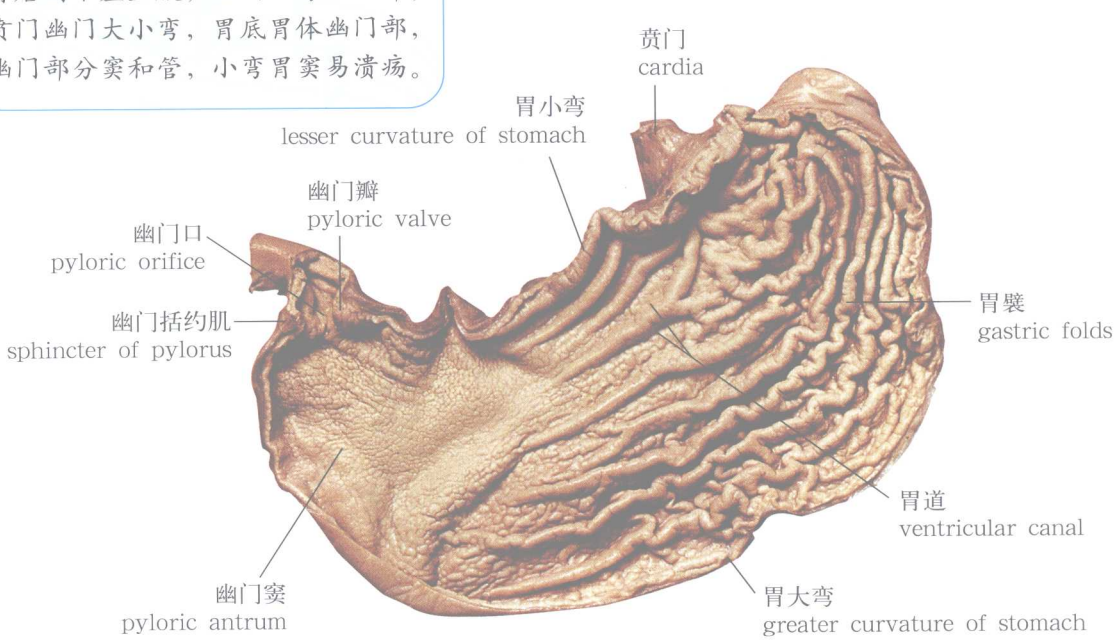


图 204 胃黏膜

The mucous membrane of the stomach

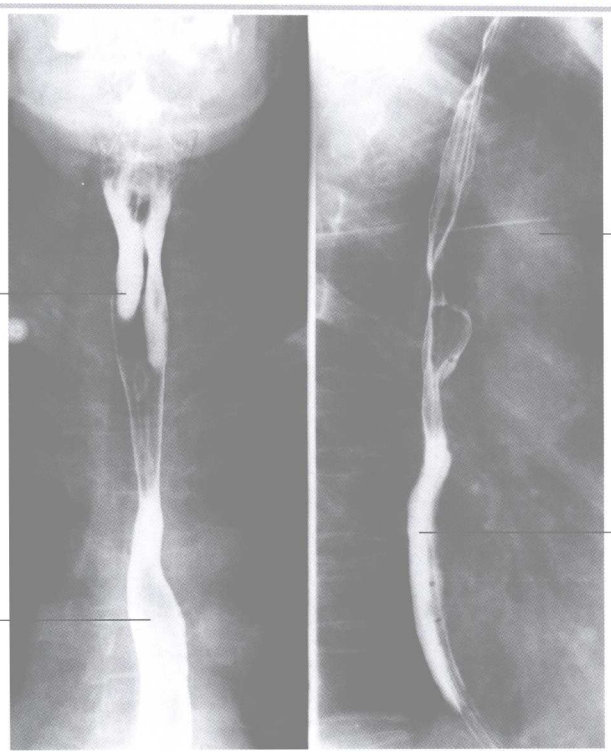


图 205　食管钡餐 X 线图像

Barium meal radiograph of the esophagus

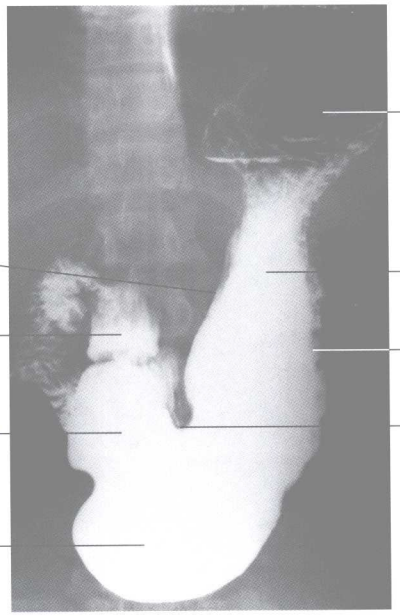


图 206　胃钡餐 X 线图像

Barium meal radiograph of the stomach

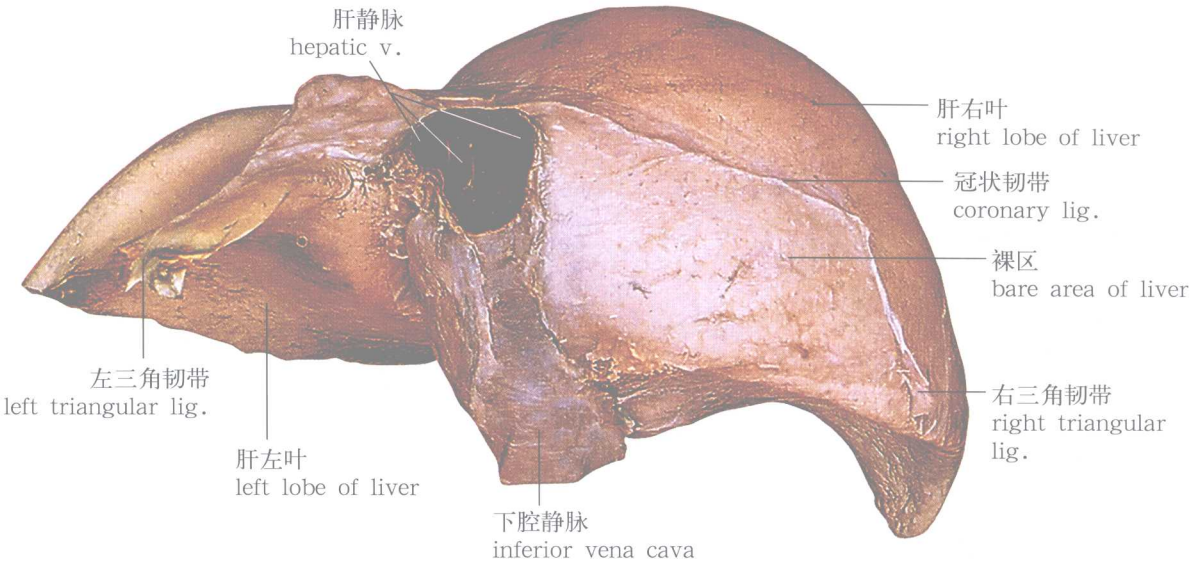


图 207 肝（后面观）

The liver (posterior aspect)

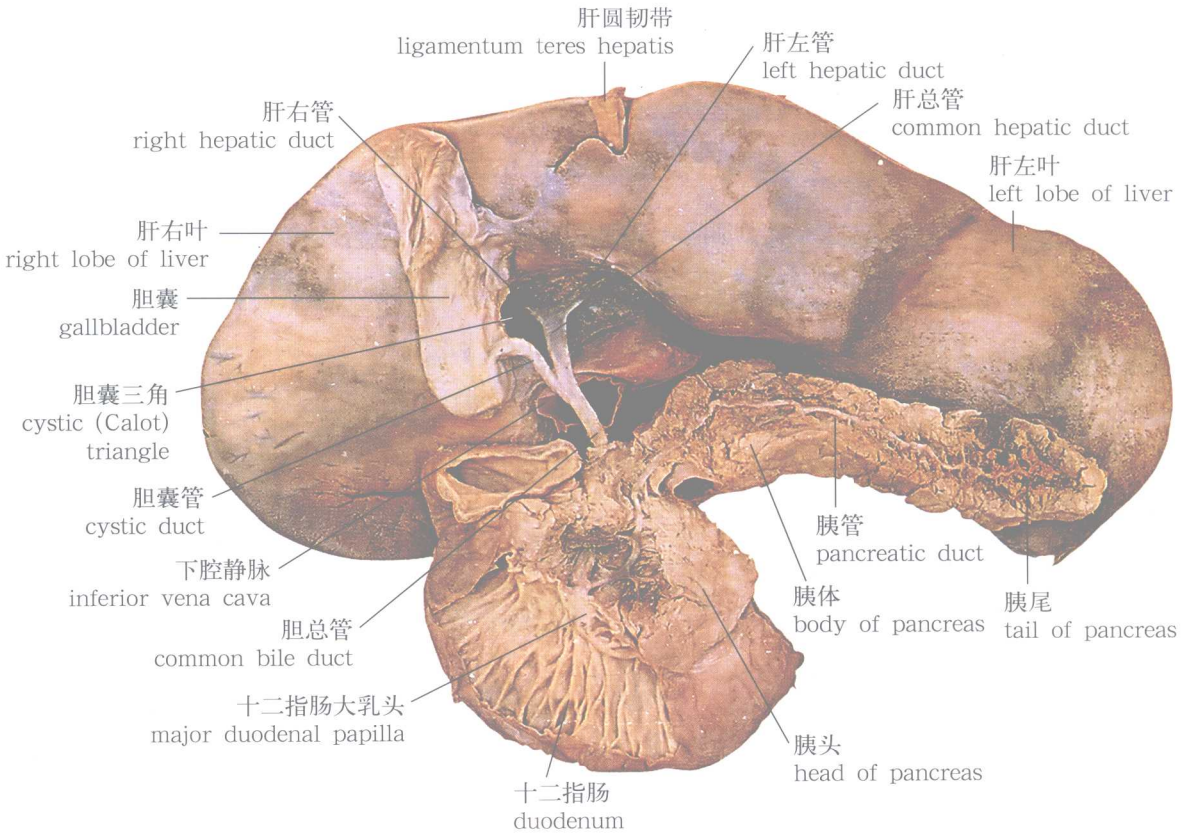


图 208 胆道、十二指肠和胰腺（前面观）

The bile ducts, duodenum and pancreas (anterior aspect)

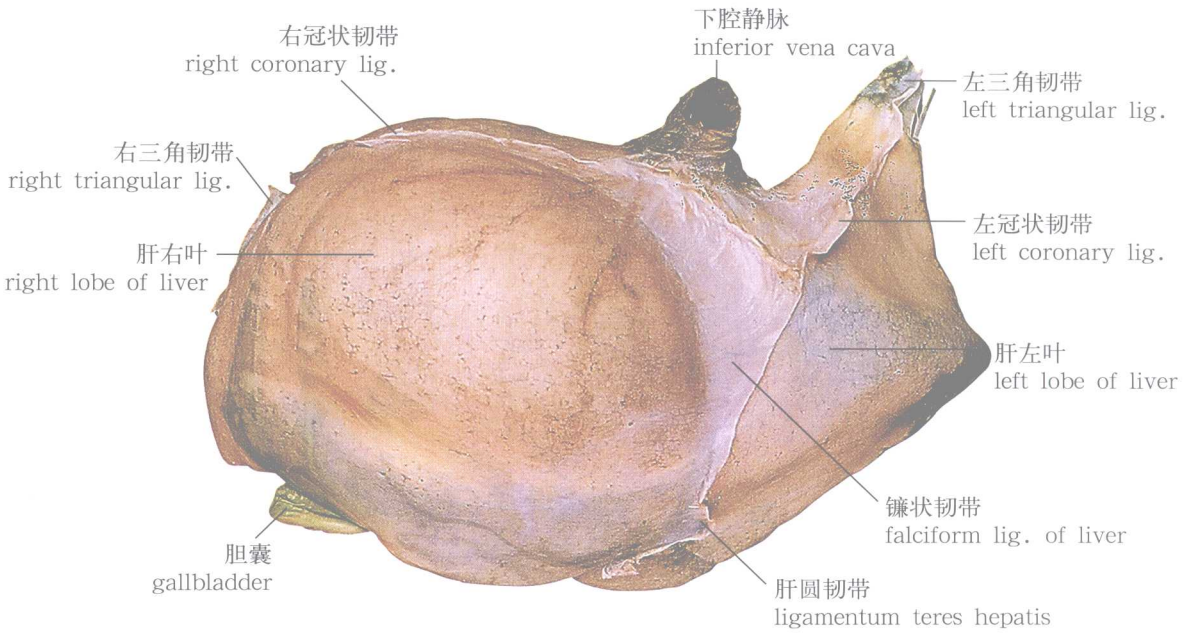


图 209 肝（上面观）

The liver (superior aspect)

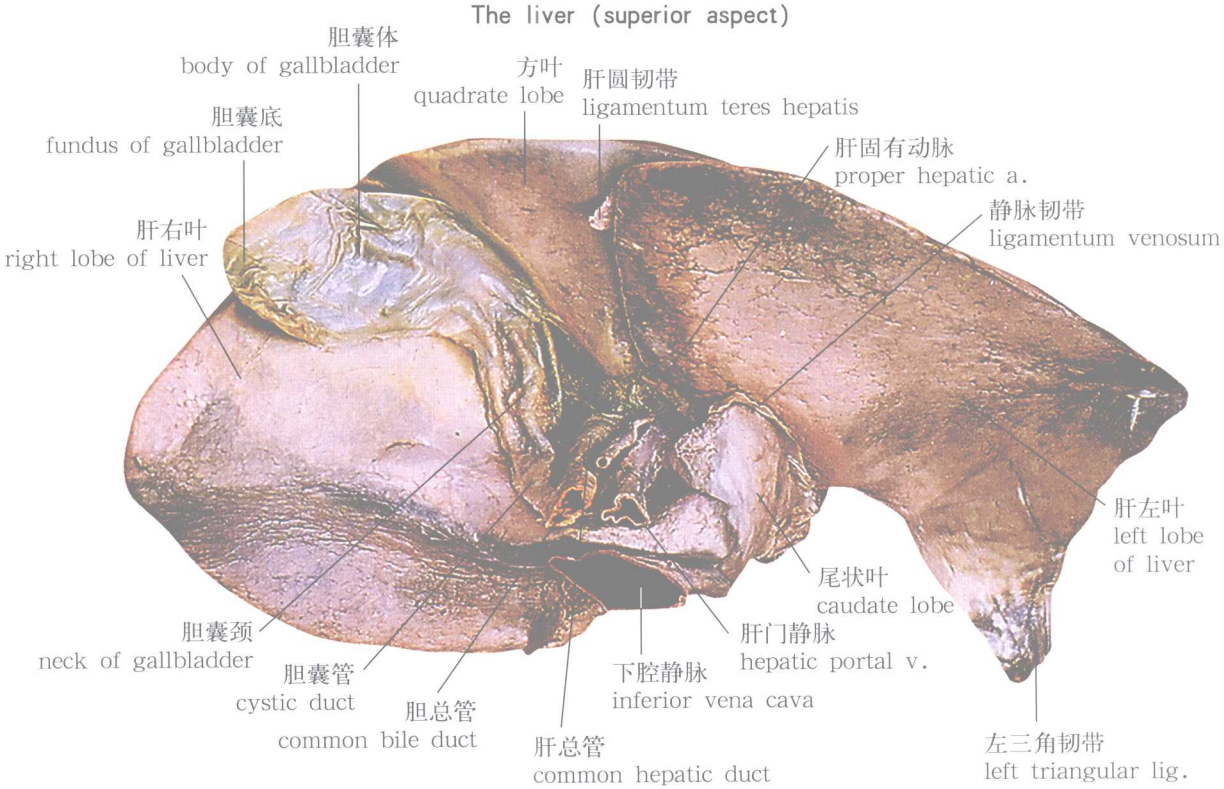


图 210 肝（下面观）

The liver (inferior aspect)

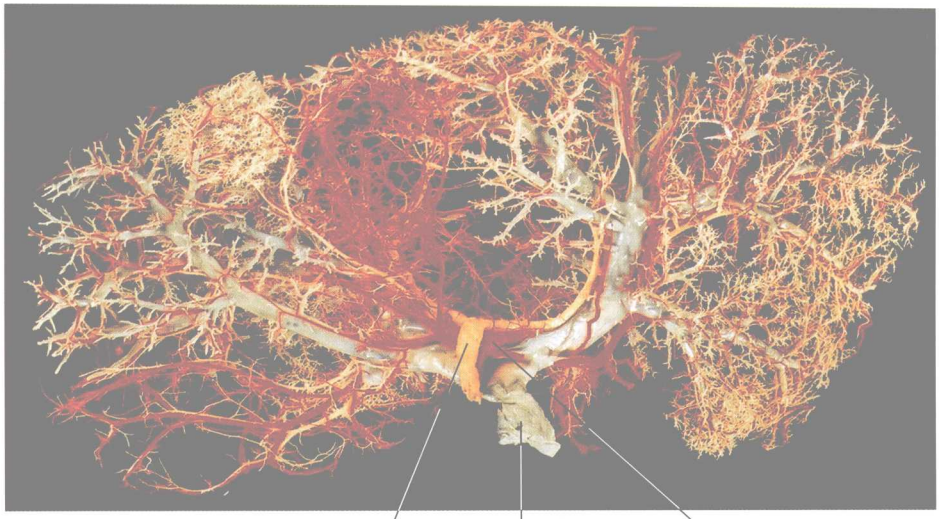


图 211 肝脏管道铸型（1）

The cast of the hepatic ducts (1)

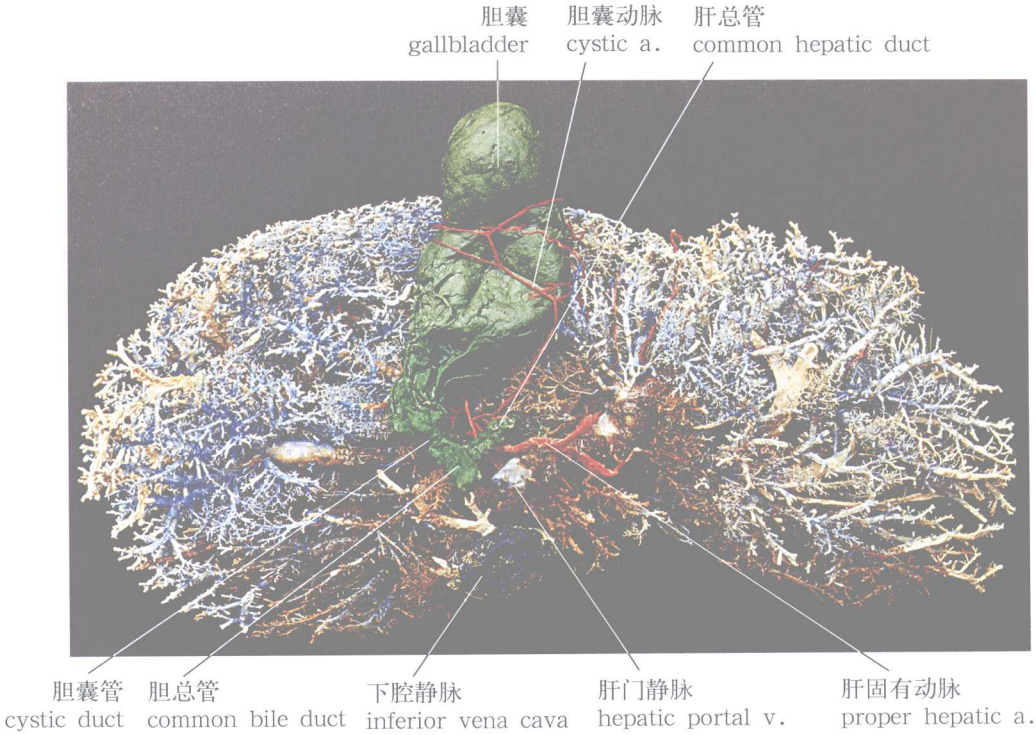


图 212 肝脏管道铸型（2）

The cast of the hepatic ducts (2)

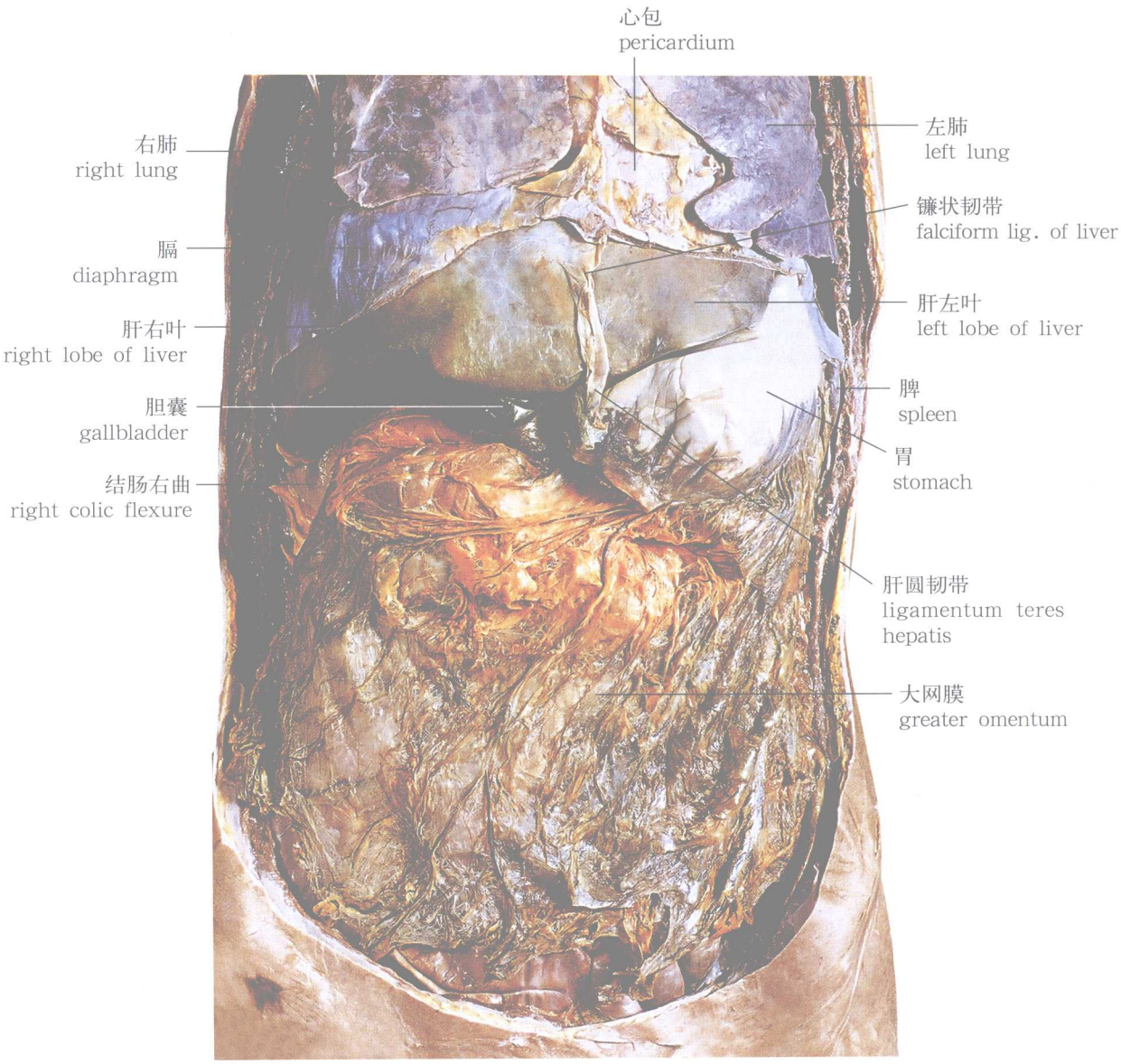


图 213　腹部脏器和大网膜（前面观）

The viscera of the abdomen and greater omentum (anterior aspect)



图 214　肠与阑尾系膜

The mesentery and mesoappendix

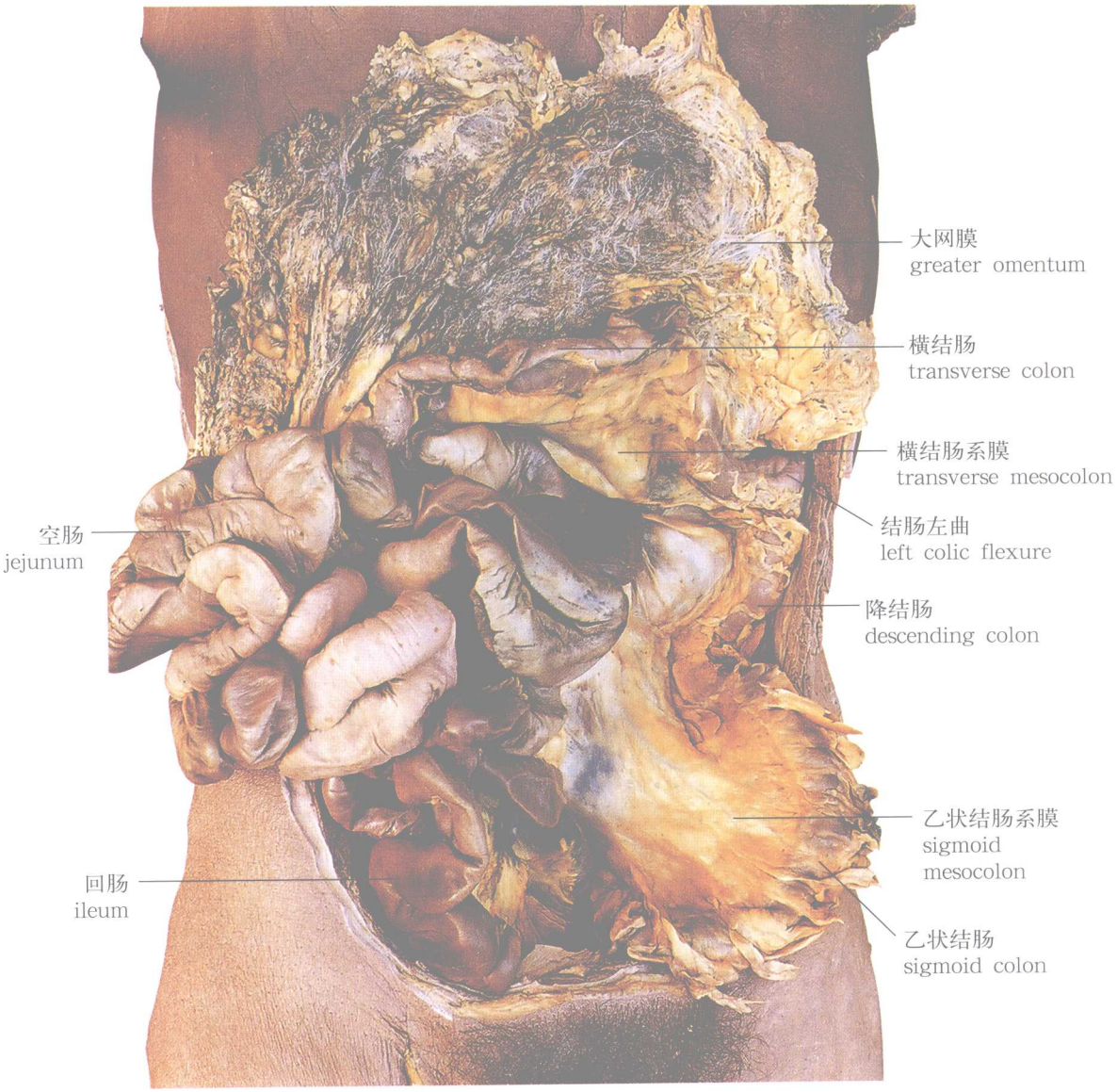


图 215　乙状结肠系膜

The sigmoid mesocolon

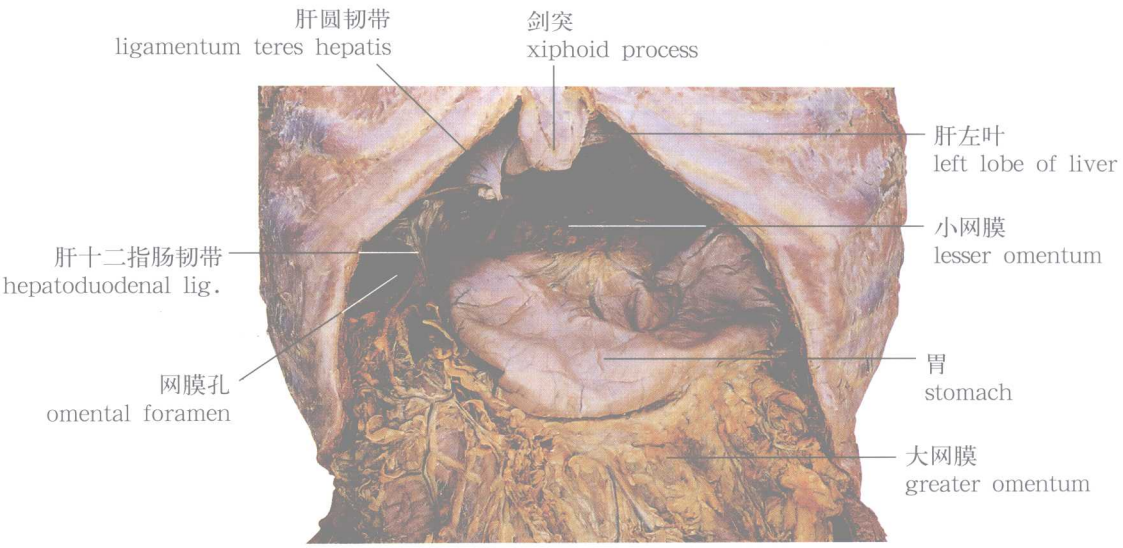


图 216 小网膜

The lesser omentum

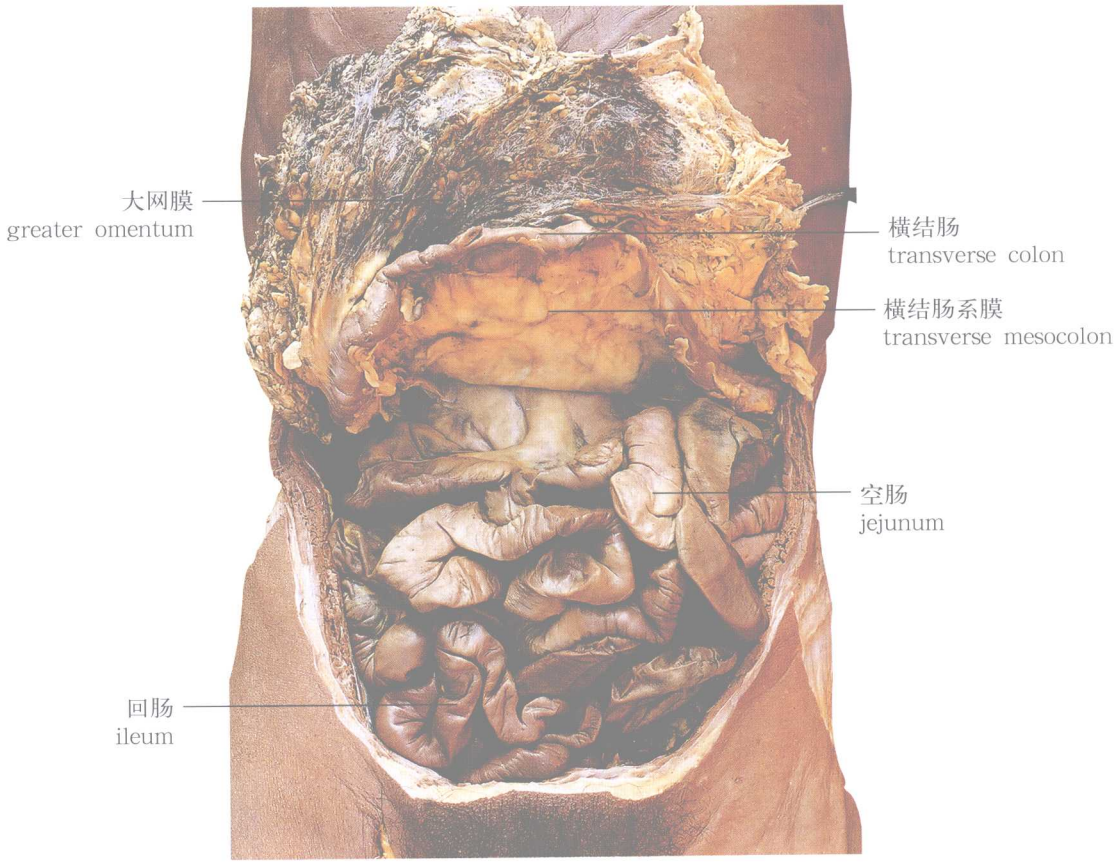


图 217 横结肠系膜

The transverse mesocolon



图 218　小肠钡餐 X 线片

Barium meal radiograph of the small intestine

大　肠

消化管的最下端，吸收水和无机盐，
全长一共分五部，盲阑结直和肛管，
结肠带袋肠脂垂，三大特征鉴小肠。

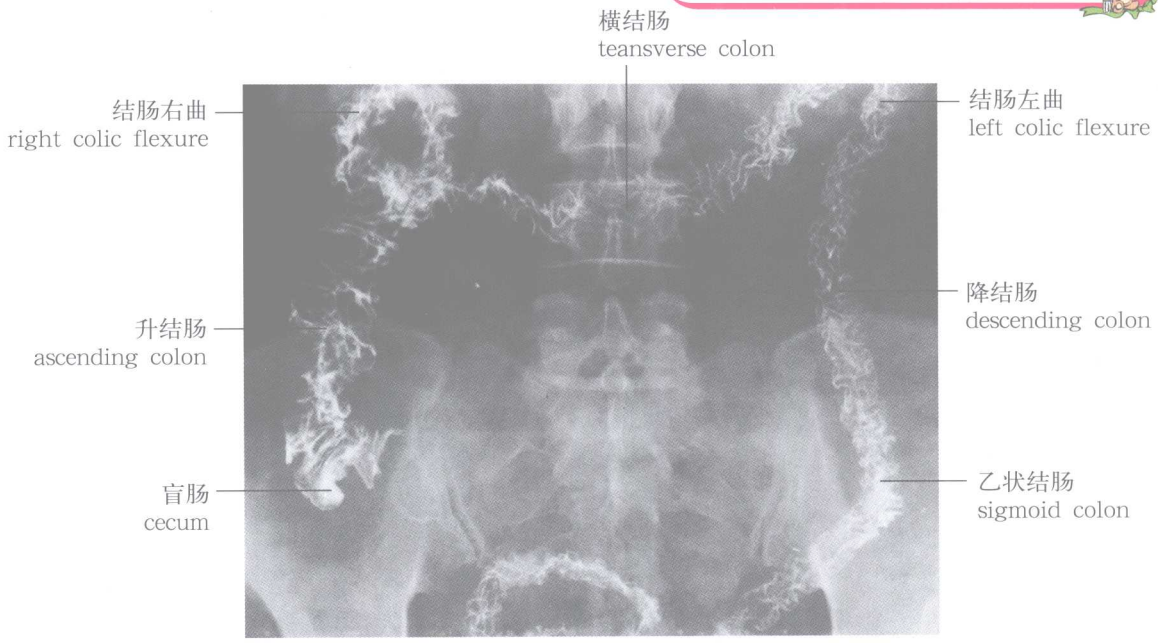


图 219　结肠钡餐 X 线图像

Barium meal radiograph of the colon



图 220 结肠（外面观）

The colon (external aspect)

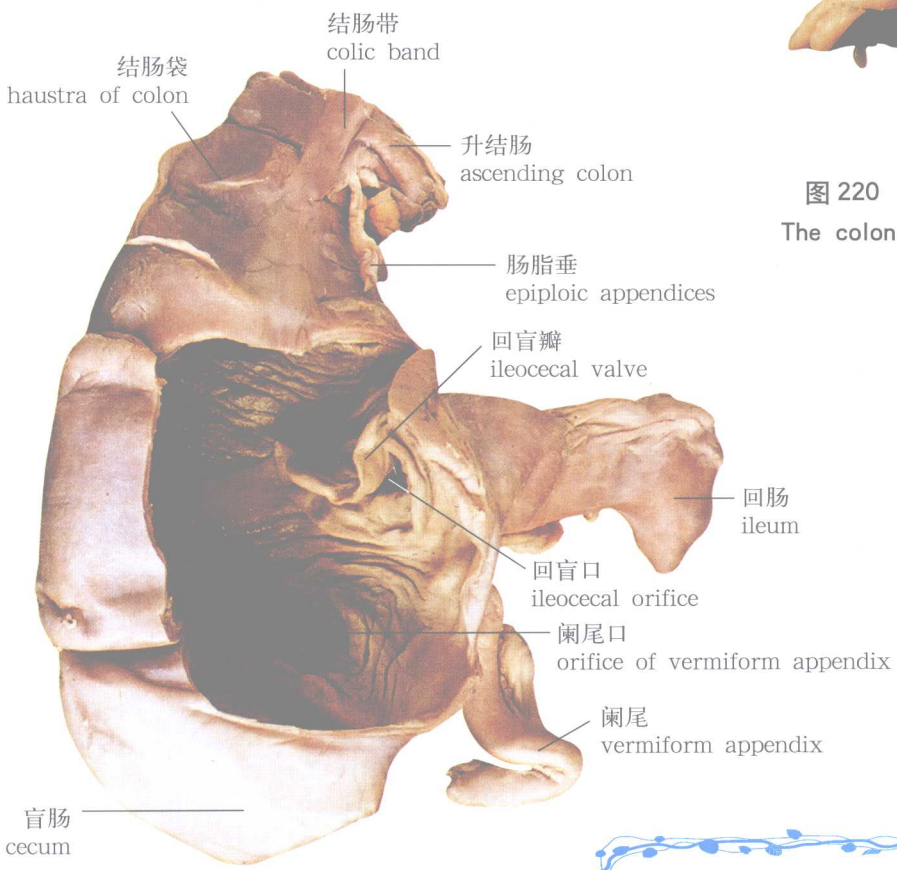
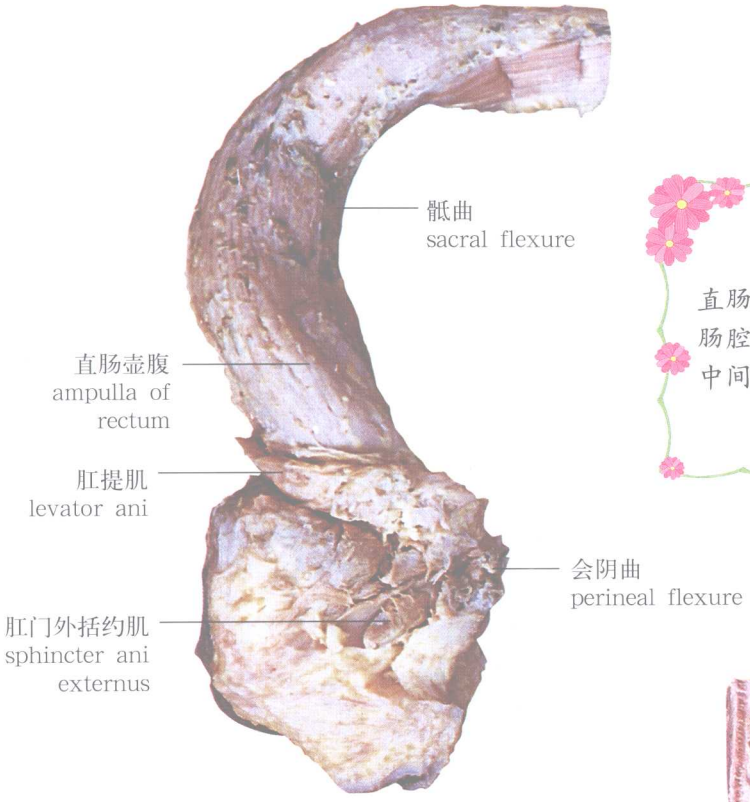


图 221 盲肠与阑尾

The cecum and vermiform appendix

盲肠与阑尾

盲肠位居右髂窝，回盲口盖回盲瓣，
阑尾外形似蚯蚓，长短不一因人异，
麦氏兰氏投影点，三带集中阑尾根。



直　肠

直肠并不直，矢状冠状有弯曲，肠腔膨大称壶腹，三个横襞不同方，中间位置最恒定，距离肛门大约7。

图 222　直肠与肛管（侧面观）

The rectum and anal canal (lateral aspect)

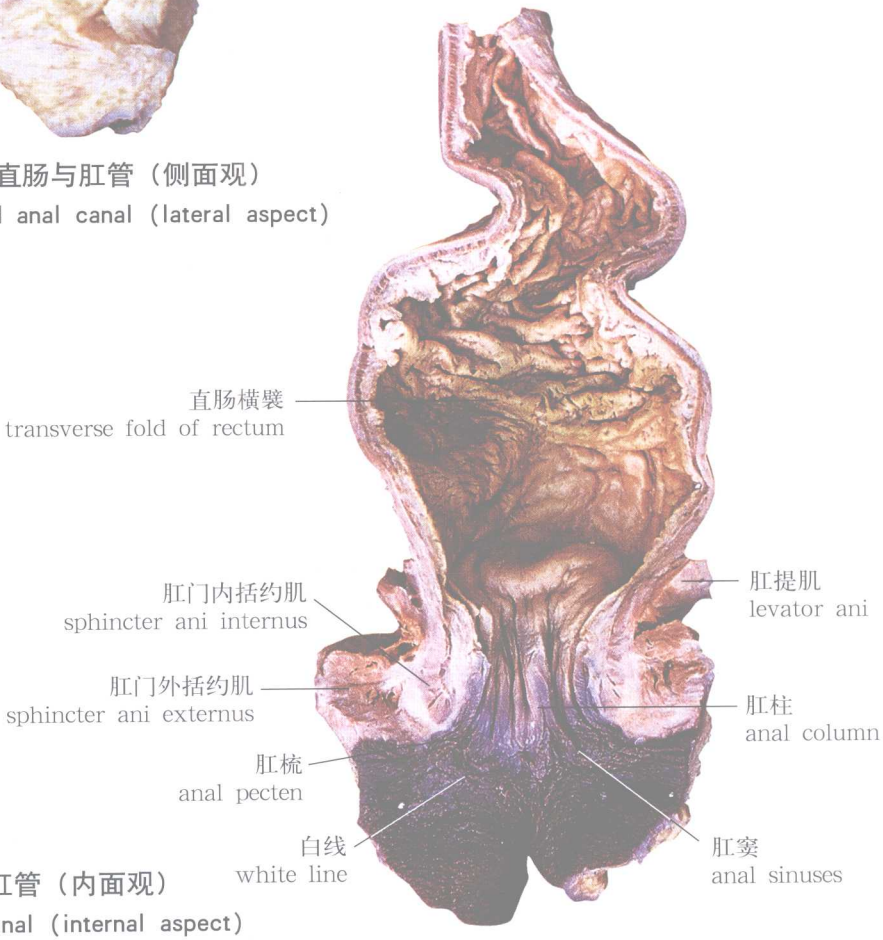


图 223　直肠与肛管（内面观）

The rectum and anal canal (internal aspect)

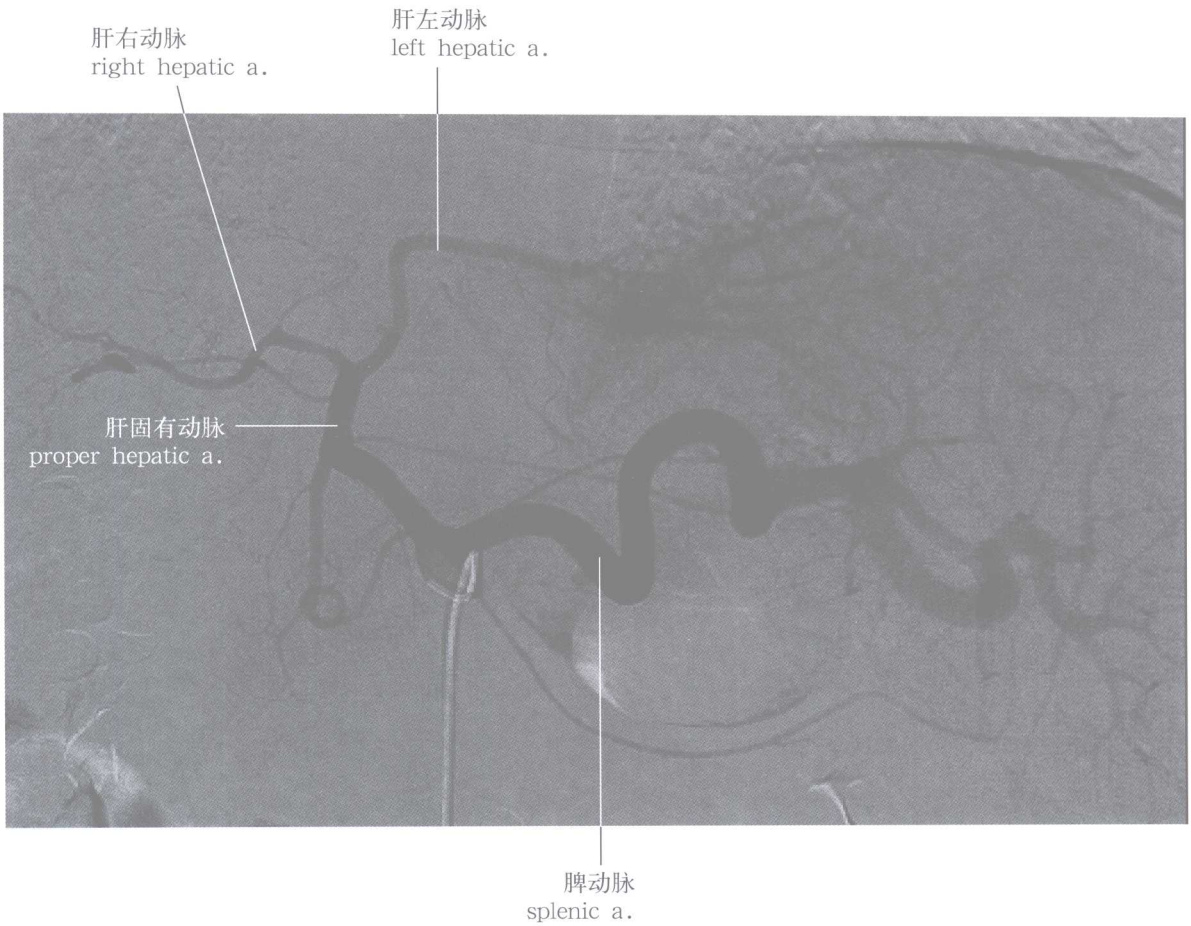


图 224　肝、脾动脉造影

The hepatic and splenic arteriography

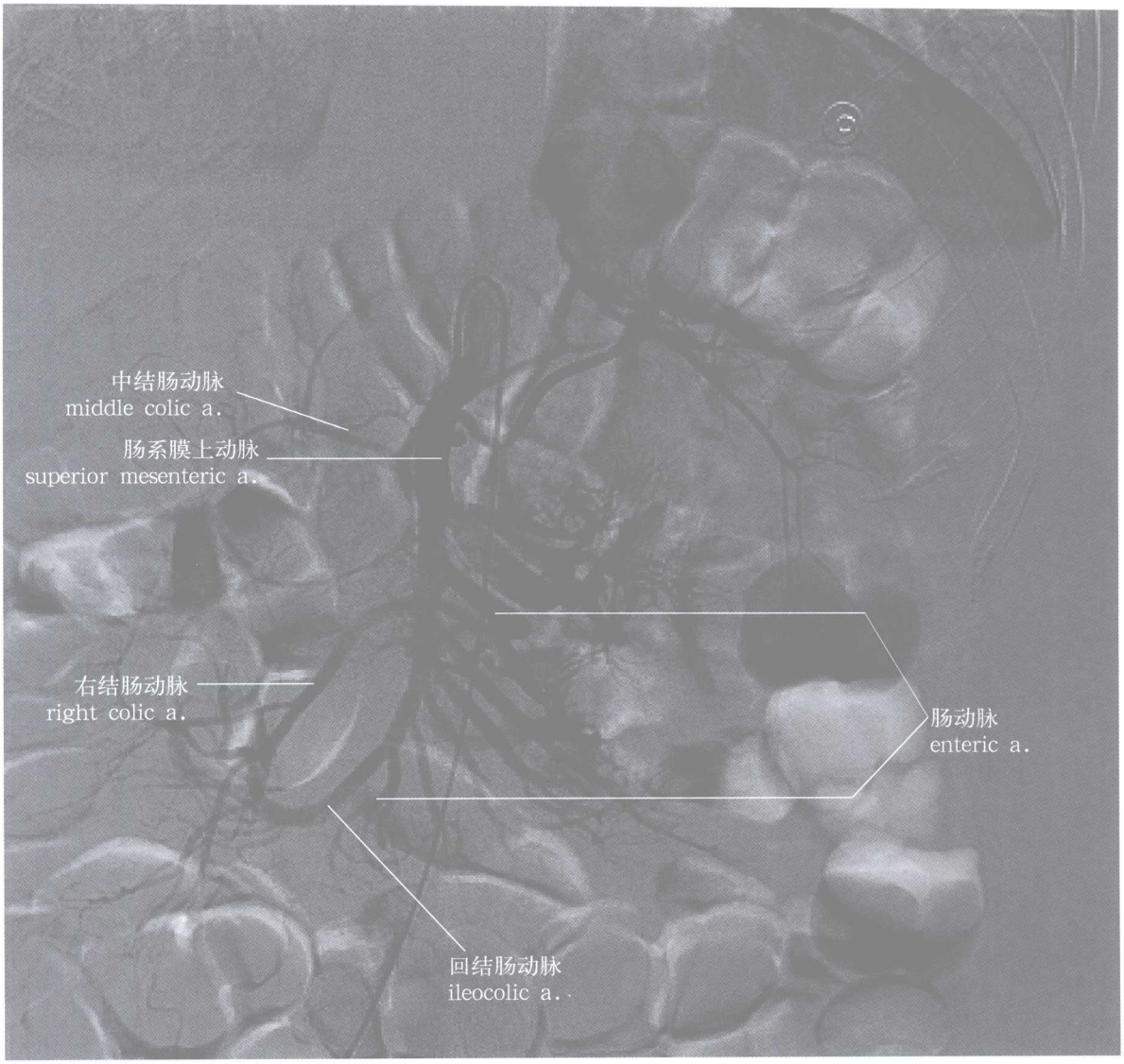


图 225　肠系膜上动脉造影

The superior mesenteric arteriography

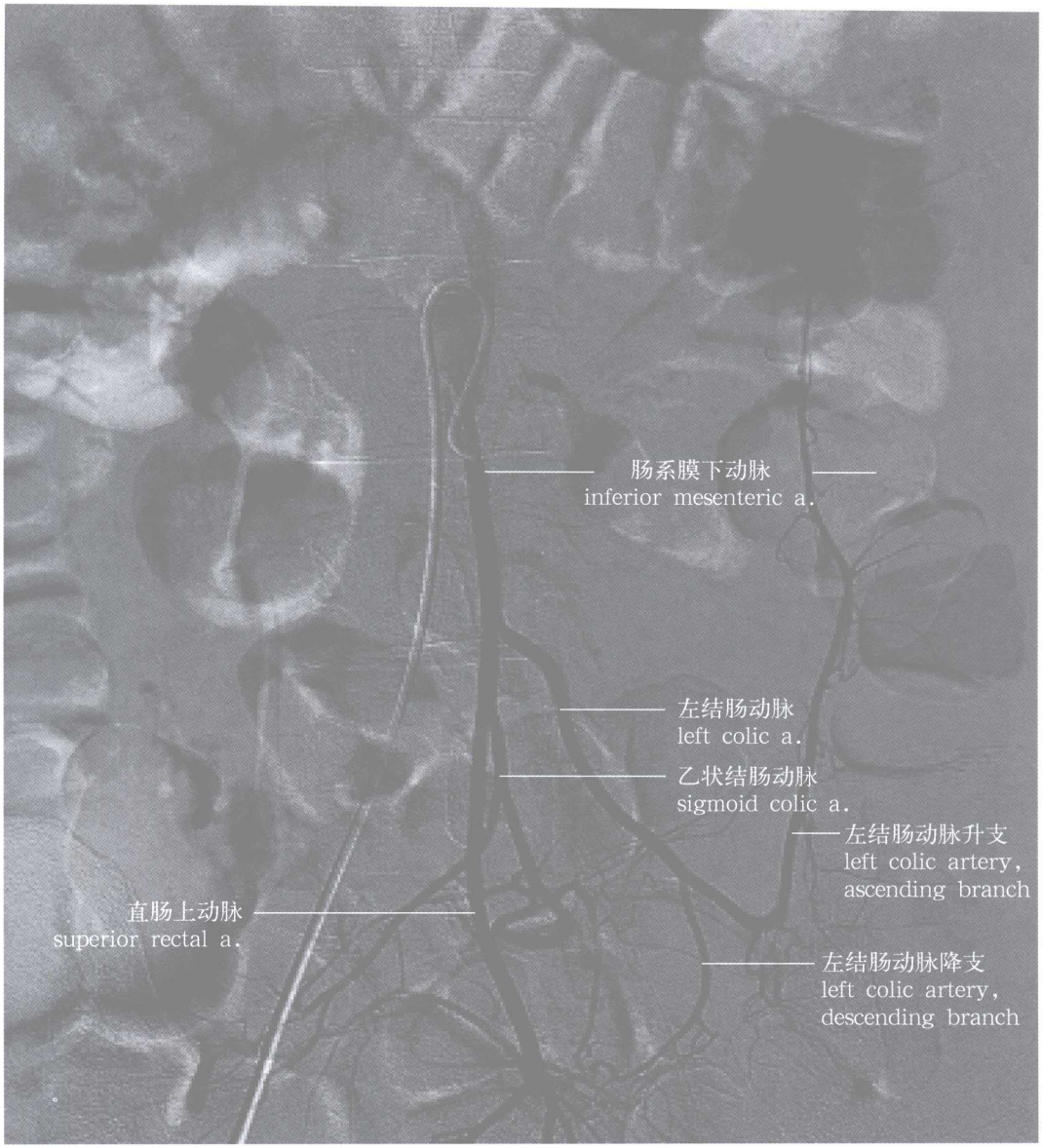


图 226 肠系膜下动脉造影

The inferior mesenteric arteriography

第6章

呼吸系统

RESPIRATORY SYSTEM

Chapter 6

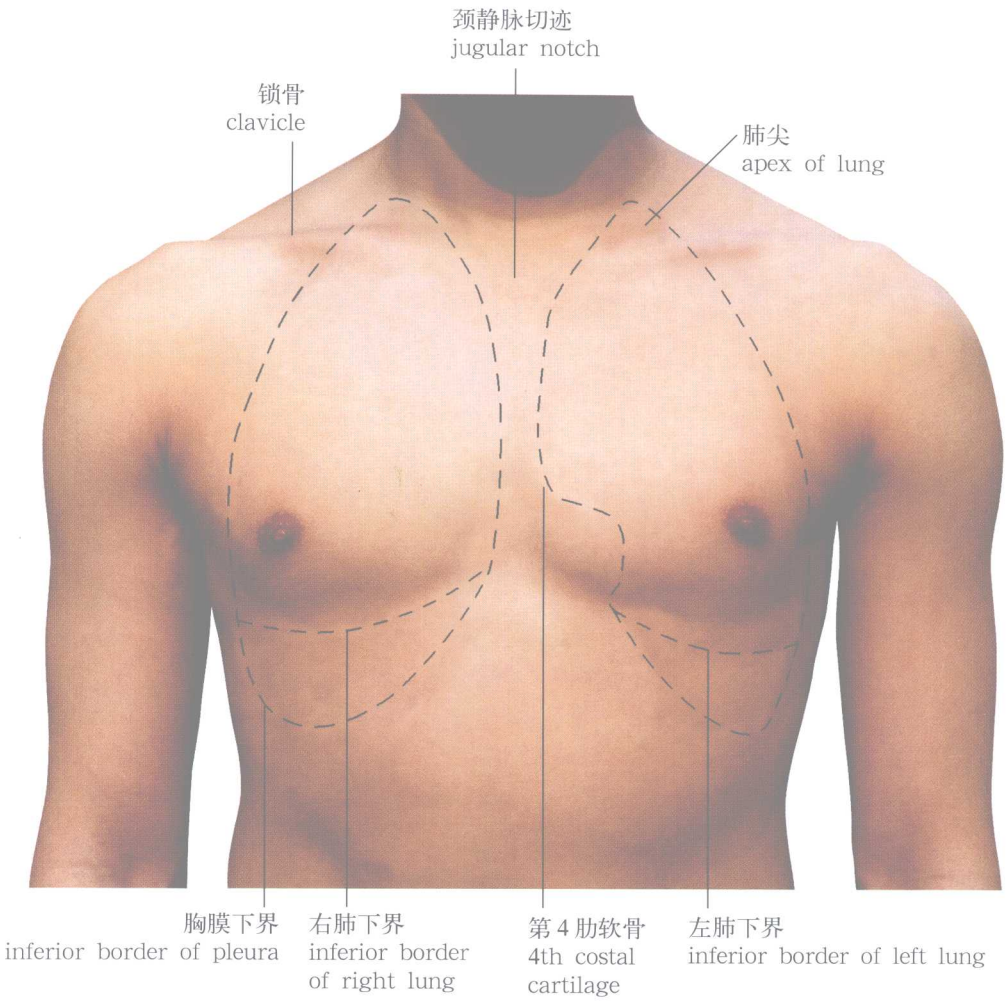


图 227 呼吸系统体表标志

Surface markings of the respiratory system

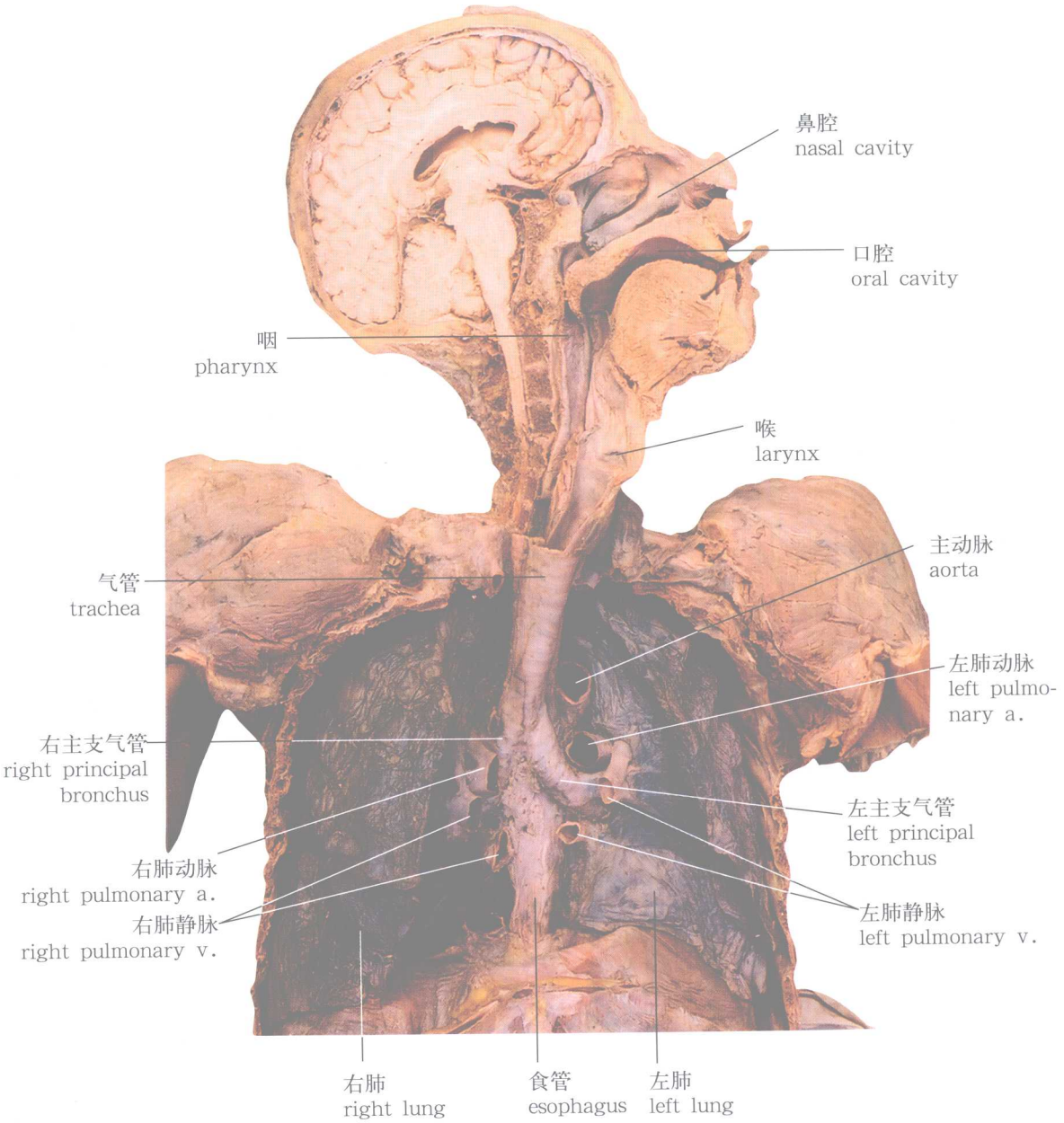


图 228 呼吸系统概观

General arrangement of the respiratory system

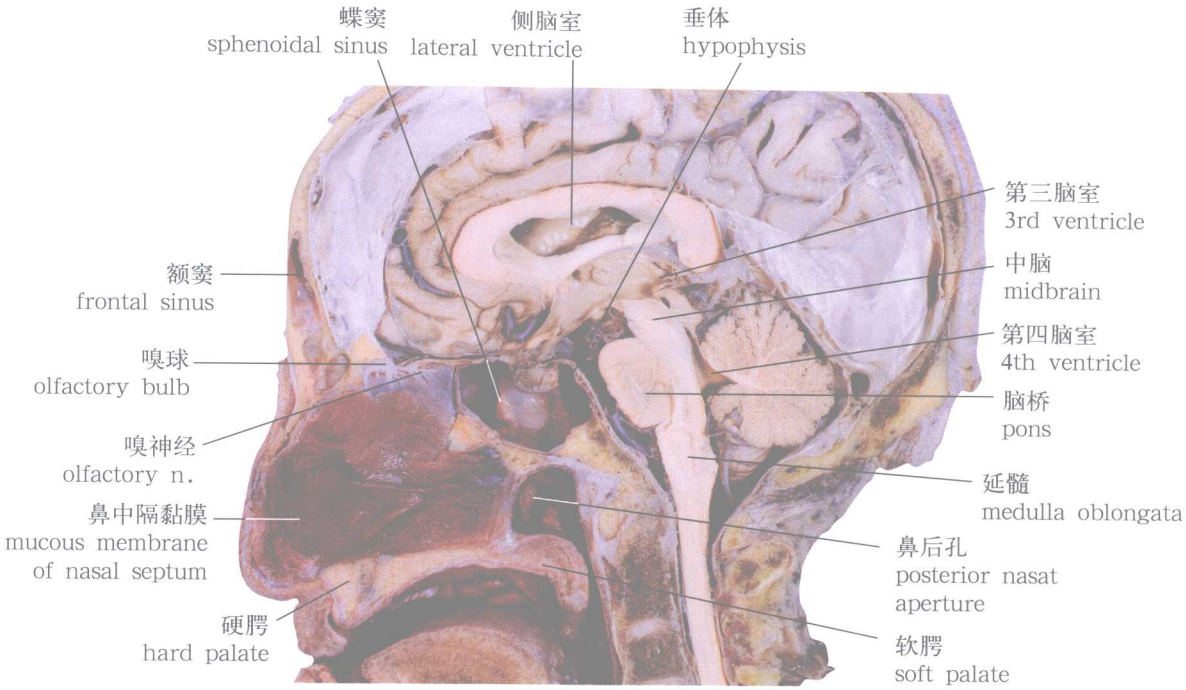


图 229 鼻中隔（1）

The nasal septum (1)

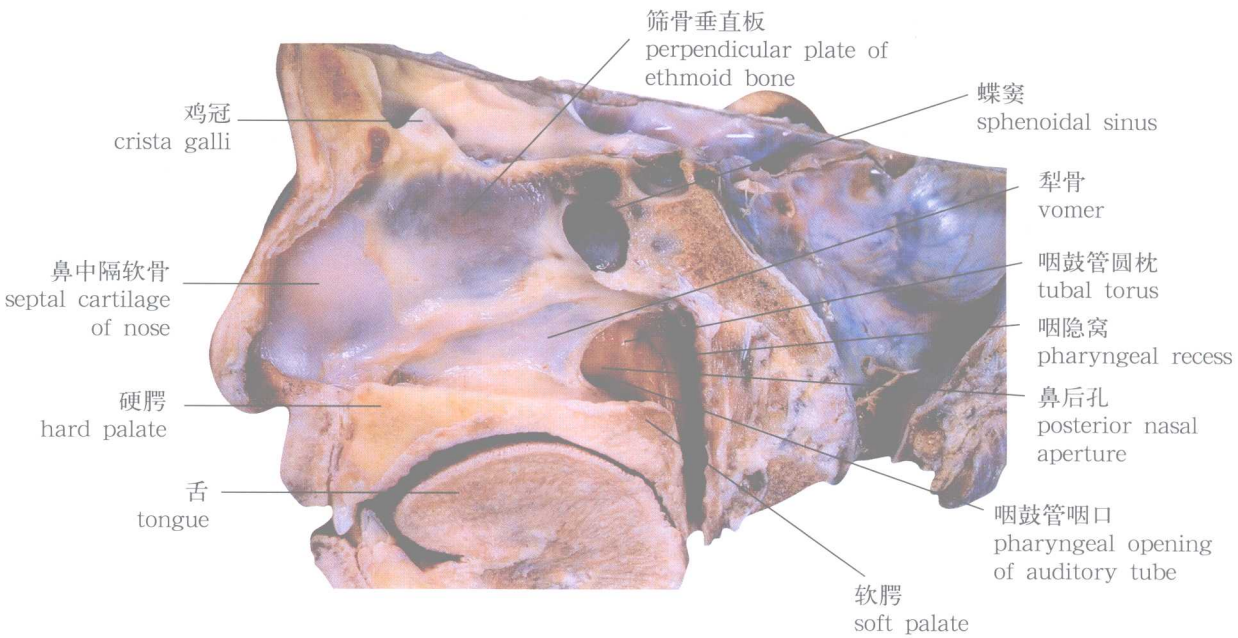
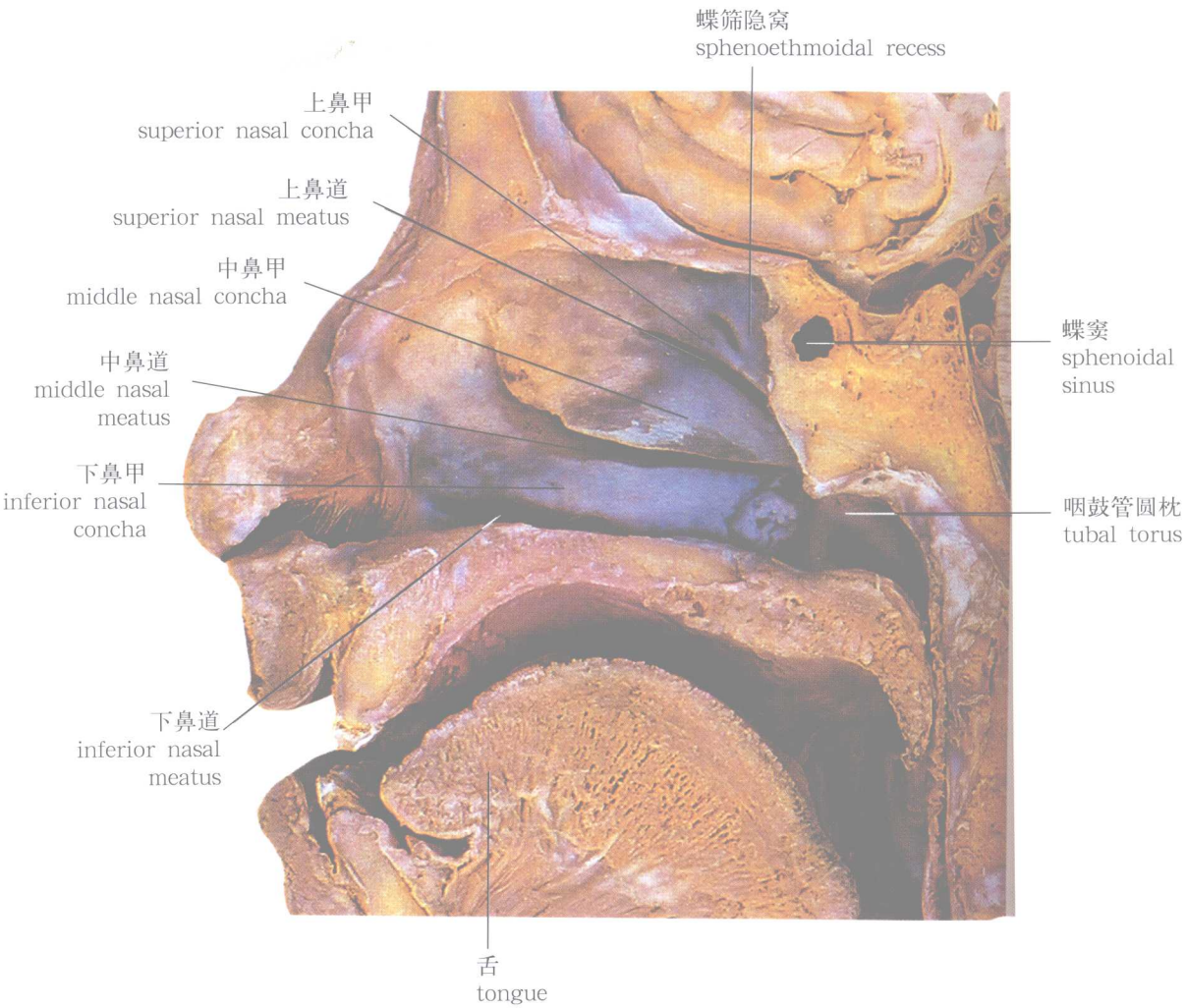


图 230 鼻中隔（2）

The nasal septum (2)



鼻 腔

两口四壁一中隔，三道三甲一隐窝，
黏膜分成两部分，呼吸嗅区功能异。

图 231 鼻腔外侧壁（1）

The lateral wall of the nasal cavity (1)

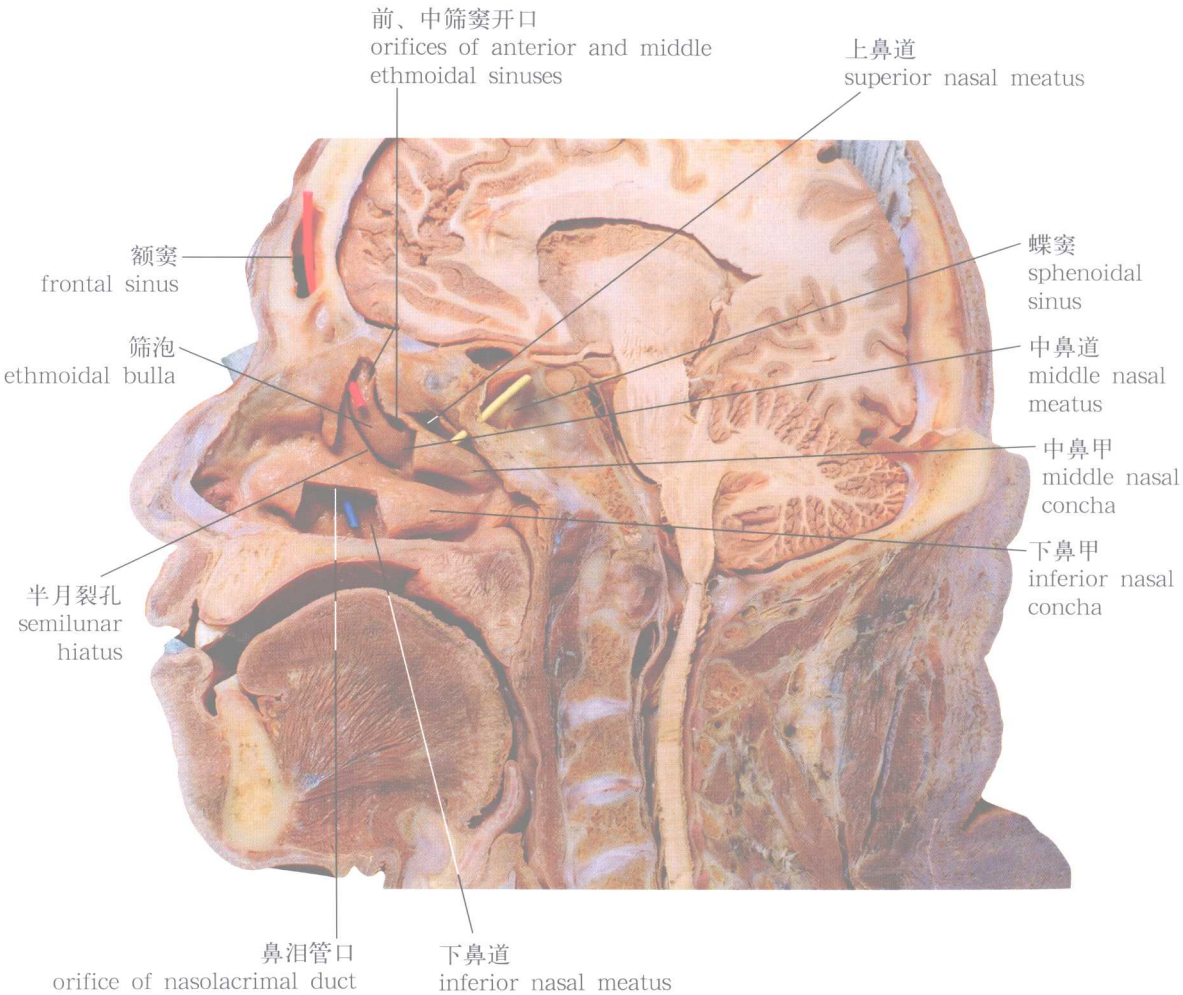


图 232 鼻腔外侧壁（2）

The lateral wall of the nasal cavity (2)

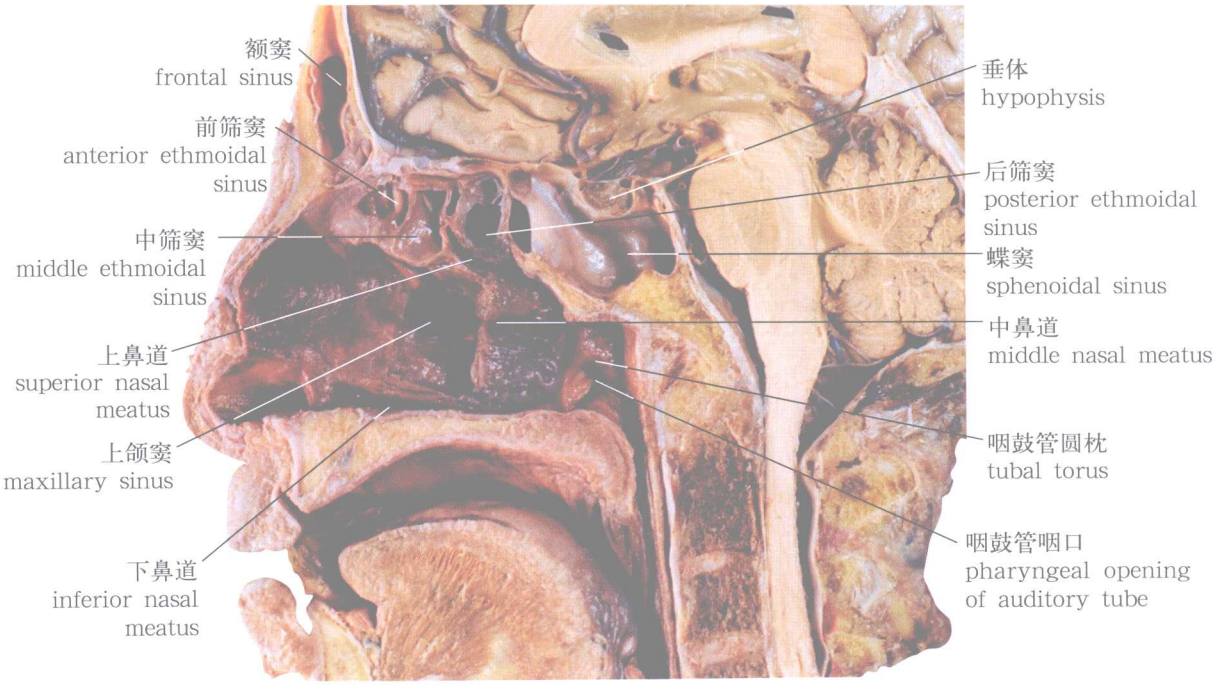


图 233 鼻旁窦

The paranasal sinuses

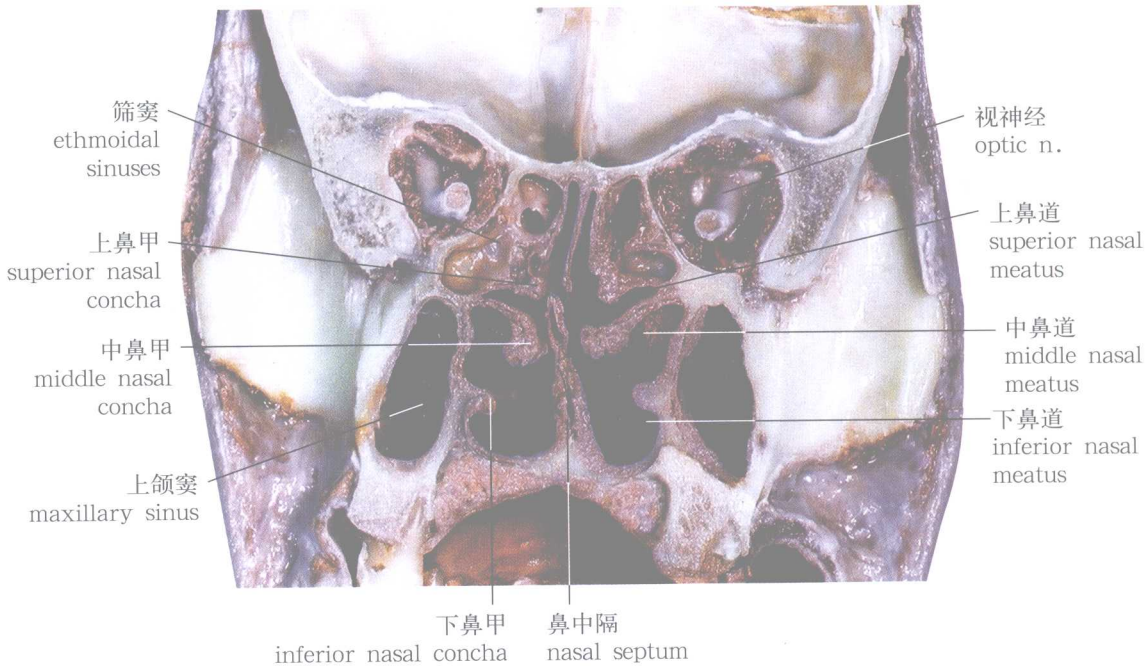


图 234 鼻腔和鼻旁窦（冠状切面）

The nasal cavities and the paranasal sinuses (coronal section)

鼻旁窦

鼻旁窦骨内藏，额窦蝶窦上颌筛，
上颌窦腔最为大，开口较高引不畅，
筛窦分群前中后，蝶窦分为左右腔，
额窦三棱锥体形，开口较低引流畅。

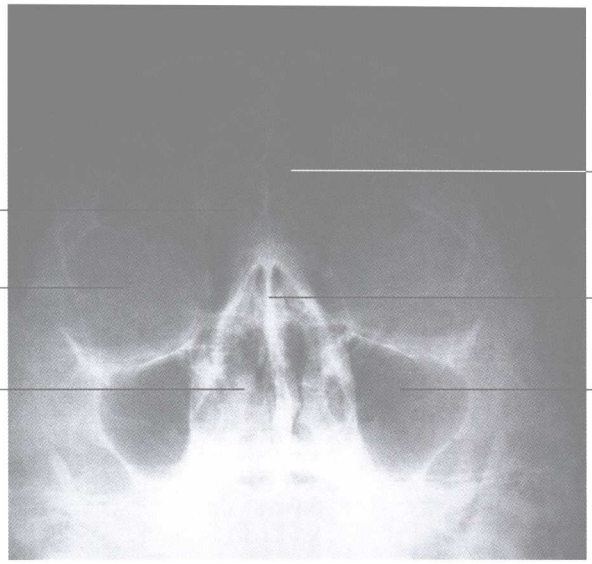


图 235　鼻旁窦 X 线图像

Radiograph of the paranasal sinuses



图 236　鼻旁窦 CT

X-ray CT of the paranasal sinuses

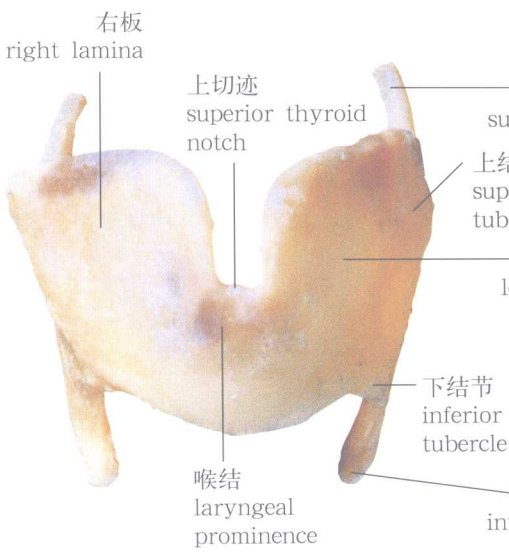


图 237　甲状软骨（前面观）

The thyroid cartilage (anterior aspect)

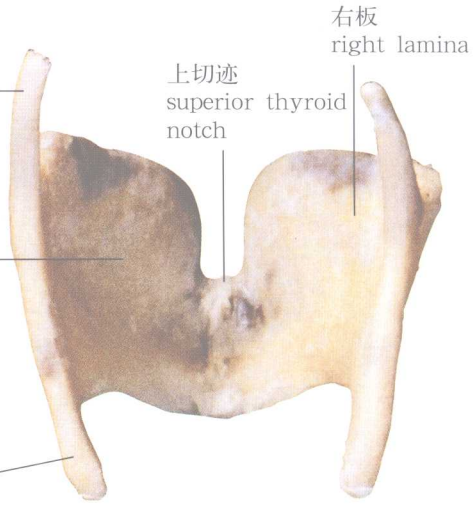
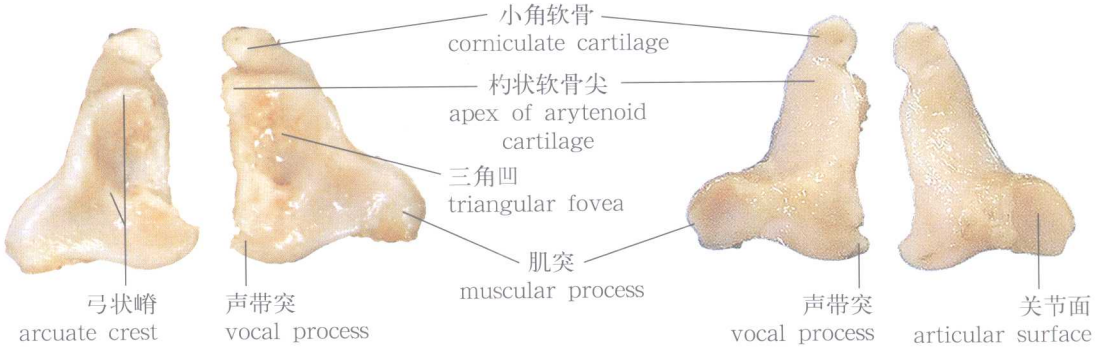


图 238　甲状软骨（后面观）

The thyroid cartilage (posterior aspect)



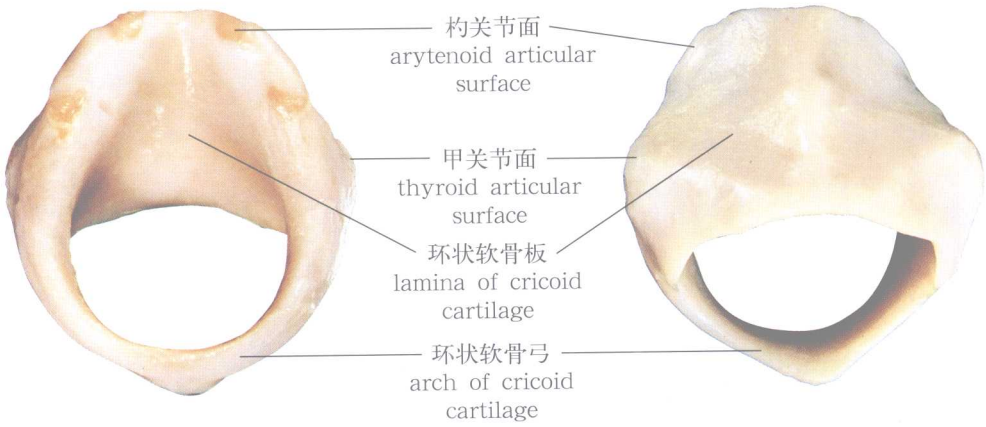


图 239　环状软骨、杓状软骨和小角软骨（前面观）

The cricoid, arytenoid and corniculate cartilages (anterior aspect)

图 240　环状软骨、杓状软骨和小角软骨（后面观）

The cricoid, arytenoid and corniculate cartilages (posterior aspect)

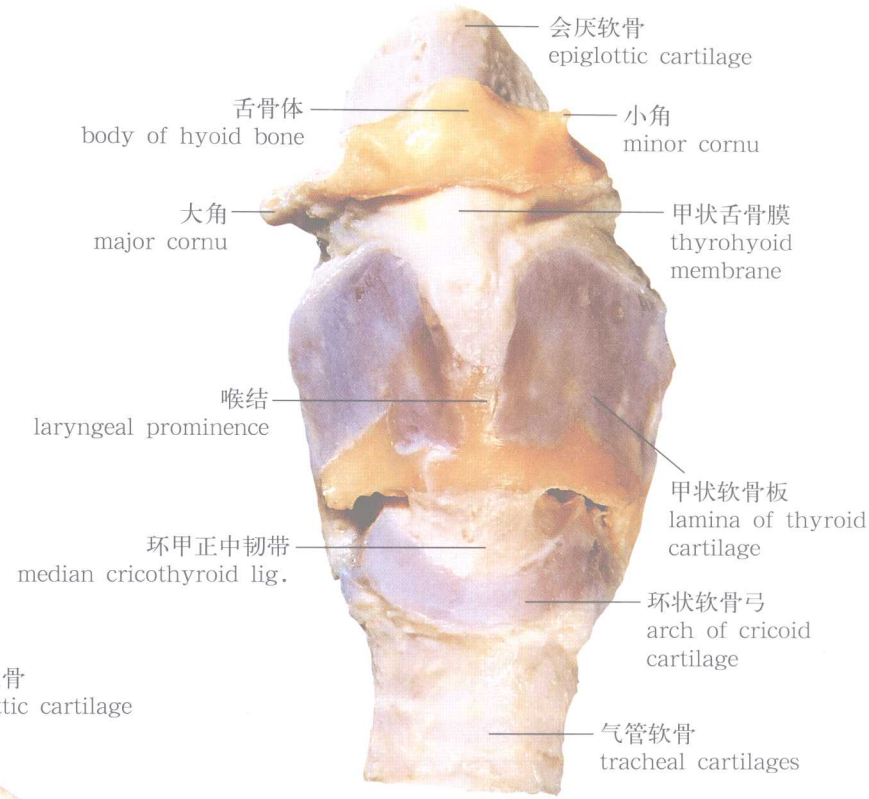


图 241 喉软骨的连结（前面观）

Joints of the laryngeal cartilages (anterior aspect)

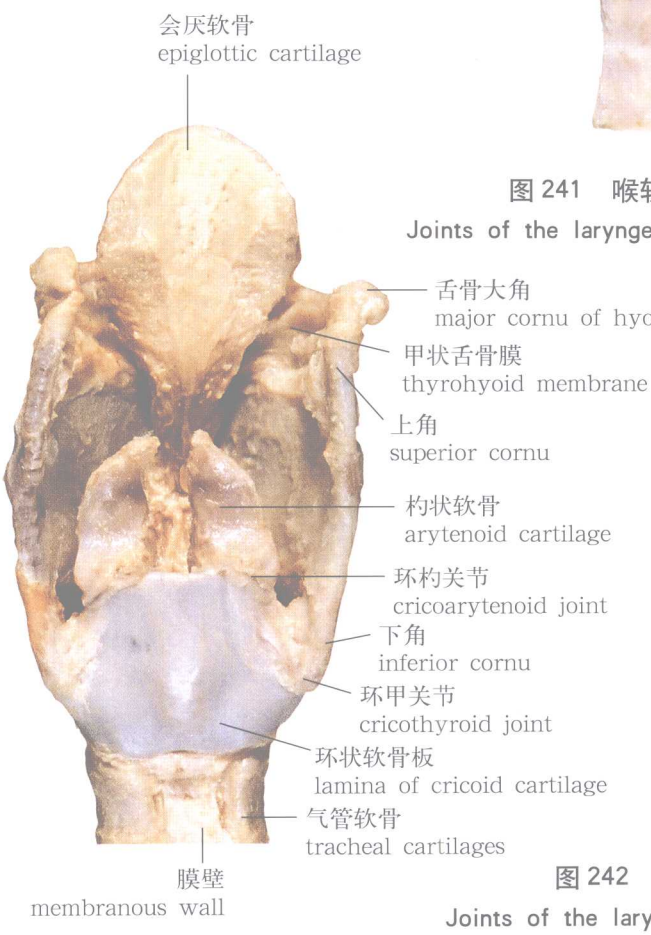


图 242 喉软骨的连结（后面观）

Joints of the laryngeal cartilages (posterior aspect)

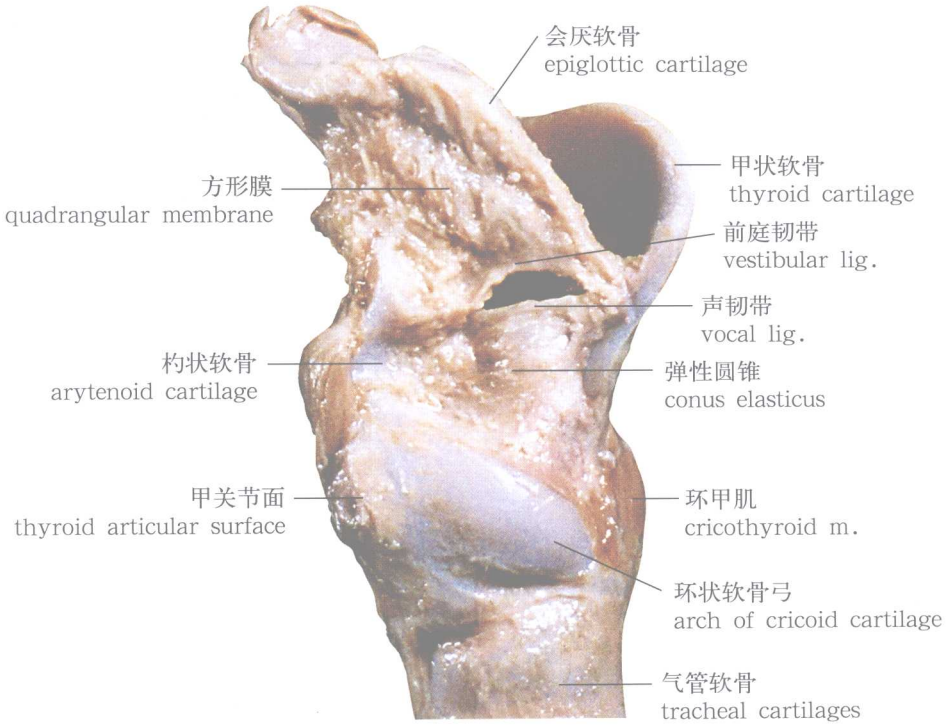


图 243　弹性圆锥和方形膜（侧面观）

The conus elasticus and quadrangular membrane (lateral aspect)

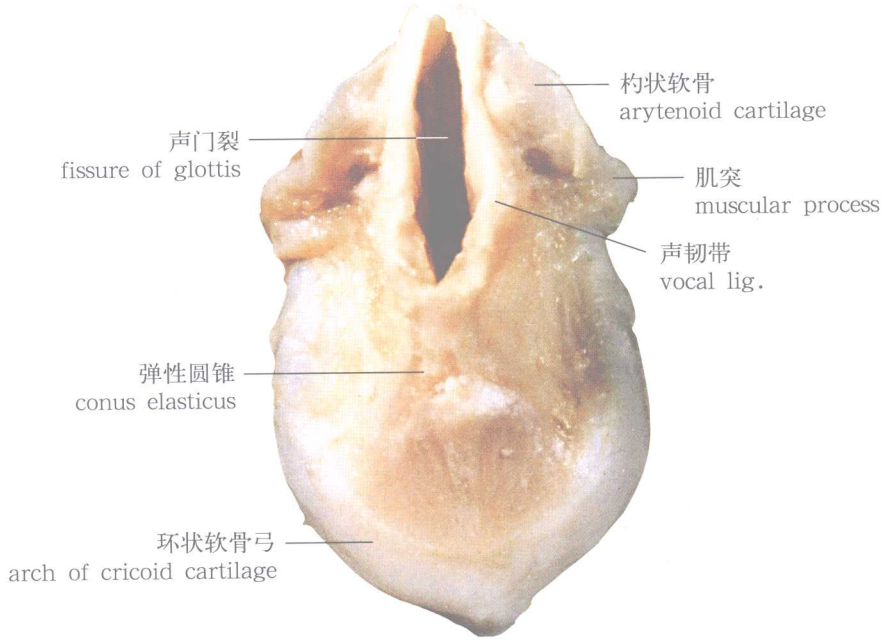


图 244　弹性圆锥

The conus elasticus

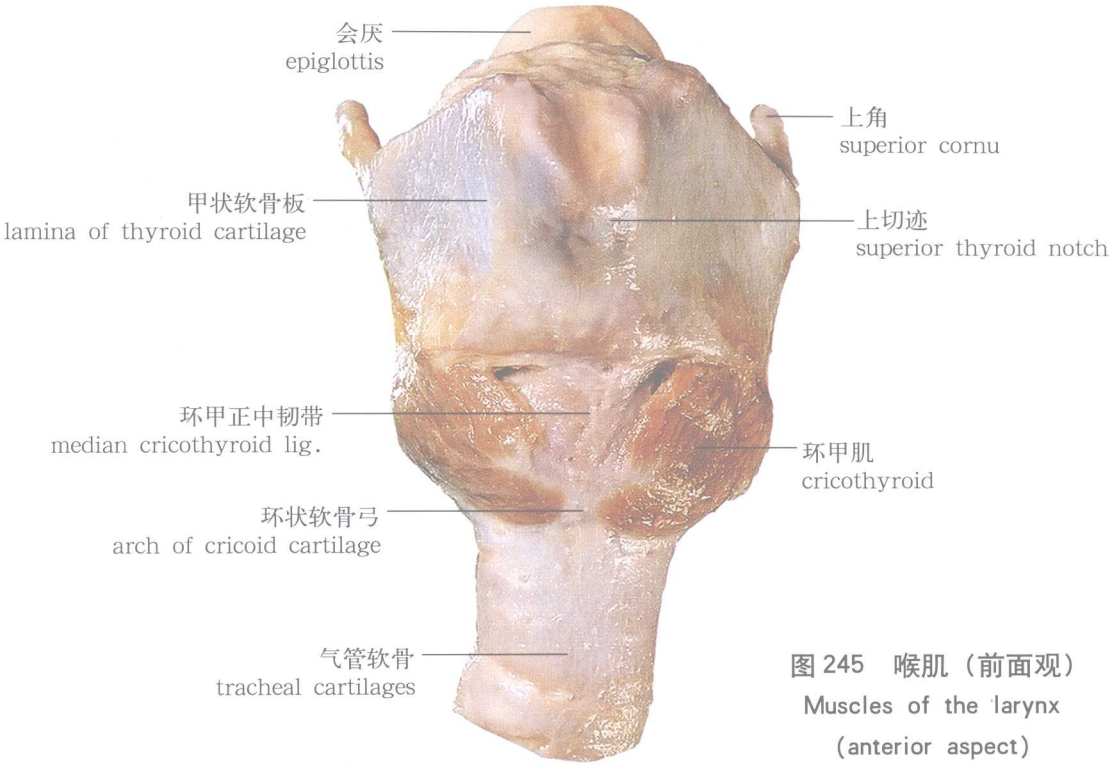


图 245 喉肌（前面观）
Muscles of the larynx
(anterior aspect)

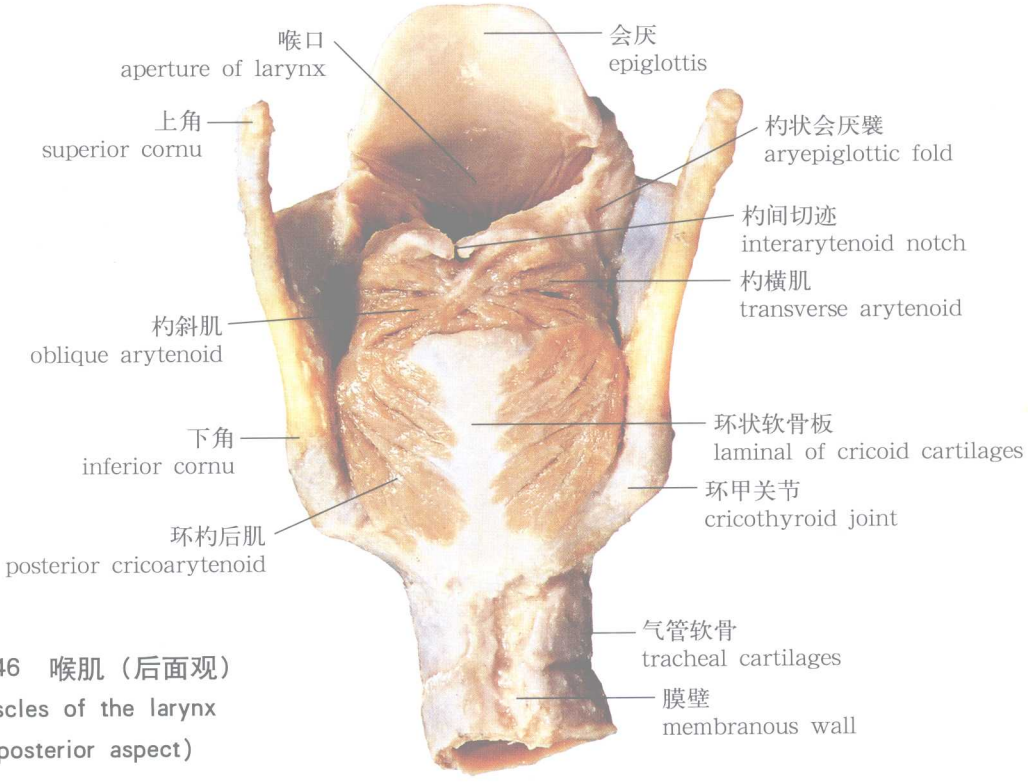


图 246 喉肌（后面观）
Muscles of the larynx
(posterior aspect)

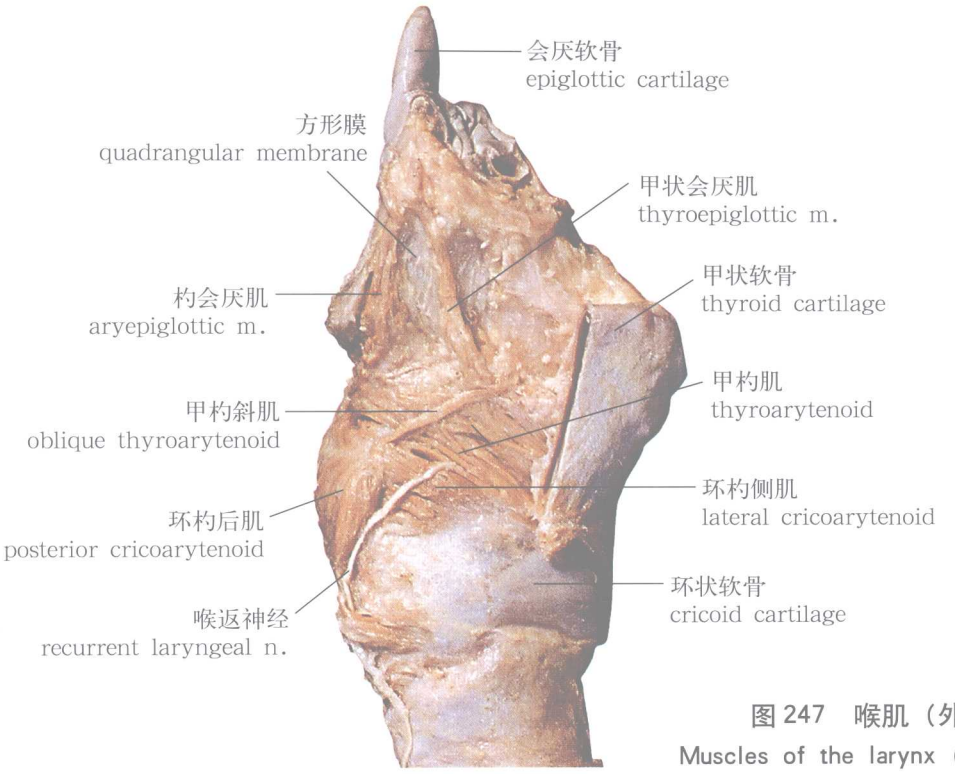


图 247 喉肌（外侧面观）

Muscles of the larynx (lateral aspect)

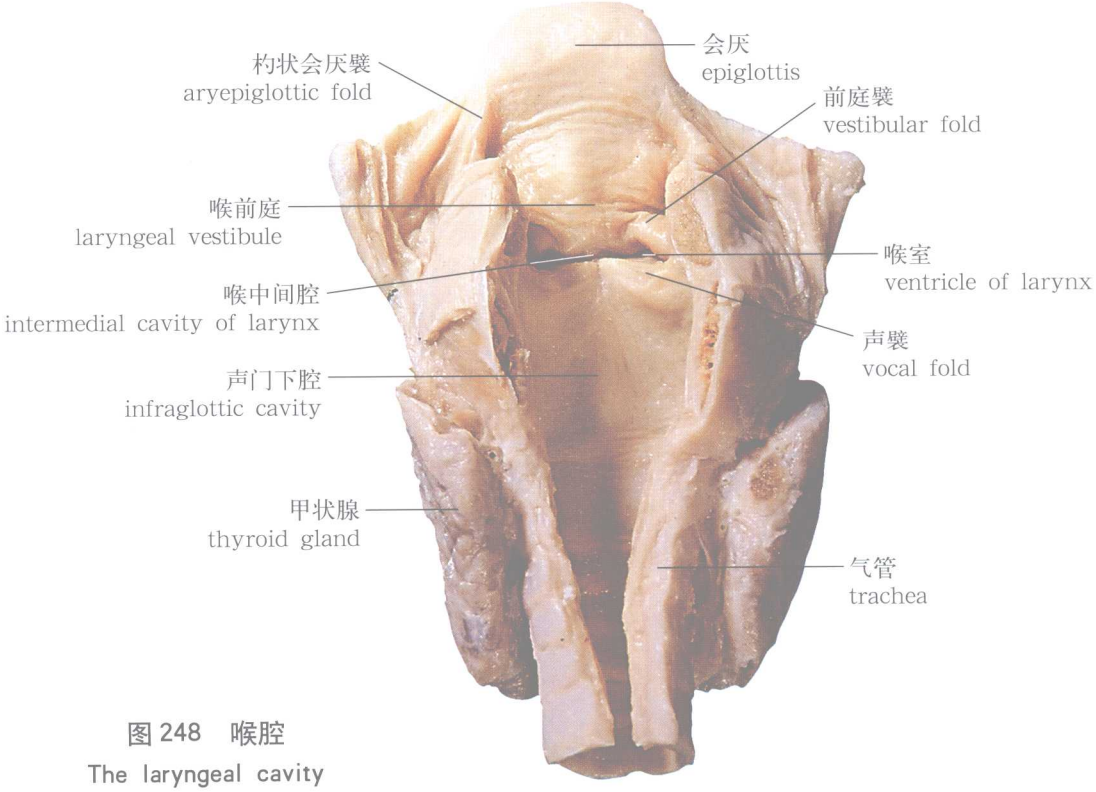


图 248 喉腔

The laryngeal cavity

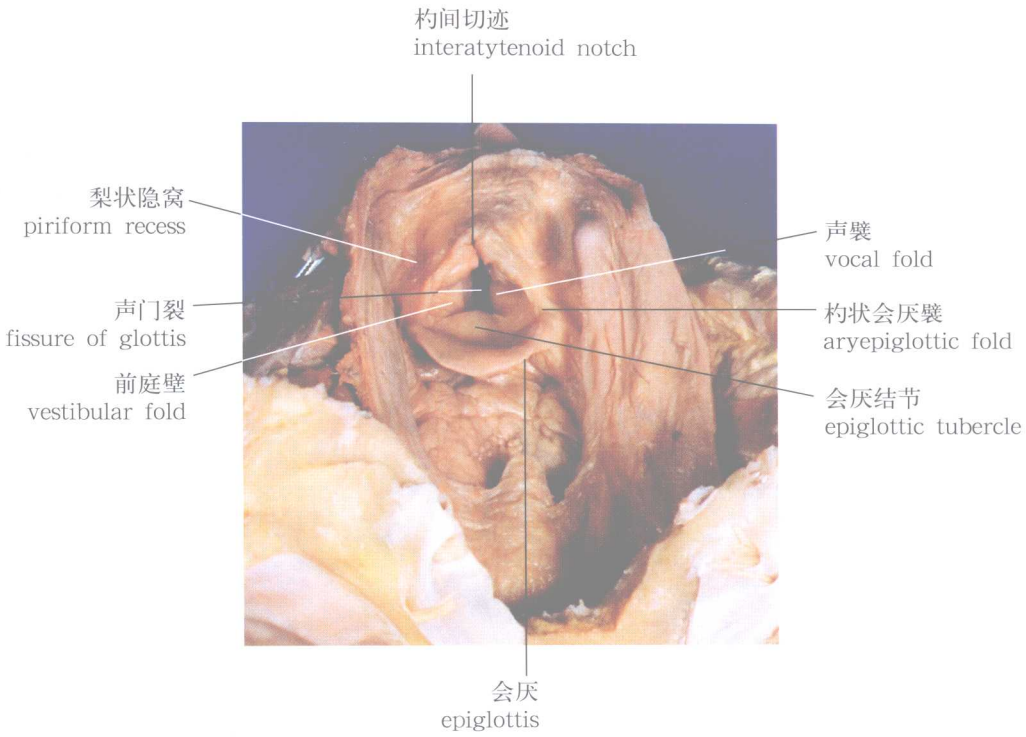


图 249　喉口（上面观）

The aperture of the larynx (superior aspect)

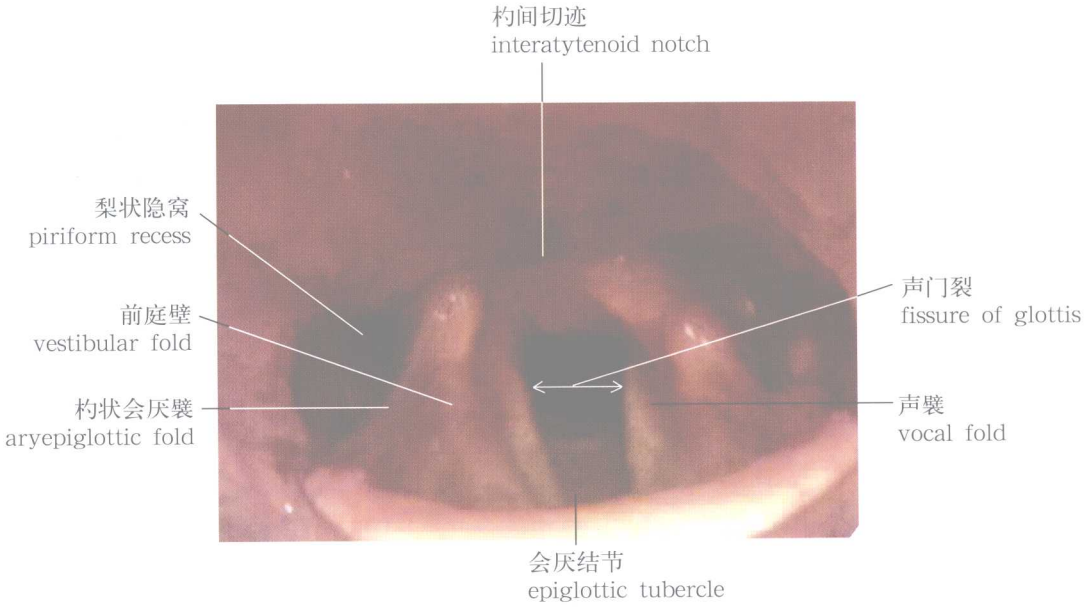


图 250　喉腔内镜图像

Endoscope image of the laryngeal cavity



气管与支气管

主支气管左和右，
左侧细长较水平，
右侧粗短陡又直，
异物坠落多入右。

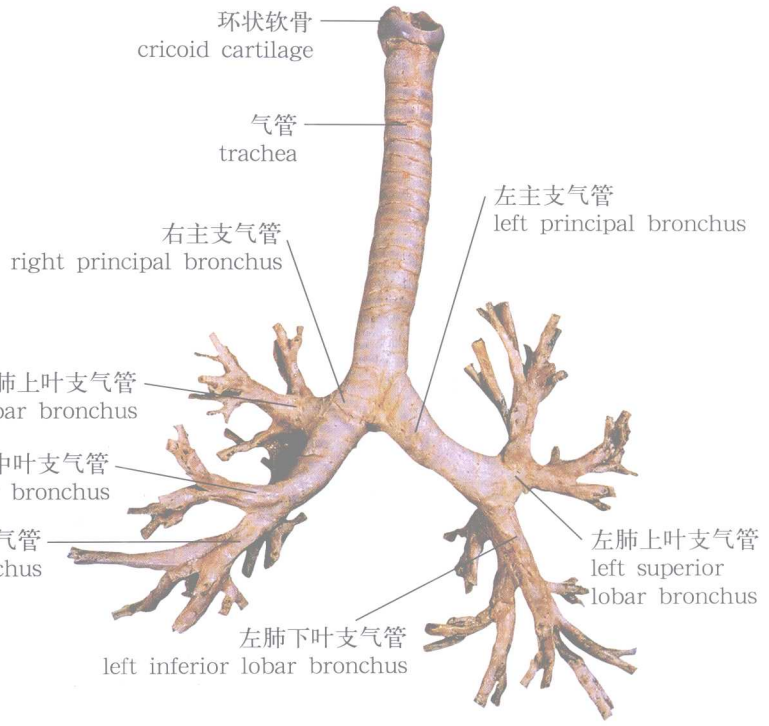


图 251　气管与支气管（前面观）

The trachea and bronchi (anterior aspect)

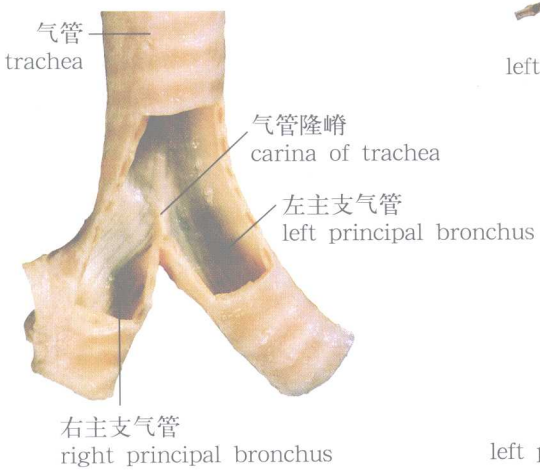


图 252　气管与支气管（切除前壁）

The trachea and bronchi
(part of anterior wall removed)

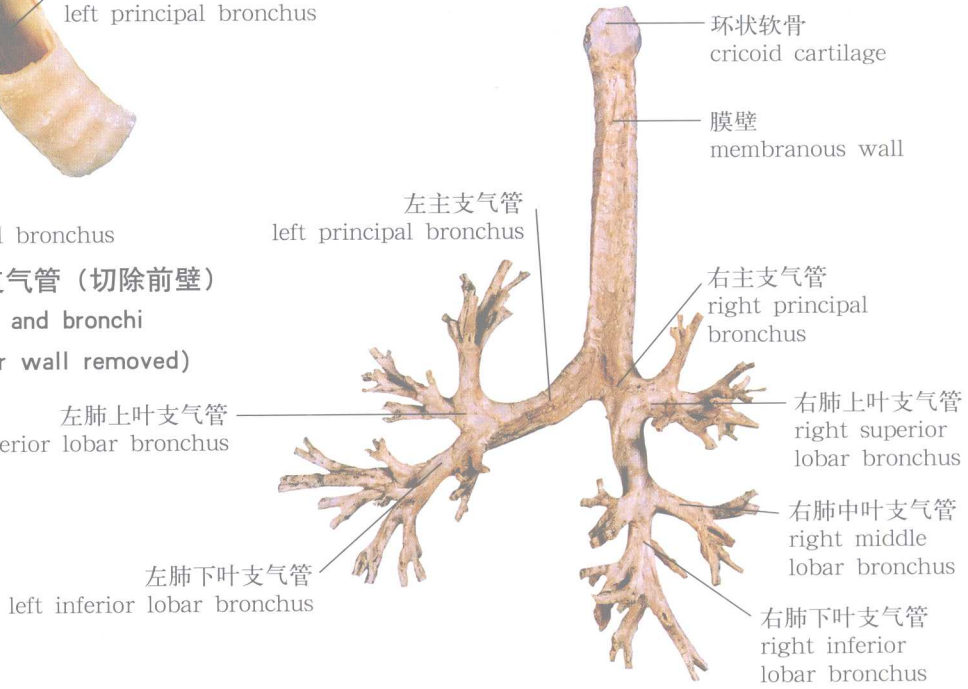


图 253　气管与支气管（后面观）

The trachea and bronchi (posterior aspect)

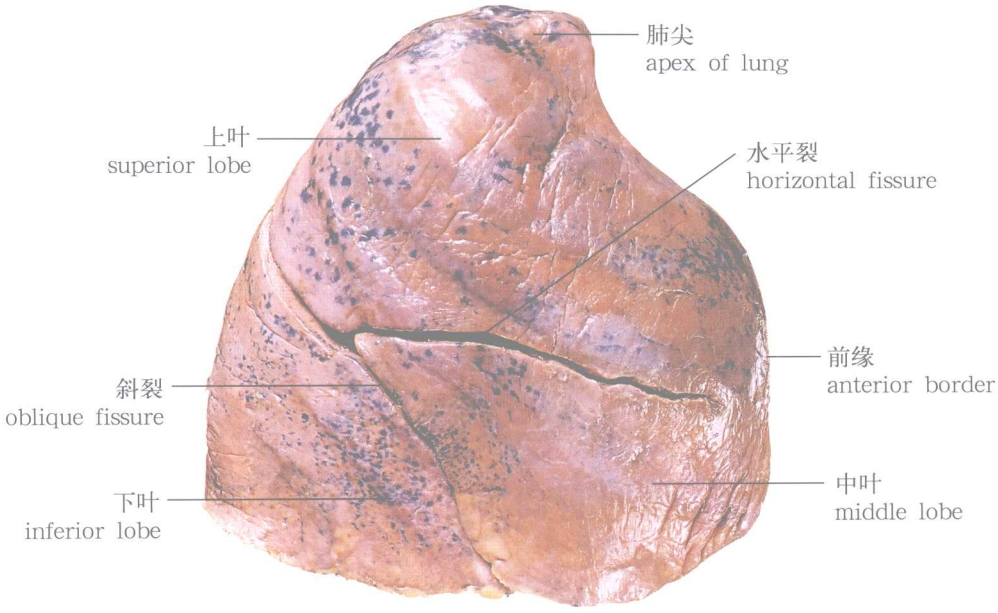


图 254　右肺（前面观）

The right lung (anterior aspect)

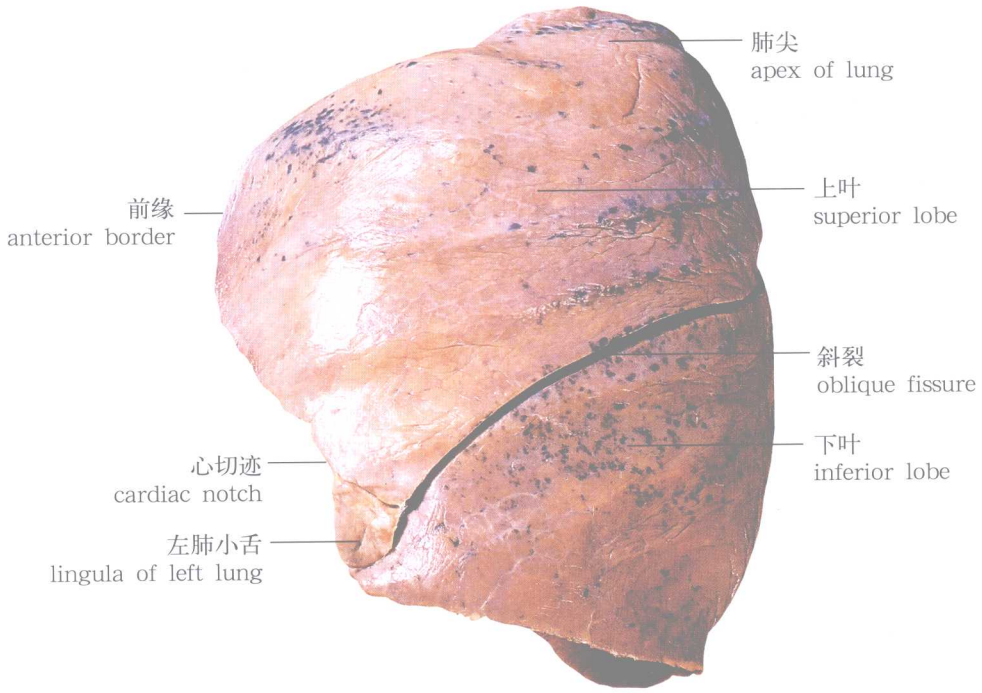


图 255　左肺（前面观）

The left lung (anterior aspect)

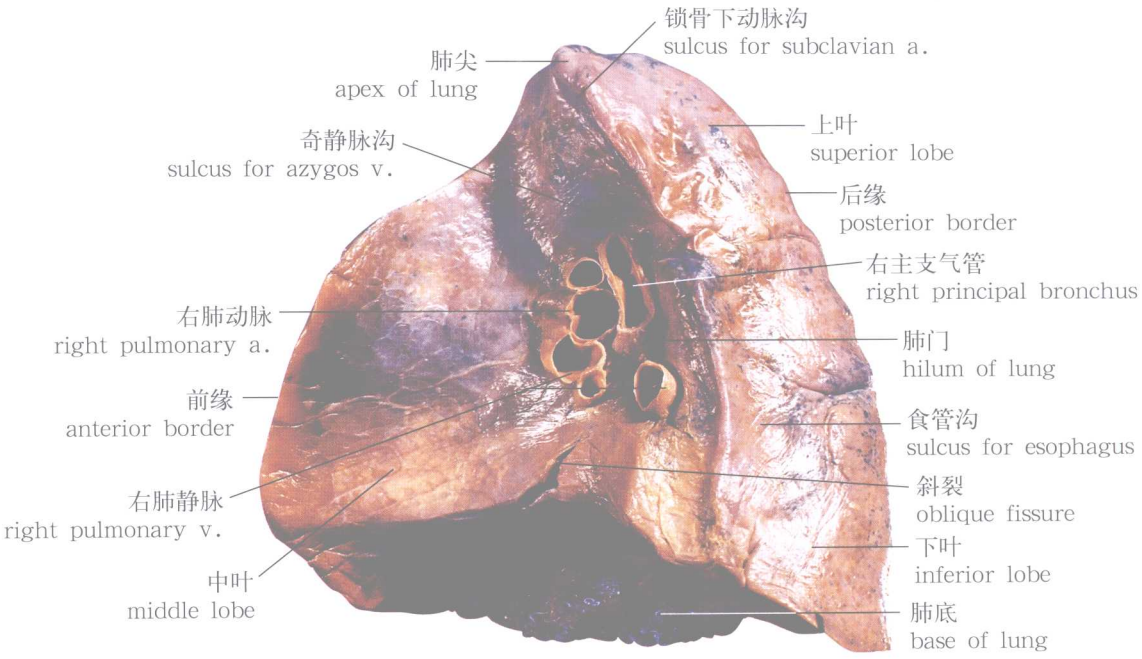


图 256　右肺（内侧面观）

The right lung (medial aspect)

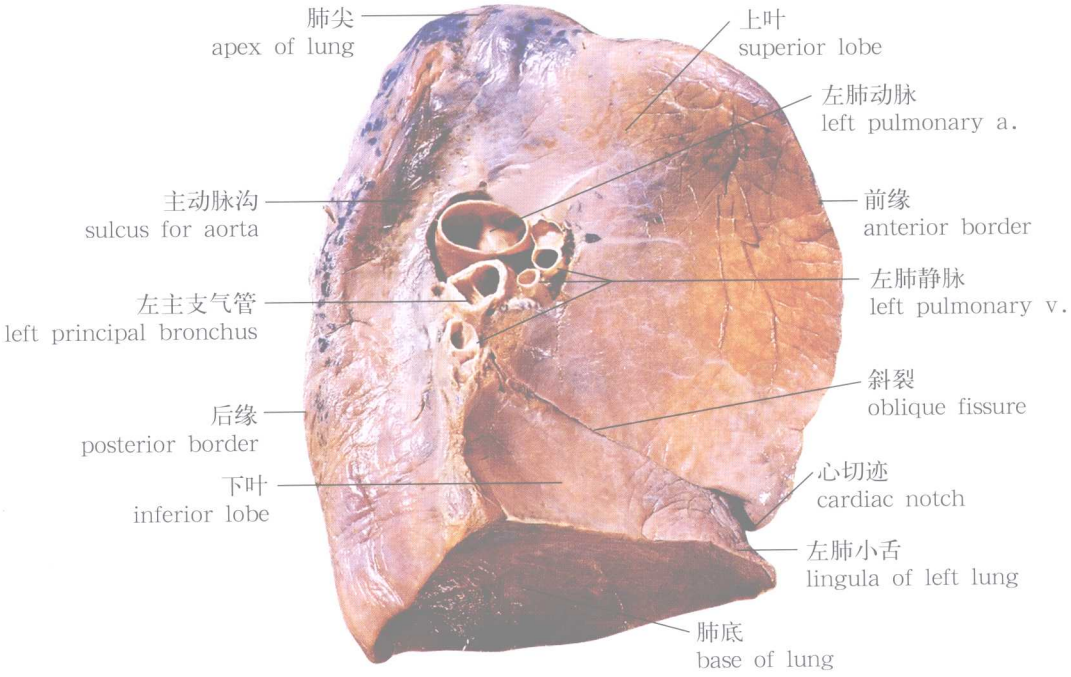


图 257　左肺（内侧面观）

The left lung (medial aspect)

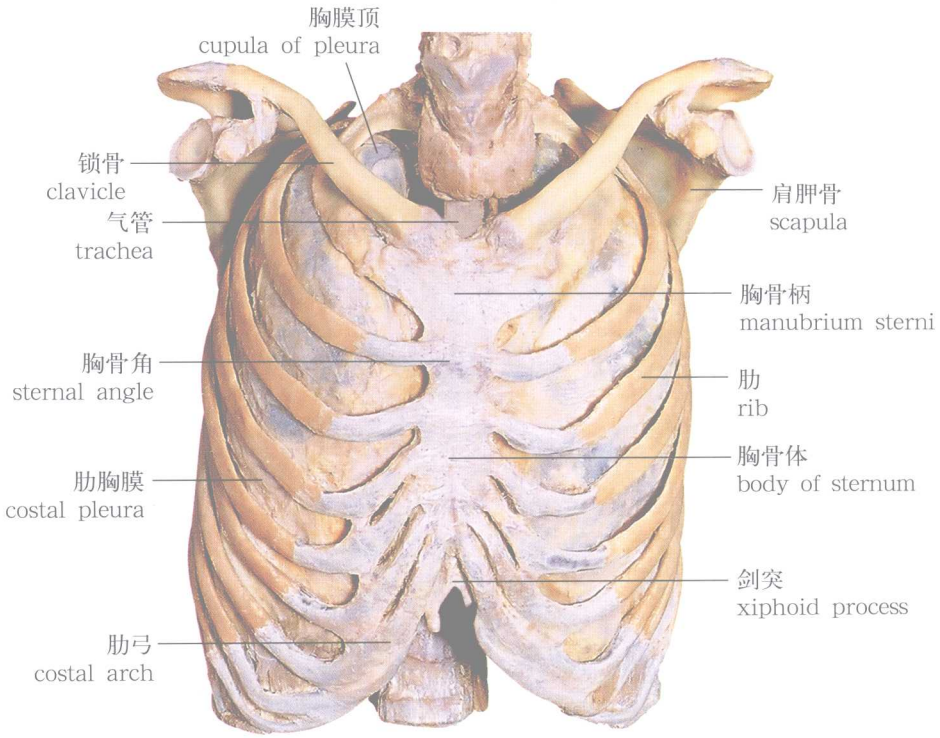


图 258　胸膜（前面观）

The pleura (anterior aspect)

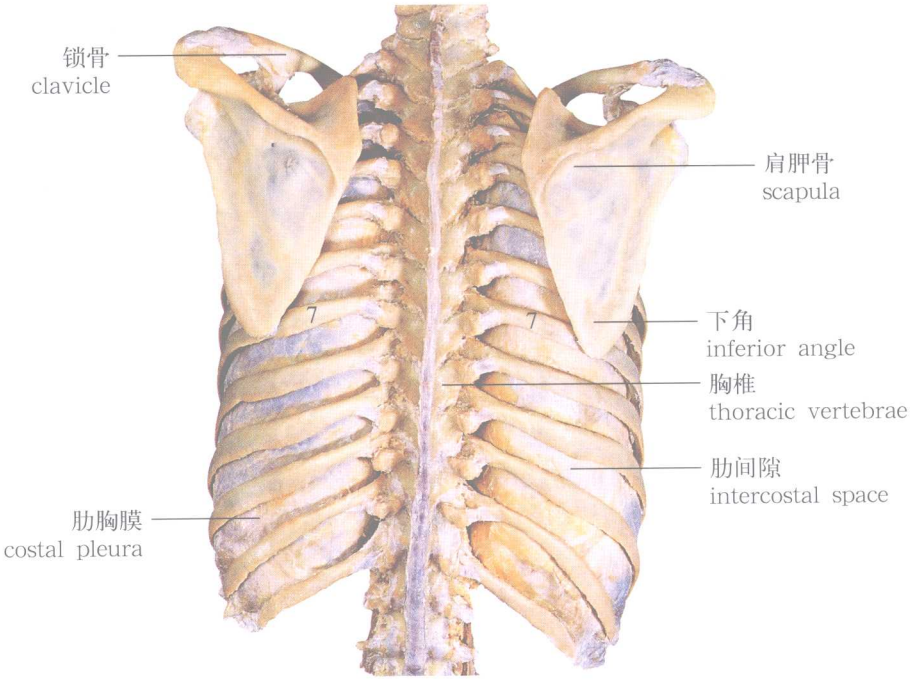


图 259　胸膜（后面观）

The pleura (posterior aspect)

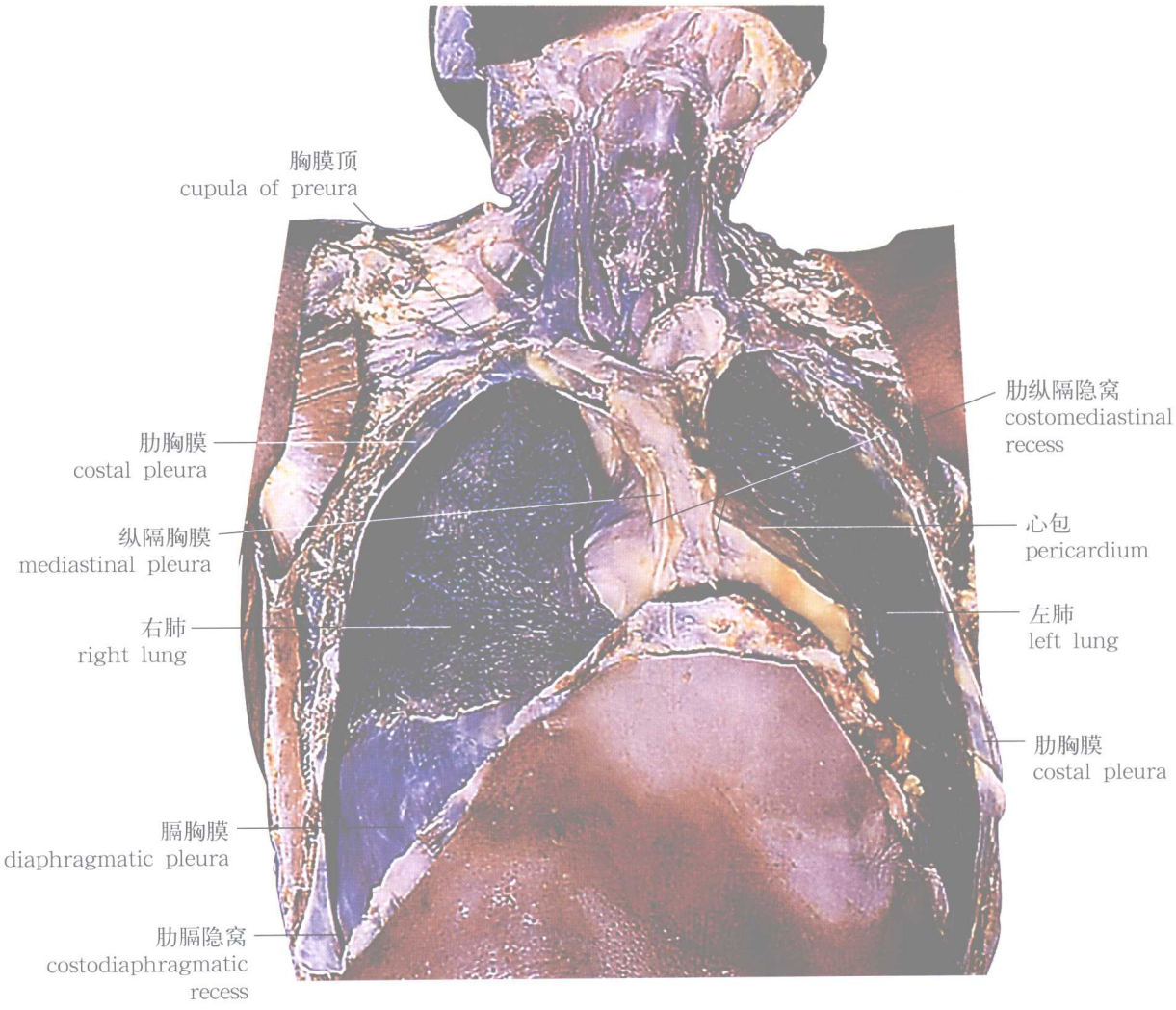


图 260　胸膜腔（前面观）

The pleural cavity (anterior aspect)

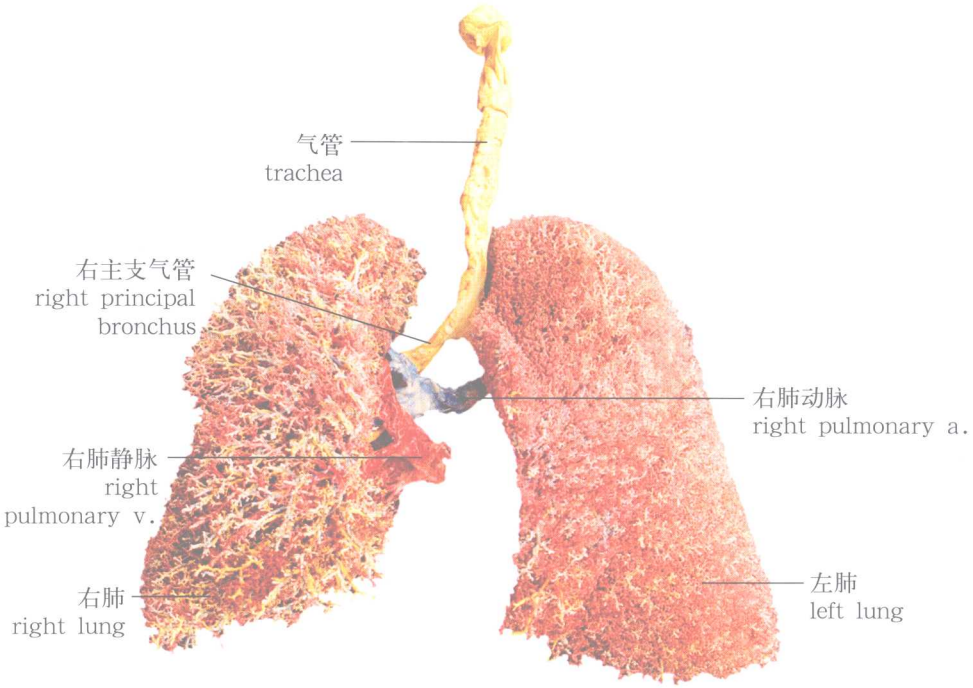


图 261　肺铸型

The cast of the lung

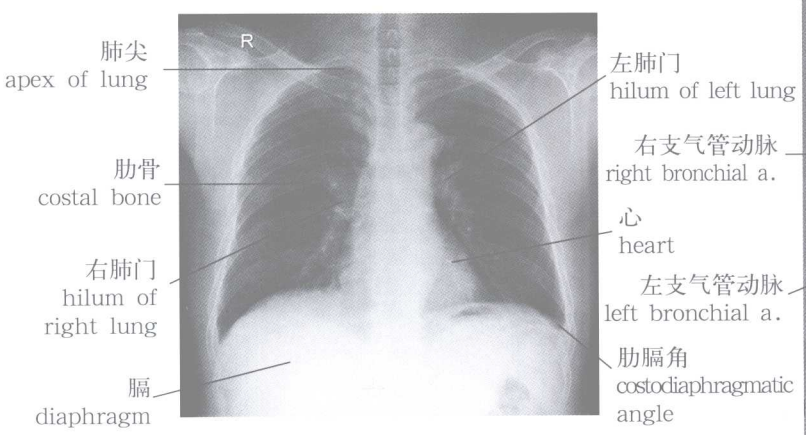


图 262　胸部 X 线图像（正位）

Radiograph of the thorax (anterior aspect)



图 263　支气管动脉造影

The bronchial arteriography

第7章

泌尿生殖系统

UROGENITAL SYSTEM

Chapter 7

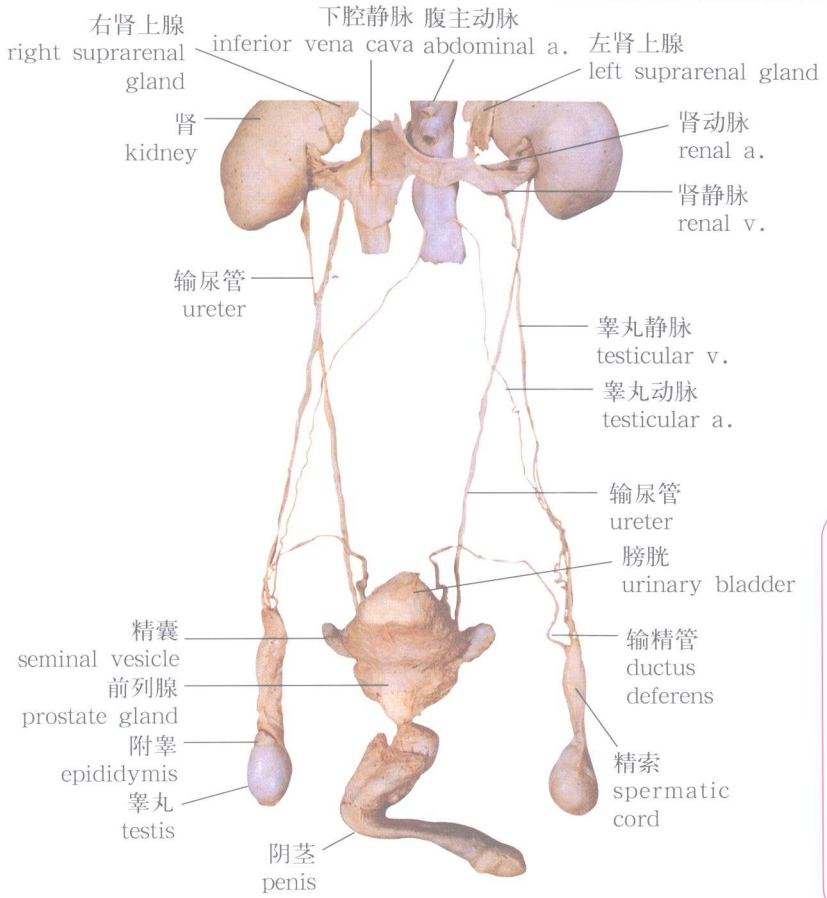


图 264　男性泌尿生殖系统（前面观）

General arrangement of the male urogenital system (anterior aspect)



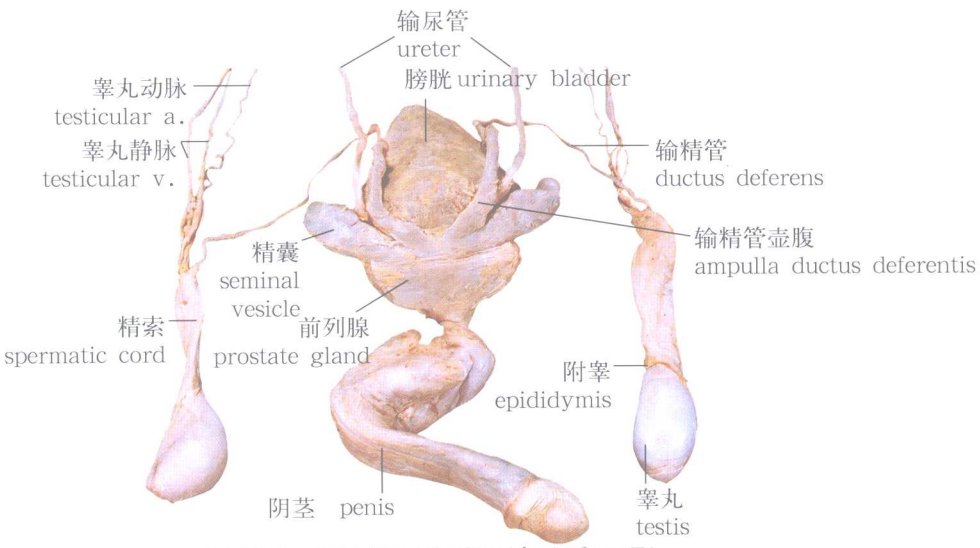


图 265　男性泌尿生殖系统（后面观）

General arrangement of the male genital system (posterior aspect)

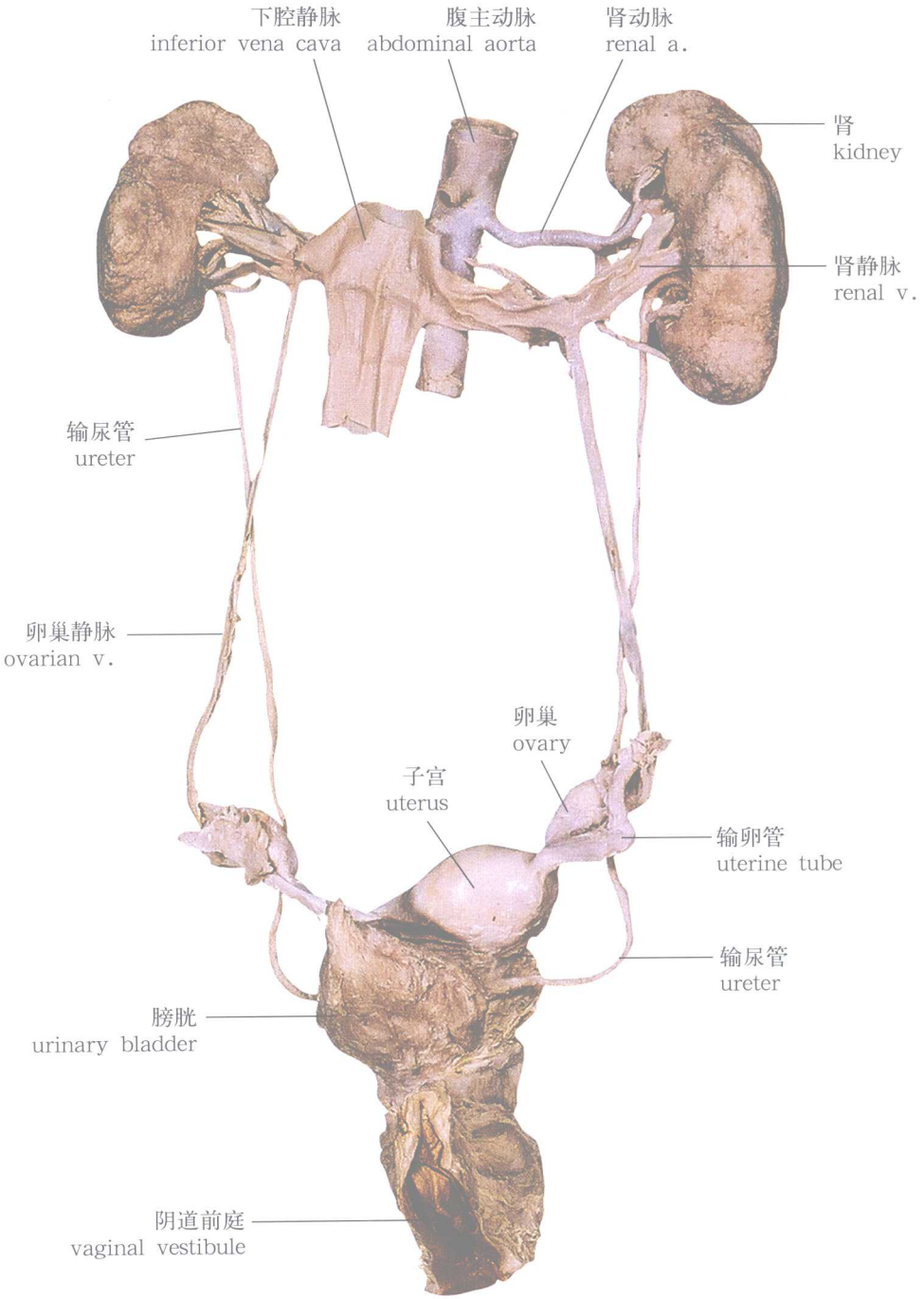


图 266　女性泌尿生殖系统（前面观）

General arrangement of the female urogenital system (anterior aspect)

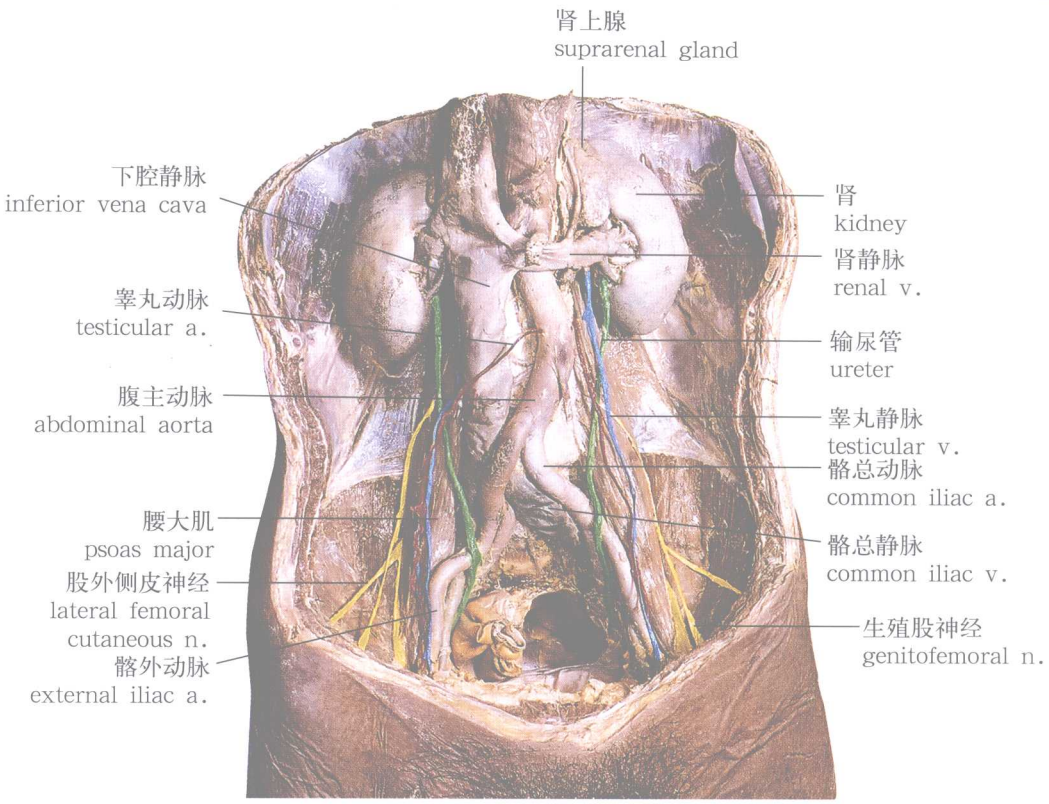


图 267　肾和输尿管的位置

Locations of the kidney and ureter

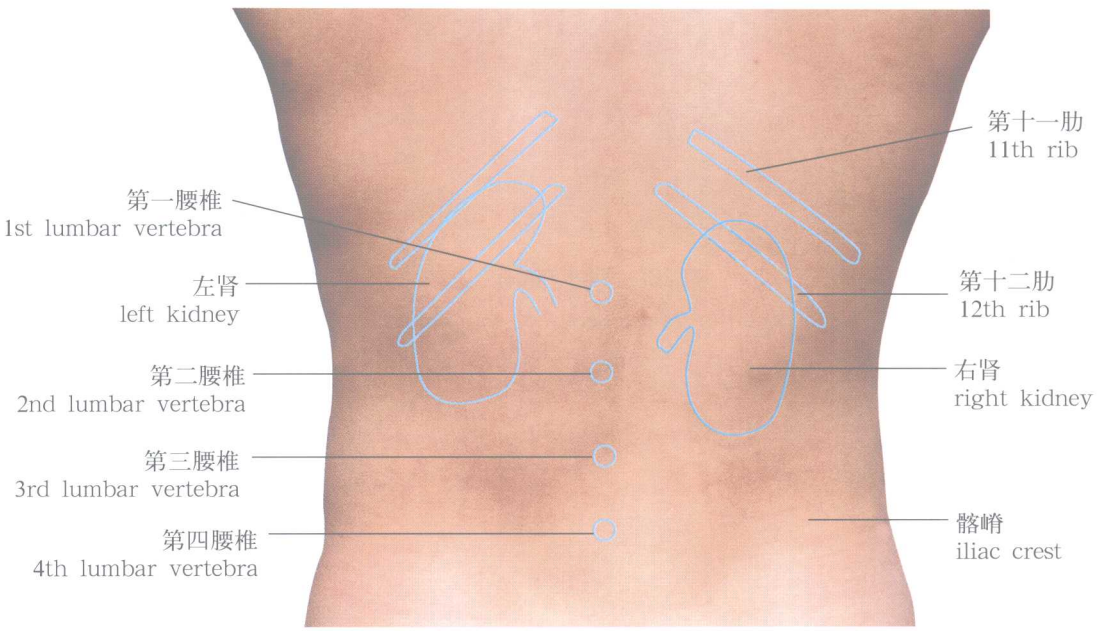


图 268　肾的体表标志

Surface markings of the kidney

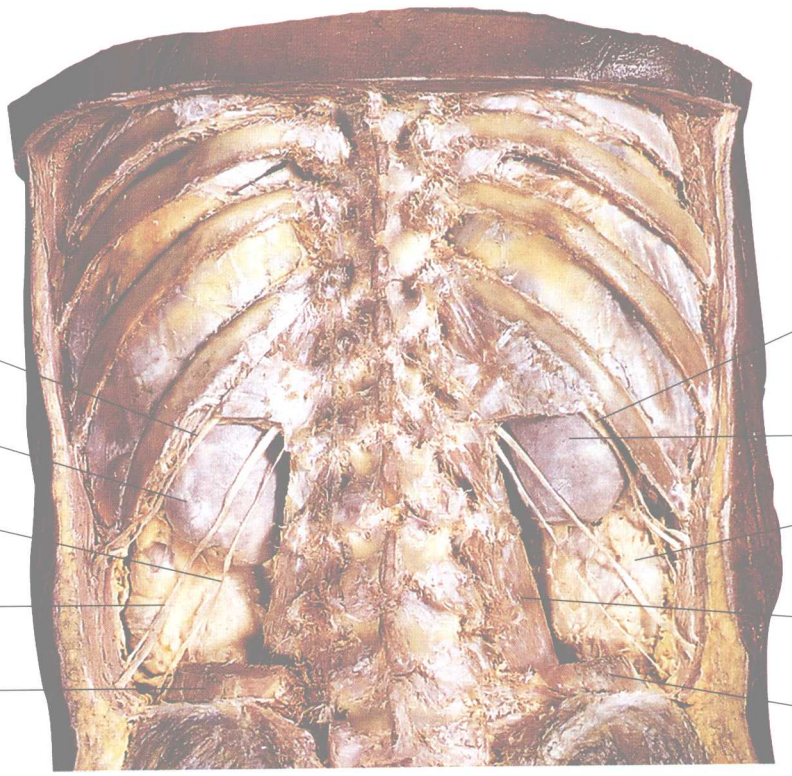


图 269　肾后面毗邻

Posterior relationship of the kidney

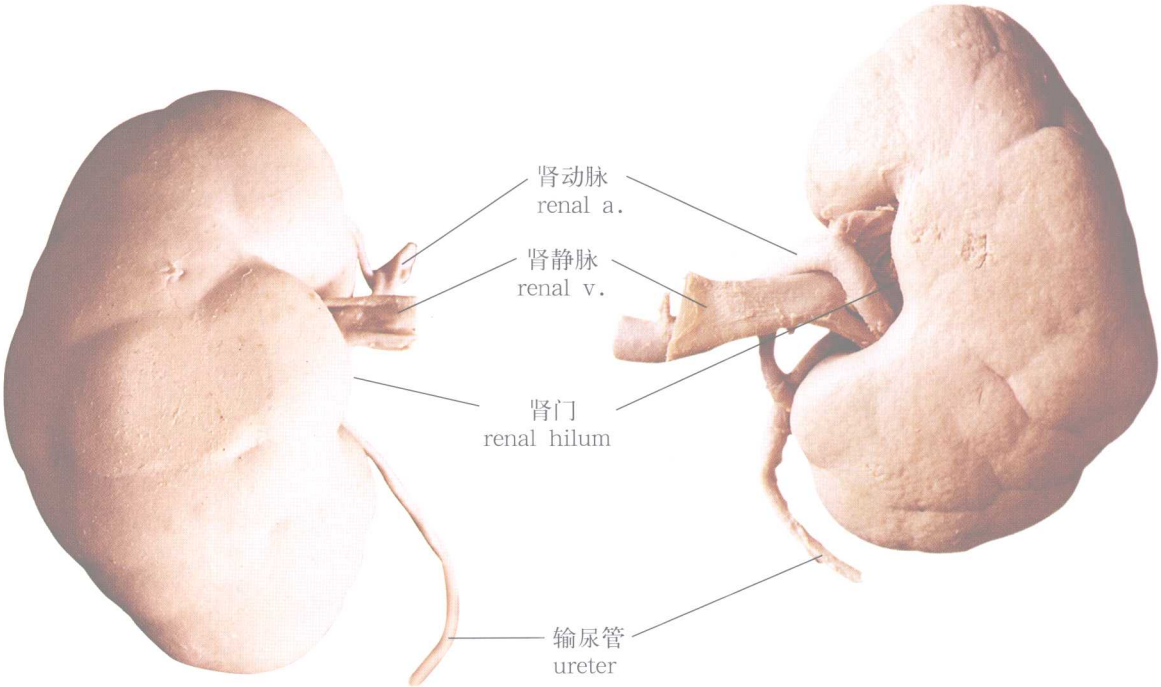


图 270　右肾（前面观）
The right kidney (anterior aspect)

图 271　左肾（前面观）
The left kidney (anterior aspect)

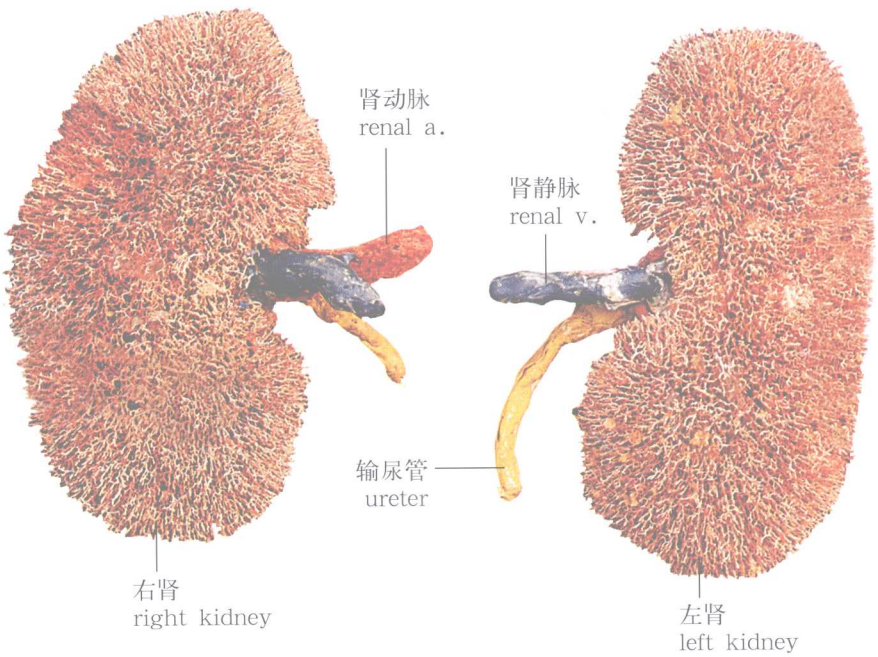


图 272　肾铸型
The cast of the kidney

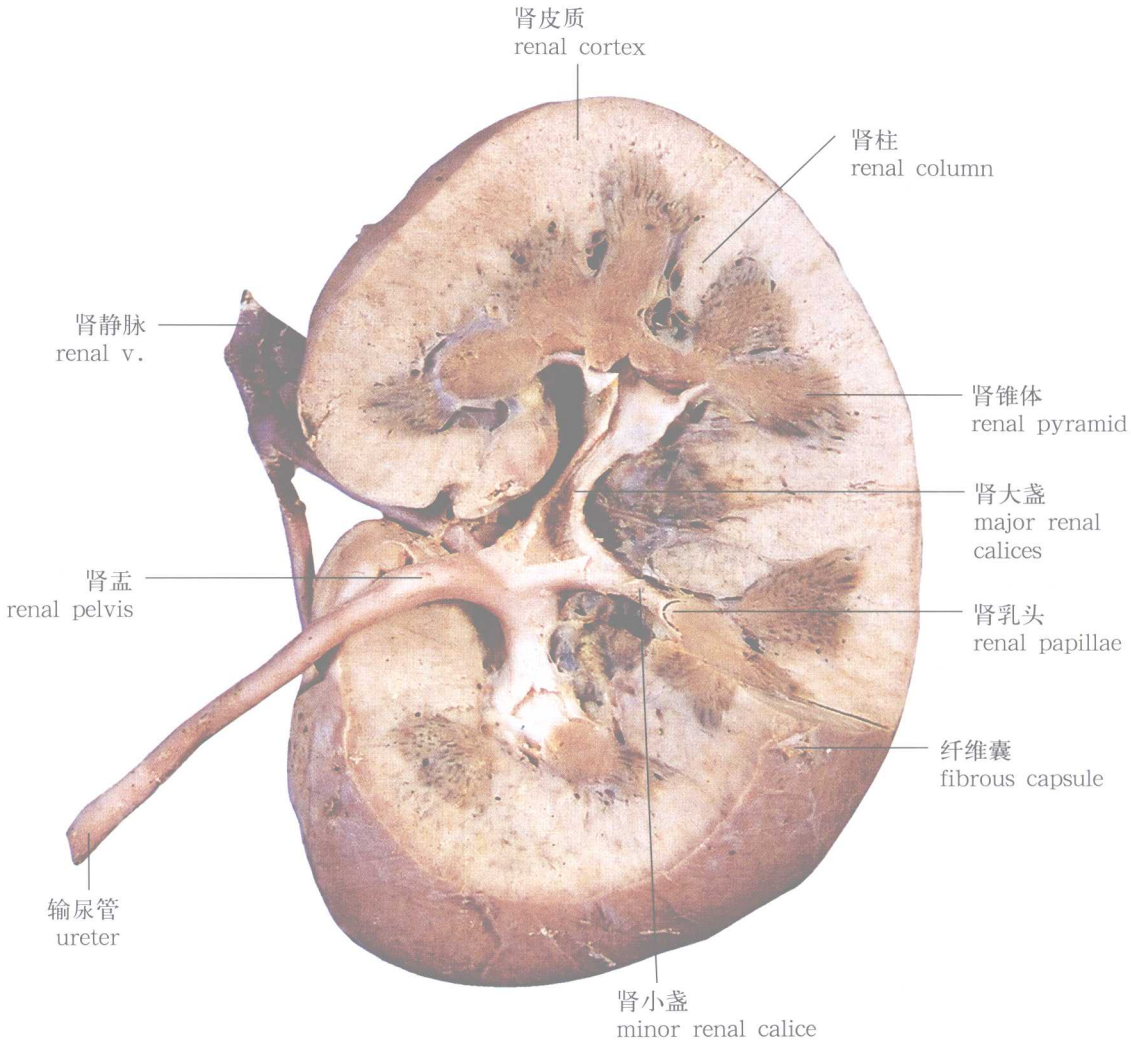


图 273　肾（冠状切面）

The kidney (coronal section)

肾

形如蚕豆表面平，脊柱旁列八字形，
两缘两端前后面，中部凹陷是肾门，
左肾上平胸十一，右低半椎十二中，
纤维内衣脂肪袄，筋膜合围两肾袍。

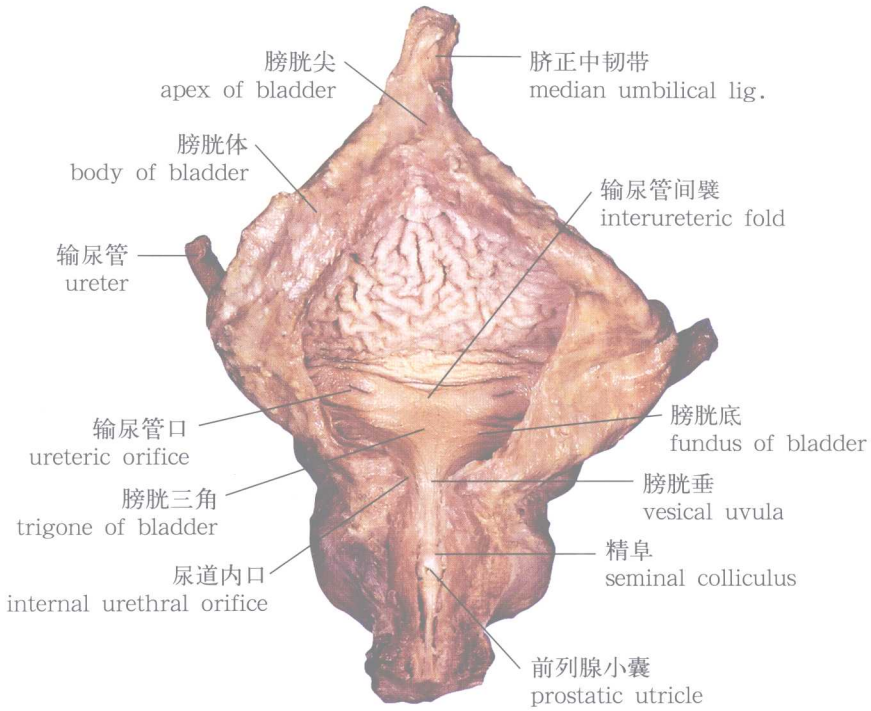


图 274　膀胱和前列腺（前面观）

The urinary bladder and prostate gland (anterior aspect)

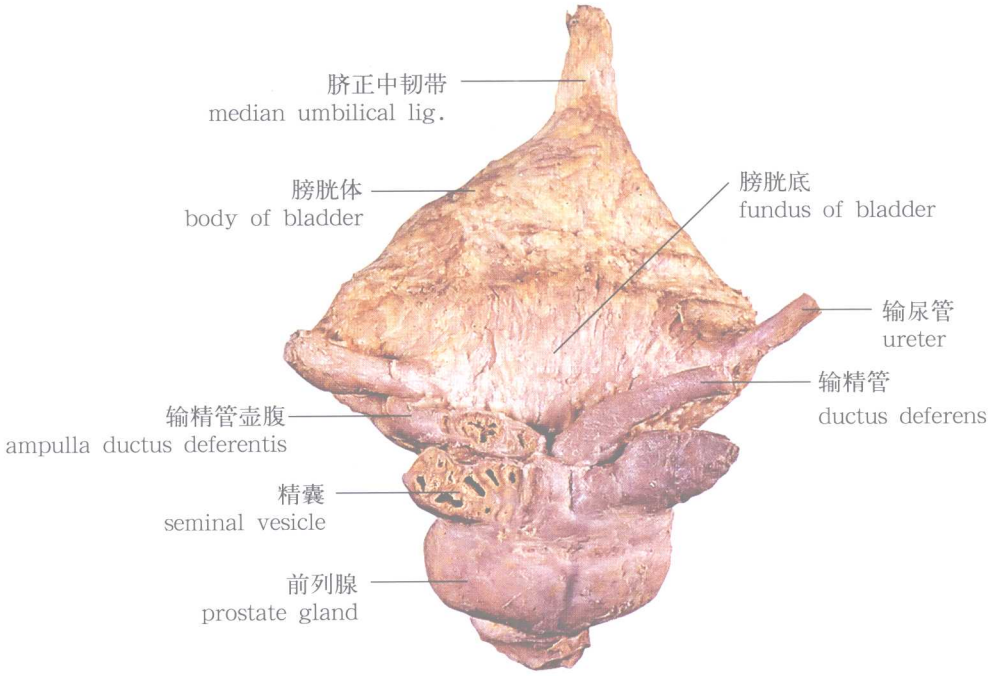


图 275　膀胱、前列腺、精囊和输精管（后面观）

The urinary bladder, prostate gland, seminal vesicle and ductus deferens (posterior aspect)

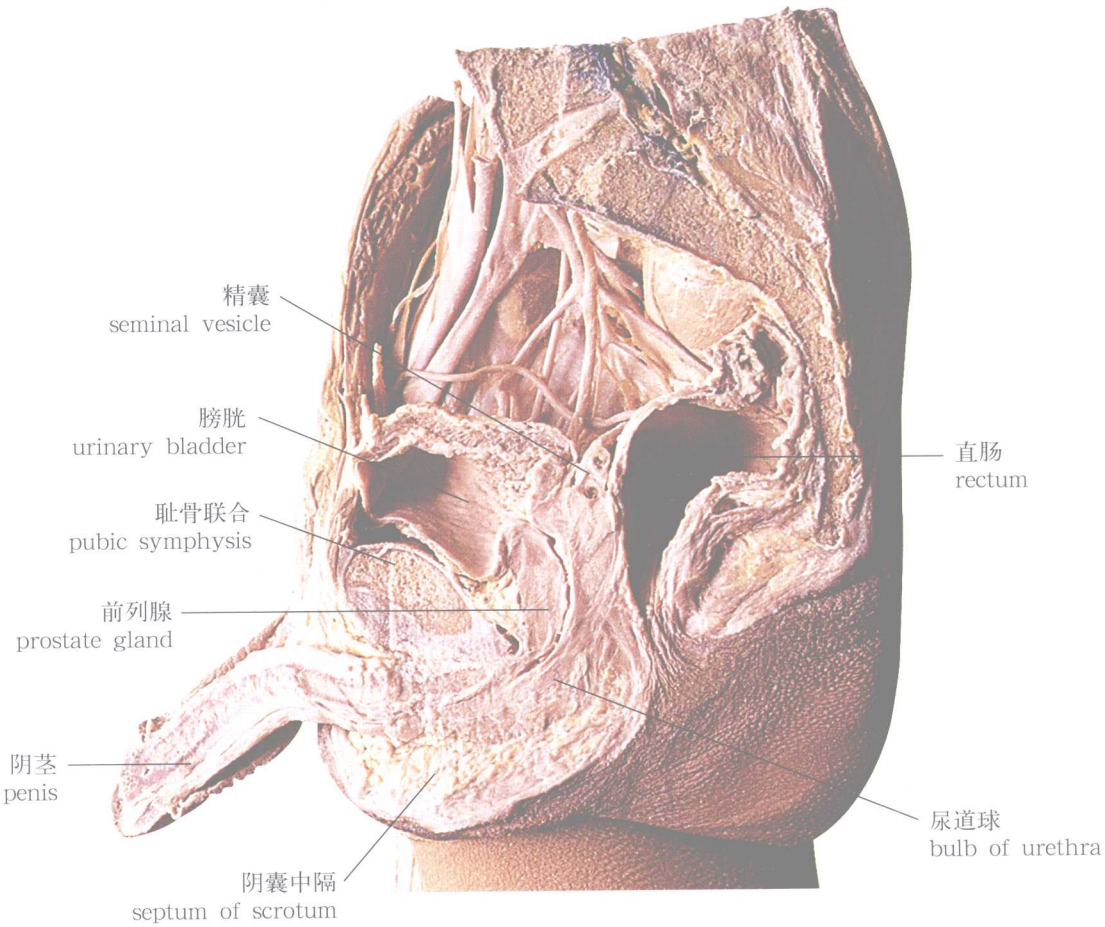


图 276　男性盆部（正中矢状切面）

The pelvis of the male (median sagittal section)

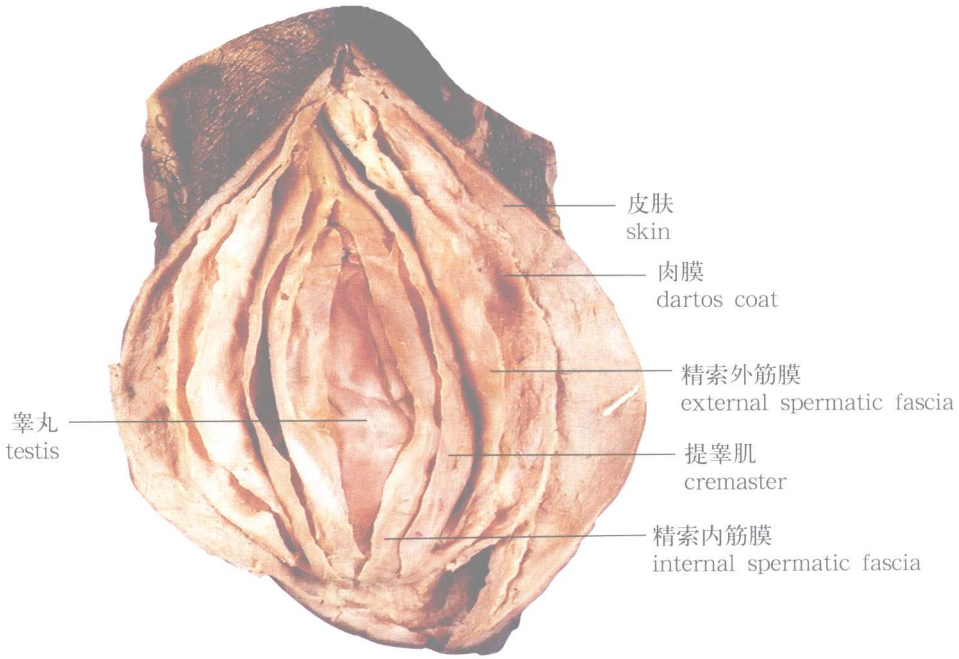


图 277 睾丸和精索被膜

Coverings of the testis and spermatic cord

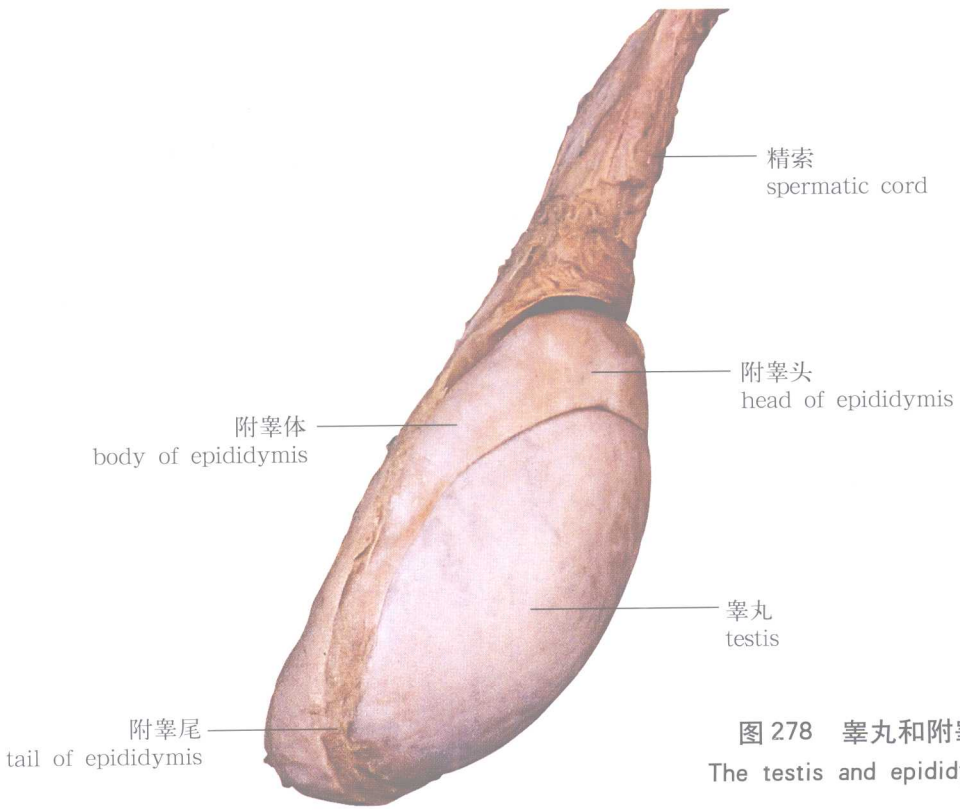


图 278 睾丸和附睾

The testis and epididymis

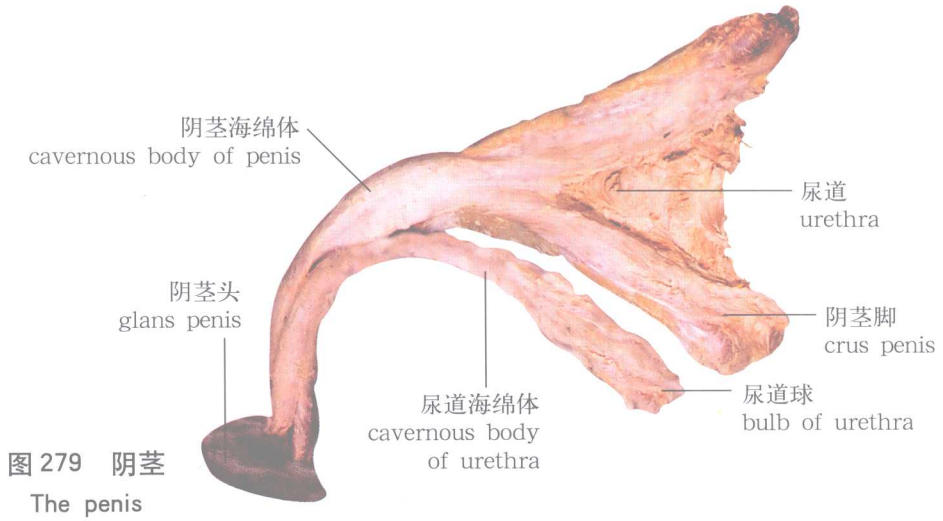


图 279 阴茎

The penis

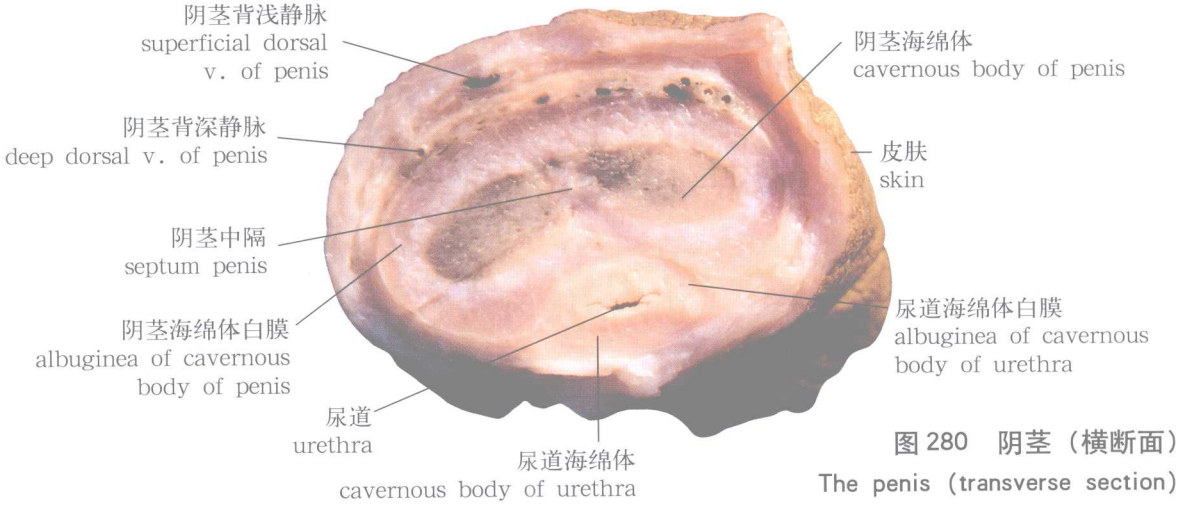


图 280 阴茎（横断面）

The penis (transverse section)

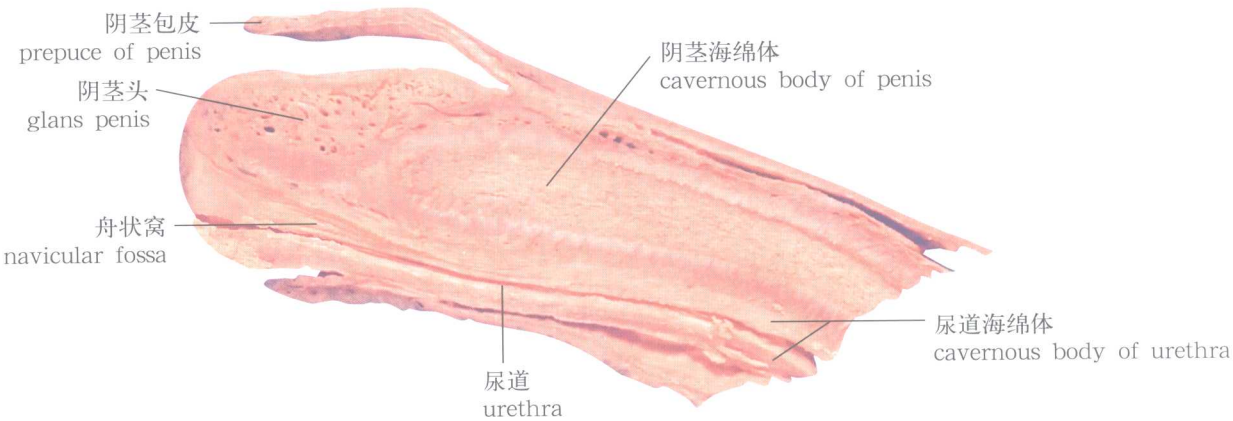


图 281 阴茎（正中矢状切面）

The penis (median sagittal section)

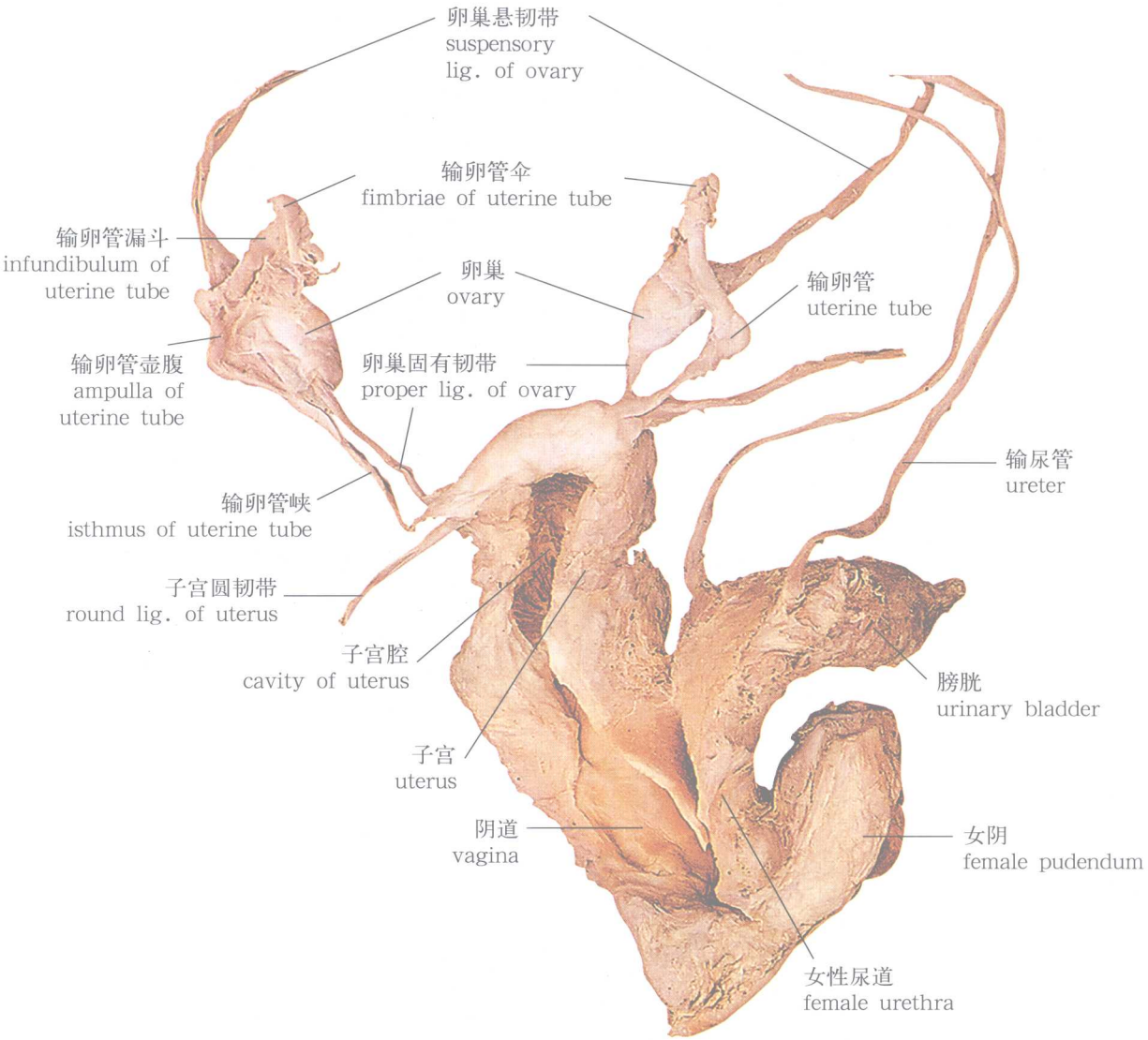


图 282　女性生殖系统概观

General arrangement of the female genital system

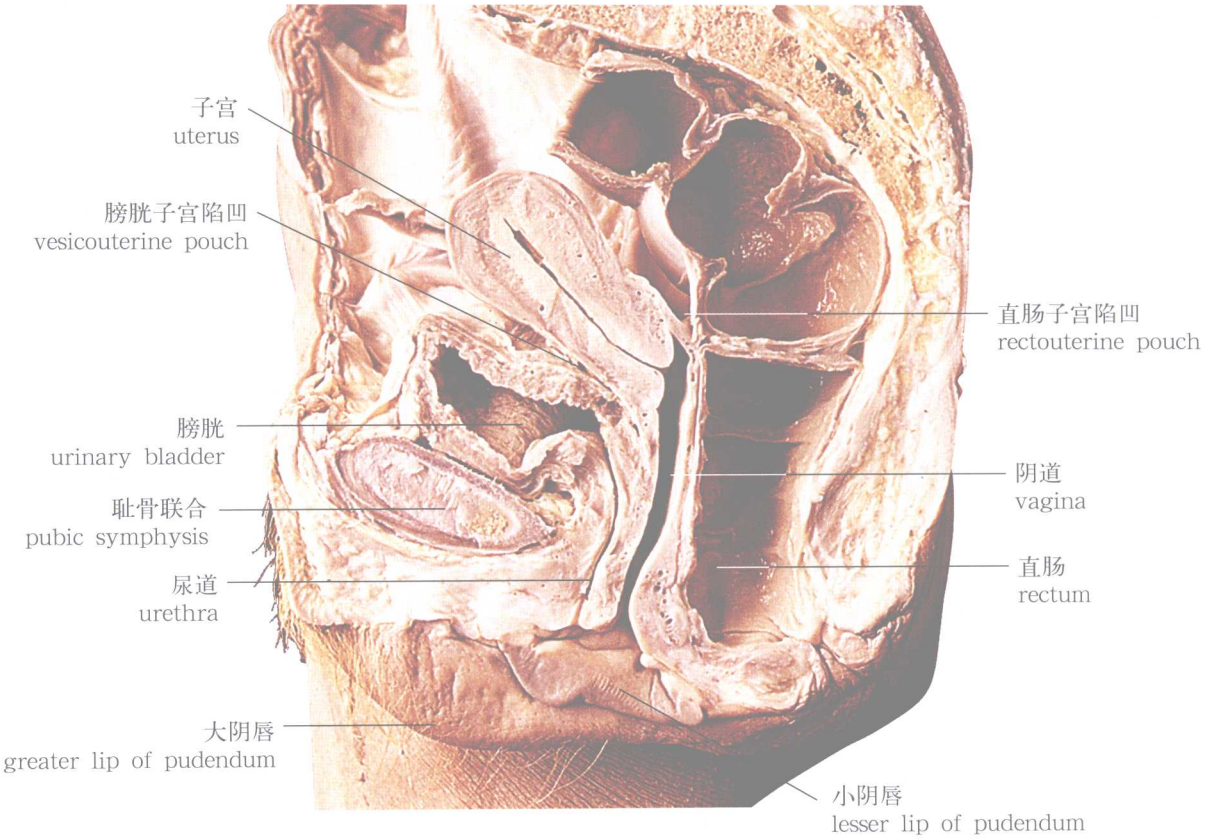


图 283　女性盆部（正中矢状切面）

The pelvis of the female (median sagittal section)

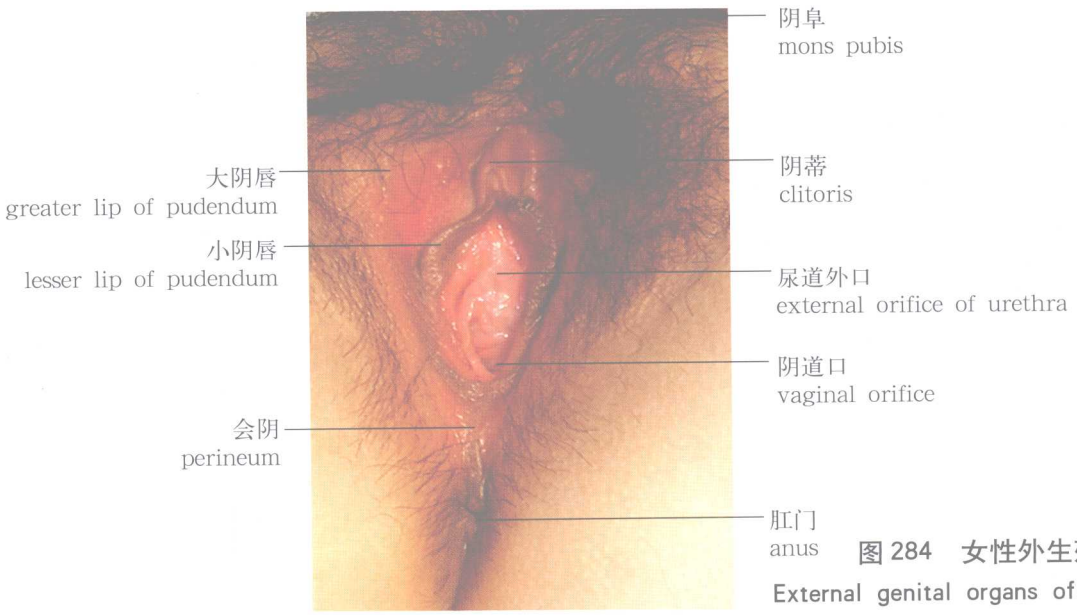


图 284　女性外生殖器

External genital organs of the female

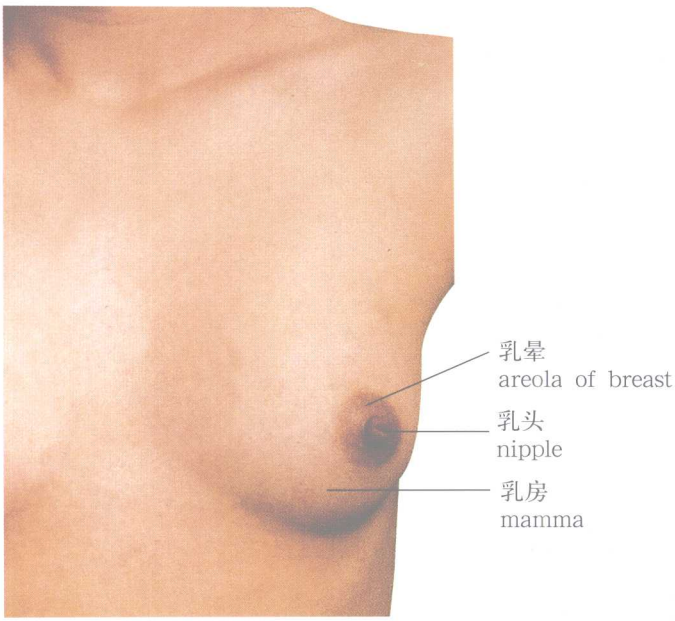


图 285 乳房（1）
The mamma (1)

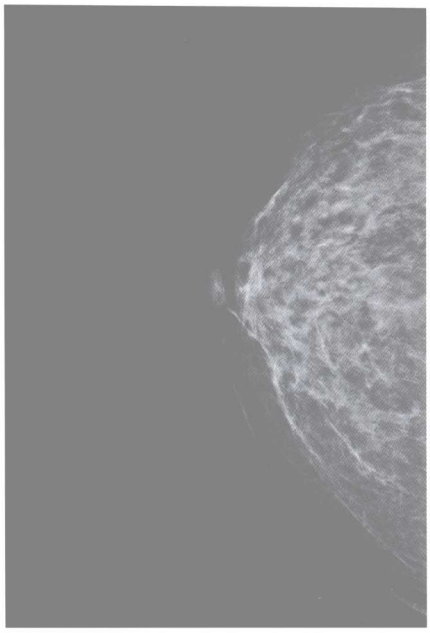


图 286 乳房的 X 线摄影
Radiograph of the mamma

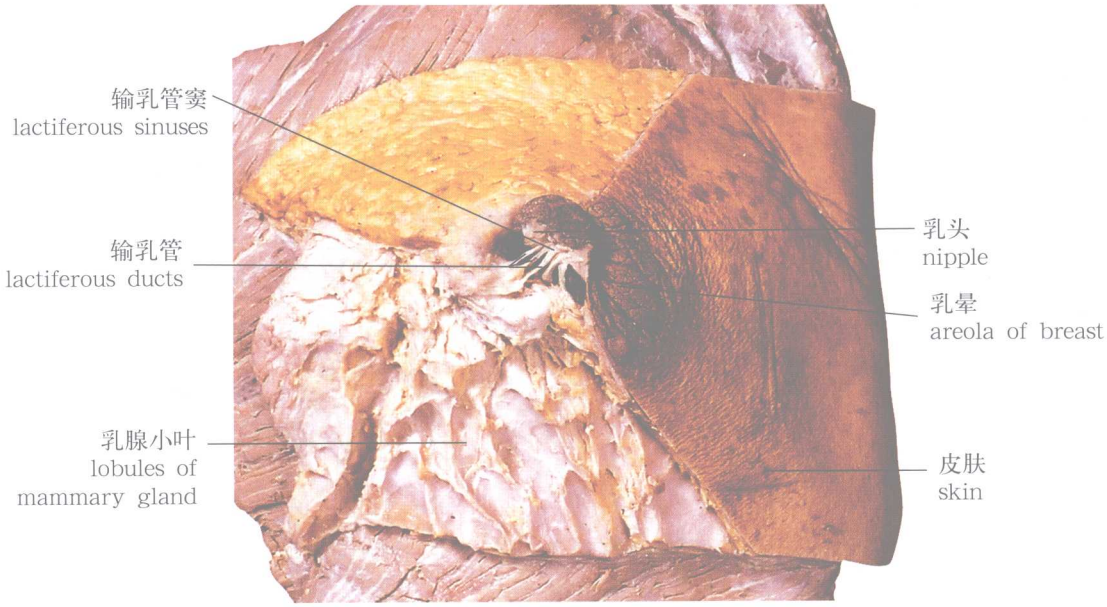


图 287 乳房（2）
The mamma (2)

第8章

心脏

HEART

Chapter 8

心

心居胸腔纵隔间，三分之二在左边，
四腔四瓣两心耳，三缘两面加底尖，
左右冠状动脉支，供应心肌营养源，
心内注射要记清，胸骨左缘四肋间。

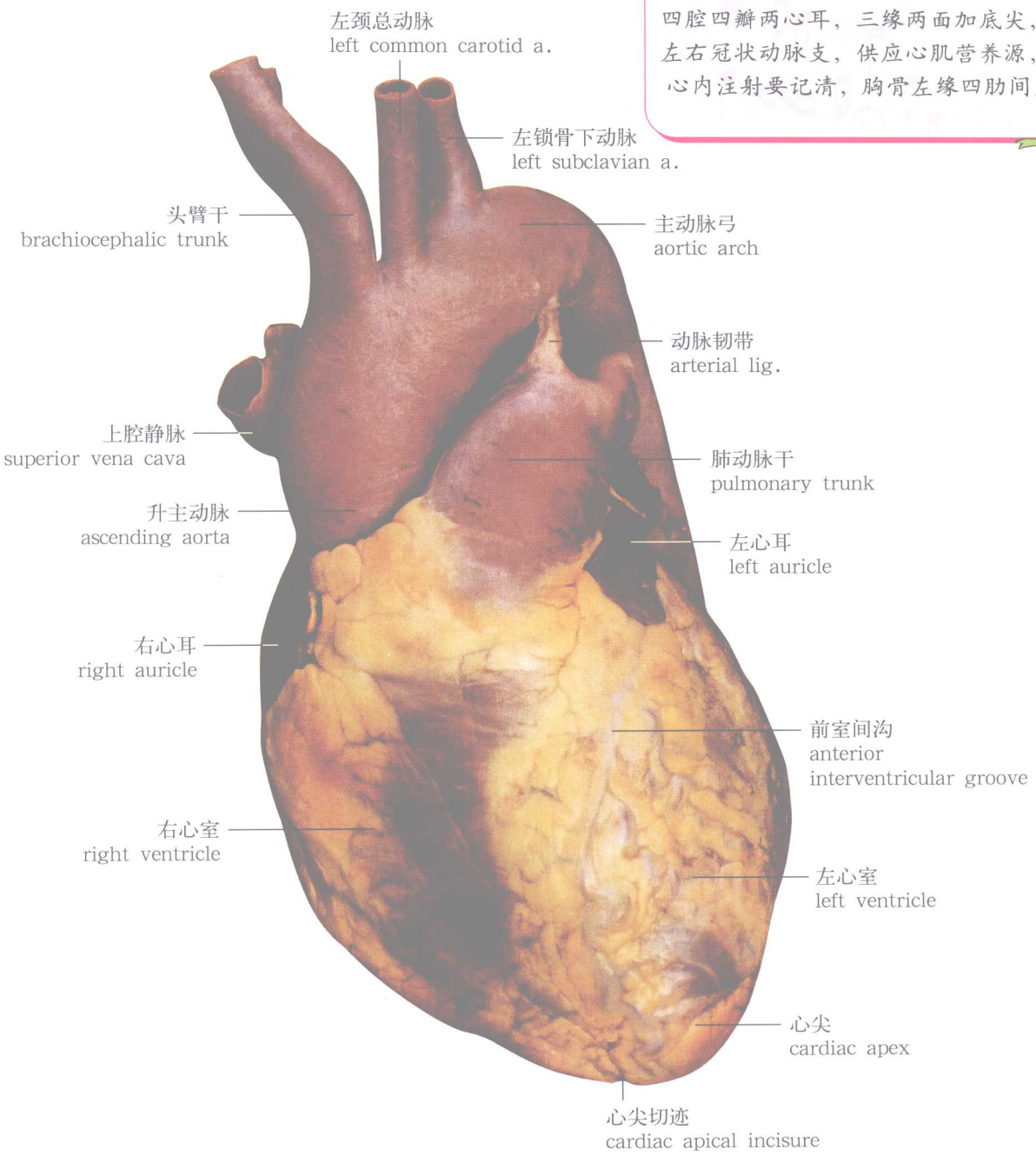


图 288　心脏的外形（前面观）

External features of the heart (anterior aspect)

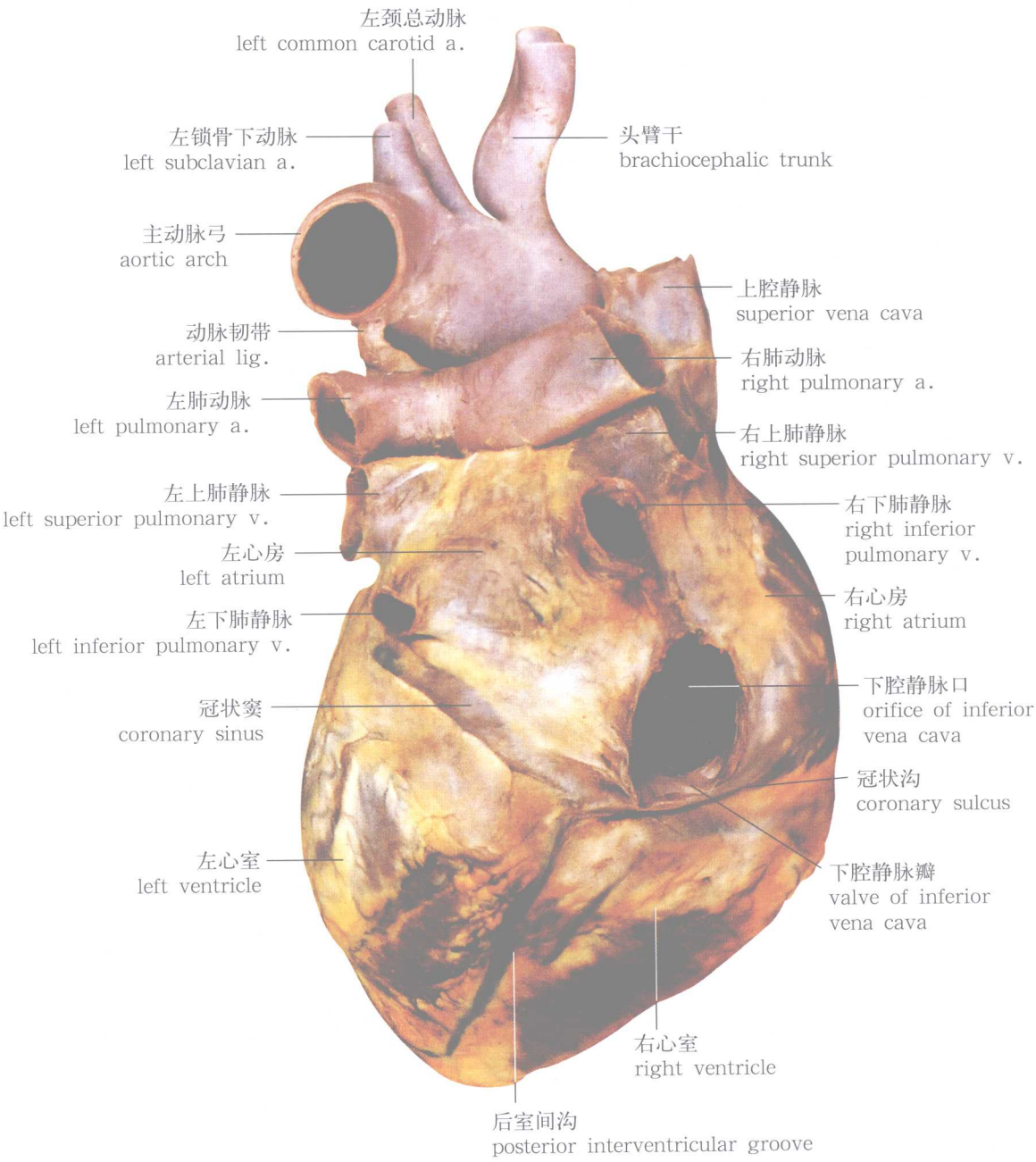


图 289　心脏的外形（后面观）

External features of the heart (posterior aspect)

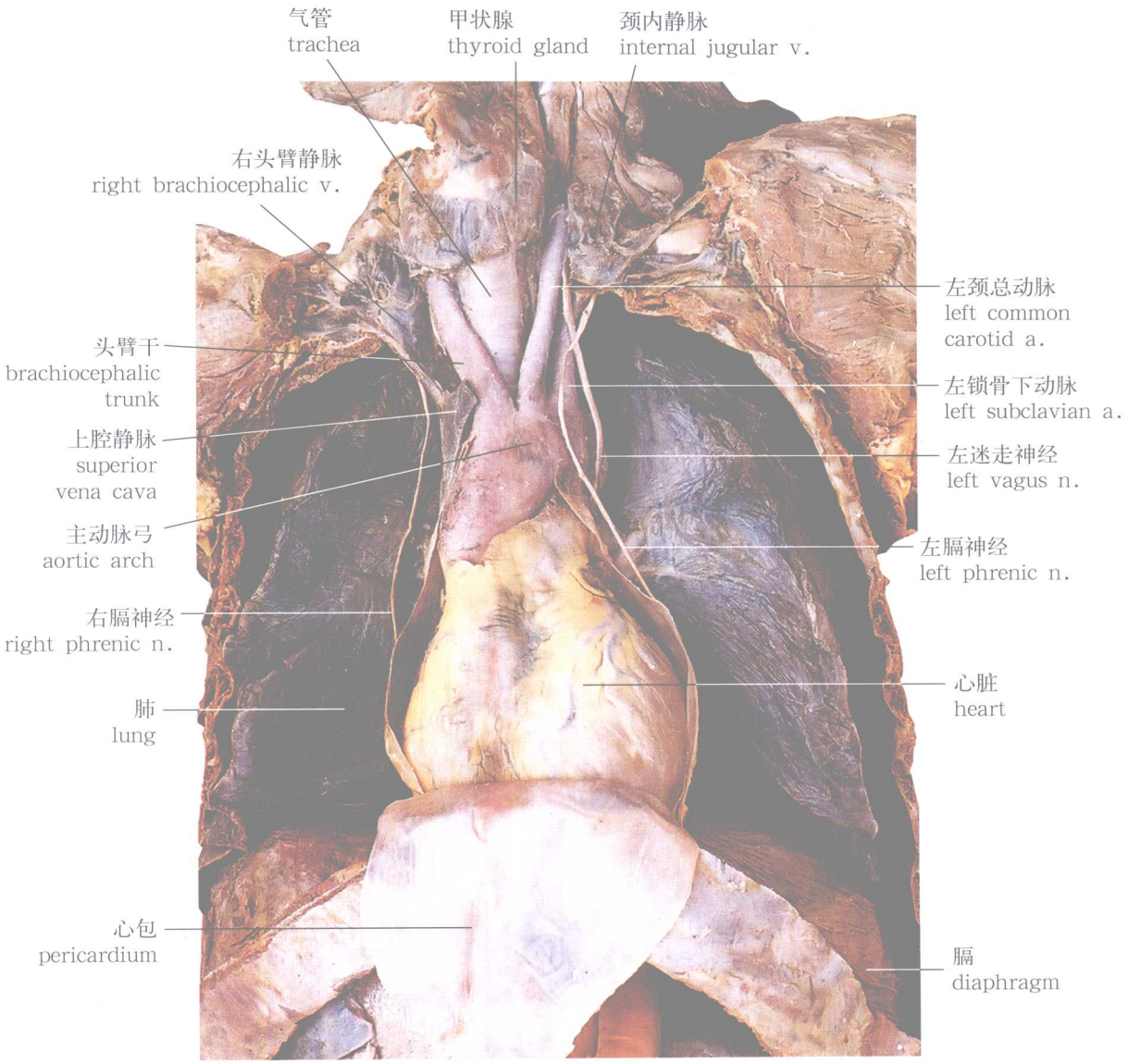


图 290 心脏的位置

Position of the heart

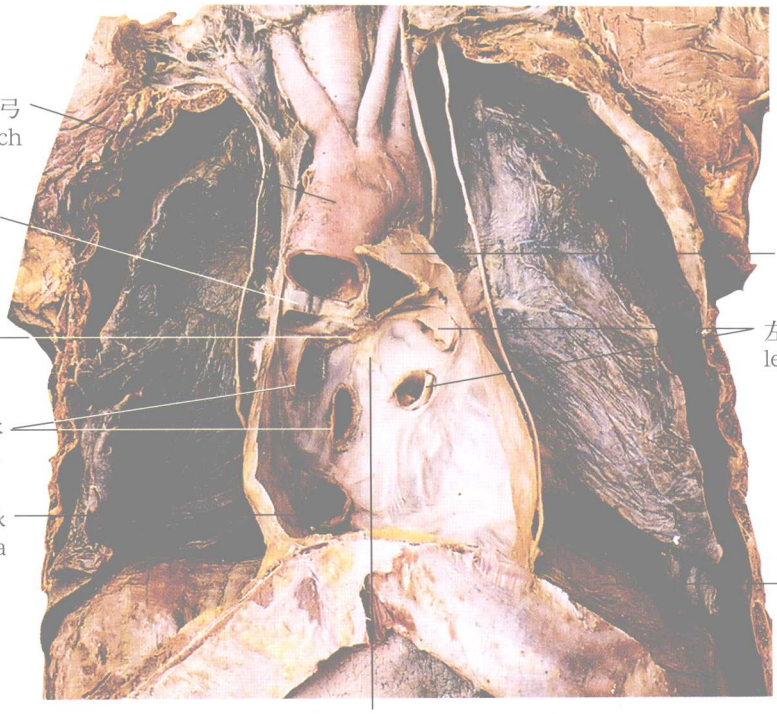


图 291　心包（心脏已切除）

The pericardium (heart removed)

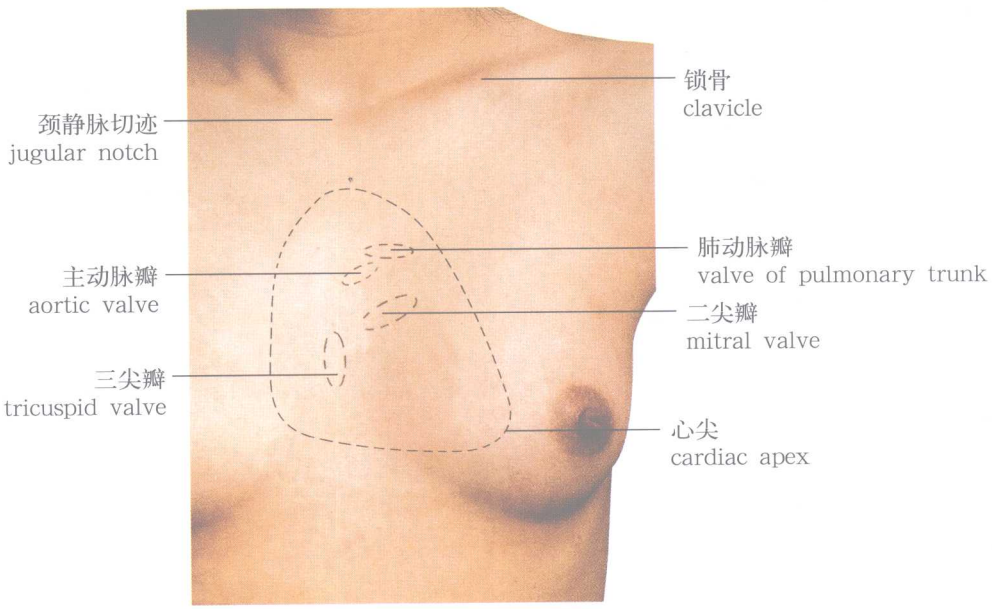


图 292　心脏的体表标志

Surface markings of the heart

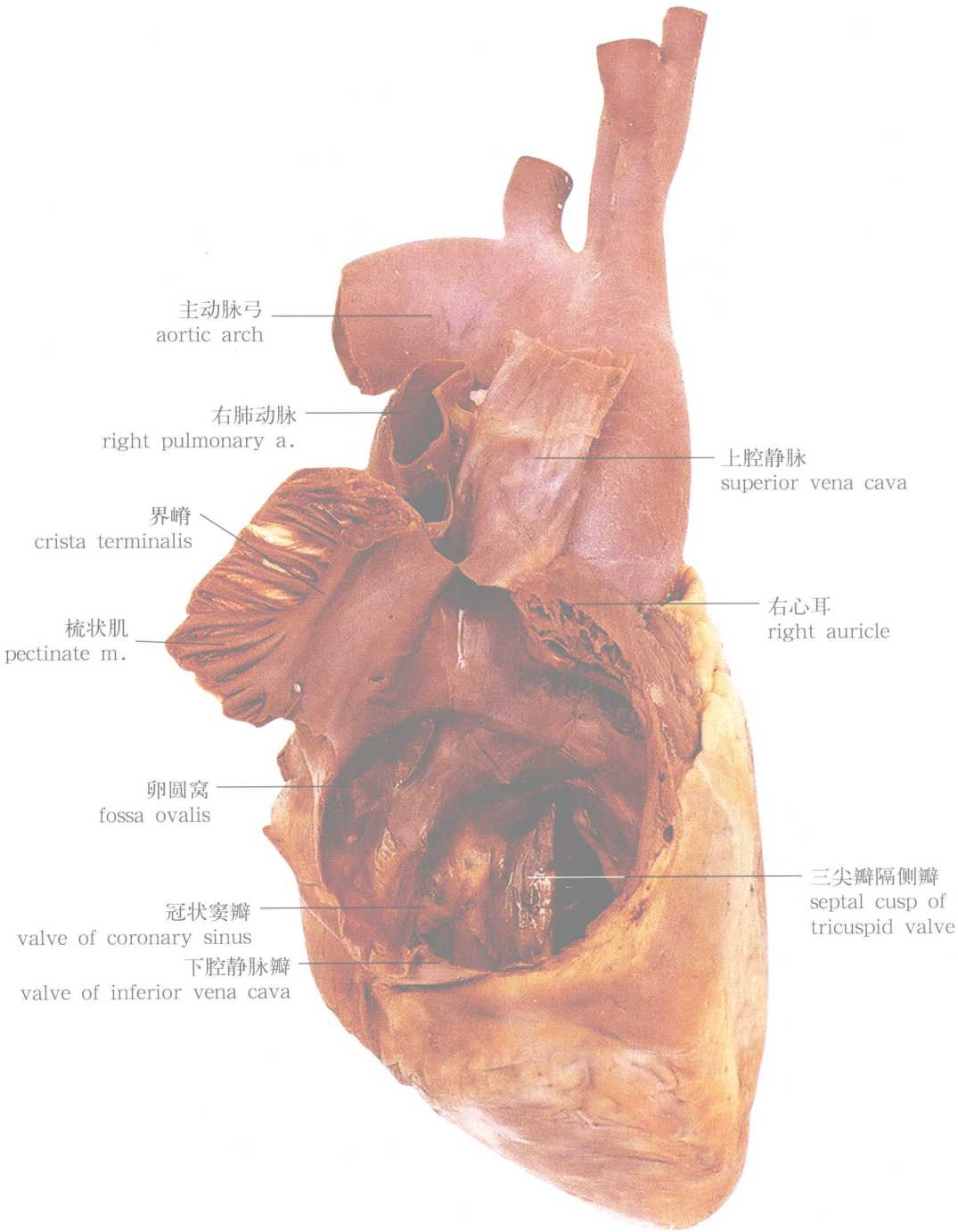


图 293　右心房（内面观）

The right atrium (internal aspect)

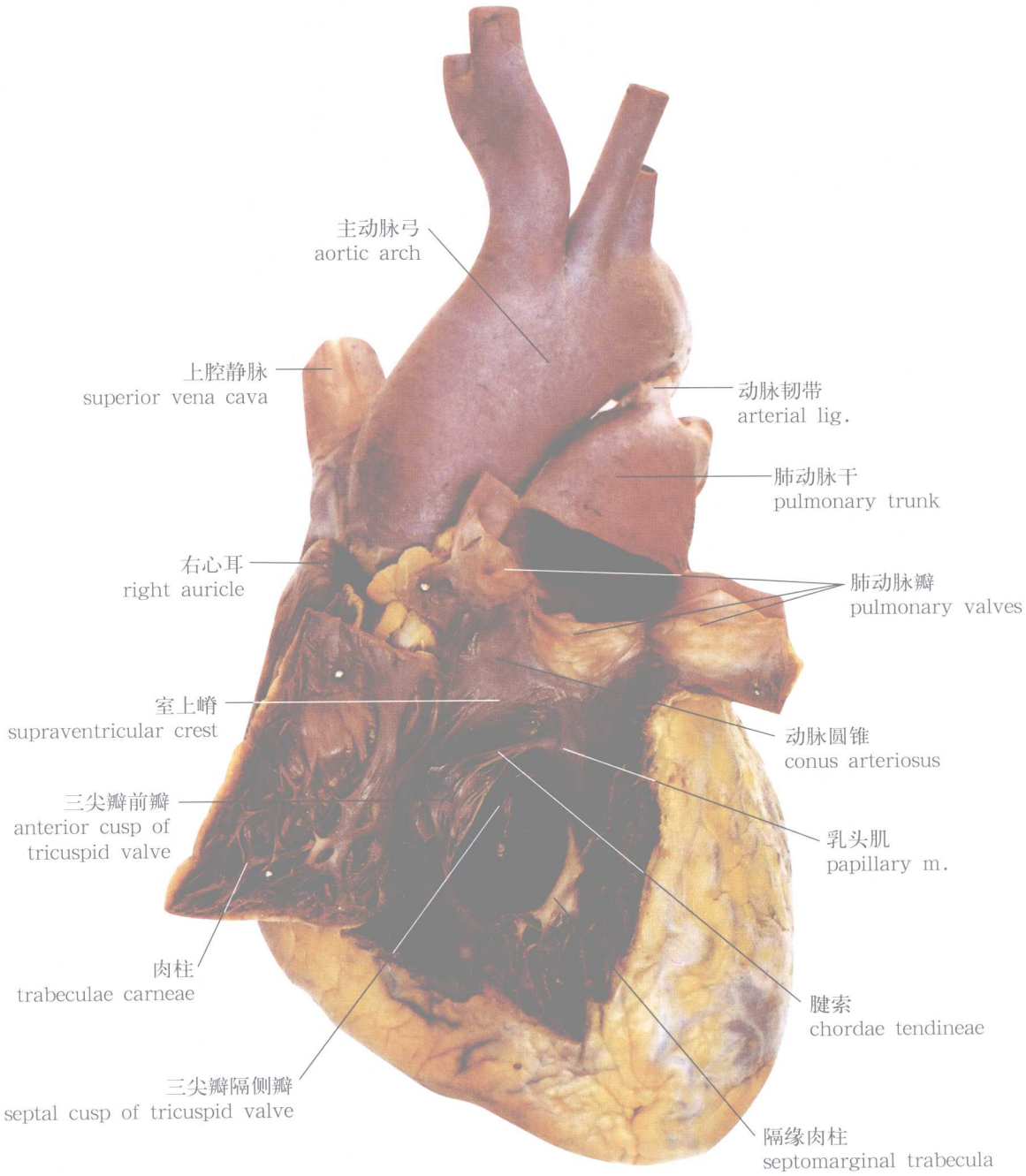


图 294　右心室（内面观）

The right ventricle (internal aspect)

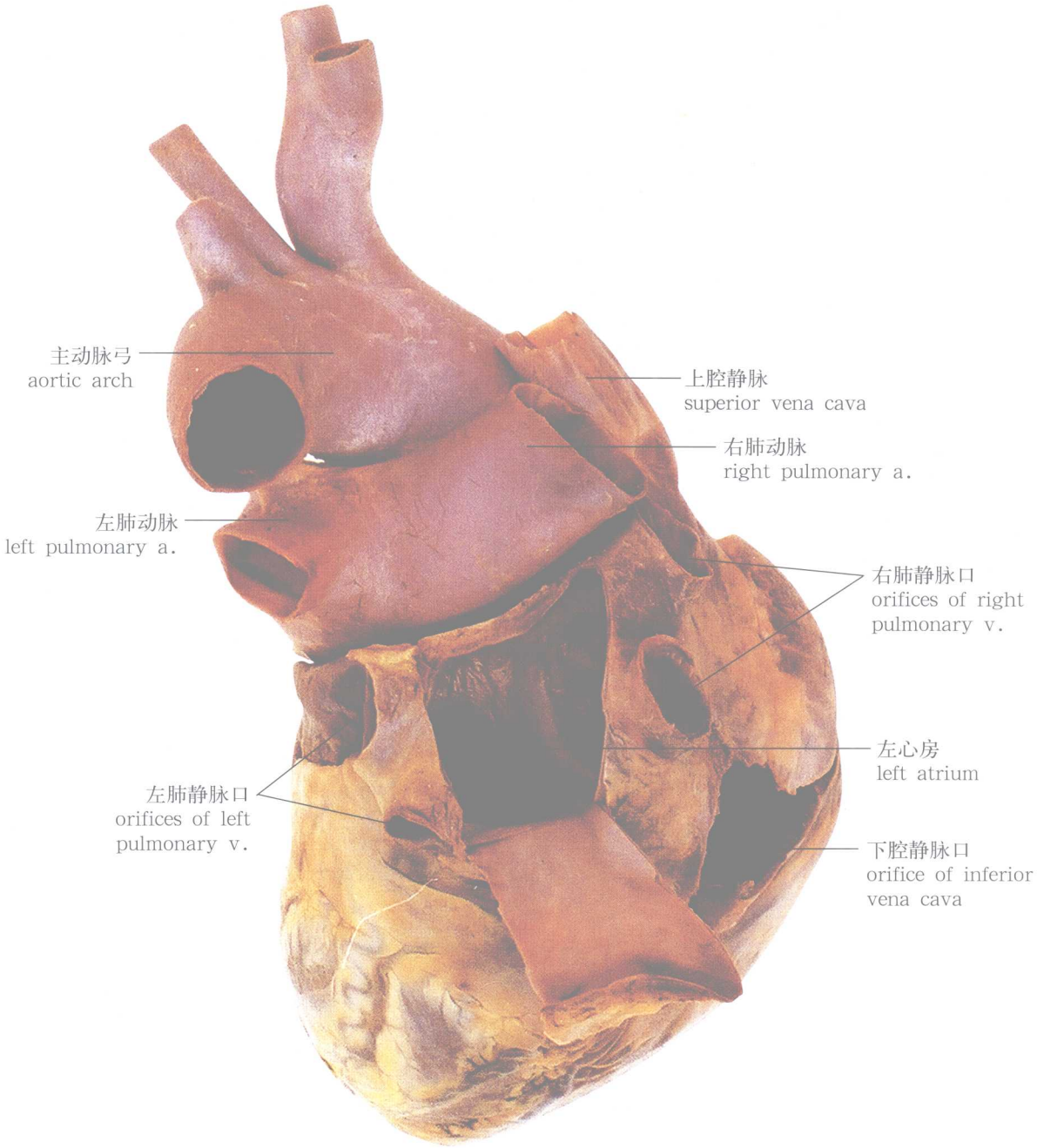


图 295　左心房（内面观）

The left atrium (internal aspect)

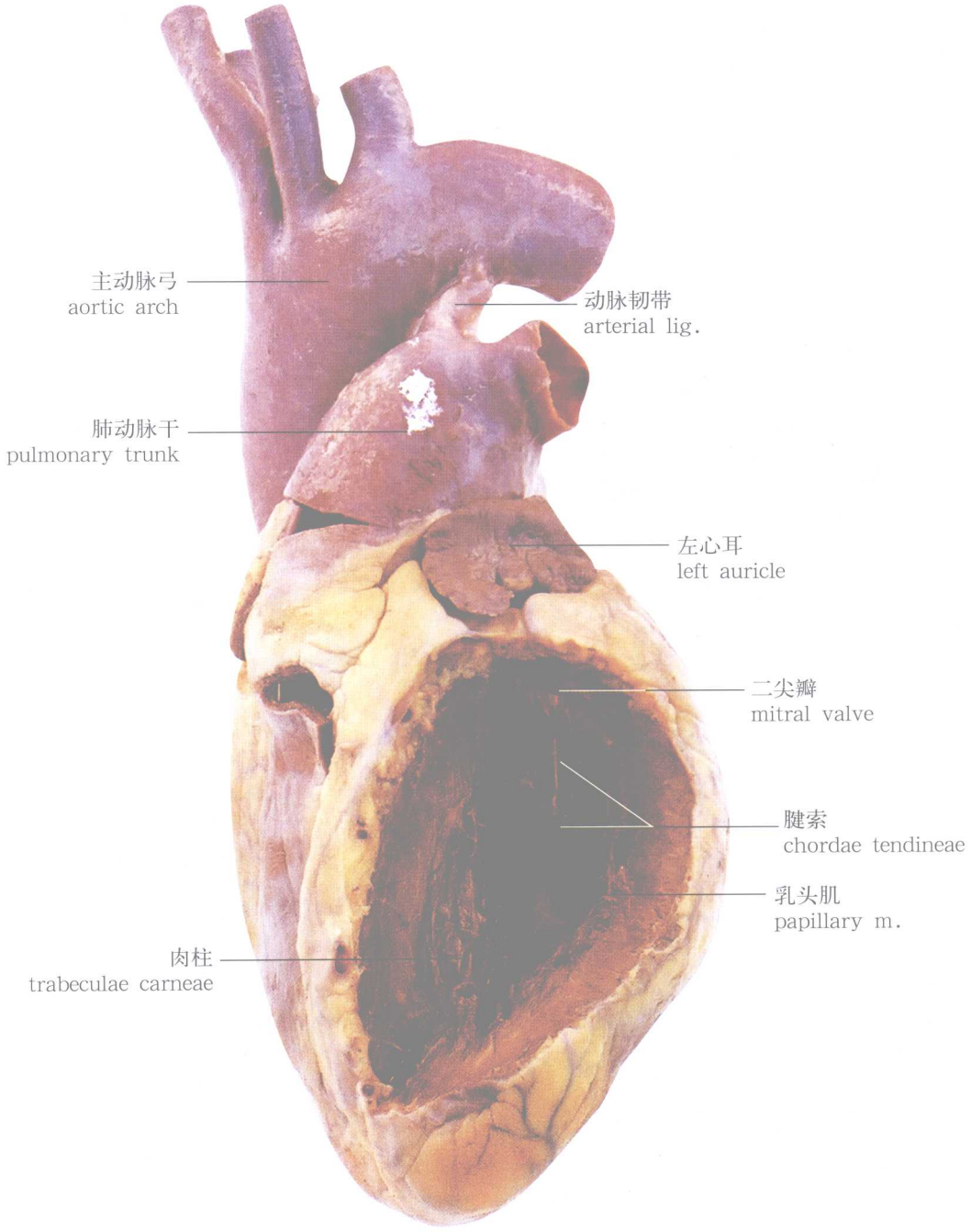


图 296　左心室（内面观）

The left ventricle (internal aspect)

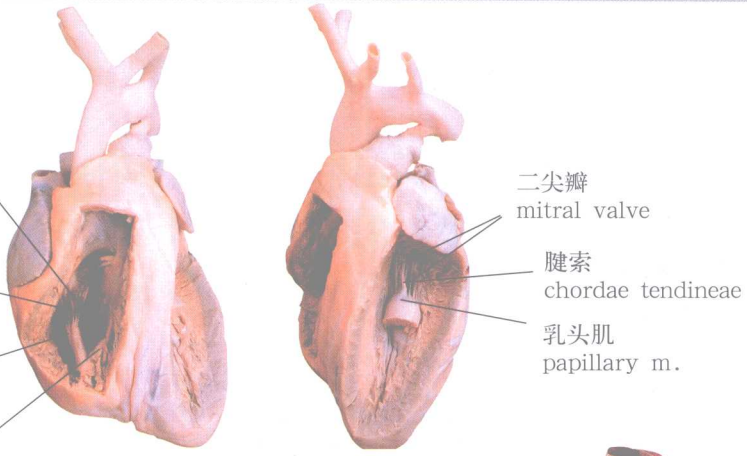


图 297 左右心室心肌
The muscles of the left and right ventricles

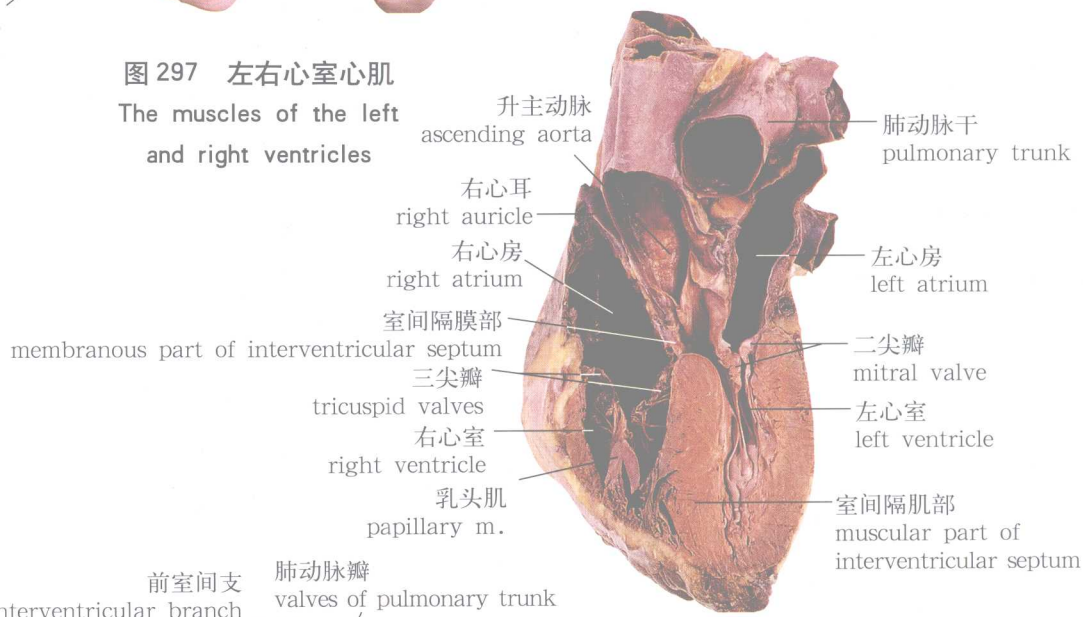


图 298 心脏内腔
The internal cavities of the heart

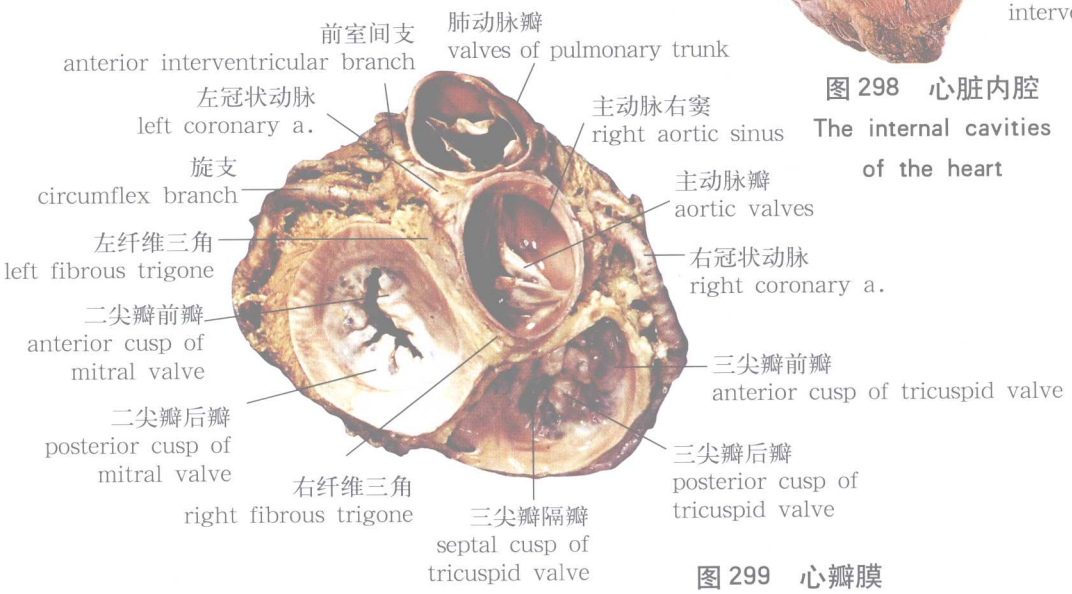


图 299 心瓣膜
The valves of the heart

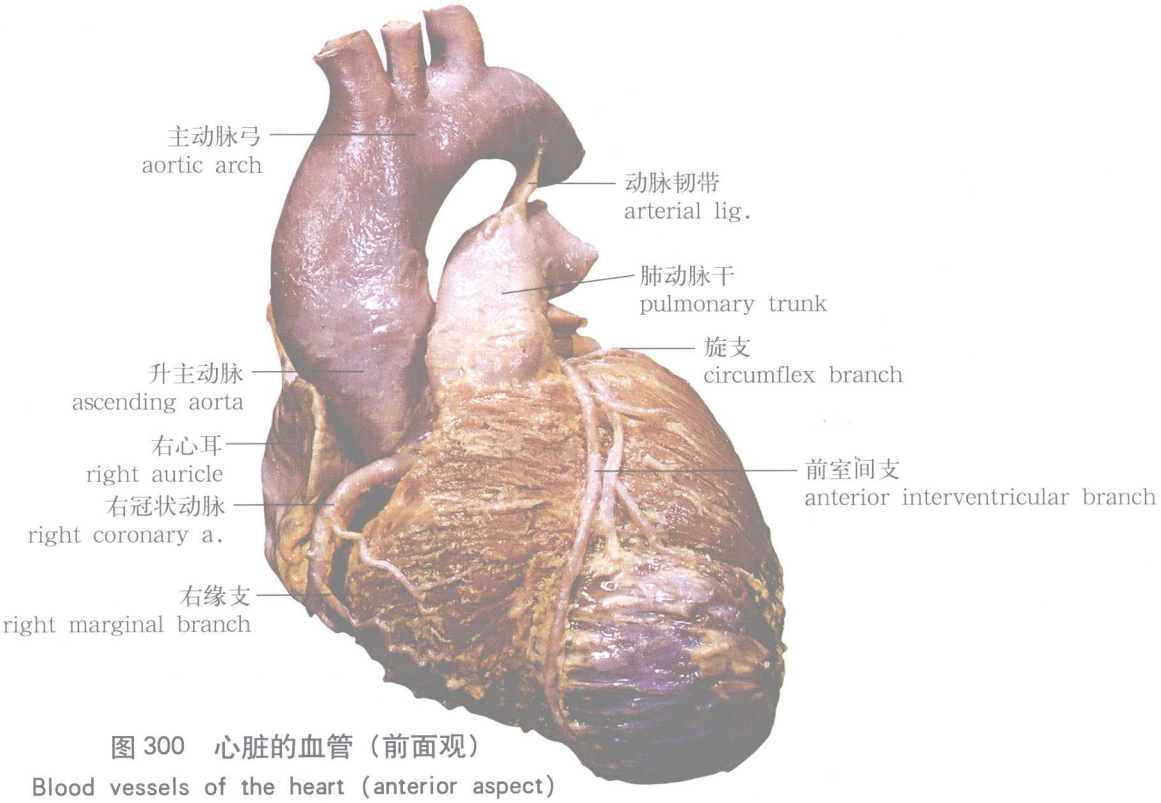


图 300 心脏的血管（前面观）

Blood vessels of the heart (anterior aspect)

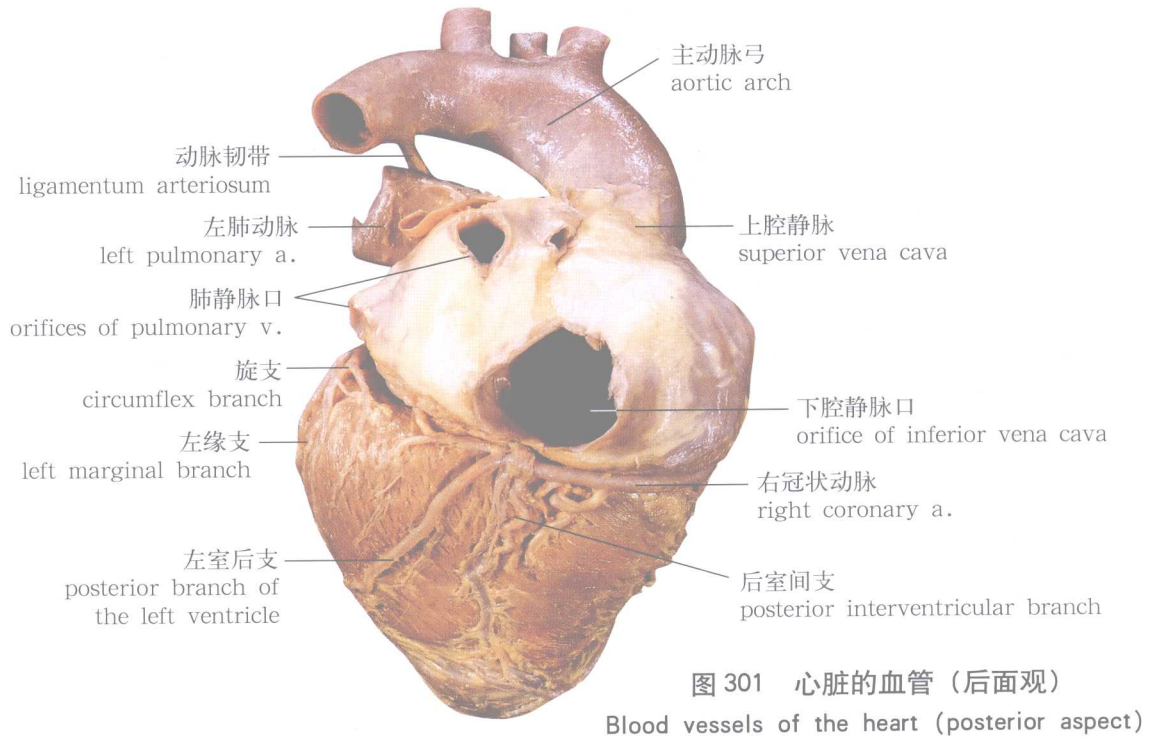


图 301 心脏的血管（后面观）

Blood vessels of the heart (posterior aspect)

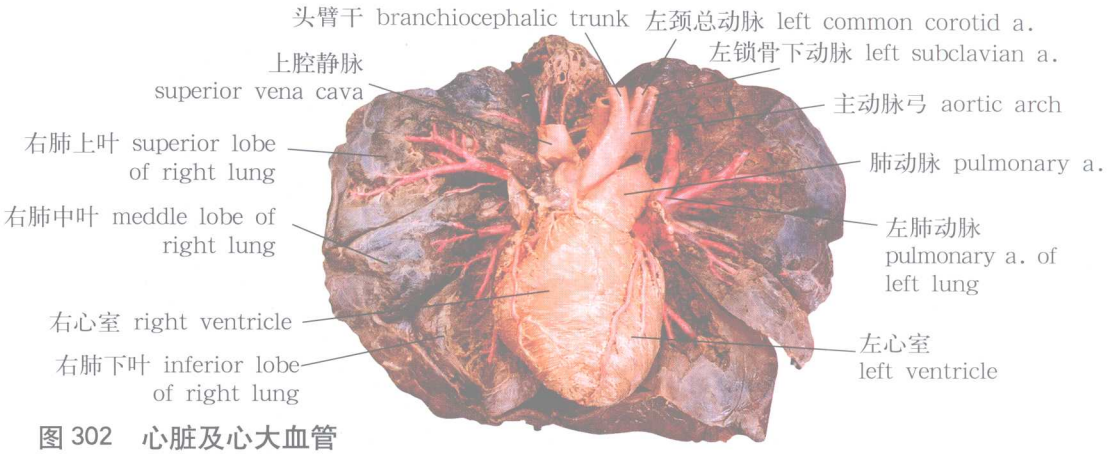


图 302 心脏及心大血管

The heart and the large blood vessels of the heart

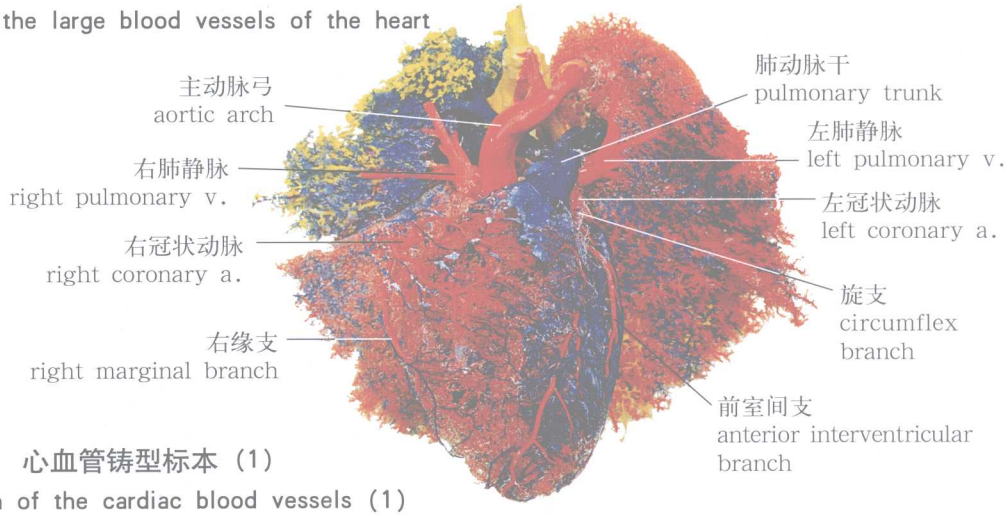


图 303 心血管铸型标本（1）

The cast specimen of the cardiac blood vessels (1)

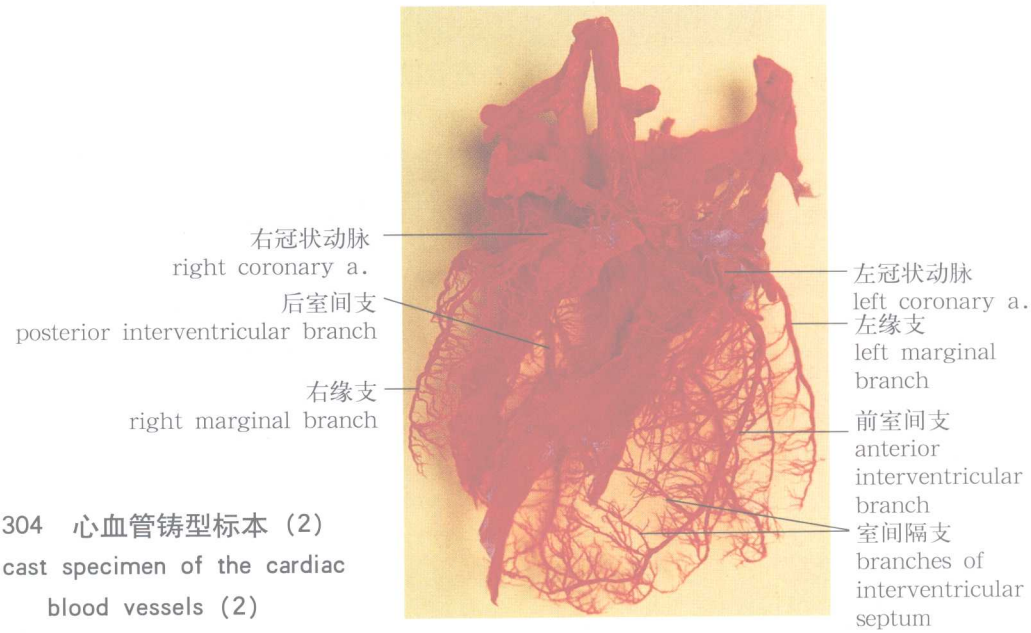


图 304 心血管铸型标本（2）

The cast specimen of the cardiac blood vessels (2)

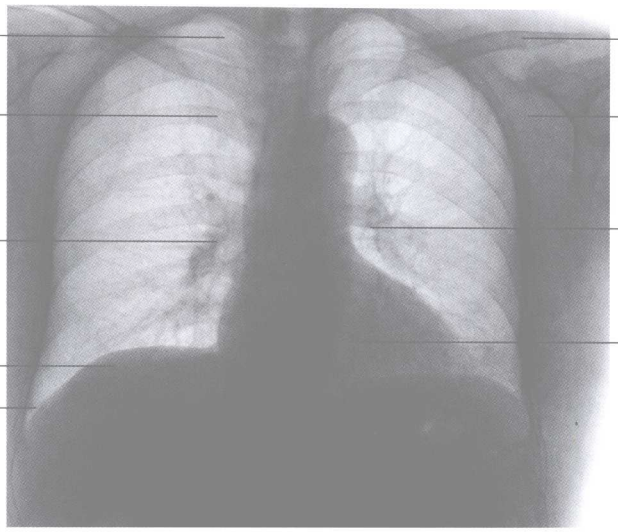


图 305 心肺 MRI

MRI of the heart and lung



图 306 左冠状动脉造影

The left coronary angiography



图 307 右冠状动脉造影

The right coronary angiography

第9章

淋巴系统

LYMPHATIC SYSTEM

淋巴干

淋巴系统九大干，三三见九极好算，
左右腰干加肠干，支纵锁下加颈干。

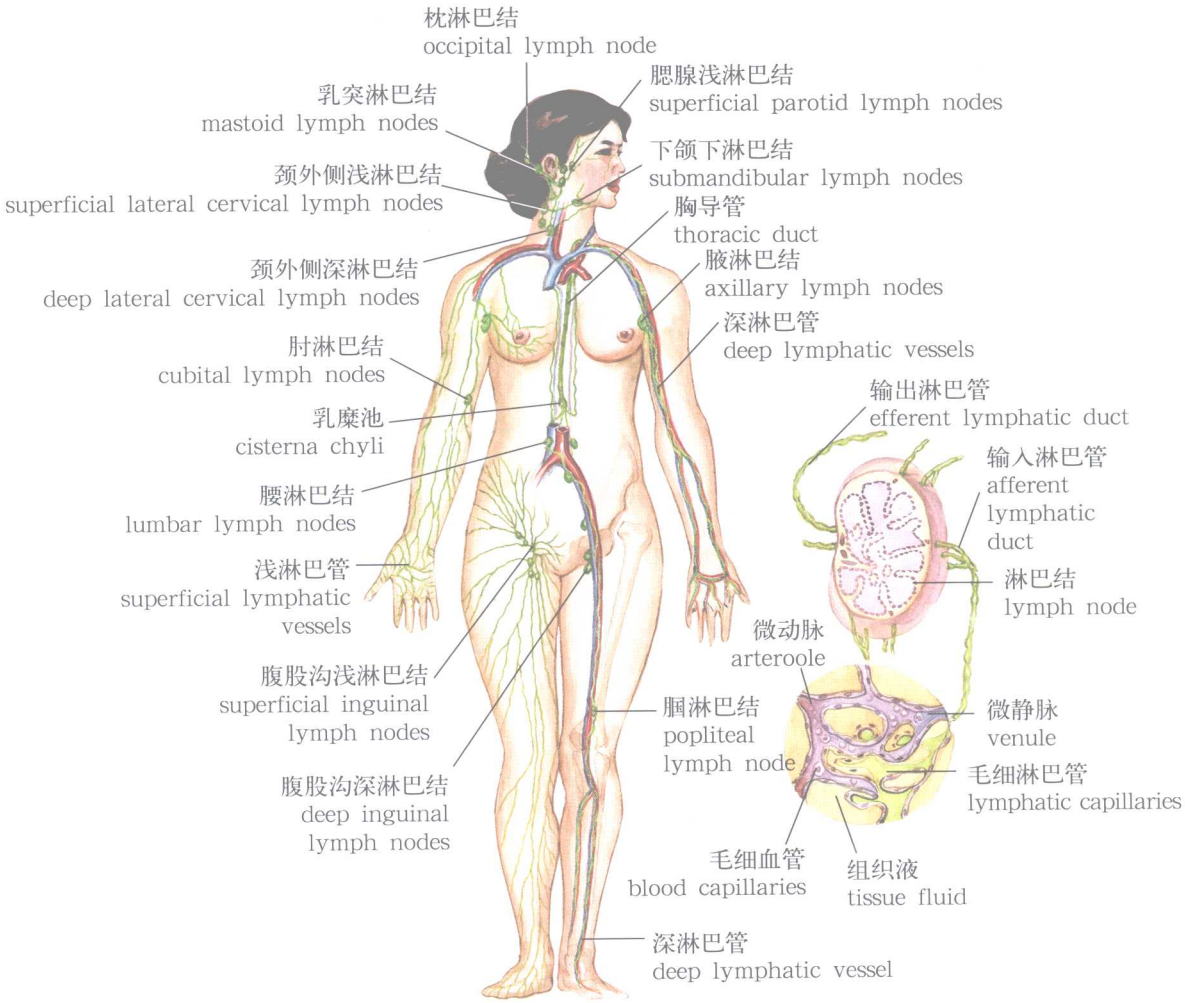
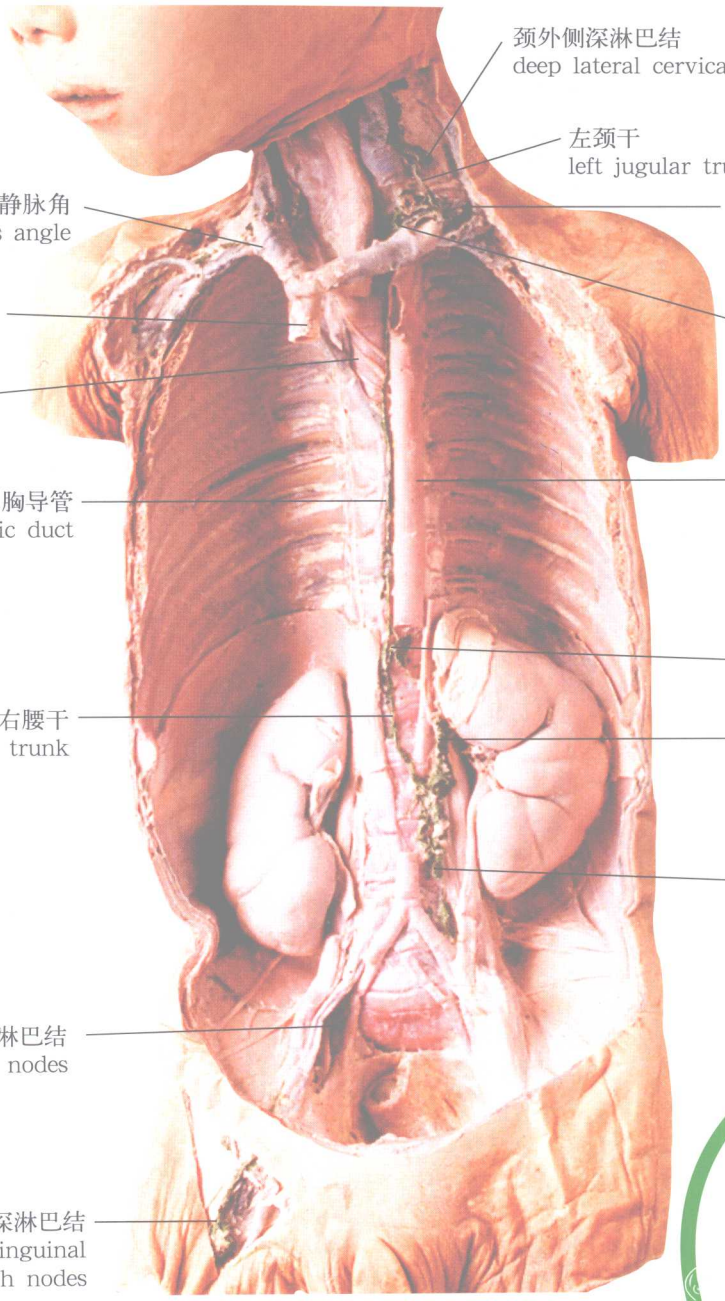


图 308　淋巴系统模式图

Diagram of the lymphatic system



胸导管

胸导管为重点，
乳糜池起自腰一前，
上穿腹主动脉裂孔，
行于胸椎奇静间，
最后注入左静角，
接收全身六大干。

图 309　胸导管及淋巴干

The thoracic ducts and lymph trunks

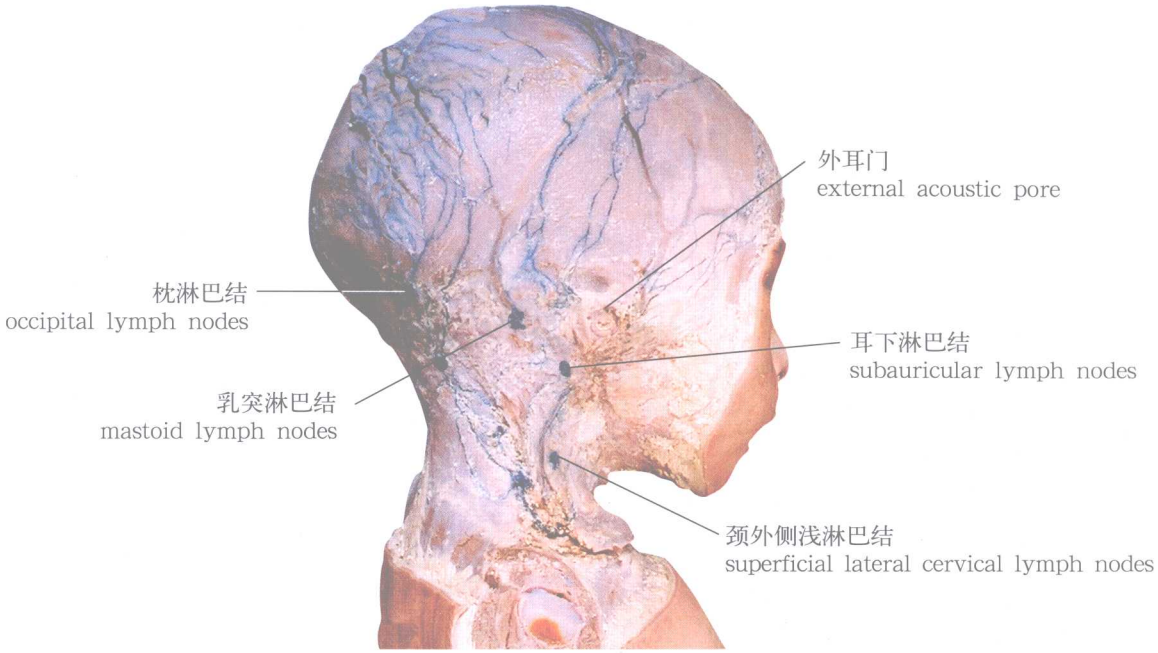


图 310　头颈部浅淋巴管及淋巴结

Superficial lymphatic vessels and lymph nodes of the head and neck

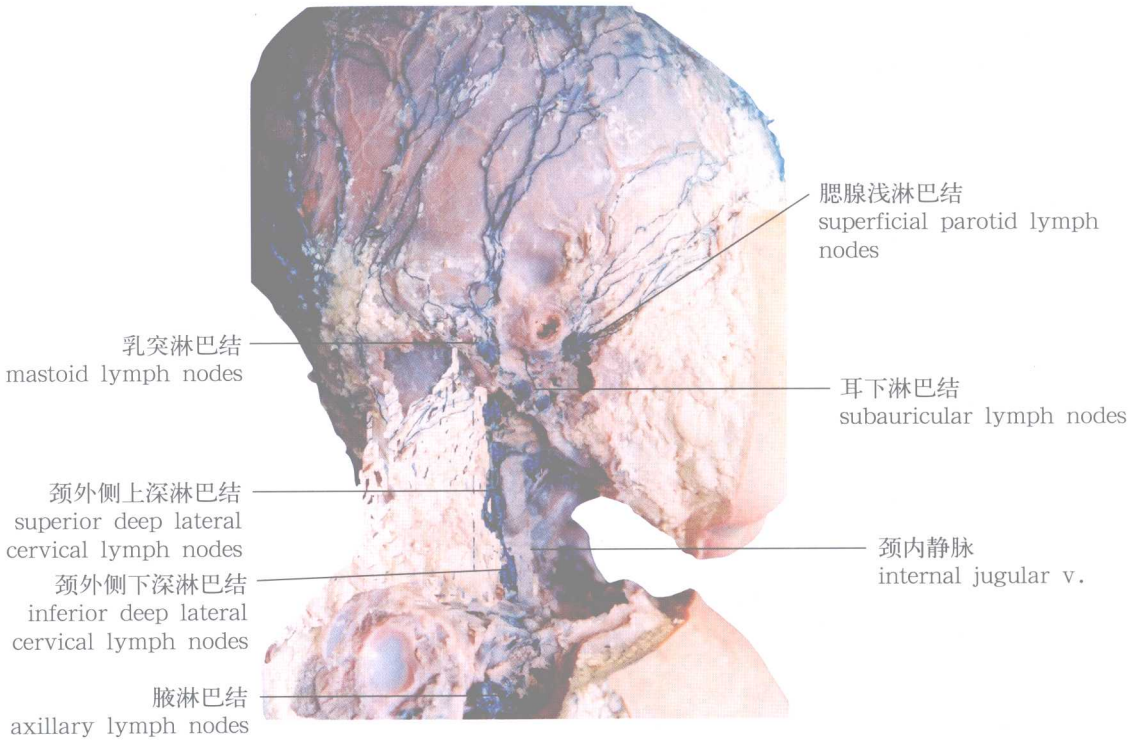


图 311　头颈部深淋巴管及淋巴结

Deep lymphatic vessels and lymph nodes of the head and neck

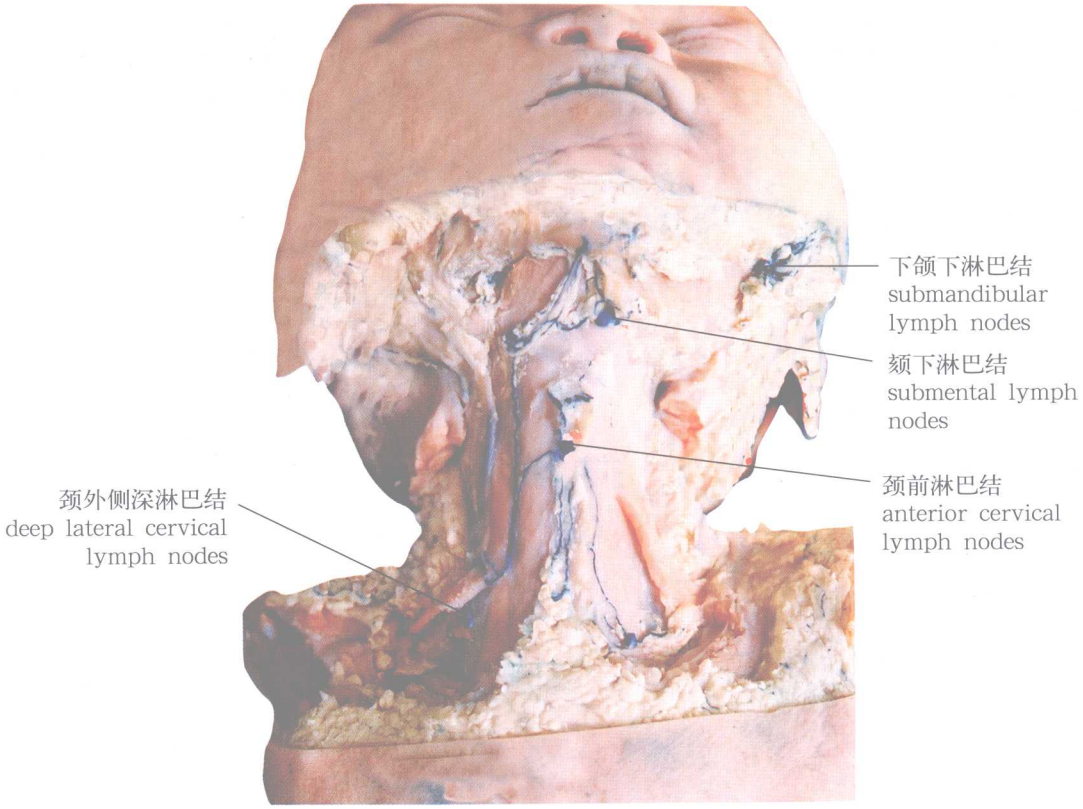


图 312　颈前部淋巴管及淋巴结

Lymphatic vessels and lymph nodes of the neck

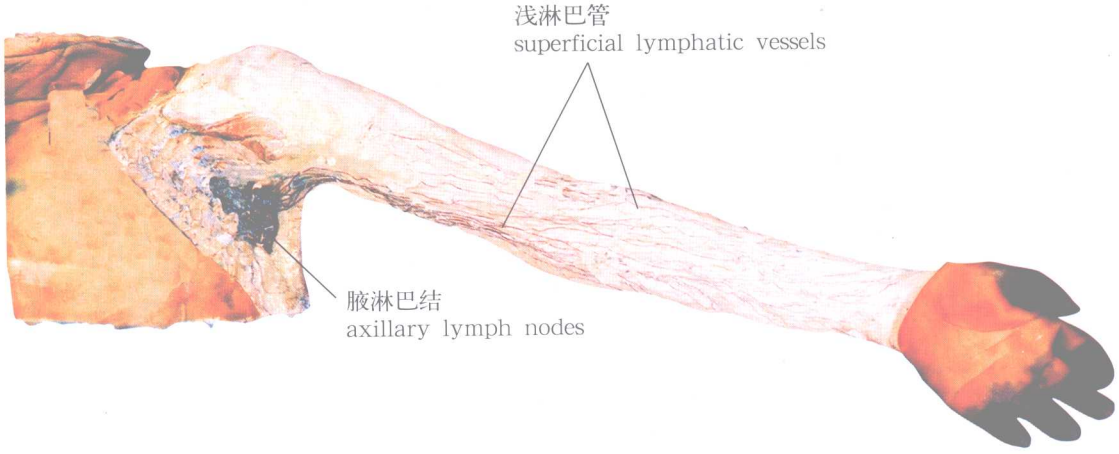


图 313　上肢淋巴管及淋巴结

Lymphatic vessels and lymph nodes of the upper limb

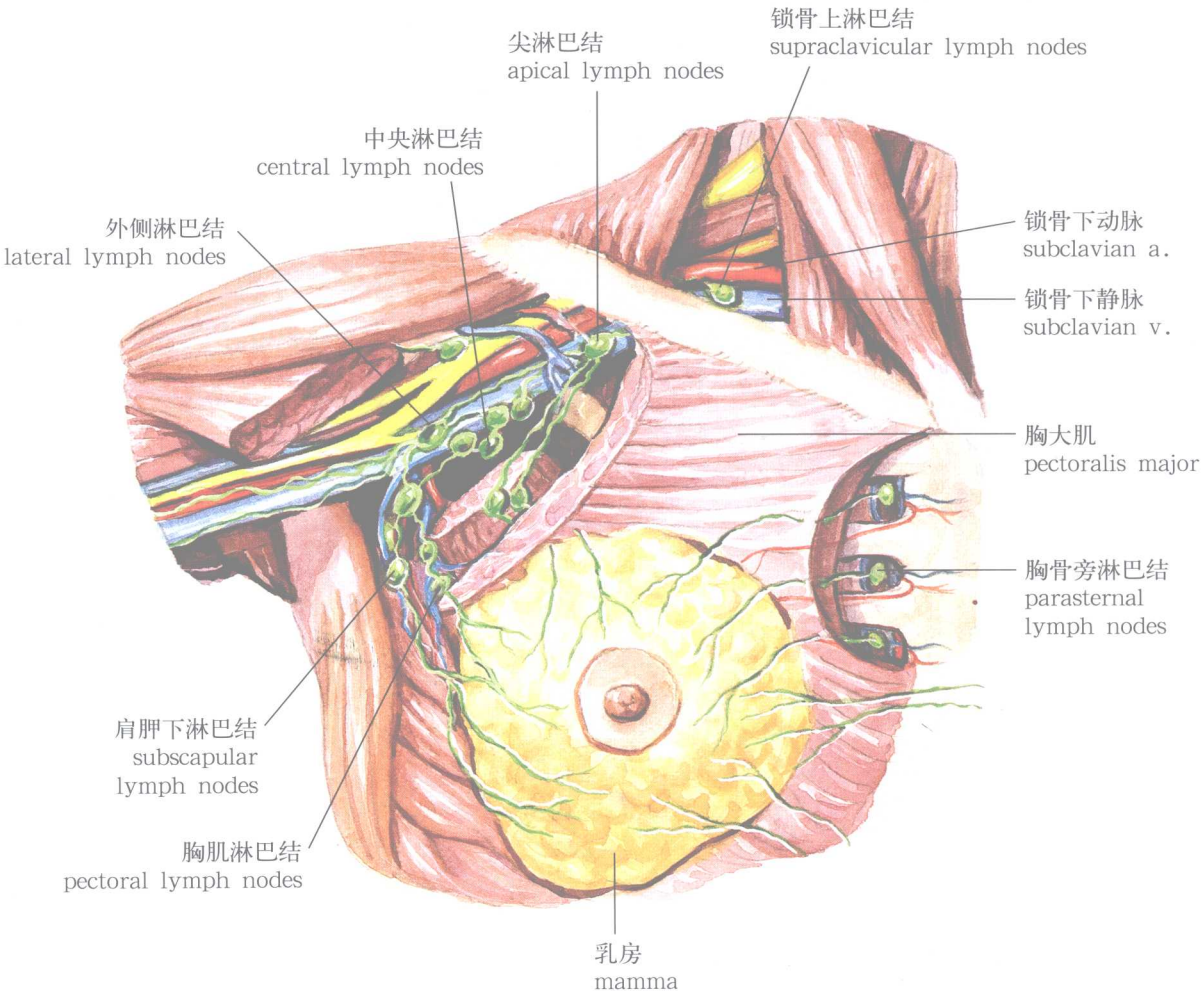


图 314　腋窝、乳房的淋巴管和淋巴结

Lymphatic vessels and lymph nodes of the axillary fossa and mamma

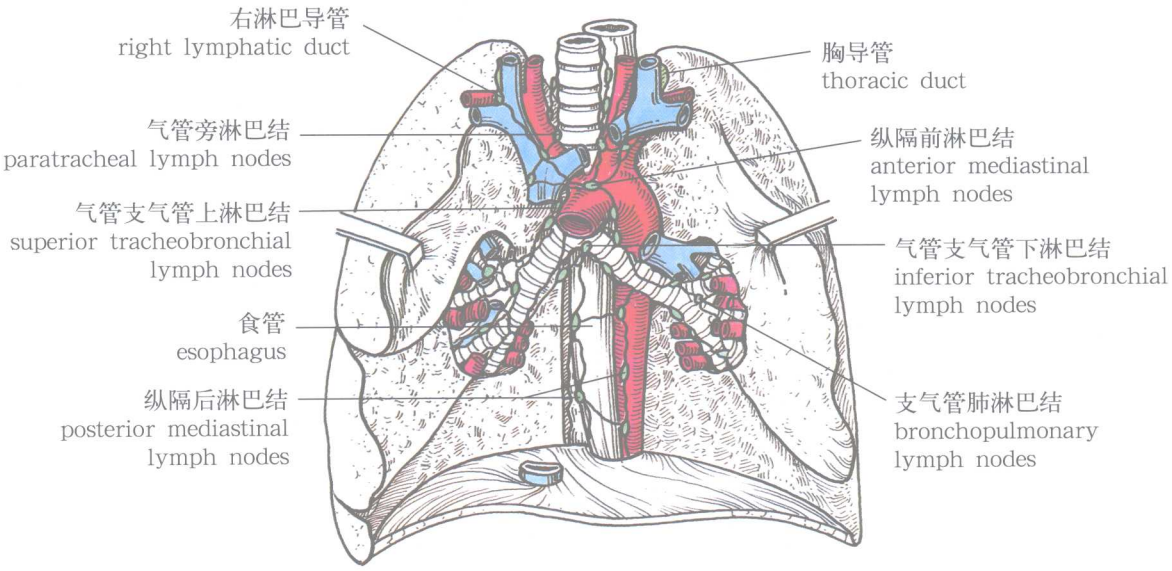


图 315　气管、支气管的淋巴管和淋巴结

Lymphatic vessels and lymph nodes of the trachea and bronchi

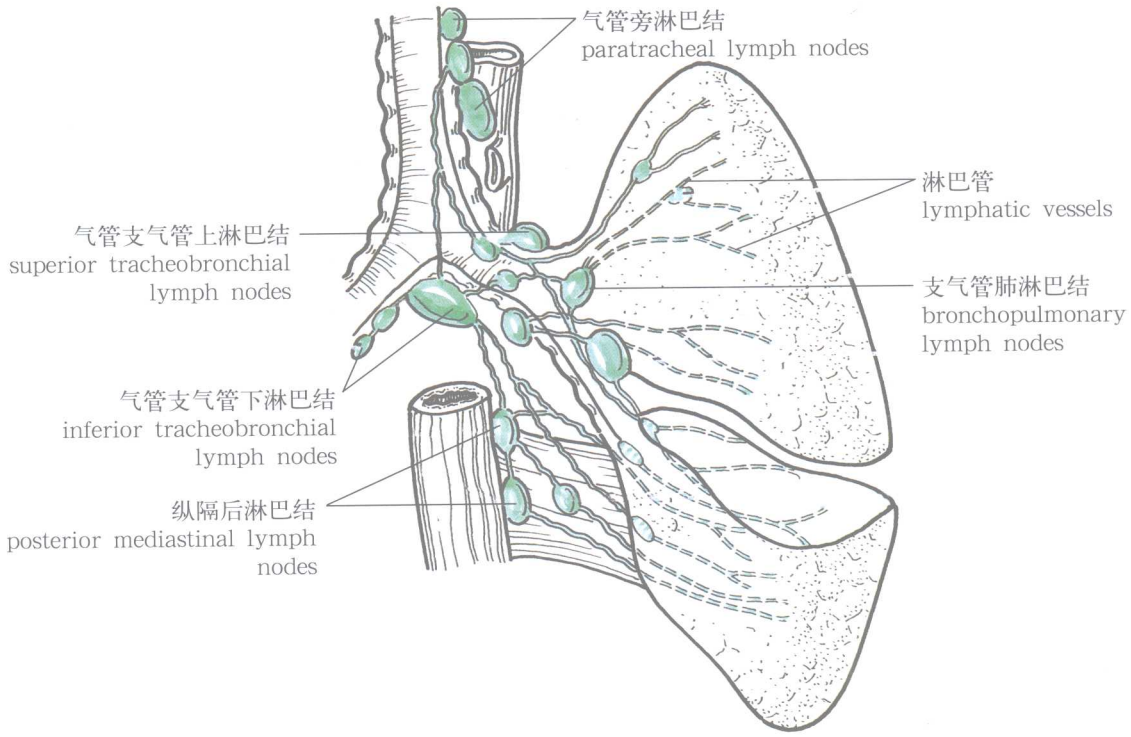


图 316　肺的淋巴引流

Lymph drainage of the lung

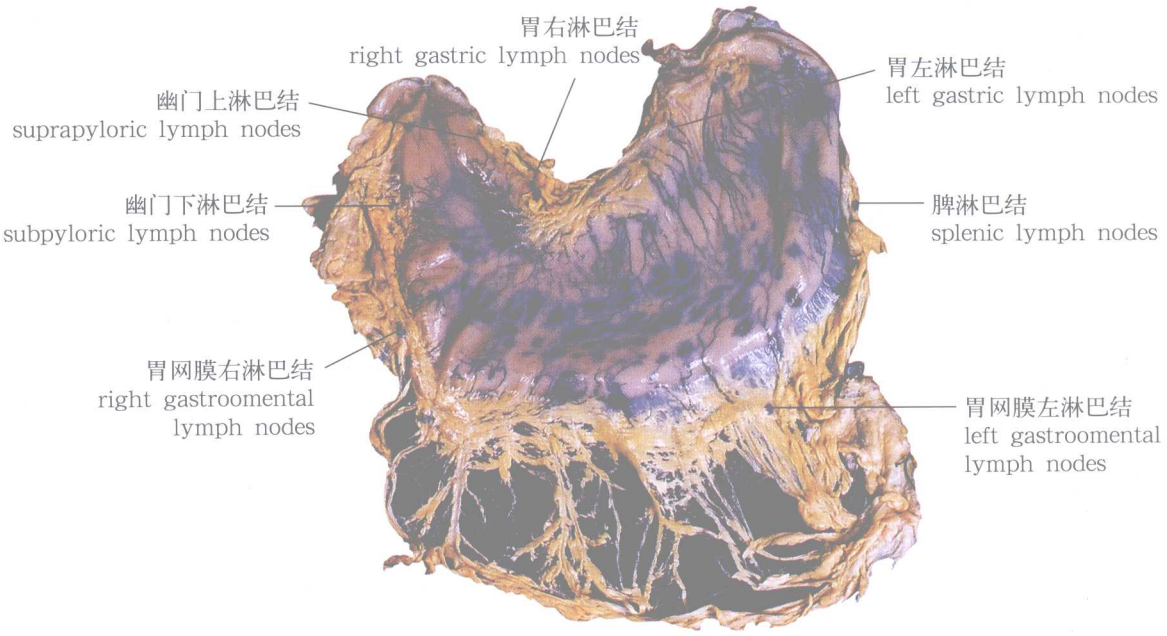


图 317　胃的淋巴管和淋巴结

Lymphatic vessels and lymph nodes of the stomach

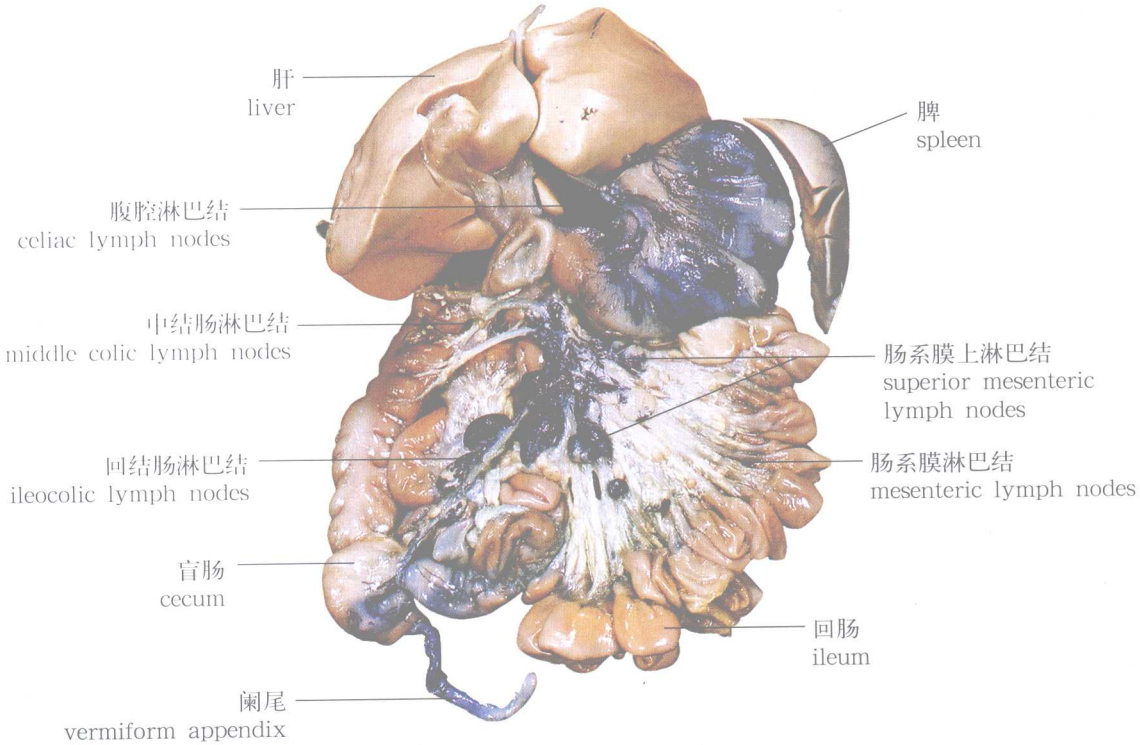


图 318　腹部器官淋巴结

Lymph nodes of the abdominal viscera

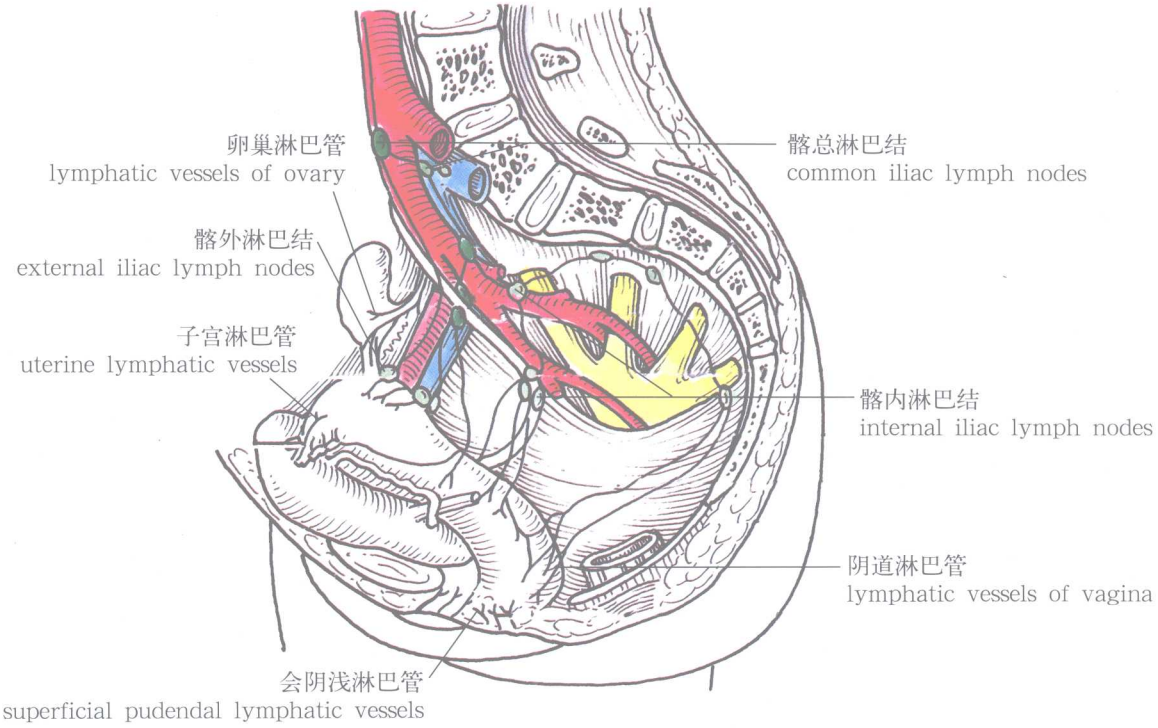


图 319　盆部淋巴管和淋巴结（女性）

Lymphatic vessels and lymph nodes of the pelvis (female)

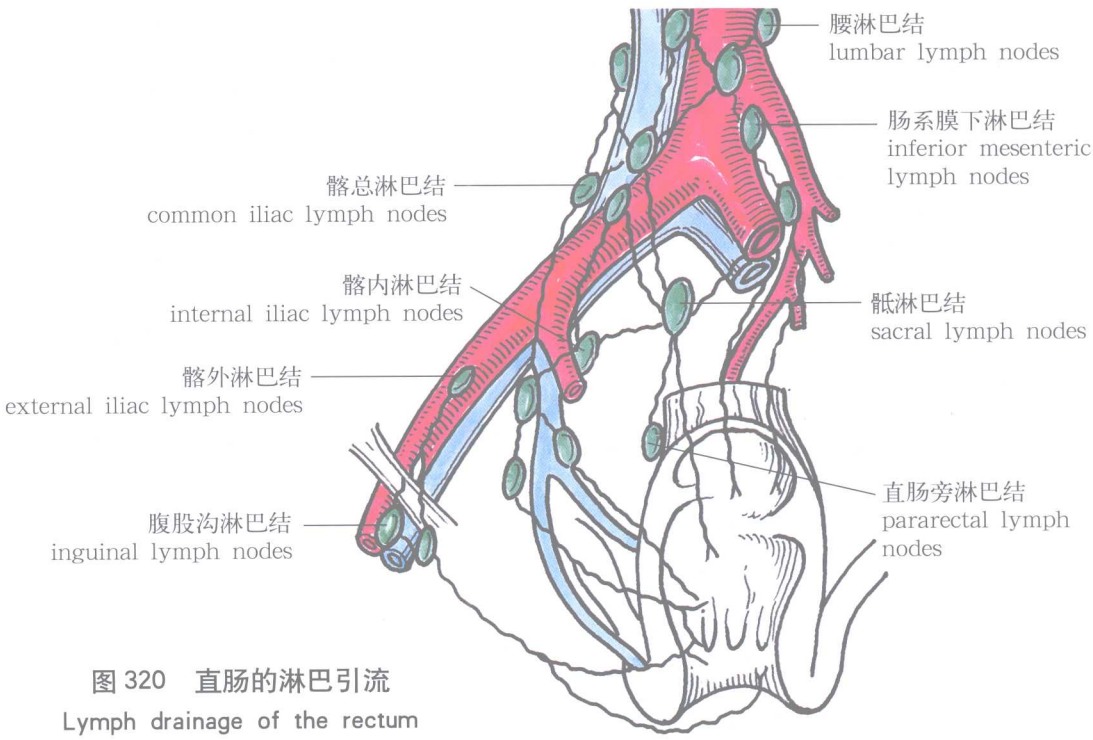


图 320　直肠的淋巴引流

Lymph drainage of the rectum

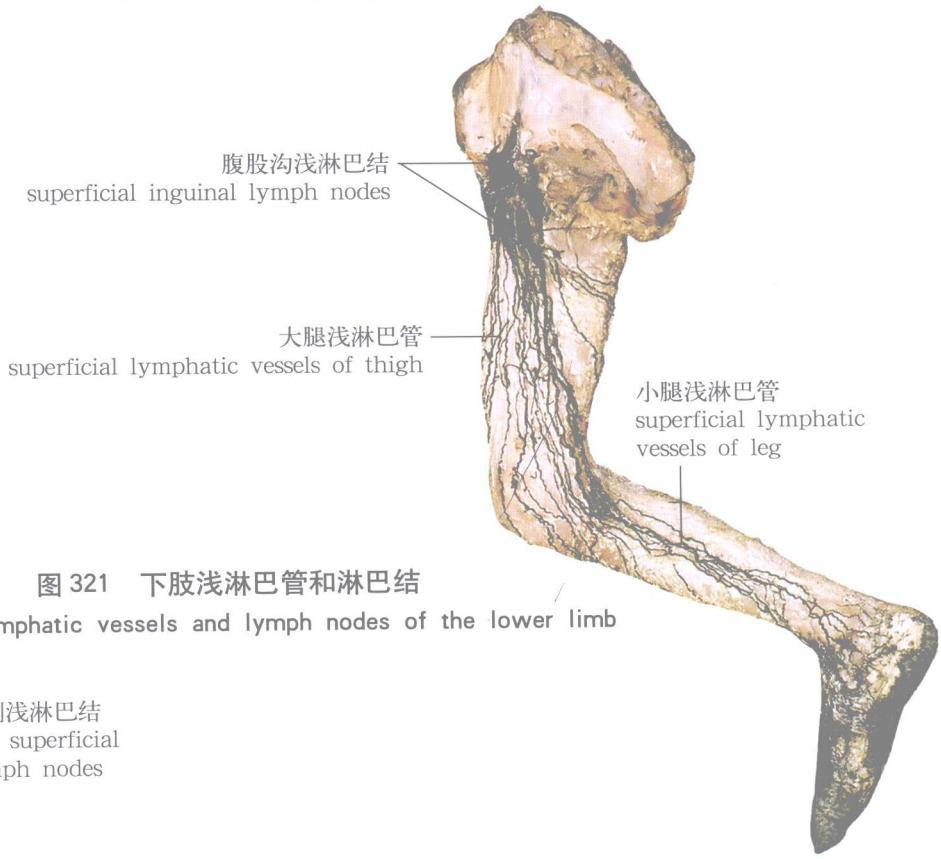


图 321　下肢浅淋巴管和淋巴结

Superficial lymphatic vessels and lymph nodes of the lower limb

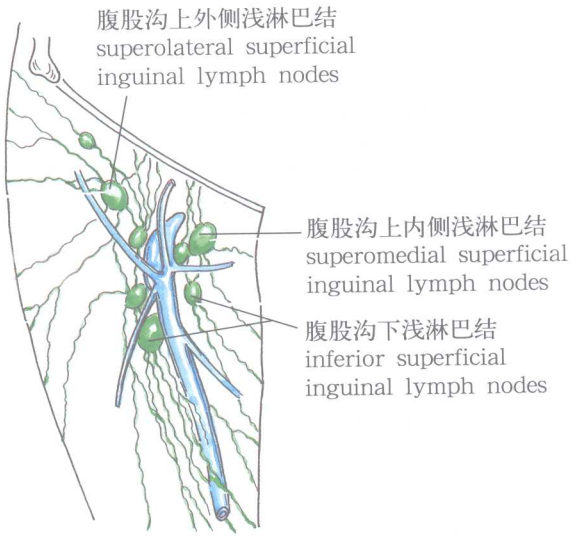


图 322　腹股沟浅淋巴结

The superficial inguinal lymph nodes

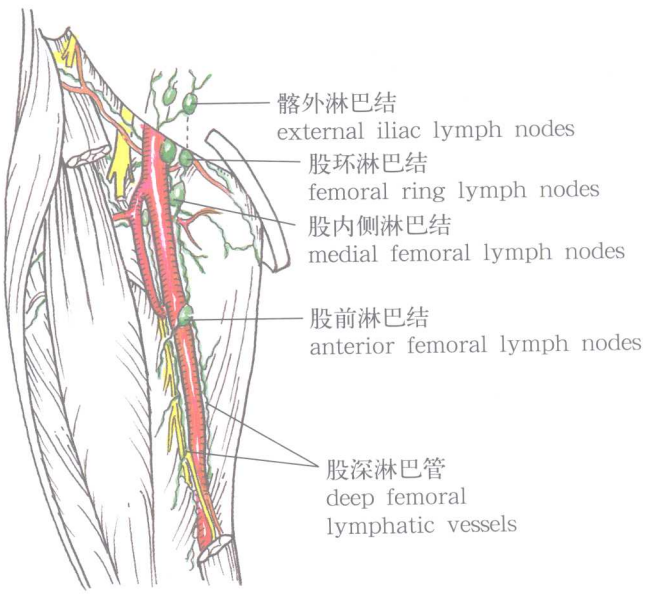


图 323　腹股沟深淋巴结

The deep inguinal lymph nodes

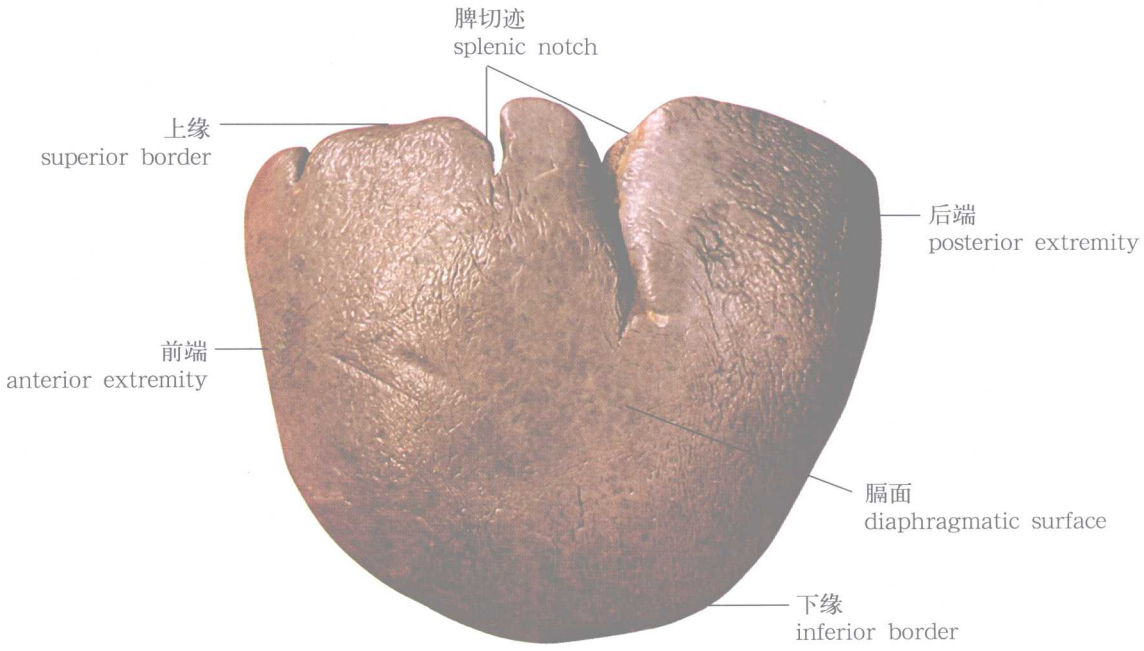


图 324 脾（膈面观）

The spleen (diaphragmatic aspect)

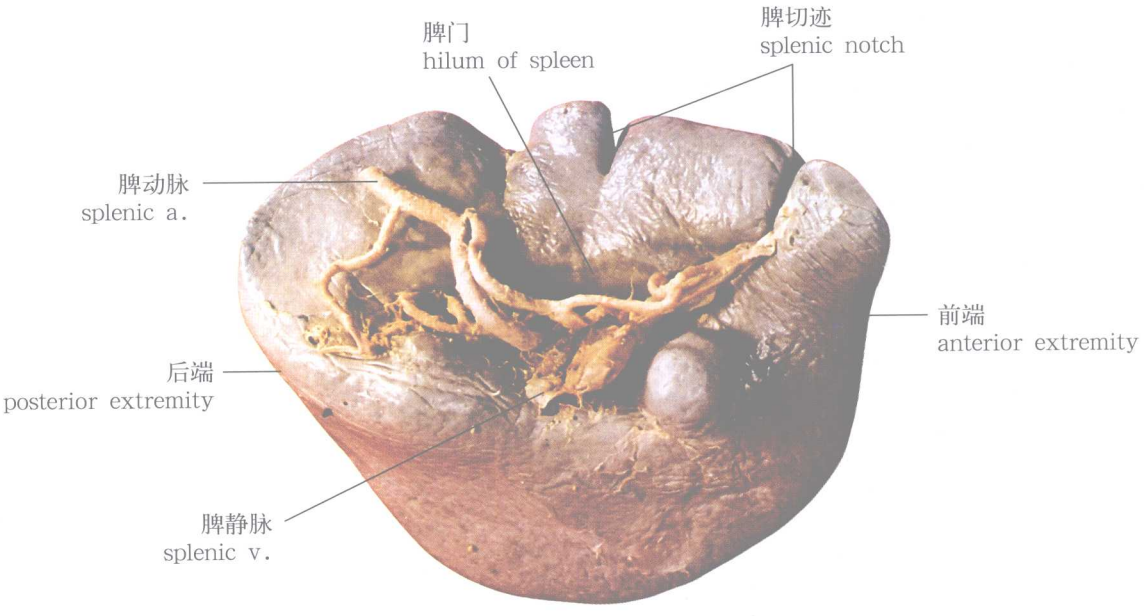


图 325 脾（脏面观）

The spleen (visceral aspect)

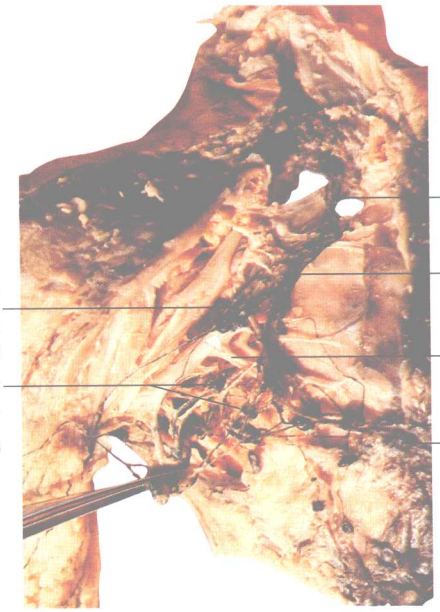


图 326　腋窝的淋巴结

The lymph nodes of the axillary fossa



图 327　人下肢淋巴管瓣膜呈“竹节”样结构

The lymphatic valves of human legs is like “bamboo joint”

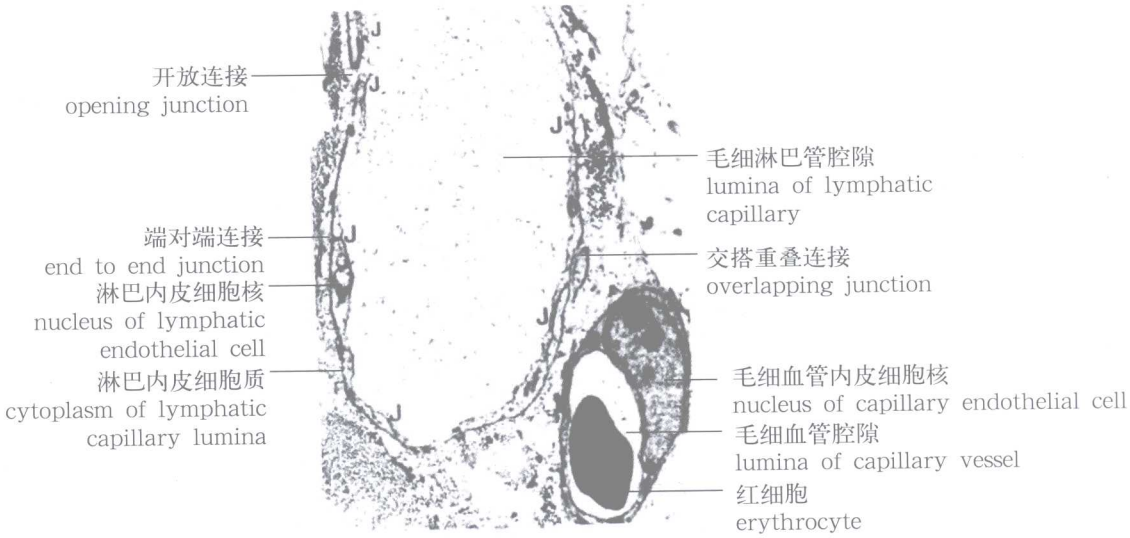


图 328　毛细淋巴管与毛细血管电镜图像

TEM image of lymphatic capillary and capillary vessel

第10章

视器与位听器

VISUAL ORGAN AND VESTIBULOCOCHLEAR ORGAN

Chapter 10

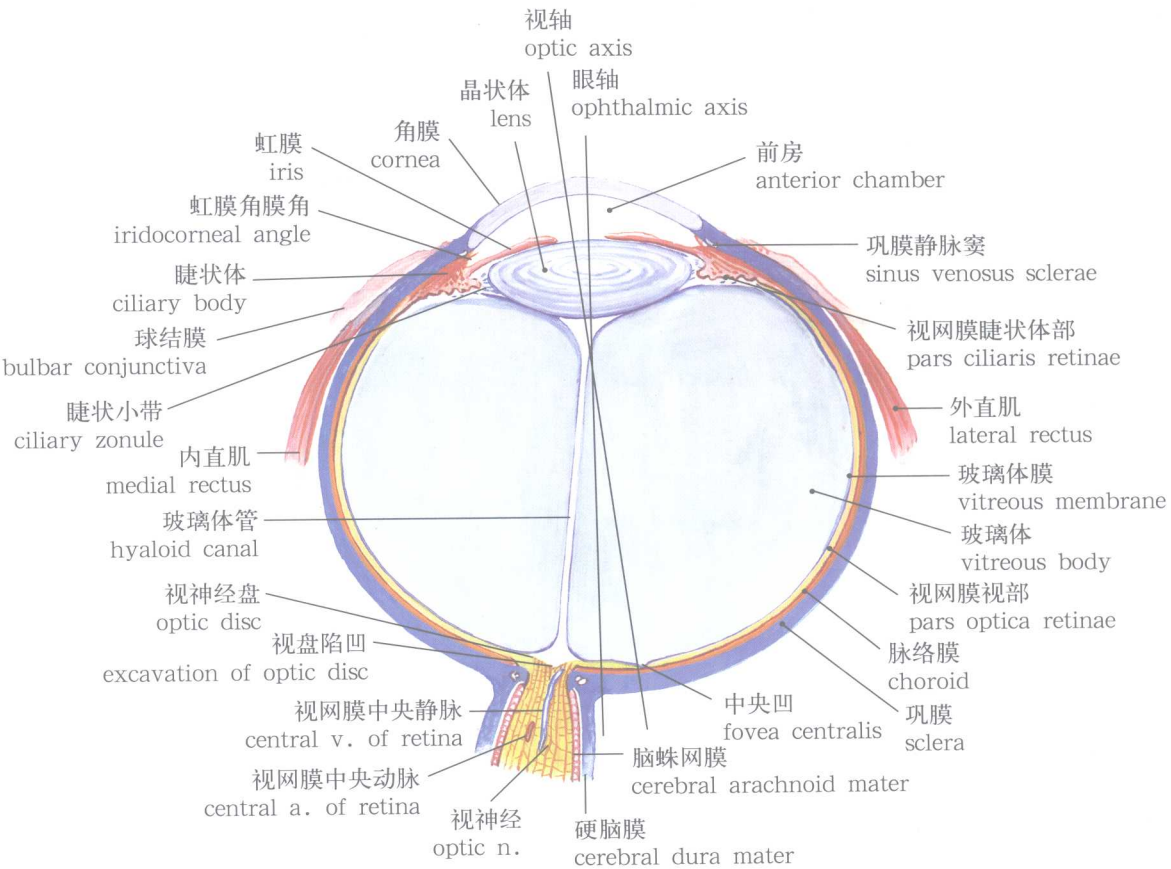


图 329　右侧眼球模式图（水平断面）

Diagram of the right eyeball (horizontal section)

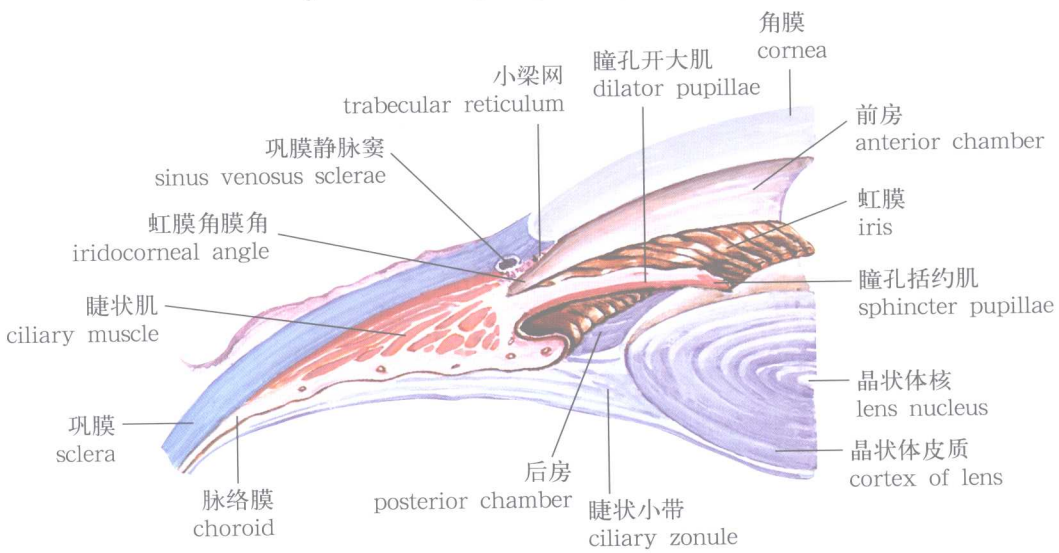


图 330　眼球前部断面图

Diagram of the section through the anterior part of the eyeball

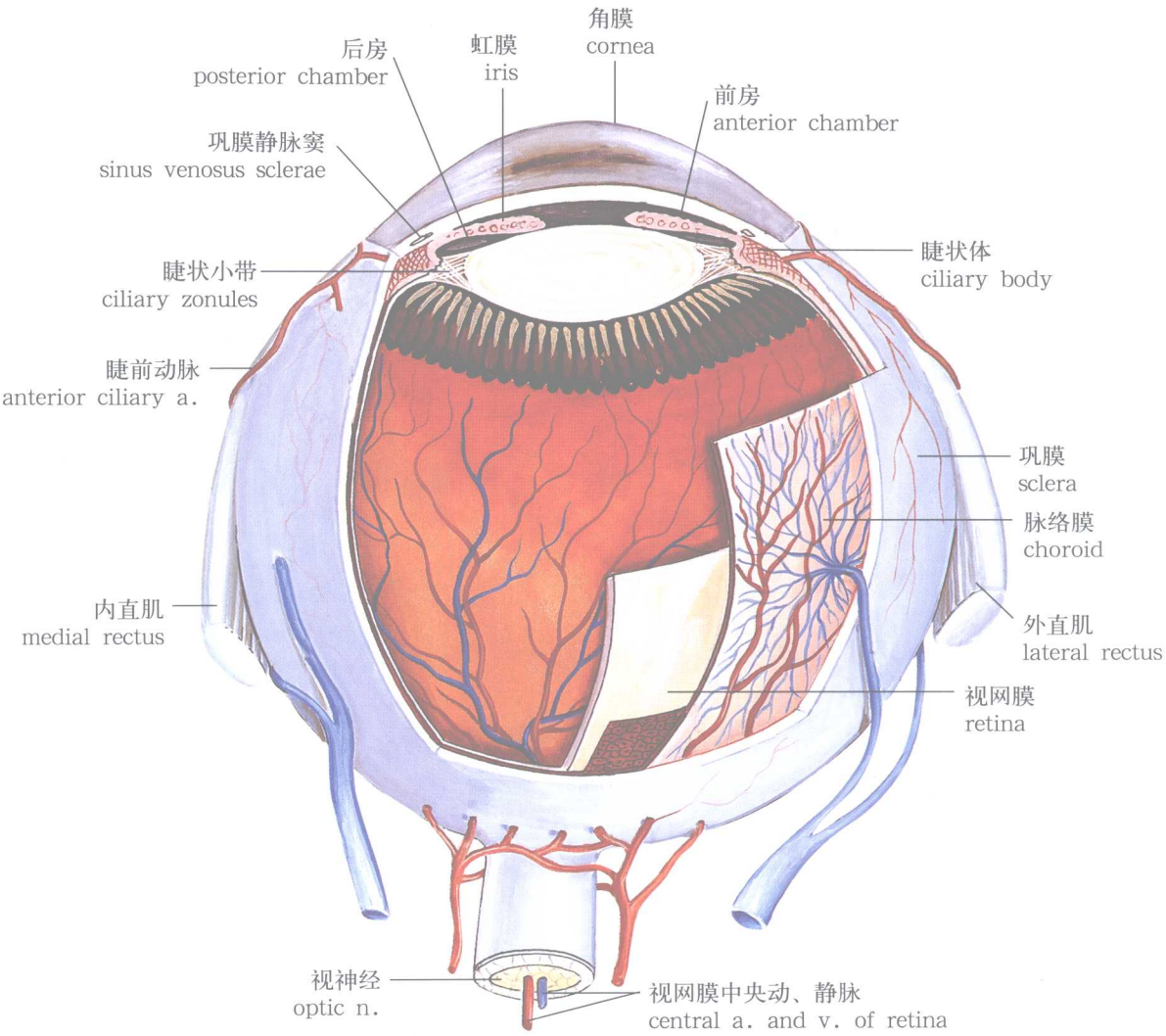
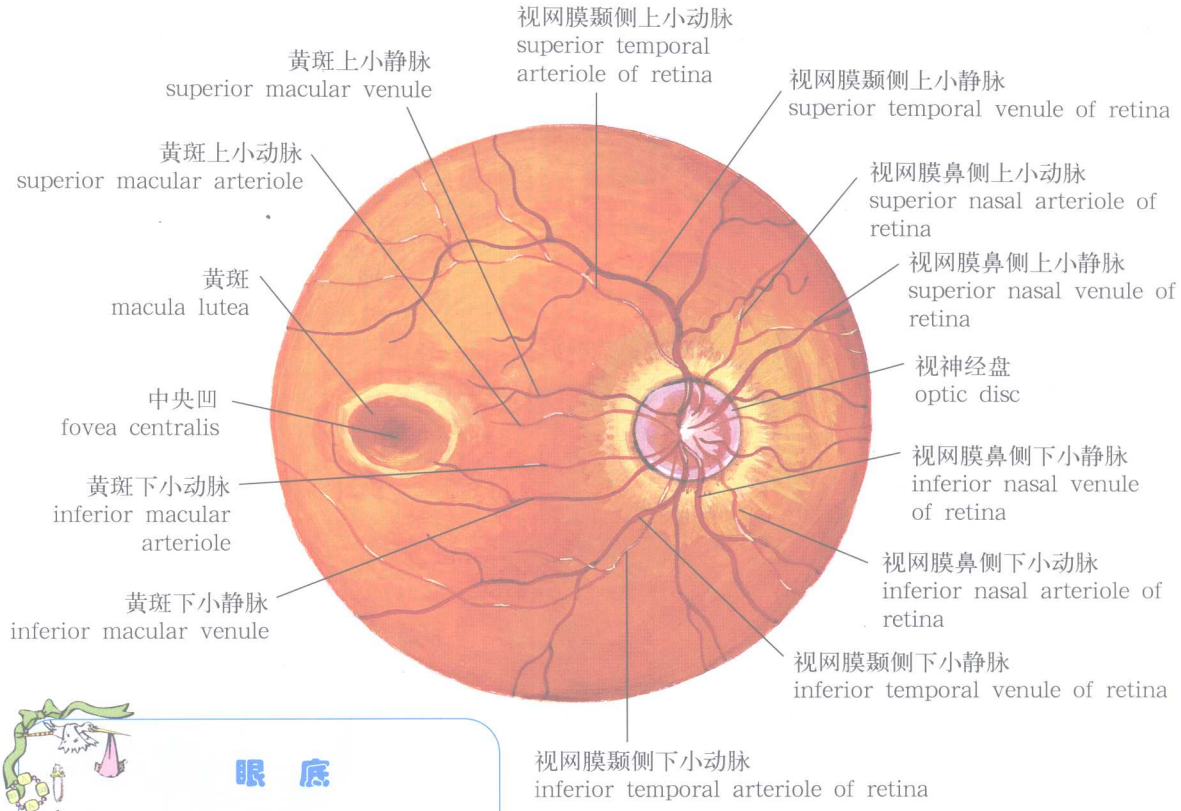


图 331　眼球壁结构模式图

Diagram of the wall of the eyeball

眼球壁

球壁三层内中外，角膜透明巩膜白，
中膜棕黑富血管，名称又分虹睫脉，
内膜又叫视网膜，盲部视部界分明，
视部结构分内外，外层色素内神经，
锥杆双极节细胞，视锥强光视杆弱。



眼　底

颜色橘红真鲜艳，乳头中凹似圆盘，
血管由此分支走，动静比例二比三，
乳头没有视细胞，正常生理是盲点，
乳头颞侧三点五，视觉敏锐在黄斑。

图 332　眼底图（右侧）

Fundus of the eyeball (right side)

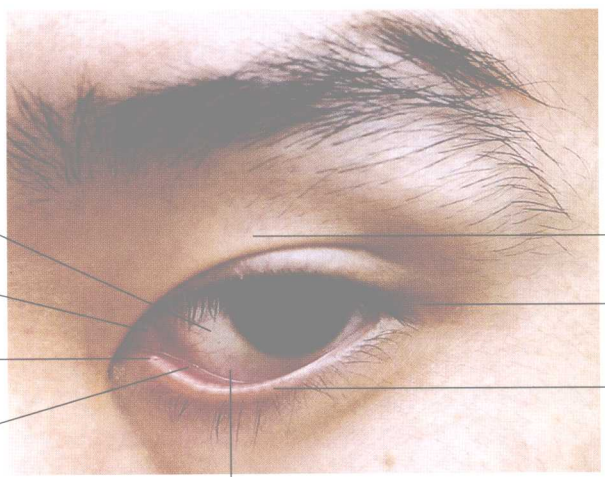


图 333　左眼（前面观）

The left eye (anterior aspect)

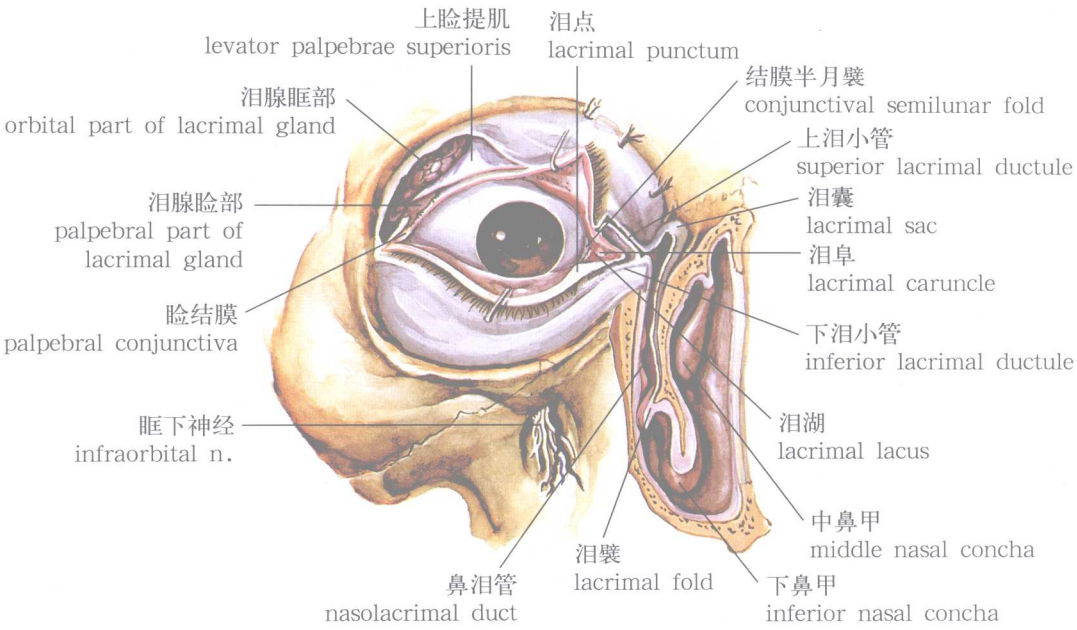


图 334　泪器模式图

Diagram of the lacrimal apparatus

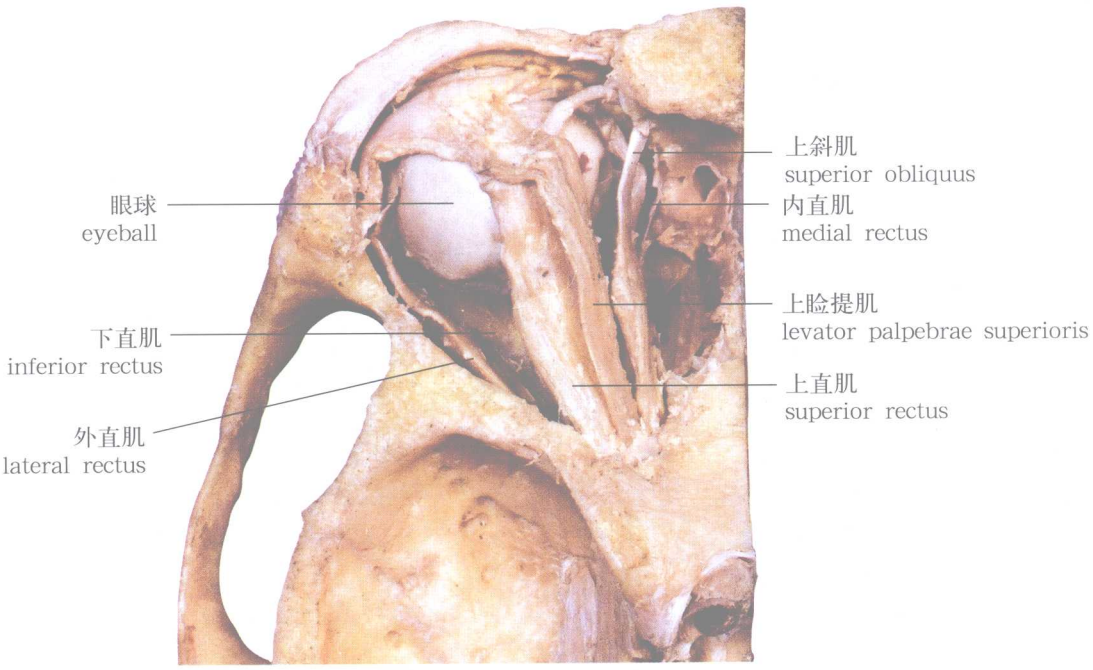


图 335　眼球外肌（上面观）

The extraocular muscles (superior aspect)

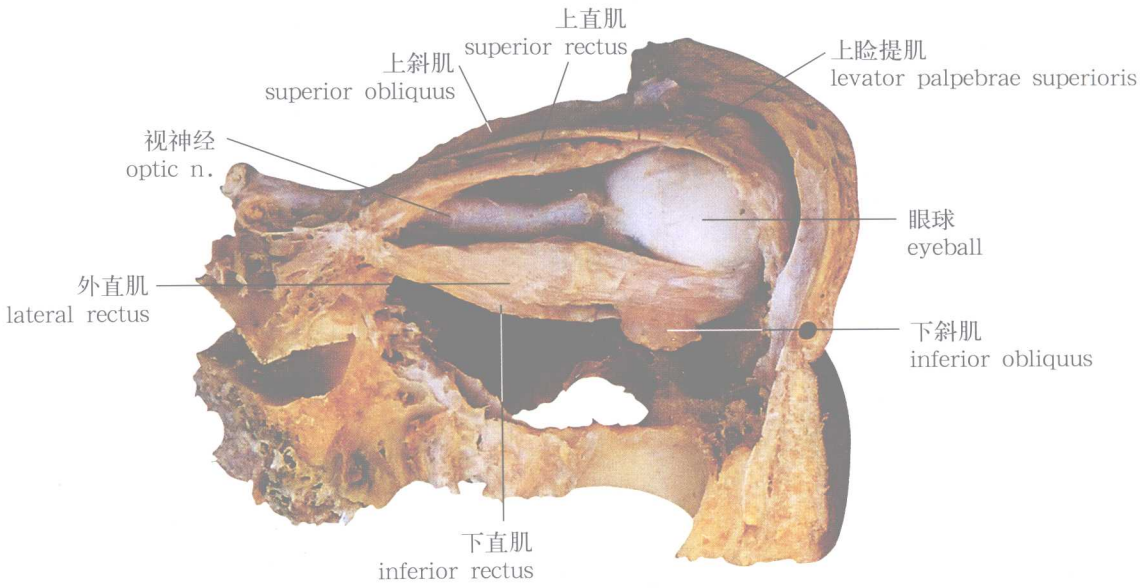


图 336 眼球外肌（外侧面观）

The extraocular muscles (lateral aspect)

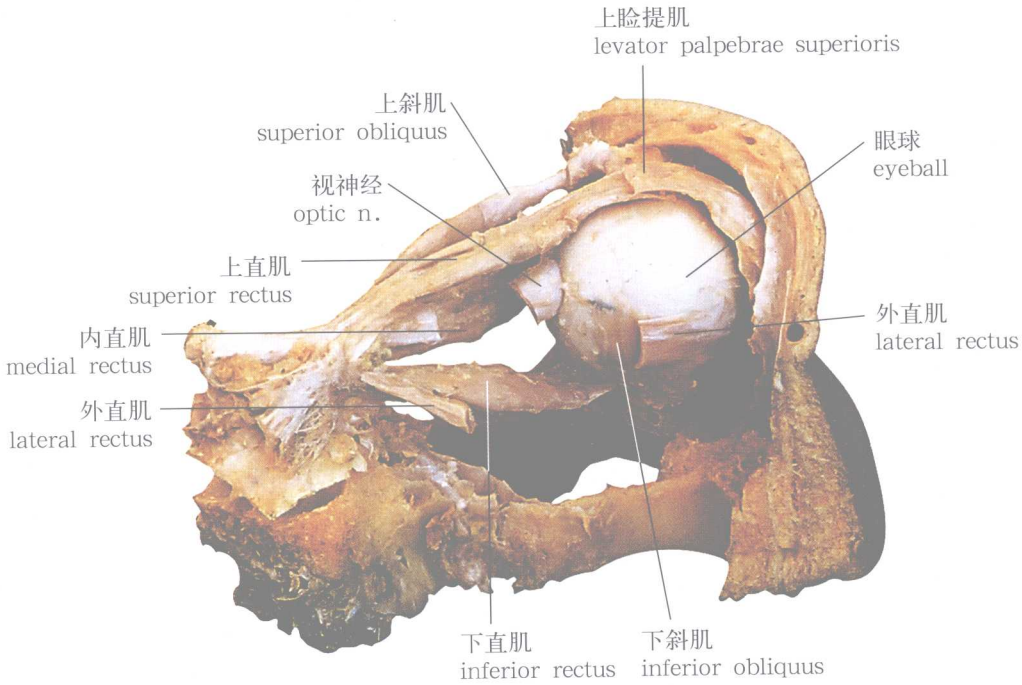


图 337 眼球外肌（内侧面观）

The extraocular muscles (medial aspect)

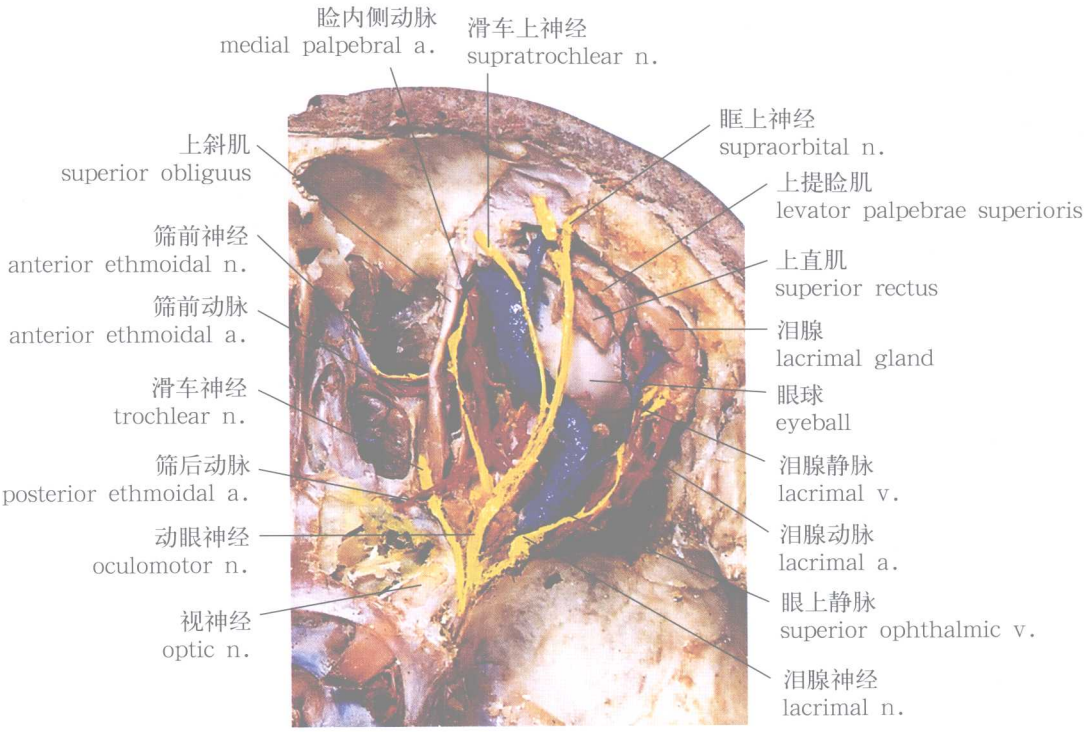


图 338 眼的血管、神经

Blood vessels and nerves of the eye

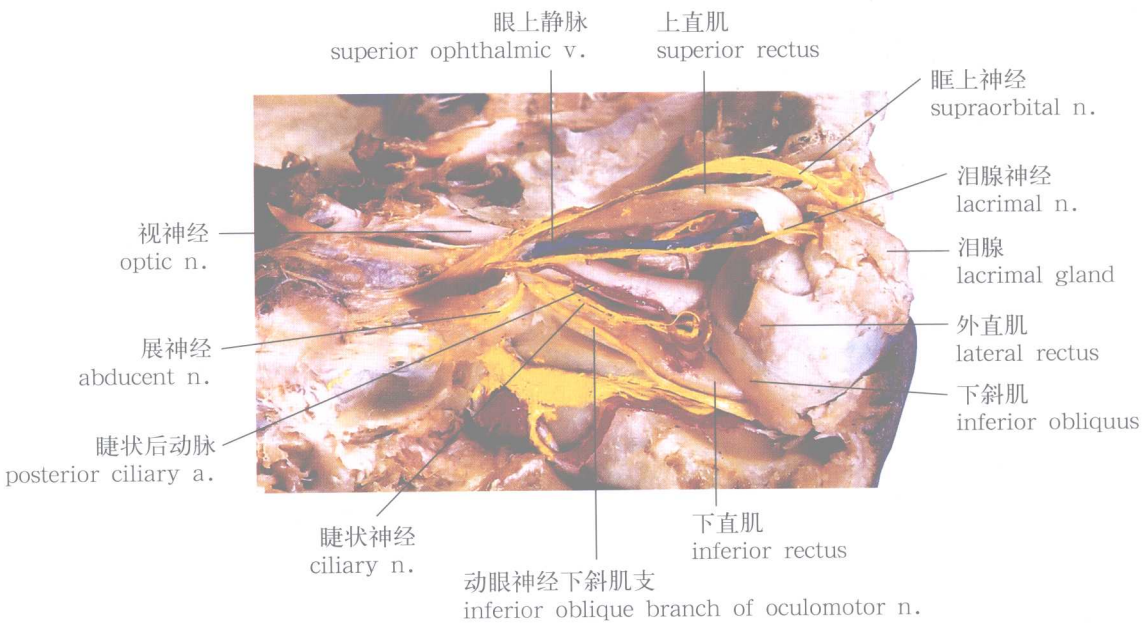


图 339 眼的肌肉、血管、神经

Muscles, blood vessels and nerves of the eye

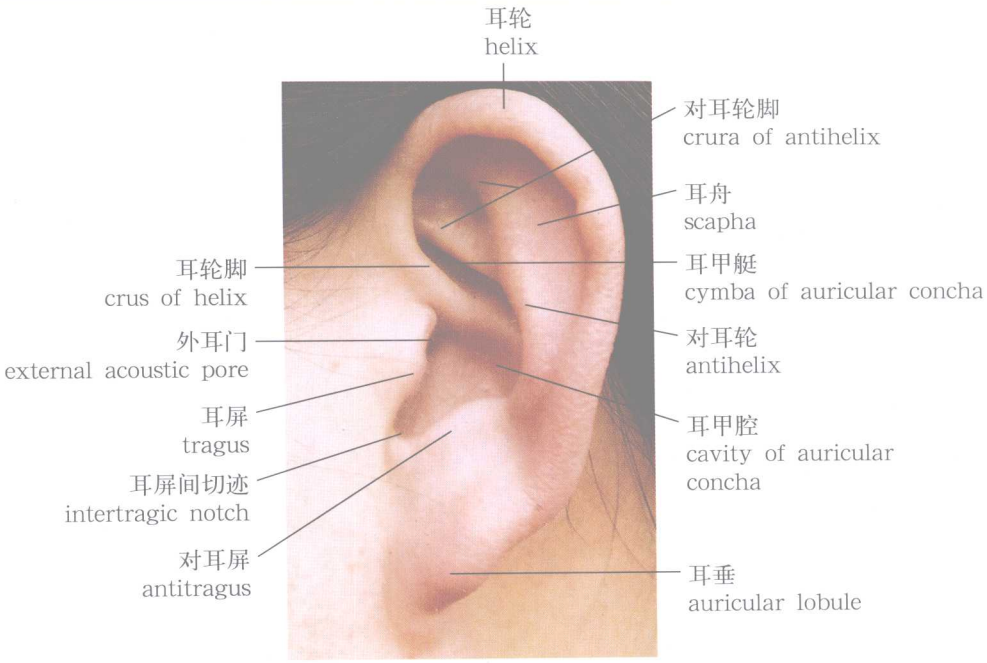


图 340　耳郭（外侧面观）

The auricle (lateral aspect)

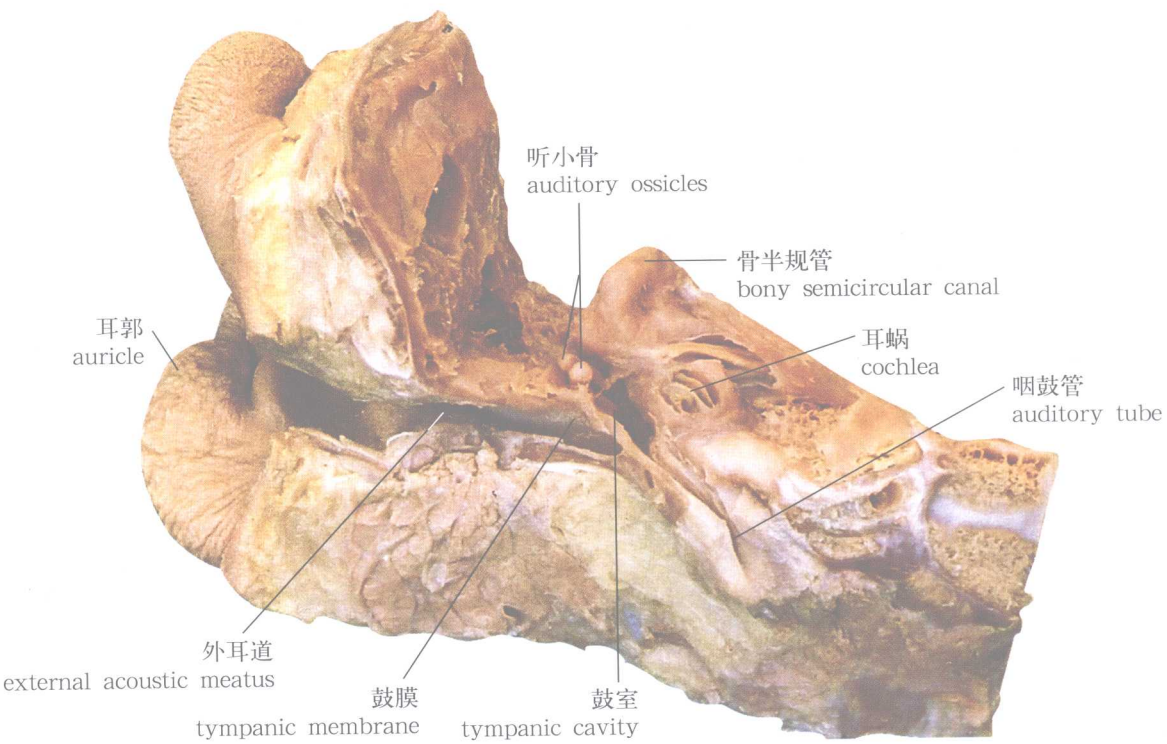


图 341　前庭蜗器概观（前外侧面观）

General arrangement of the vestibulocochlear organ (anterolateral aspect)

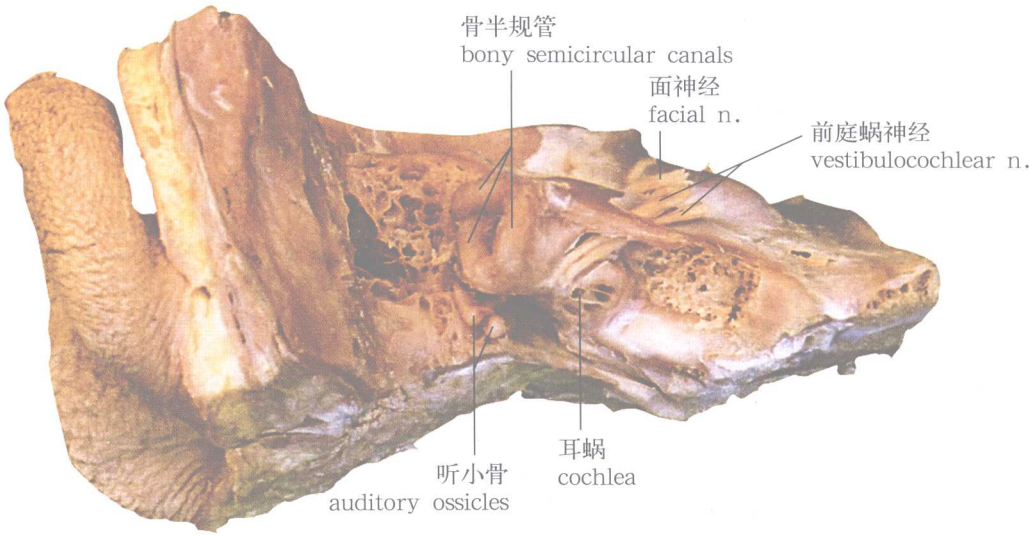


图 342　前庭蜗器概观（上面观）

General arrangement of the vestibulocochlear organ (superior aspect)

鼓　室

一个鼓室六个壁，前后上下外内侧，
三块骨头两块肌，杠杆运动传声波，
一个鼓岬两个窗，面神经管凸后上，
中耳炎症互蔓延，及早治疗莫损伤。

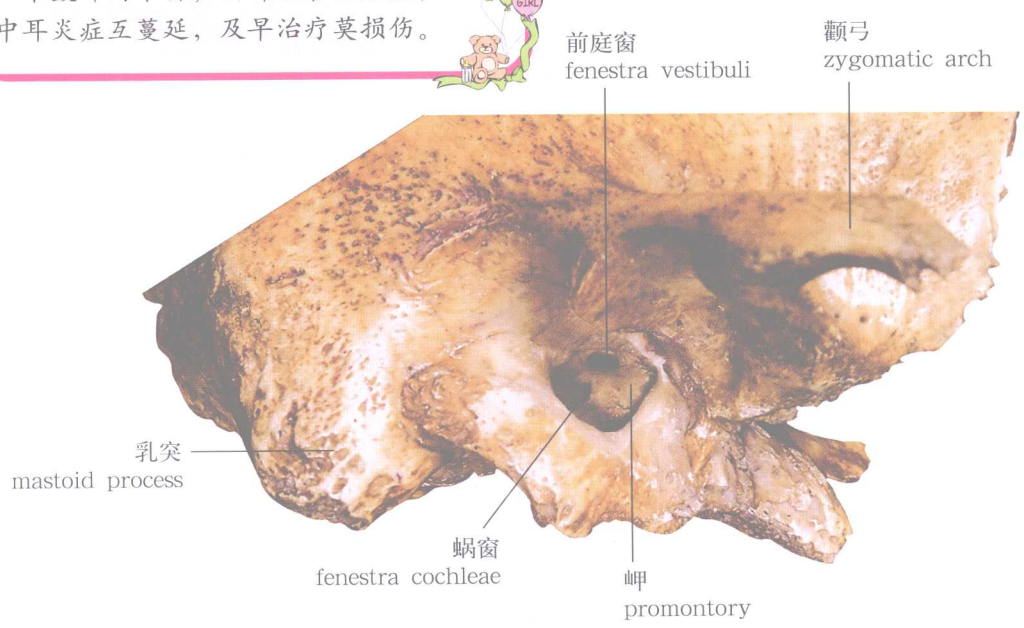


图 343　鼓室内侧壁（1）

Medial wall of the tympanic cavity (1)

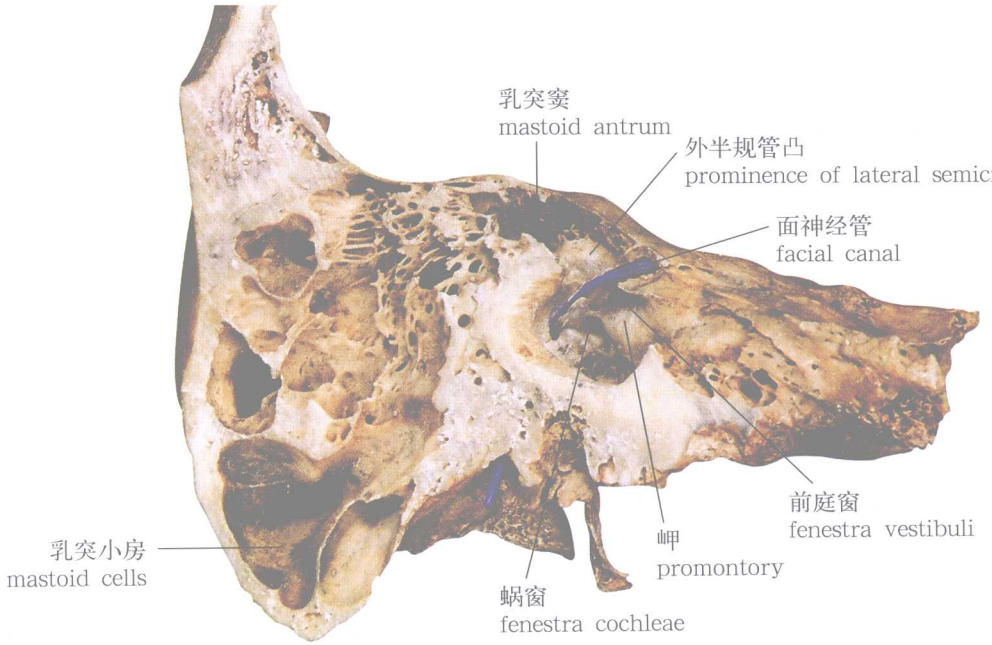


图 344　鼓室内侧壁（2）

Medial wall of the tympanic cavity (2)

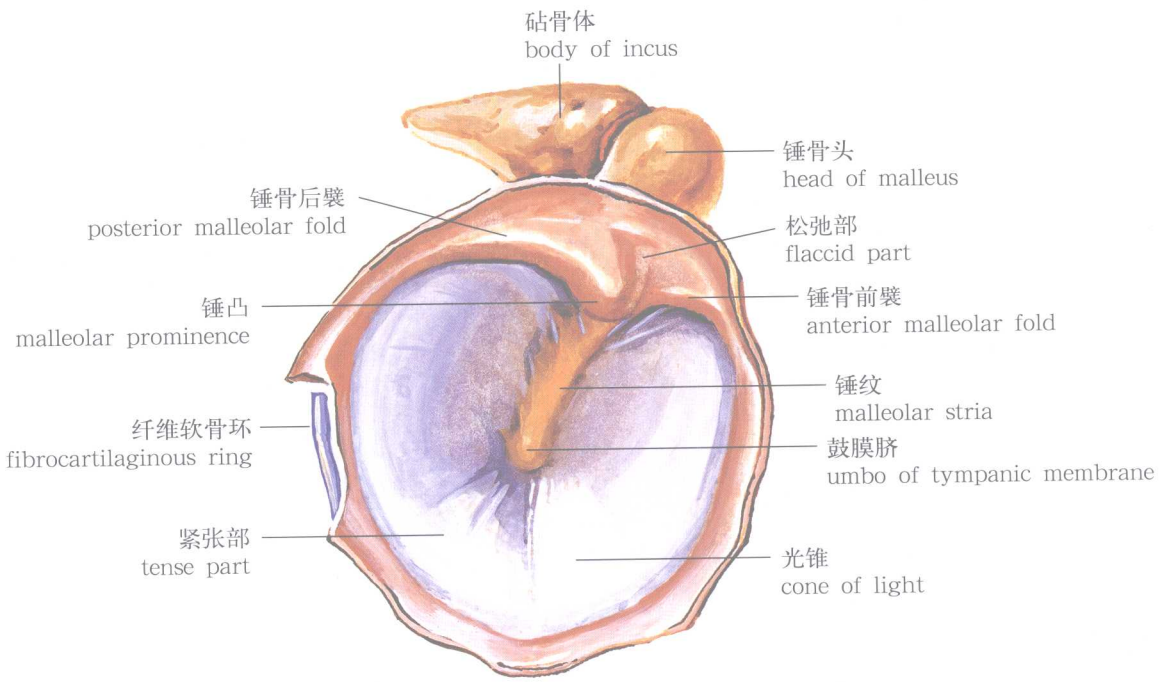


图 345　鼓膜模式图（外侧观）

Diagram of the tympanic membrane (outer view)

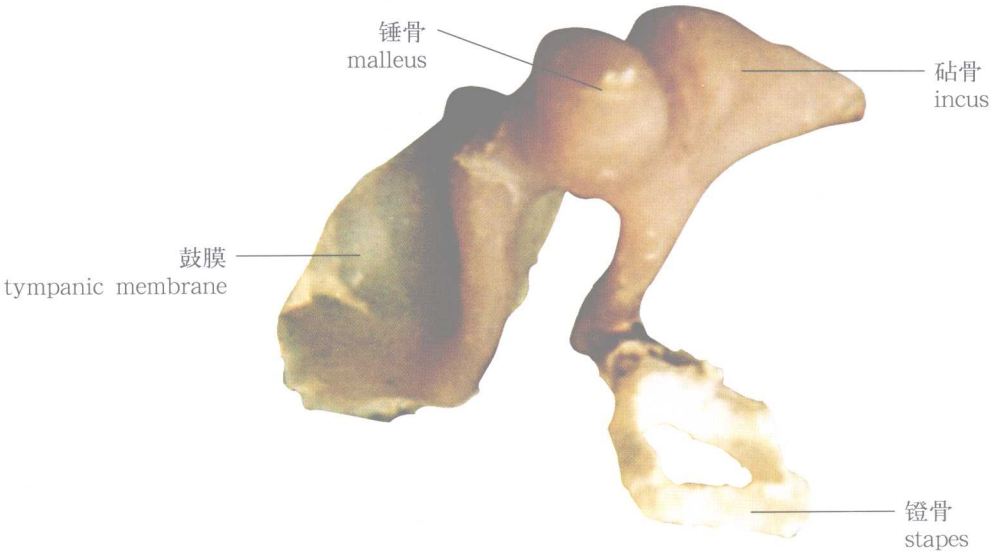


图 346　听小骨链

The chain of the auditory ossicles

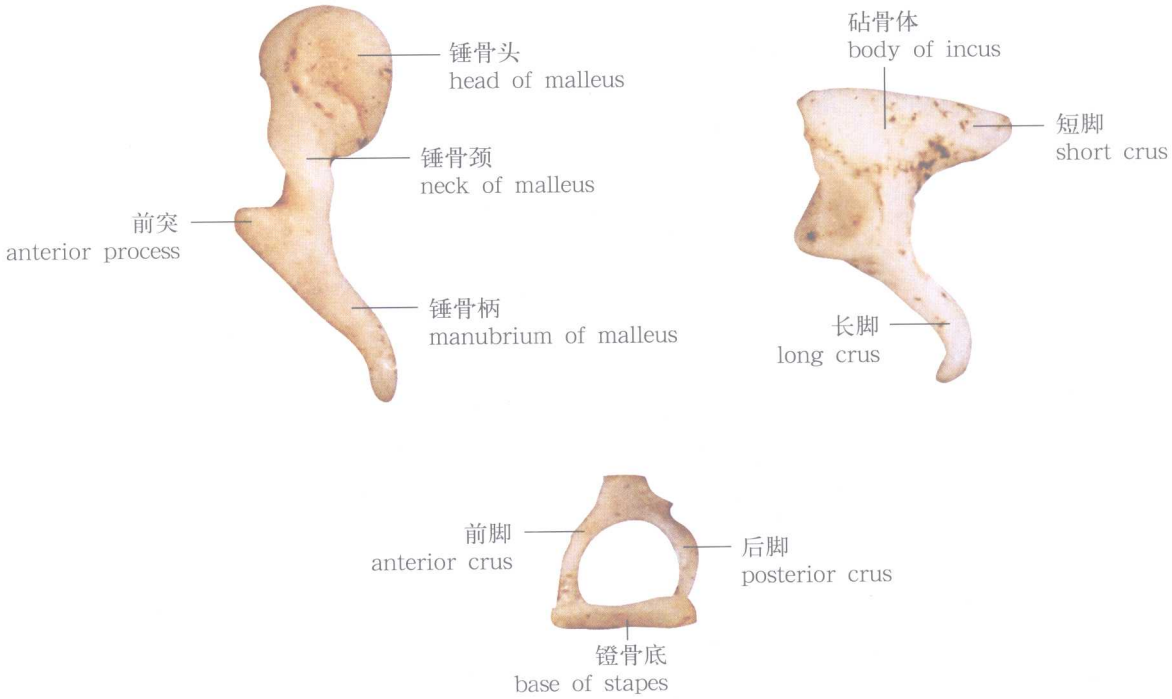


图 347　听小骨

The auditory ossicles

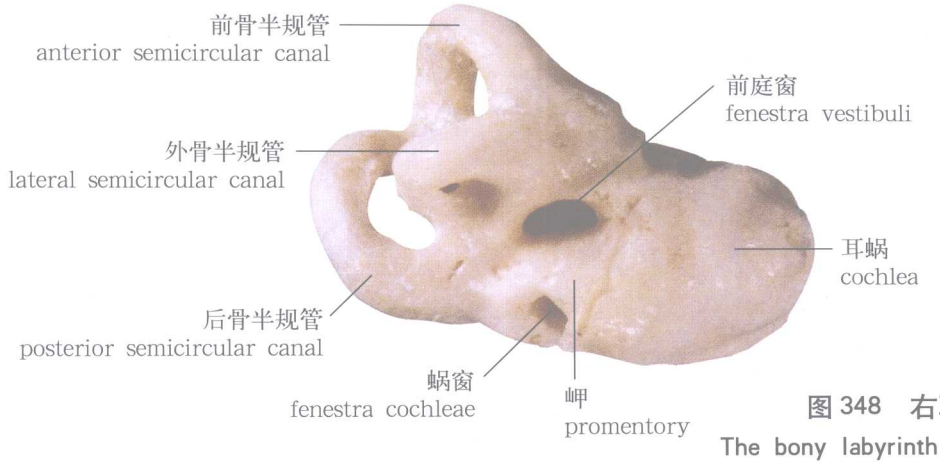


图 348 右耳骨迷路（1）

The bony labyrinth of the right ear (1)

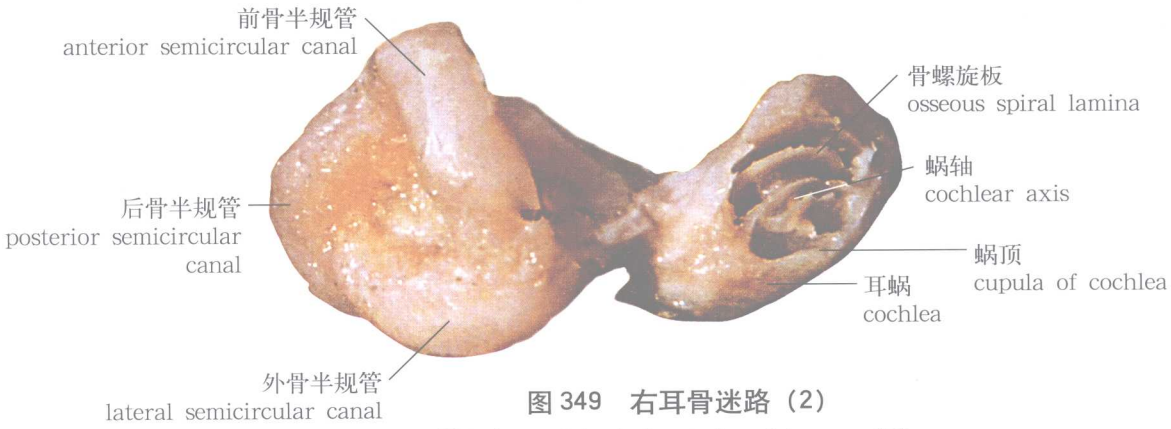


图 349 右耳骨迷路（2）

The bony labyrinth of the right ear (2)

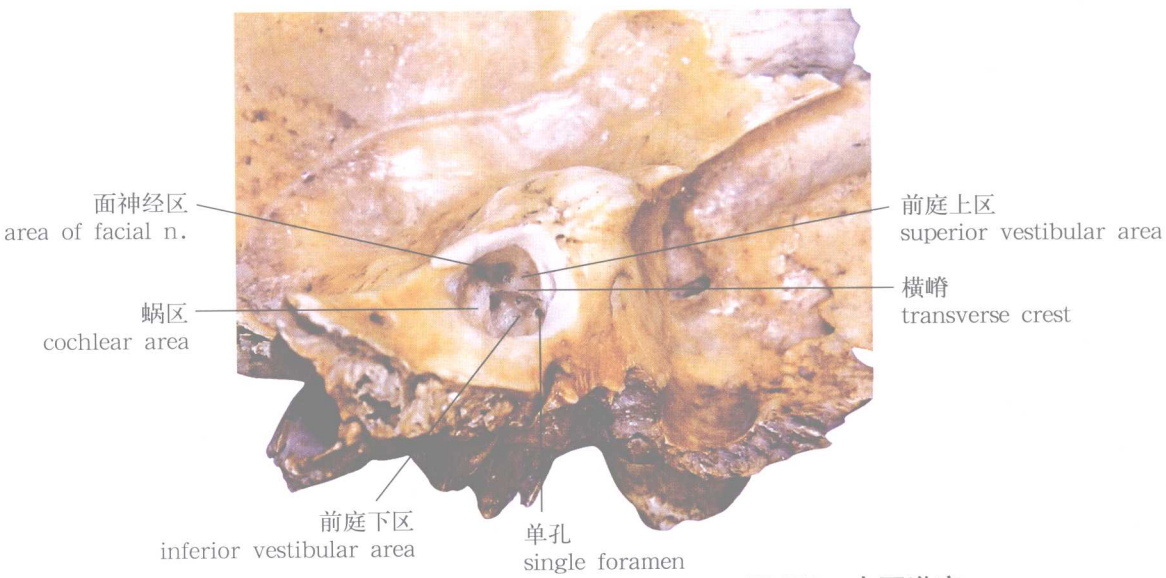


图 350 内耳道底

The fundus of the internal acoustic meatus

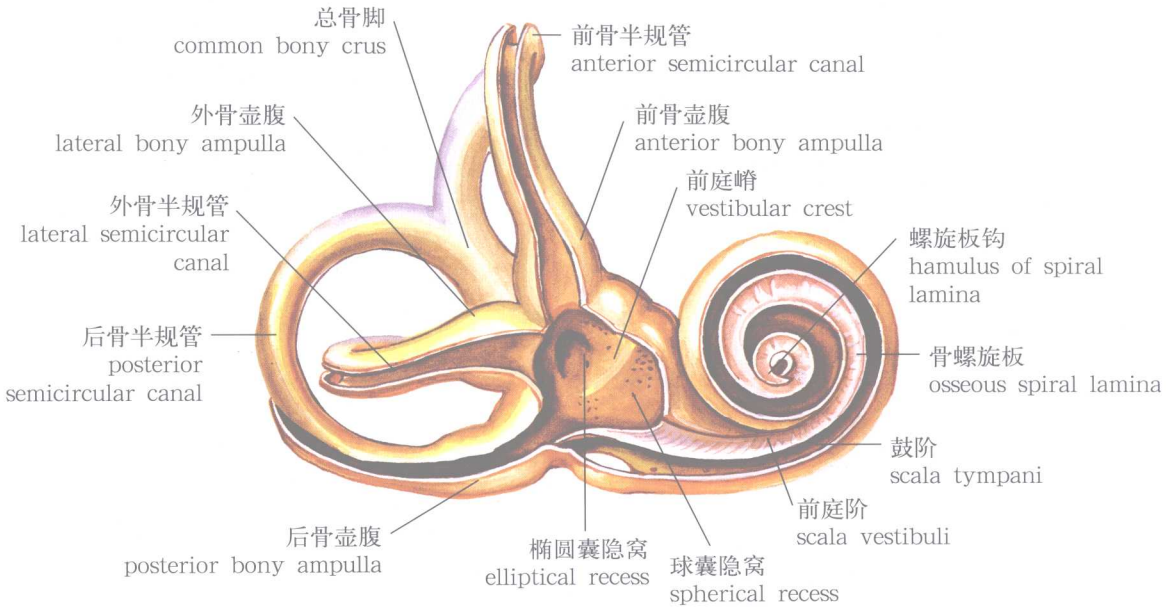


图 351　骨迷路模式图

Diagram of the bony labyrinth

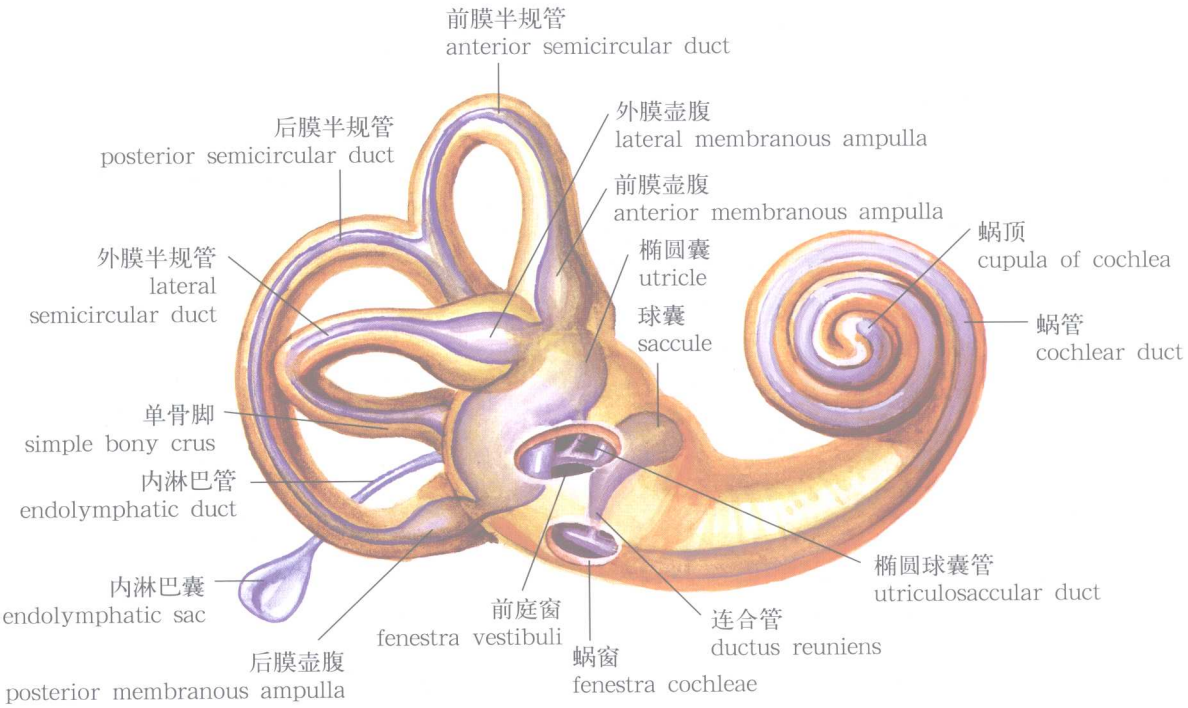


图 352　骨迷路与膜迷路模式图

Diagram of the bony and membranous labyrinth

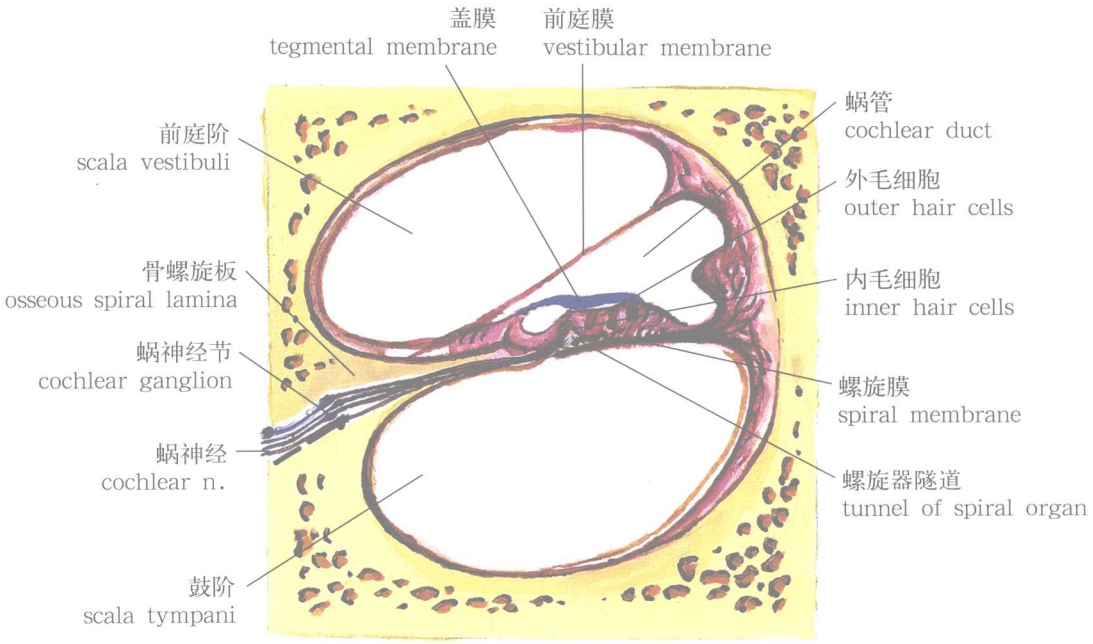


图 353　螺旋器模式图（横断面）

Diagram of the spiral organ (transverse section)

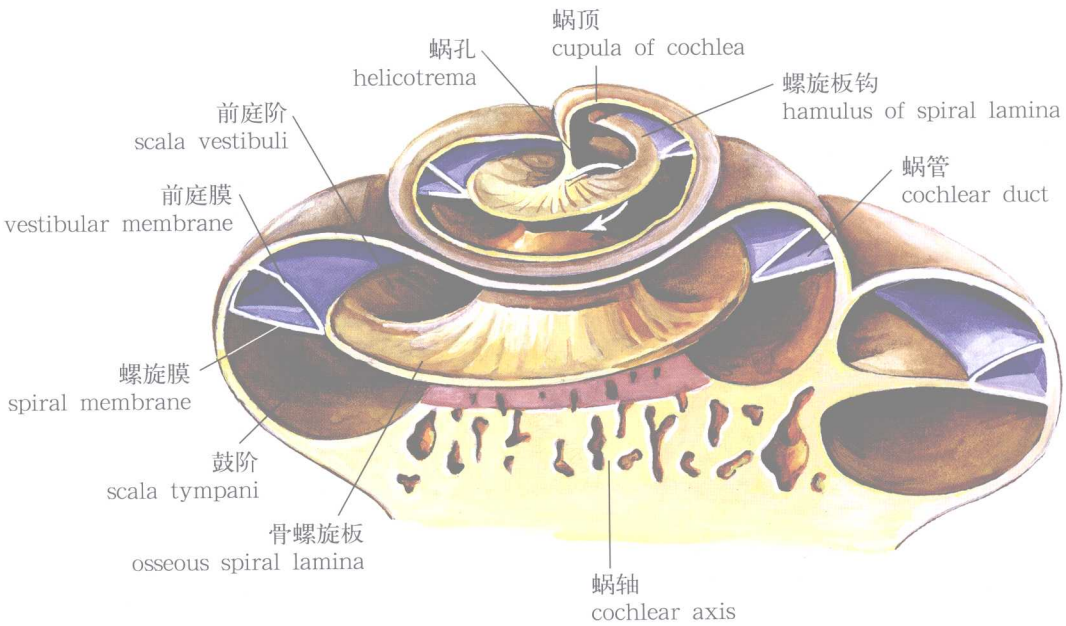


图 354　耳蜗模式图

Diagram of the cochlea

第11章

内分泌系统

ENDOCRINE SYSTEM

Chapter 11

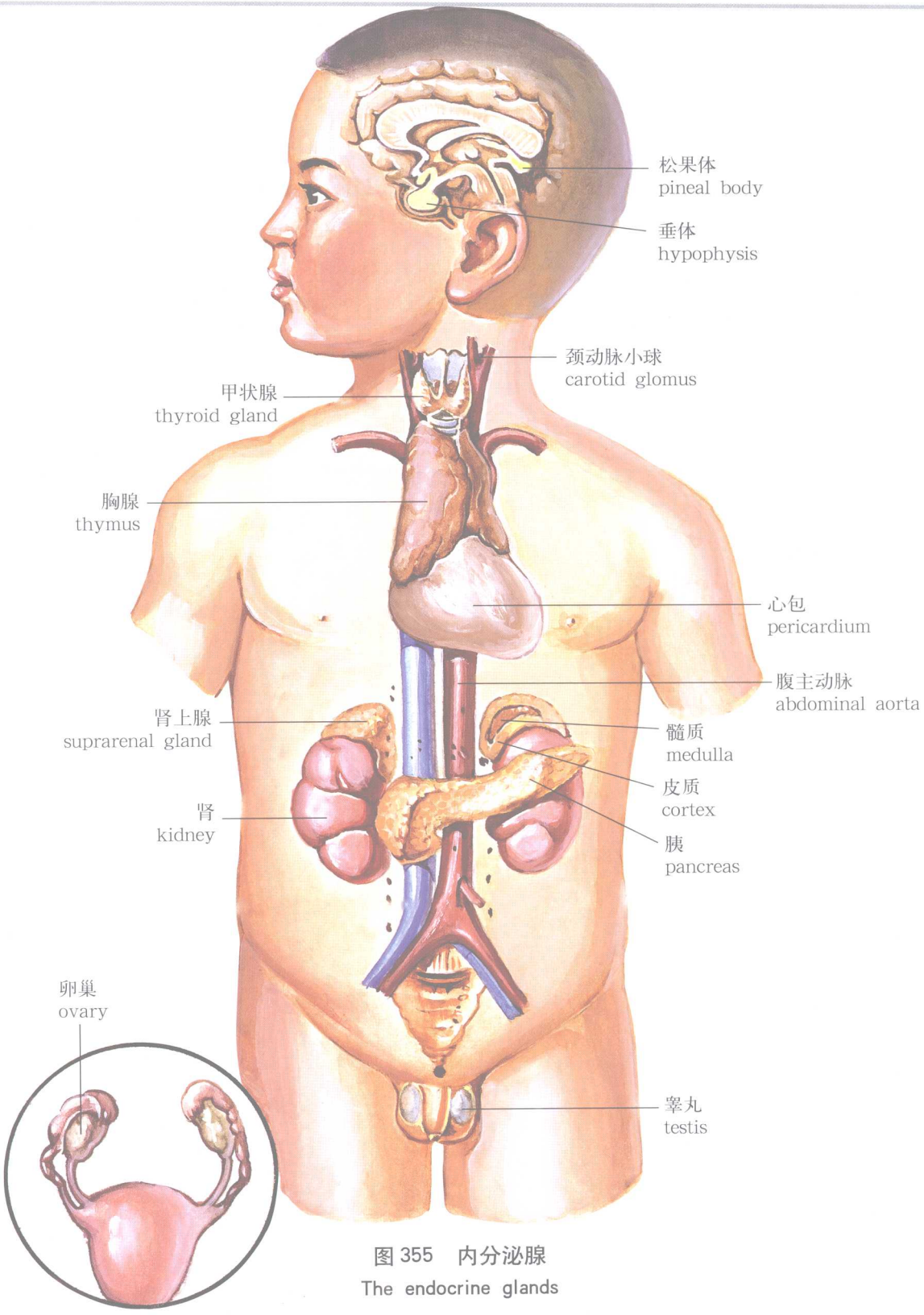


图 355　内分泌腺

The endocrine glands

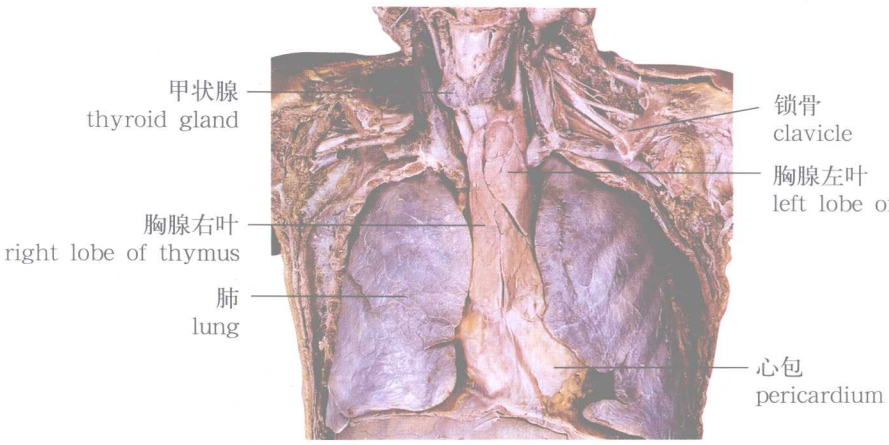


图 356 胸腺和甲状腺

The thymus and thyroid gland

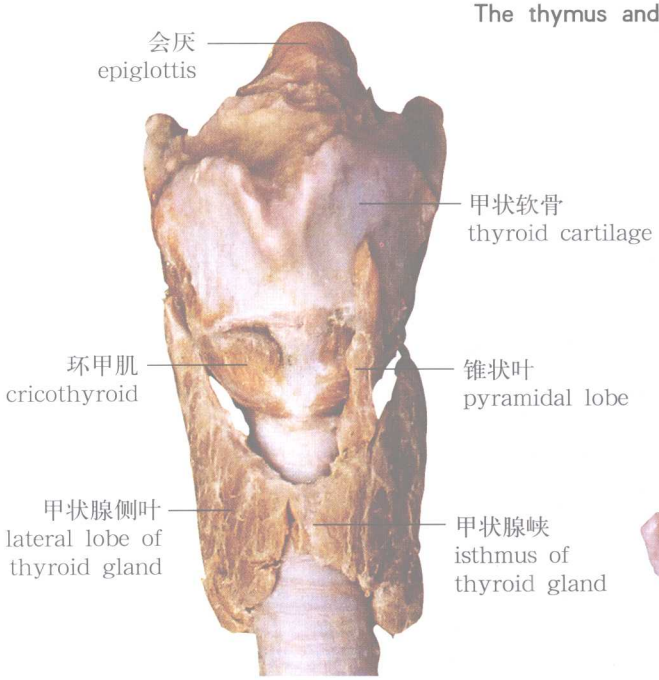


图 357 甲状腺（前面观）

The thyroid gland (anterior aspect)

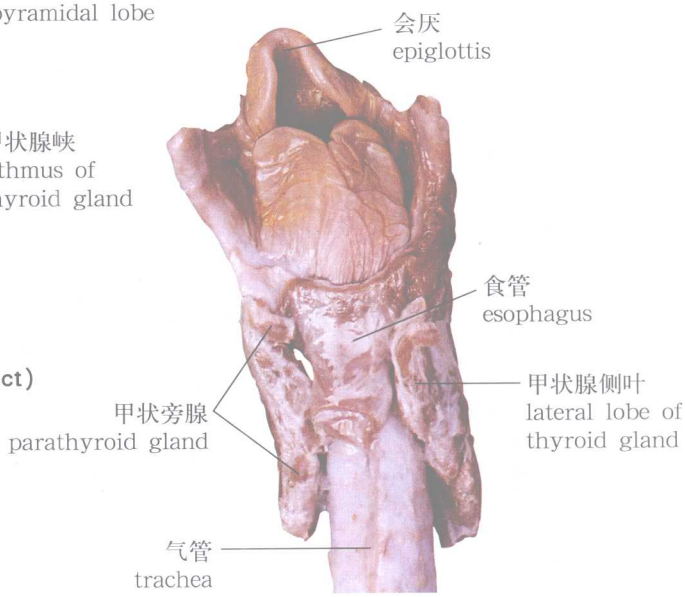


图 358 甲状腺（后面观）

The thyroid gland (posterior aspect)

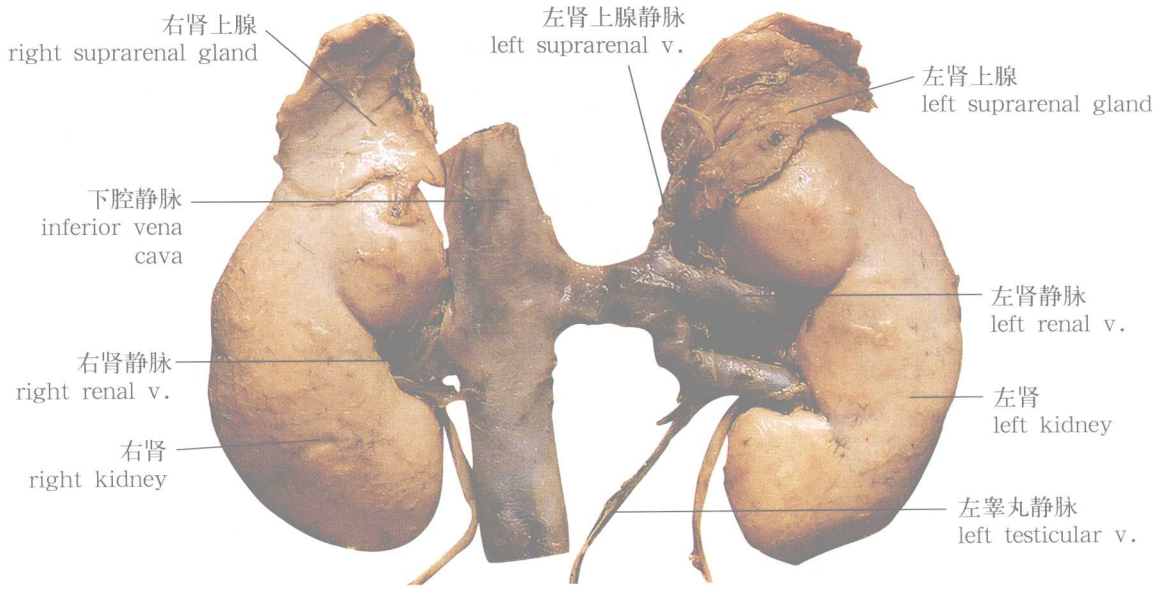


图 359 肾上腺

The suprarenal glands

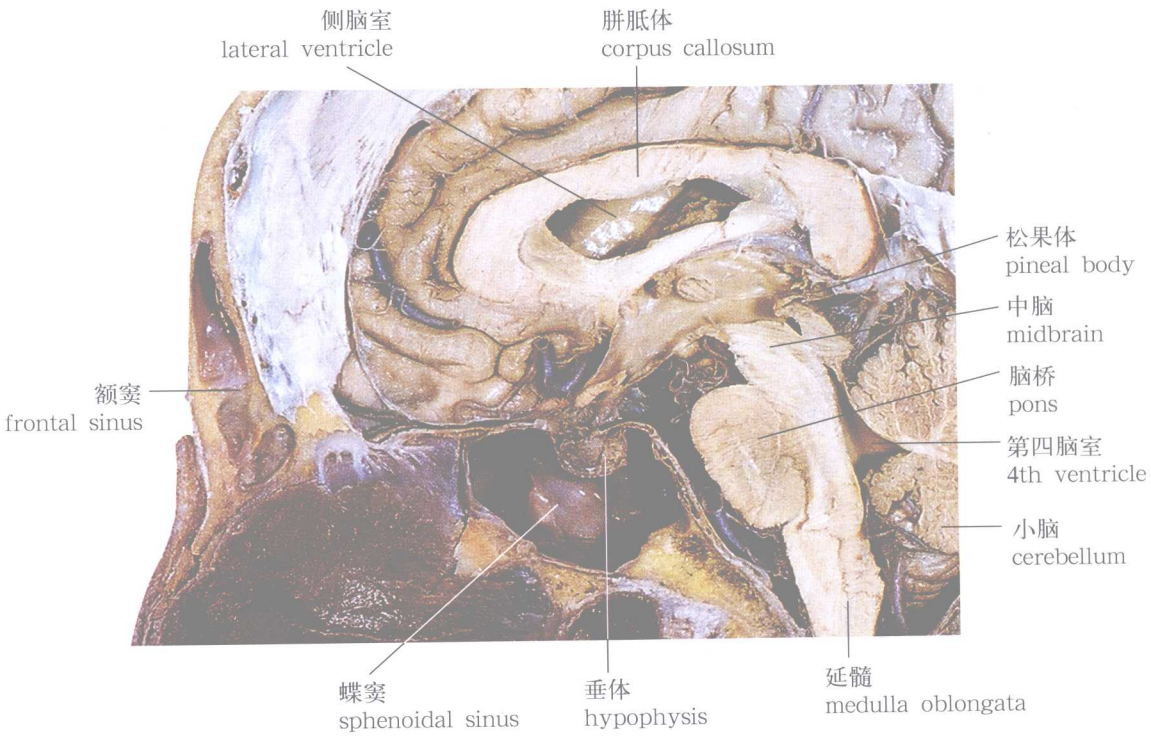


图 360 垂体与松果体

The hypophysis and pineal body

第12章

神经系统——中枢神经

NERVOUS SYSTEM —— CENTRAL NERVE

Chapter 12

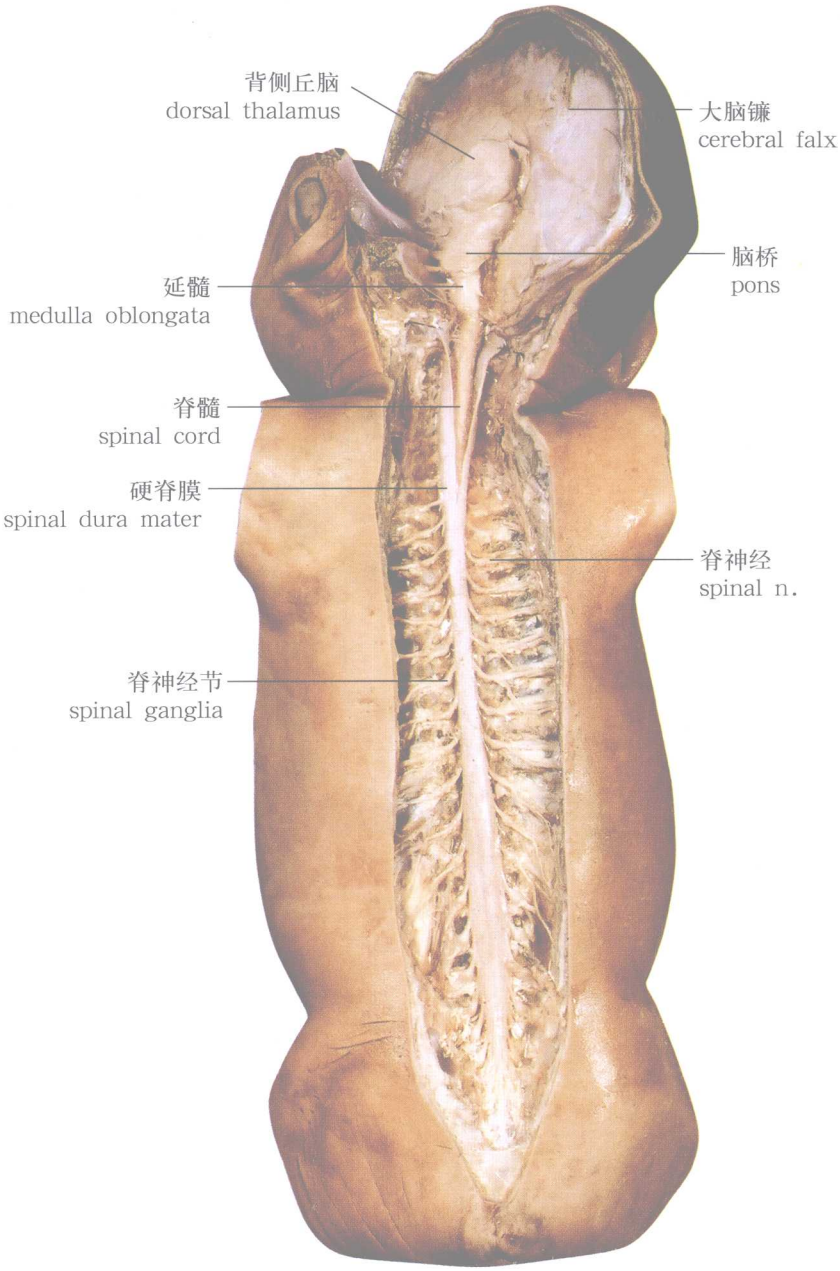


图 361　婴儿脊髓和脊神经（后面观）

Spinal cord and nerves in the fetus (posterior aspect)

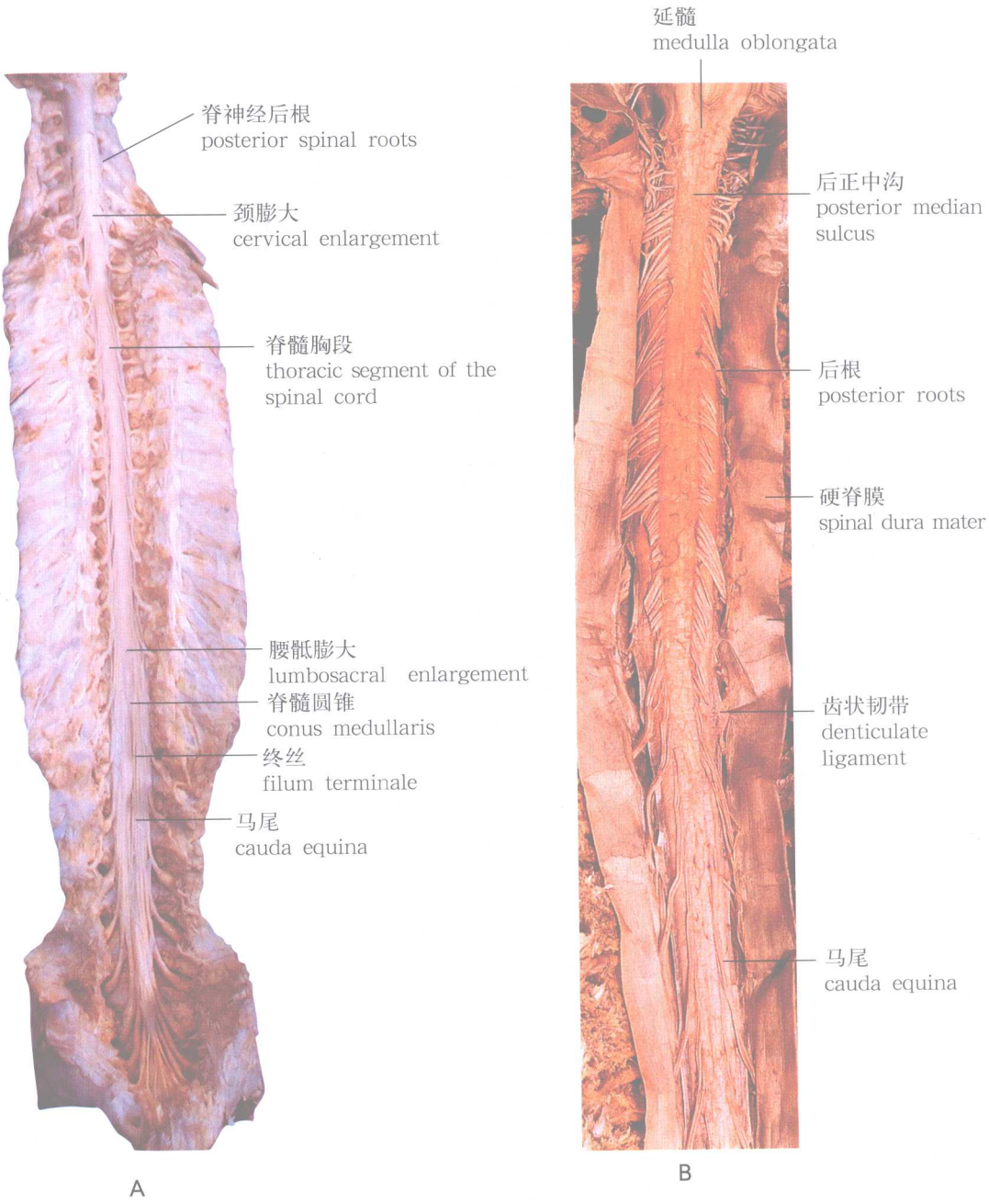


图 362　成人脊髓（后面观）

Spinal cord in the adult

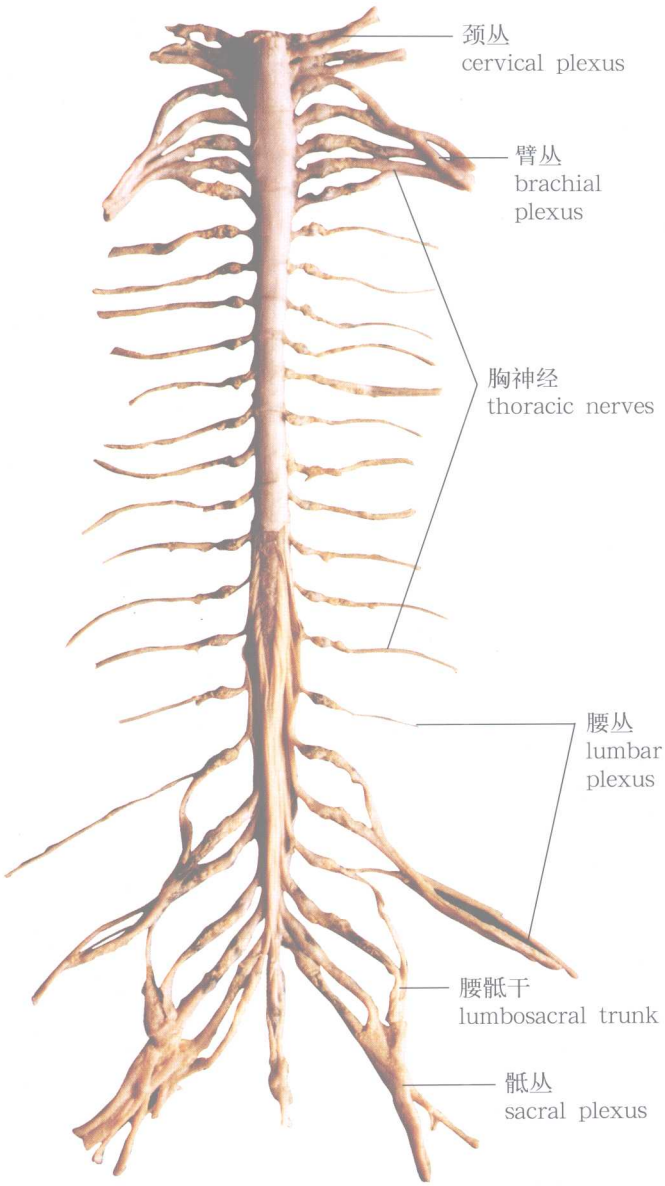


图 363　脊髓和脊神经

The spinal cord and nerves

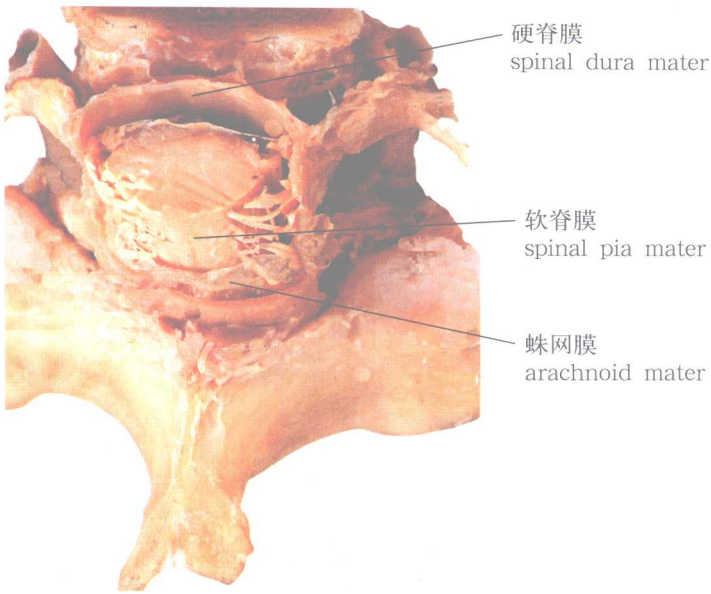


图 364　脊髓的被膜

The coverings of the spinal cord

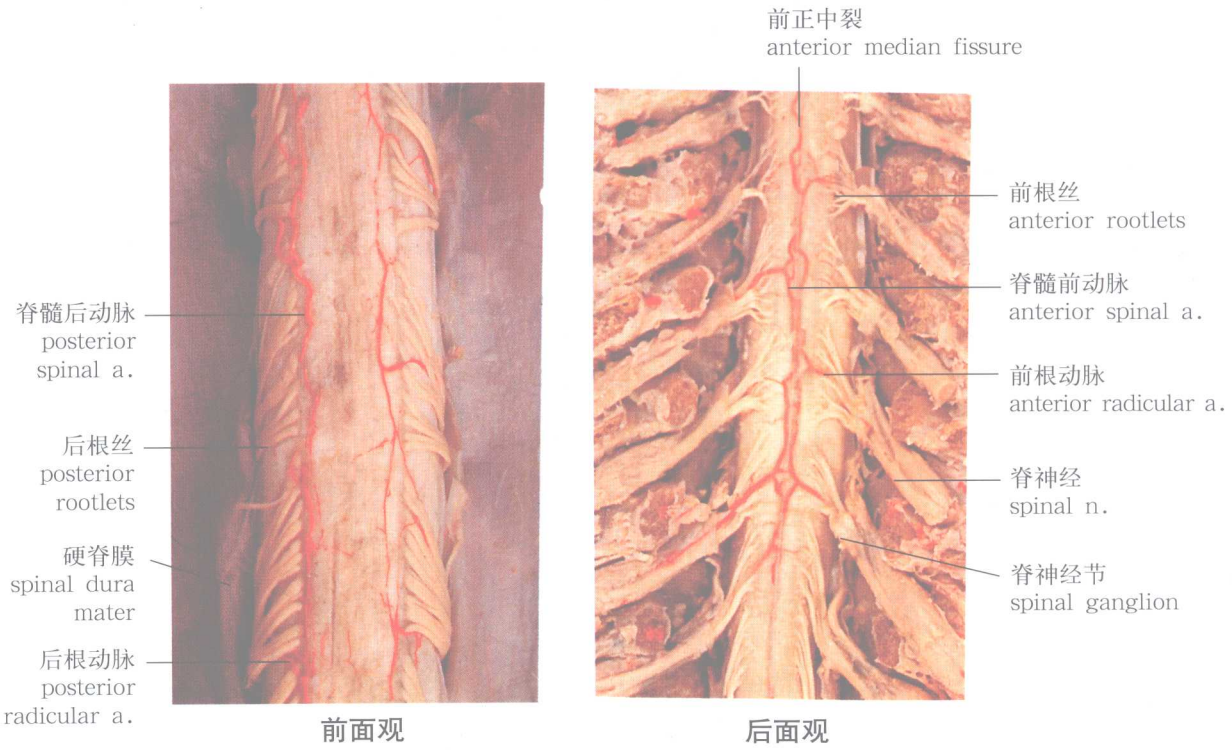


图 365　脊髓的血管

The blood vessels of the spinal cord

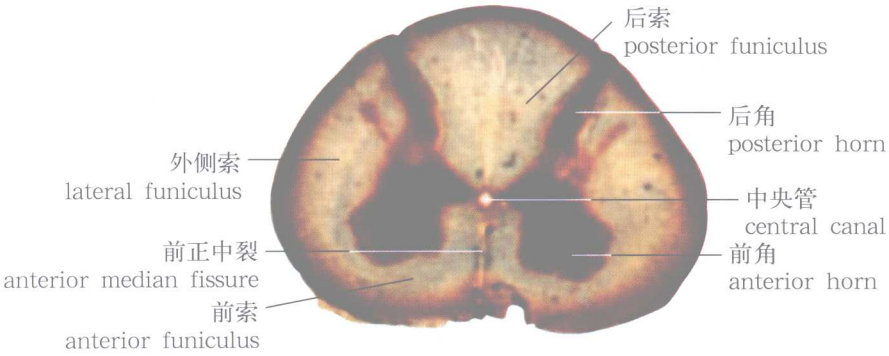


图 366　颈段脊髓（横切面）

Spinal cord of the cervical region (transverse section)

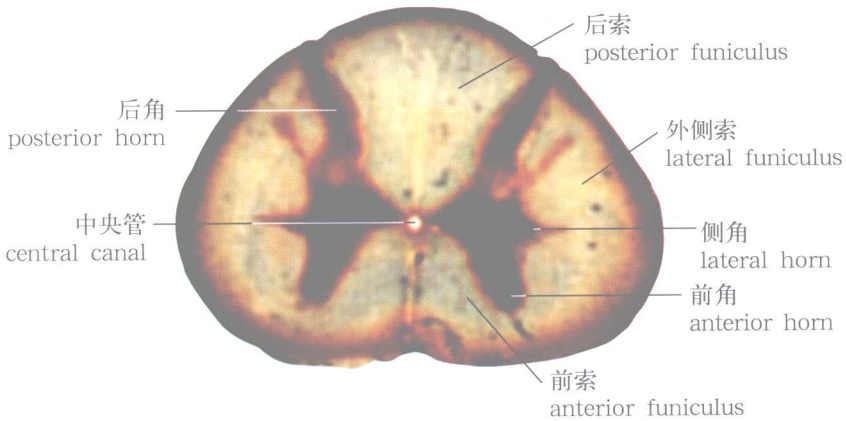


图 367　胸段脊髓（横切面）

Spinal cord of the thoracic region (transverse section)

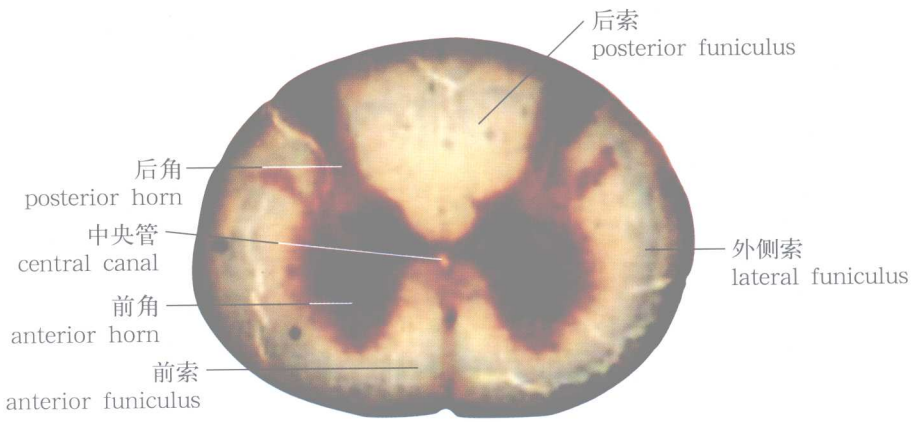


图 368　腰段脊髓（横切面）

Spinal cord of the lumbar region (transverse section)

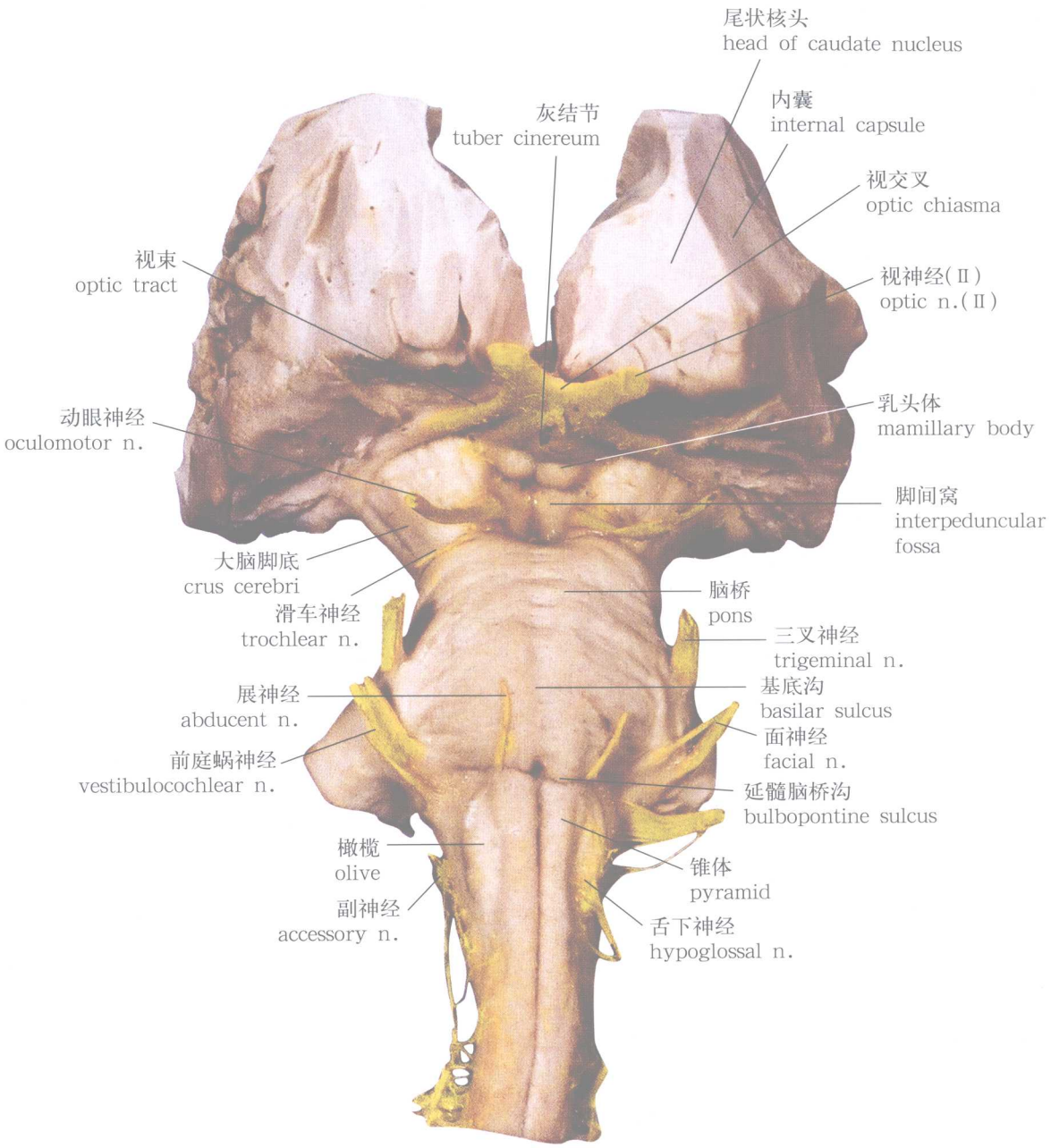


图 369　脑干（腹面观）

The brain stem (ventral aspect)

脑 干

上视下听，外视内听，
视听反射，务必记清。

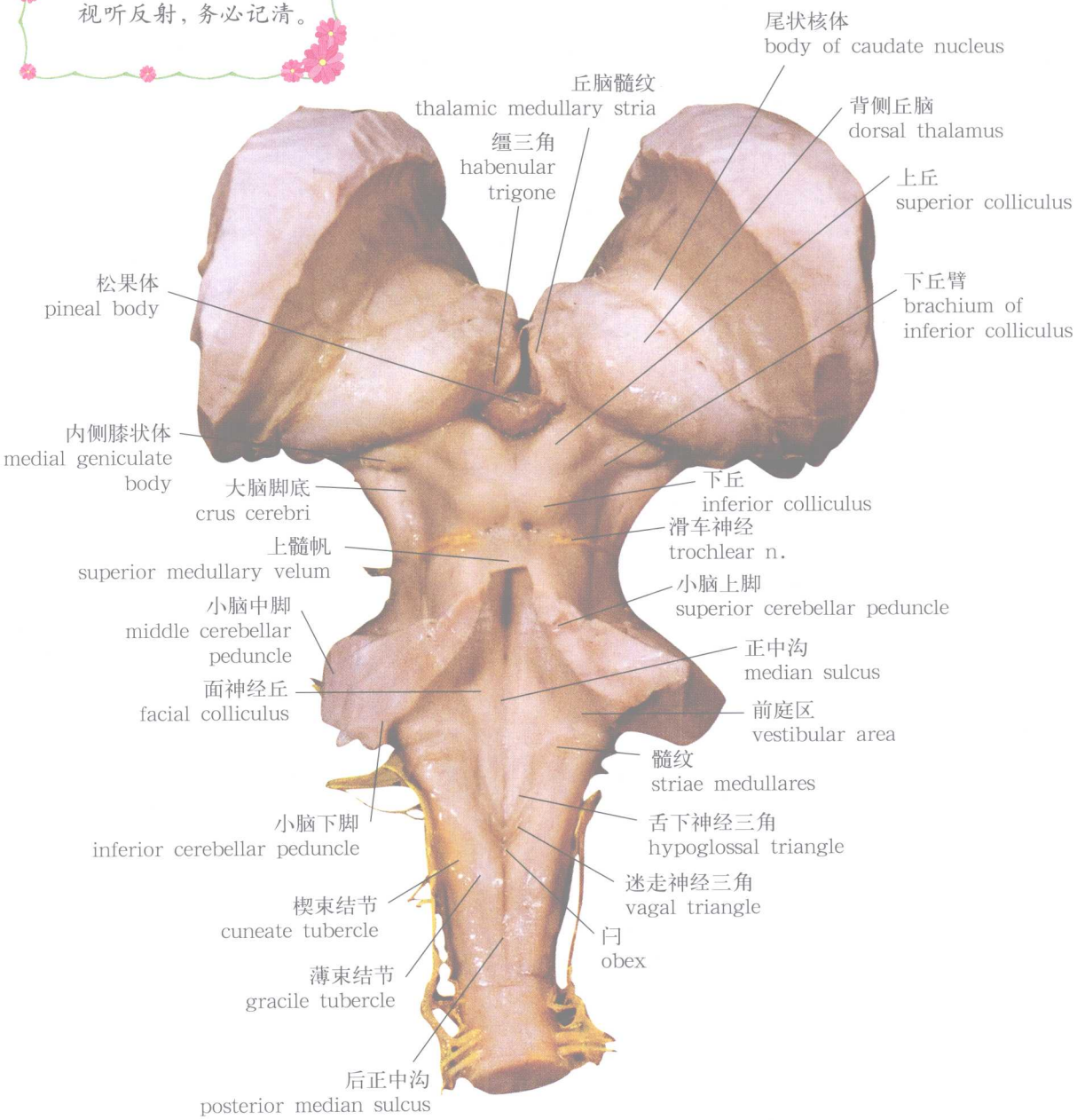


图 370 脑干(背面观)

The brain stem (dorsal aspect)

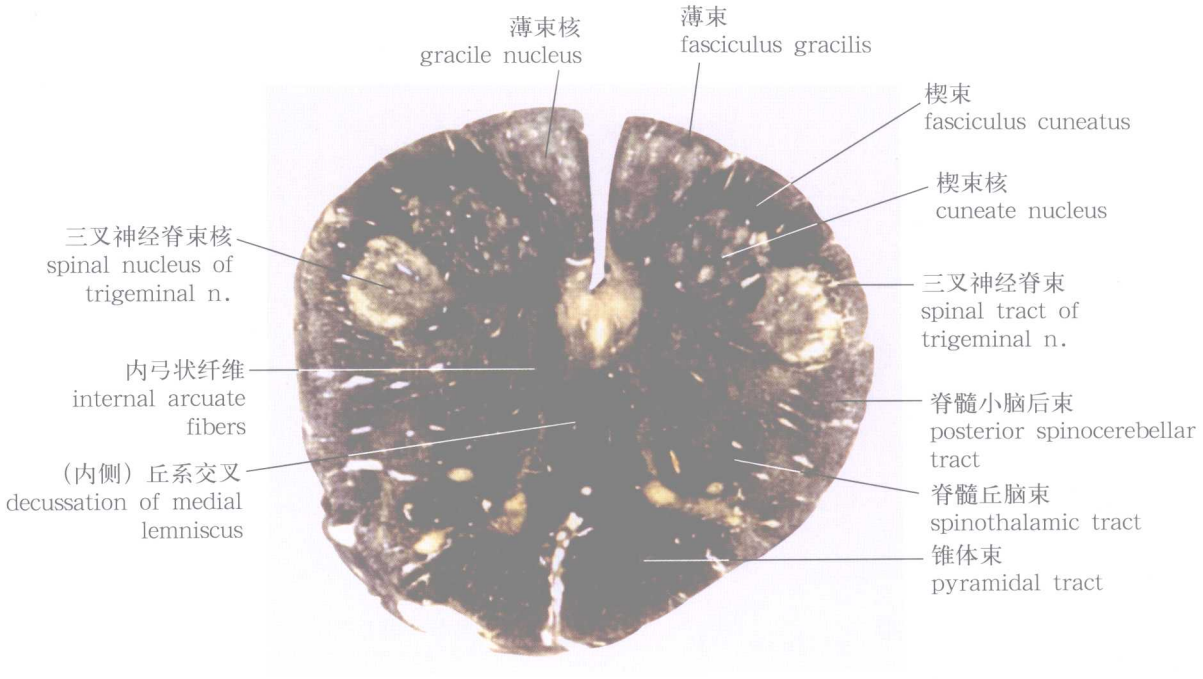


图 371　延髓横切面（经丘系交叉）

Transverse section of the medulla oblongata through the decussation of medial lemniscus

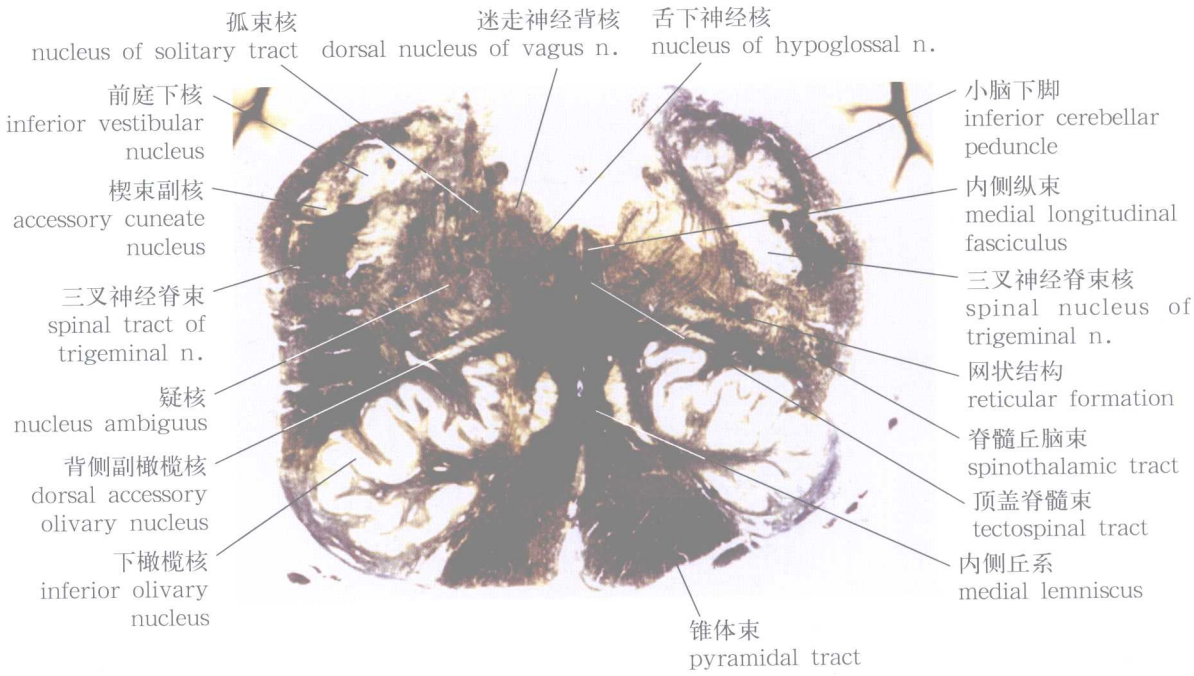


图 372　延髓横切面（经橄榄中部）

Transverse section of the medulla oblongata through the middle part of the olive

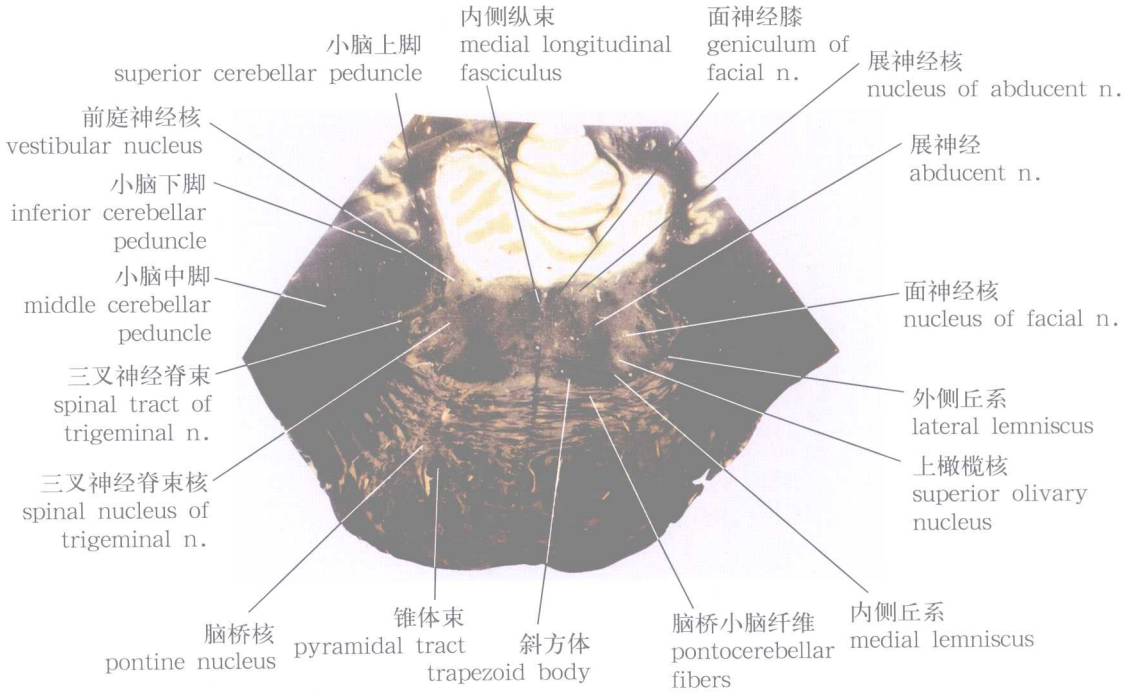


图 373　脑桥横切面（面神经丘水平）

Transverse section of the pons at the level of the facial colliculus

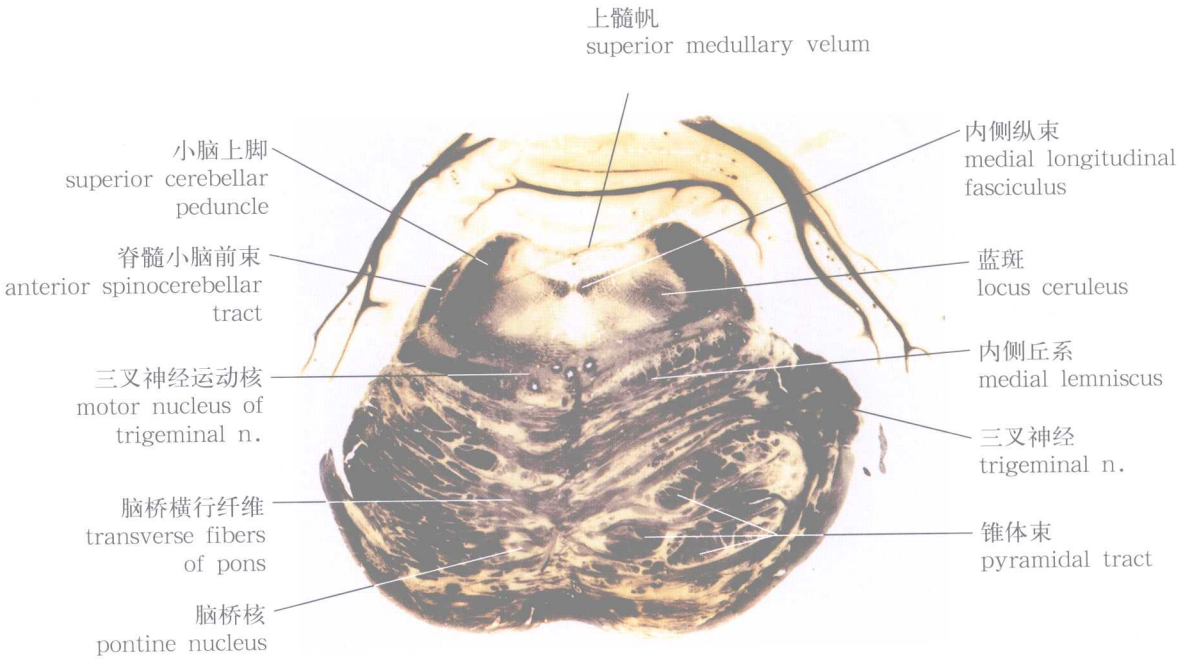


图 374　脑桥横切面（经三叉神经运动核）

Transverse section of the pons through the motor nucleus of the trigeminal nerve

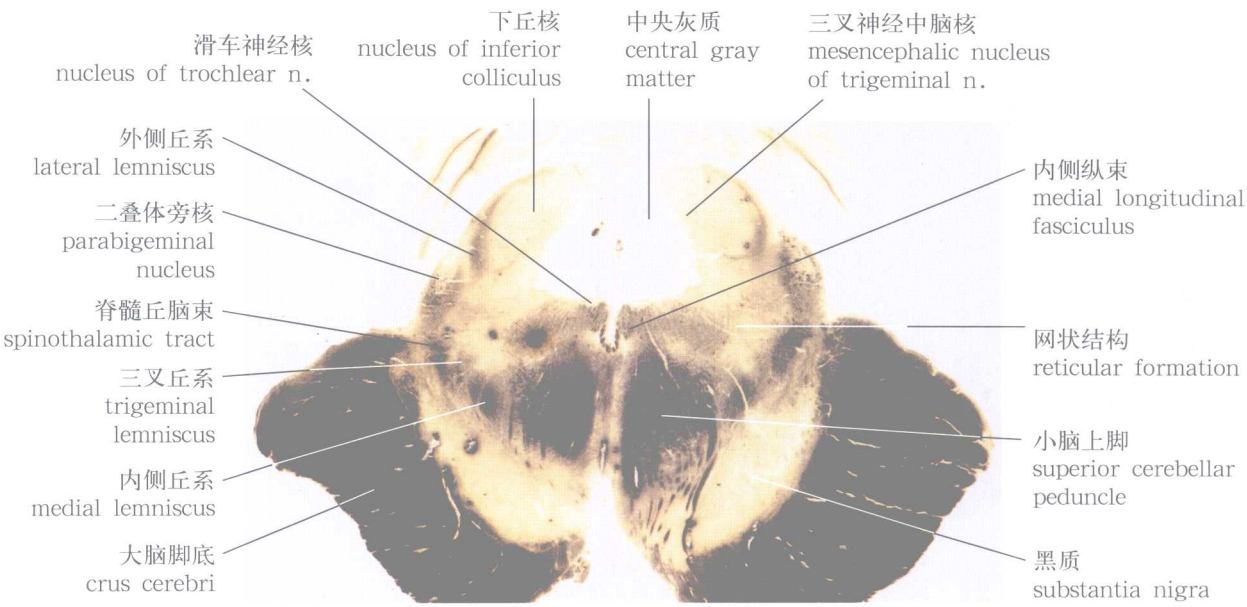


图 375 中脑横切面（下丘水平）

Transverse section of the midbrain at the level of the inferior colliculus

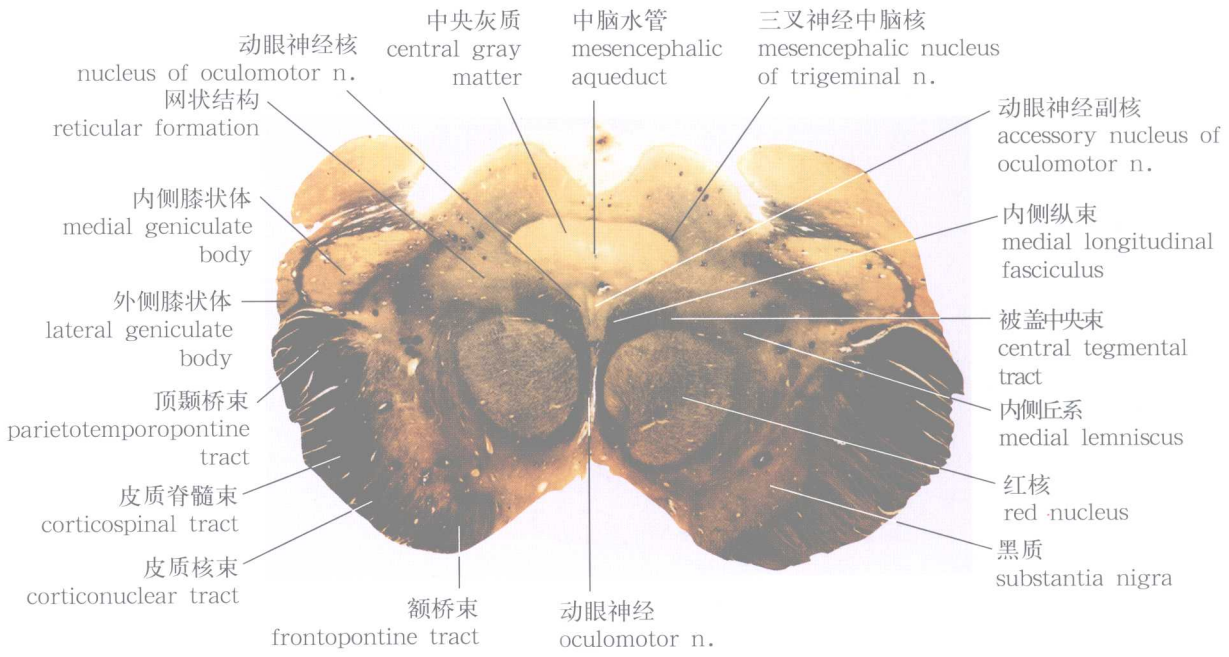


图 376 中脑横切面（上丘水平）

Transverse section of the midbrain at the level of the superior colliculus

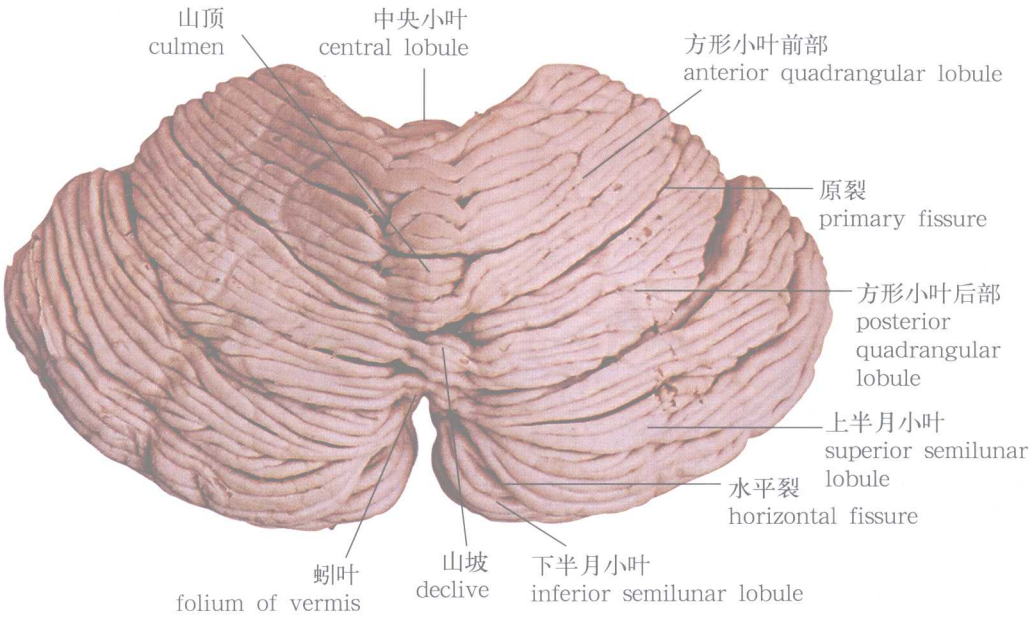


图 377　小脑（上面观）

The cerebellum (superior aspect)

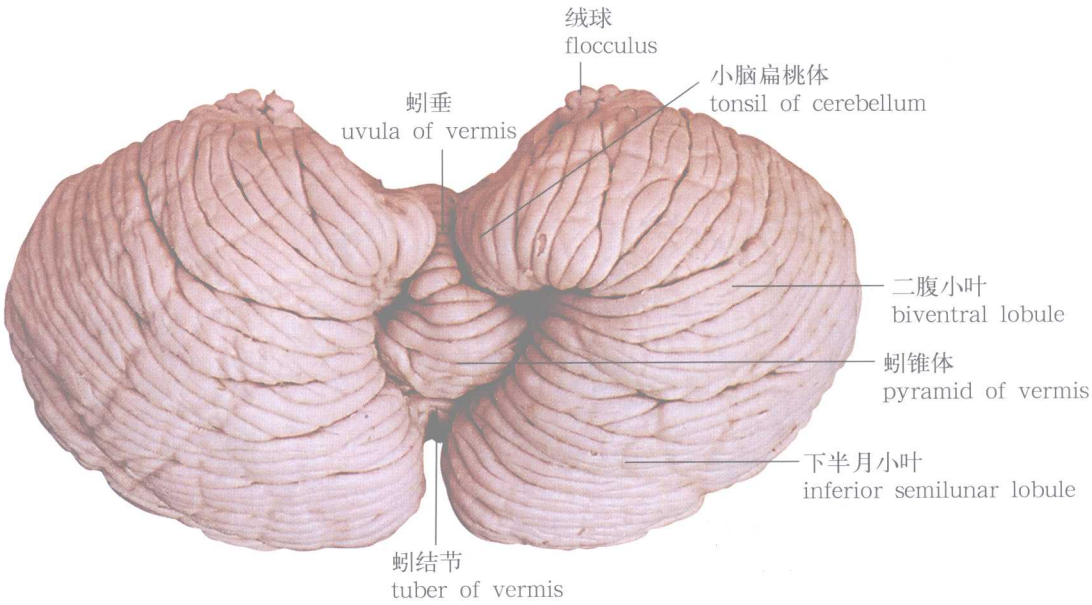


图 378　小脑（下后面观）

The cerebellum (posteroinferior aspect)

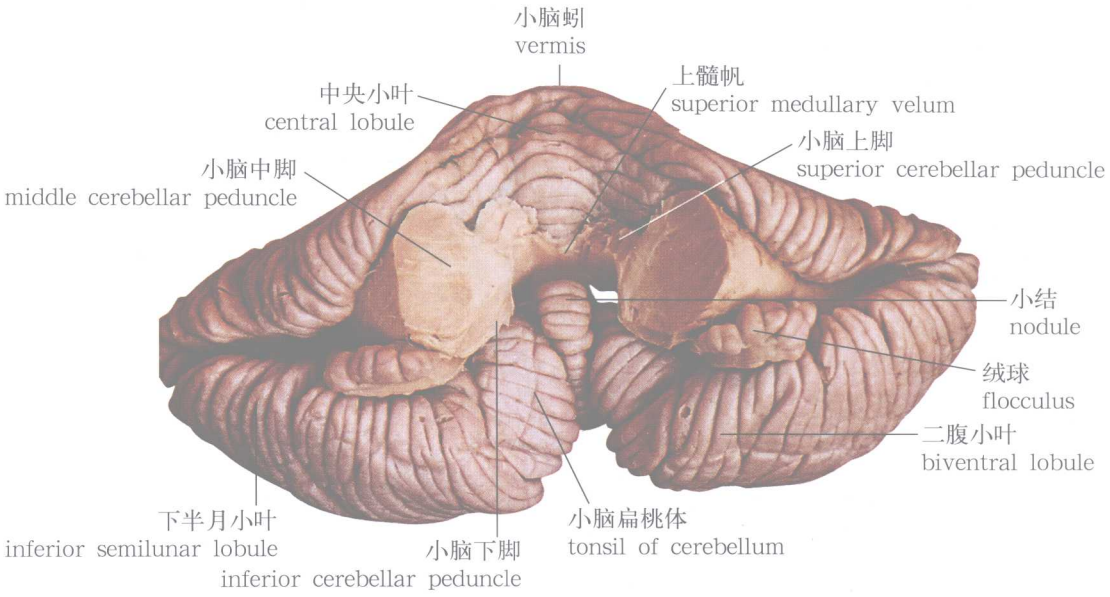


图 379 小脑（下前面观）

The cerebellum (anteroinferior aspect)

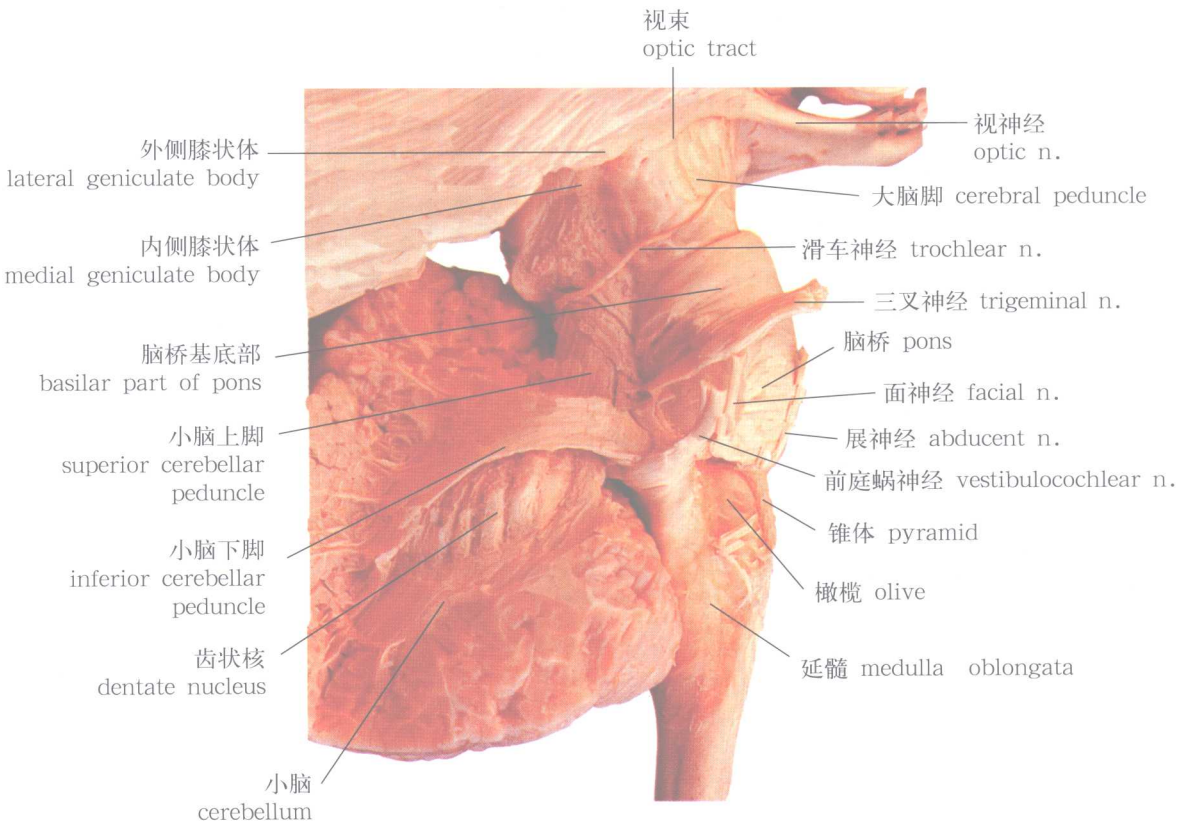


图 380 小脑脚

Cerebellar peduncle

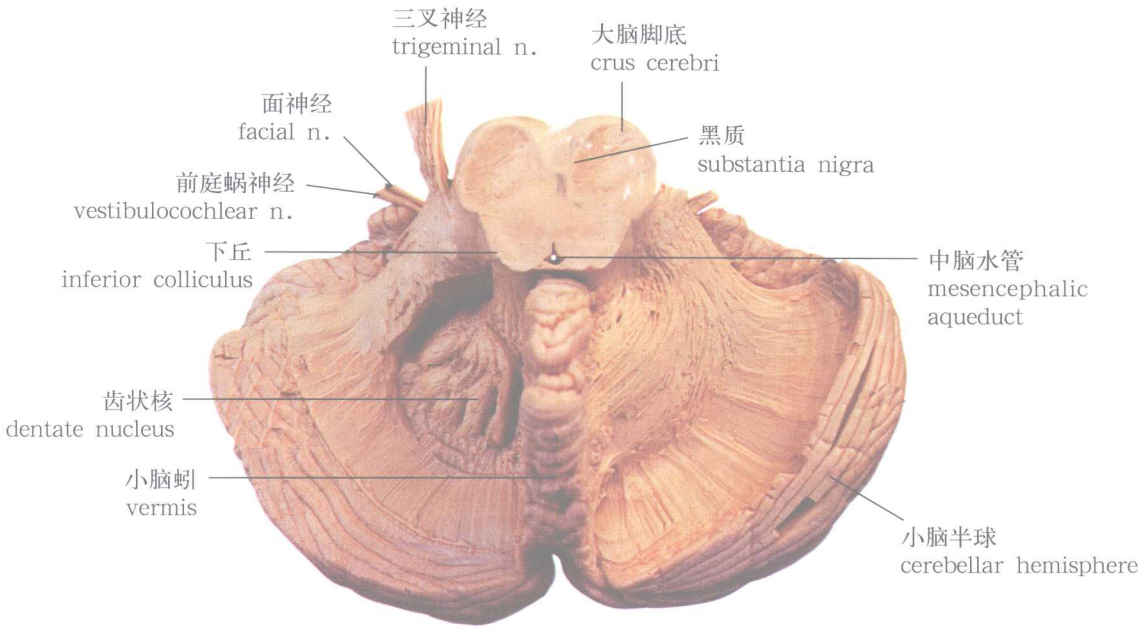


图 381　小脑的内部结构

The internal structure of the cerebellum

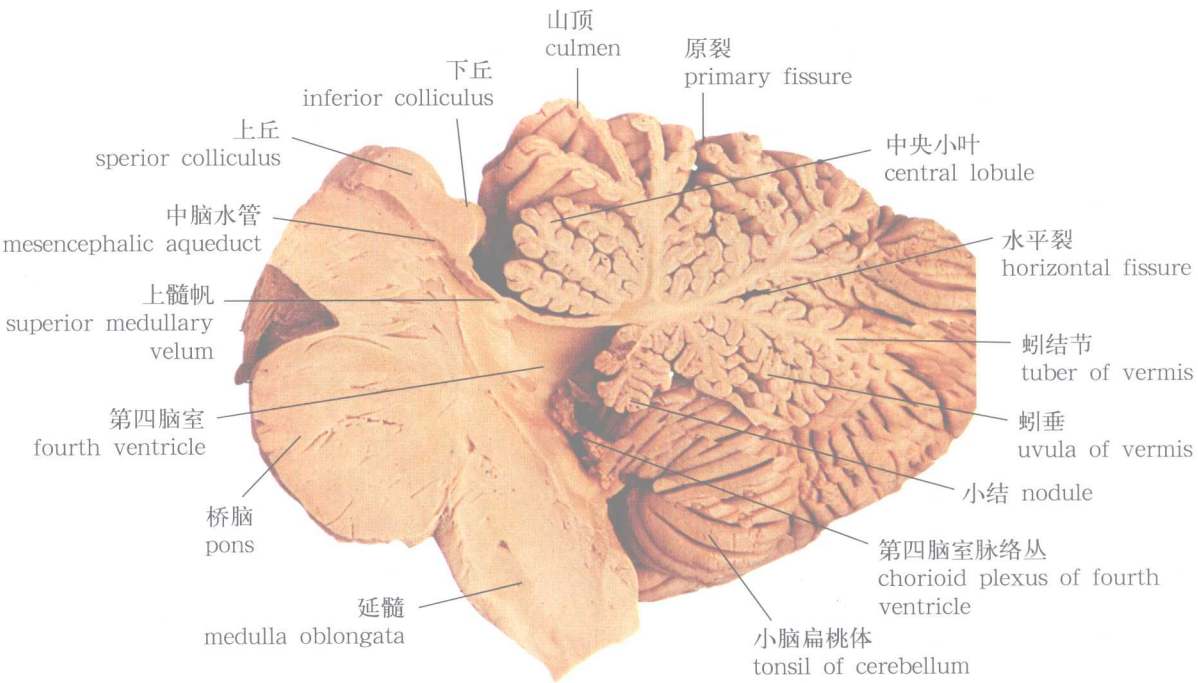


图 382　小脑的正中矢状切面

The cerebellum (median sagittal section)

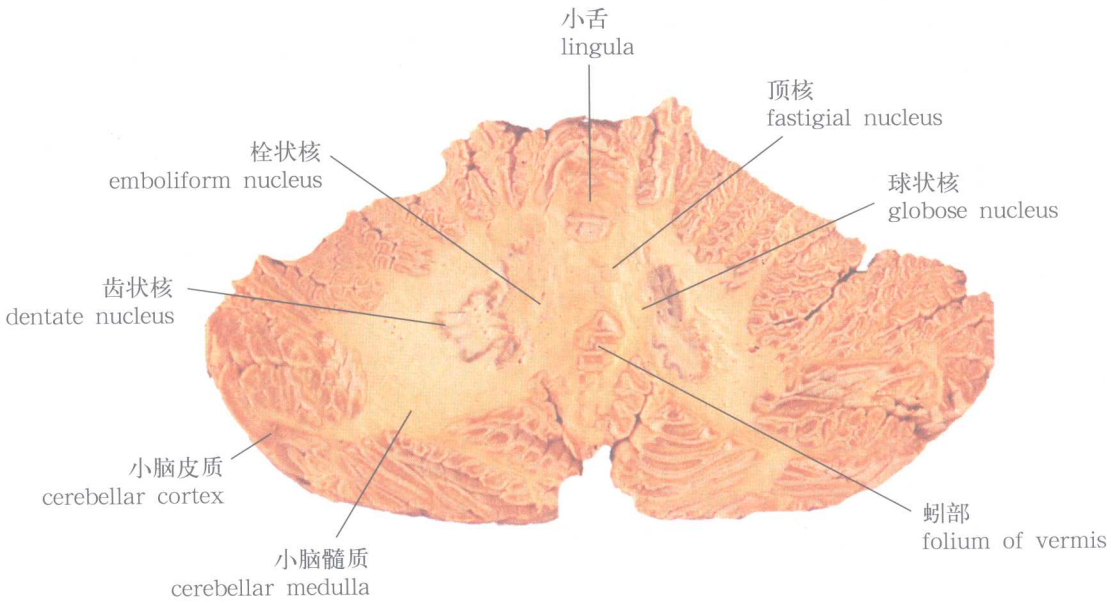


图 383　小脑横切面

The transverse section of the cerebellum

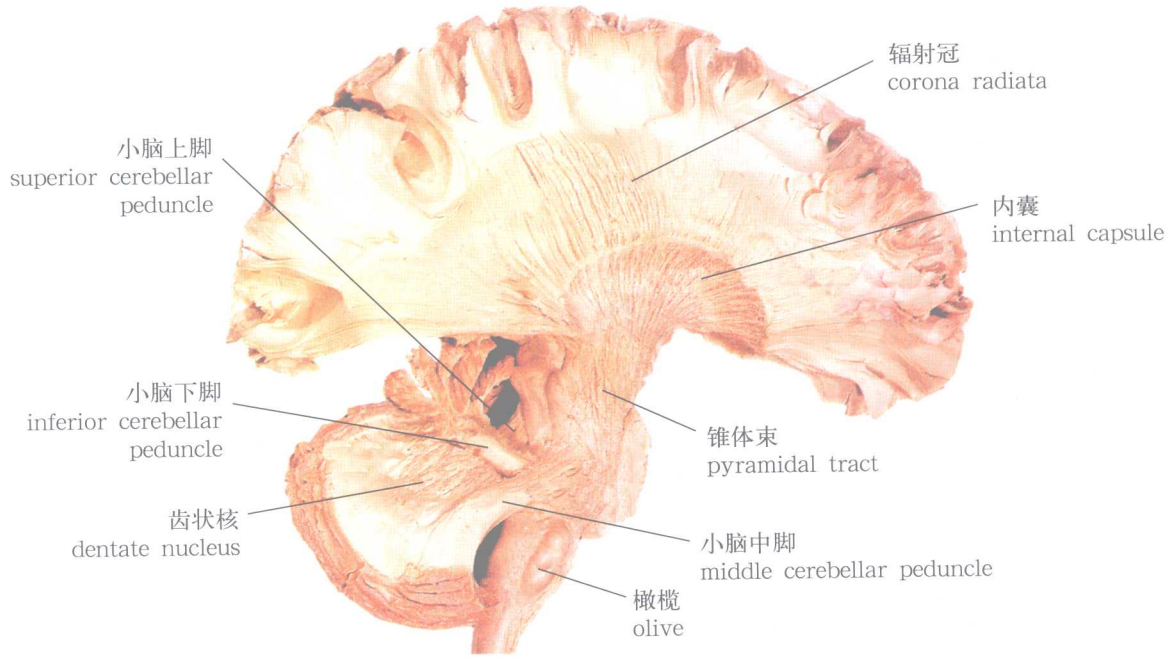


图 384　小脑脚及锥体束

The cerebellar peduncle and pyramidal tract

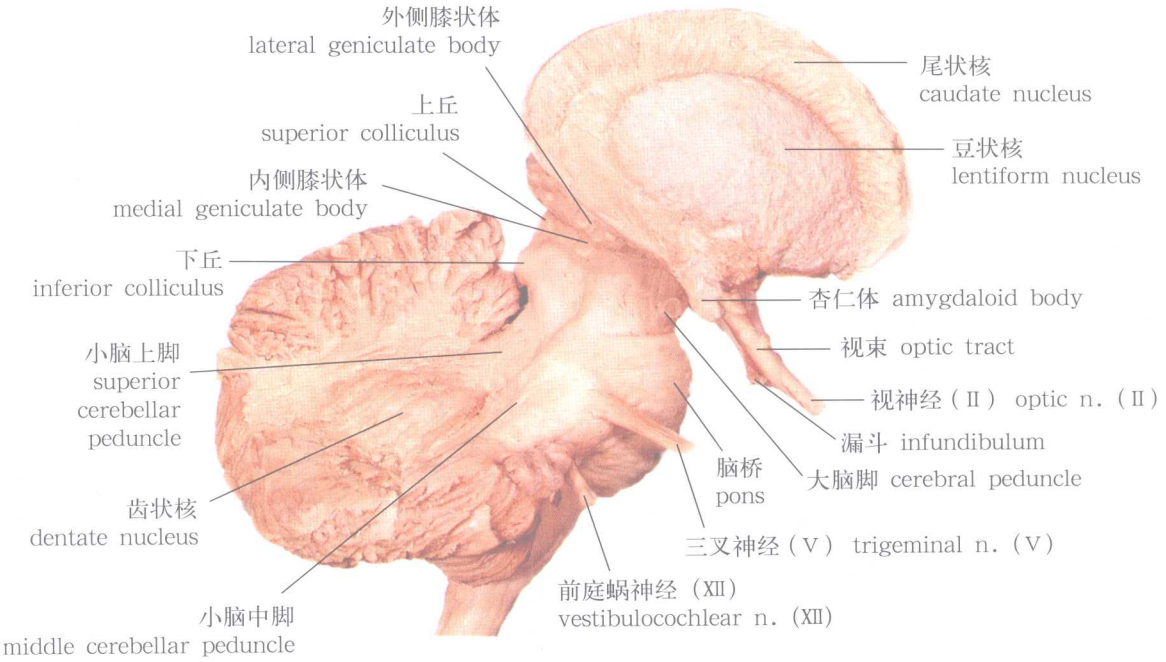


图 385　基底核和脑干

The basal nuclei and brain stem

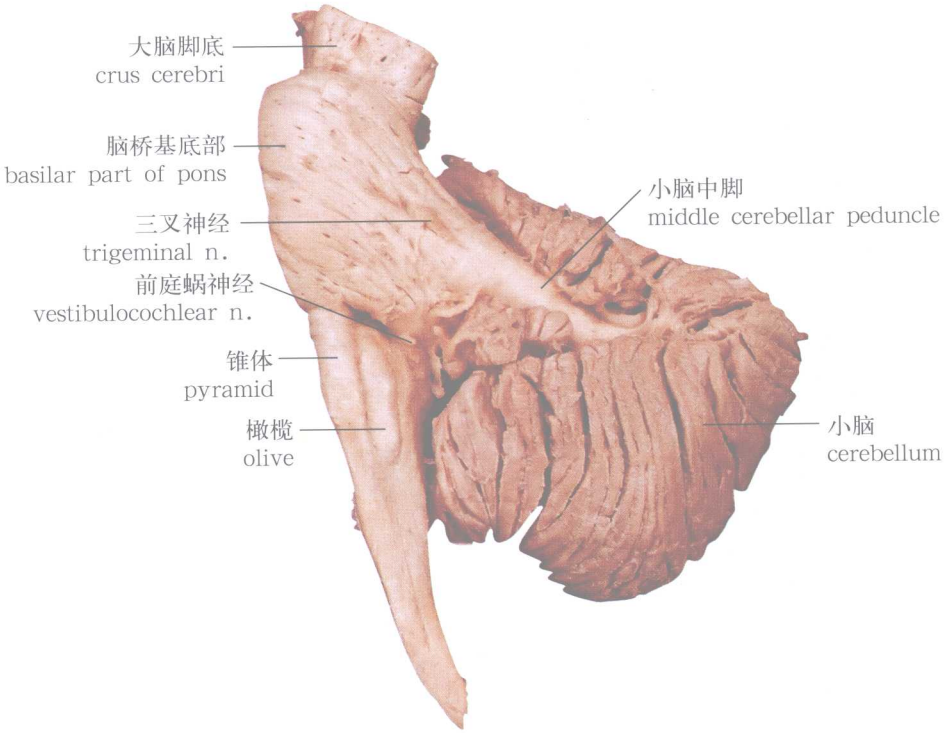


图 386　脑干及小脑（侧面观 1）

The brain stem and cerebellum (lateral aspect 1)

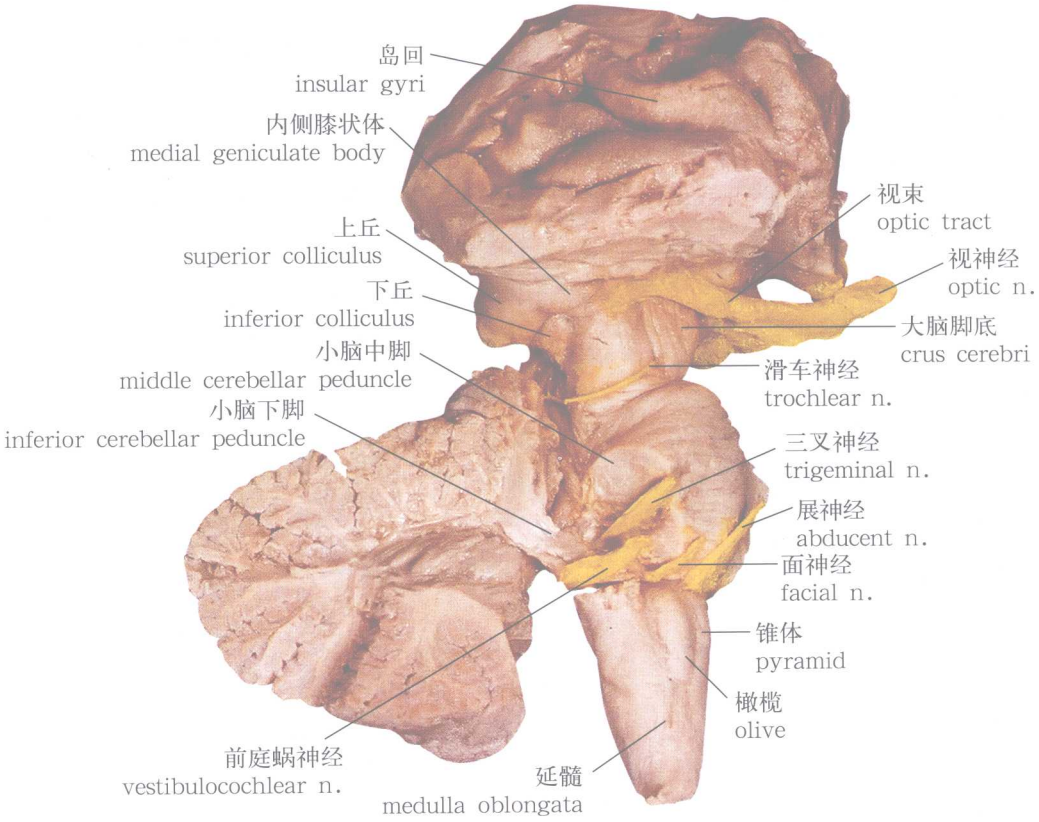


图 387　脑干及小脑（侧面观 2）

The brain stem and cerebellum (lateral aspect 2)

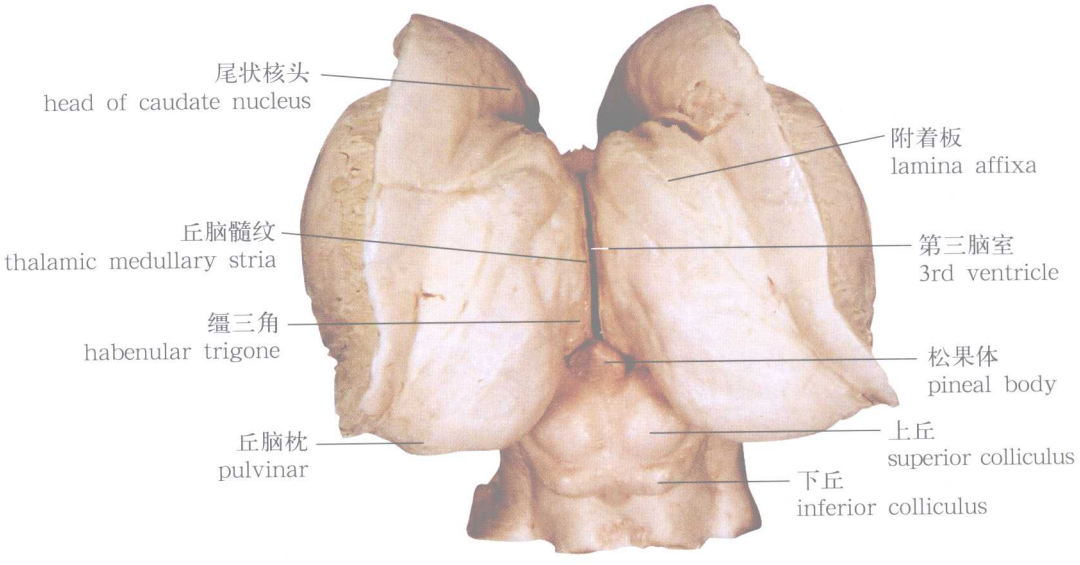


图 388　间脑（背面观）

The diencephalon (dorsal aspect)

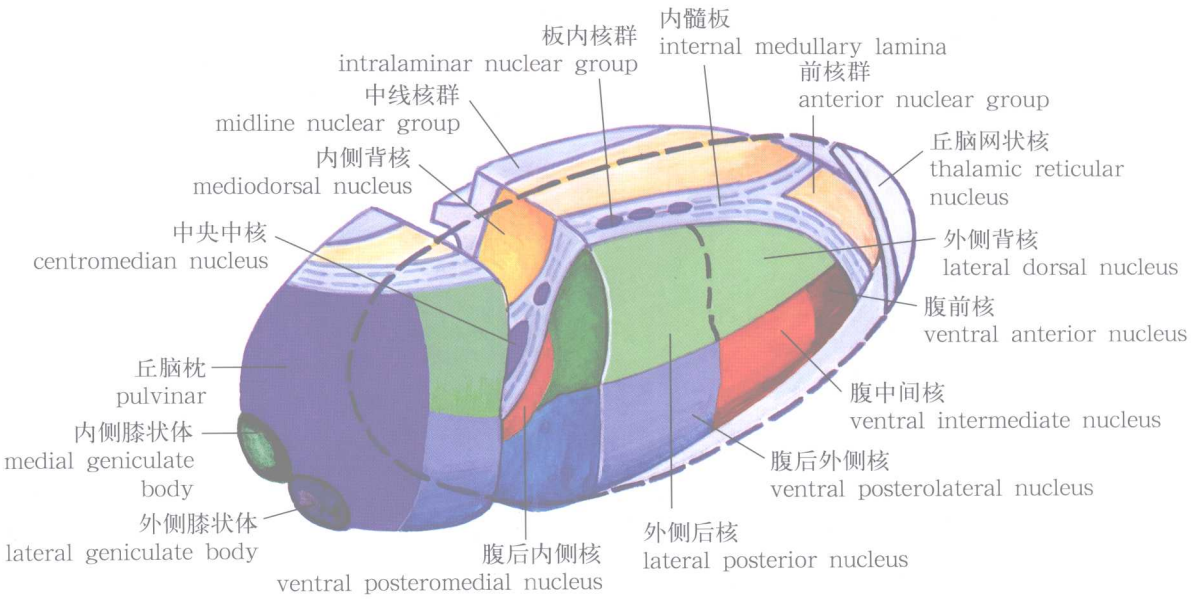


图 389　丘脑核团模式图

Diagram of the thalamic nuclei

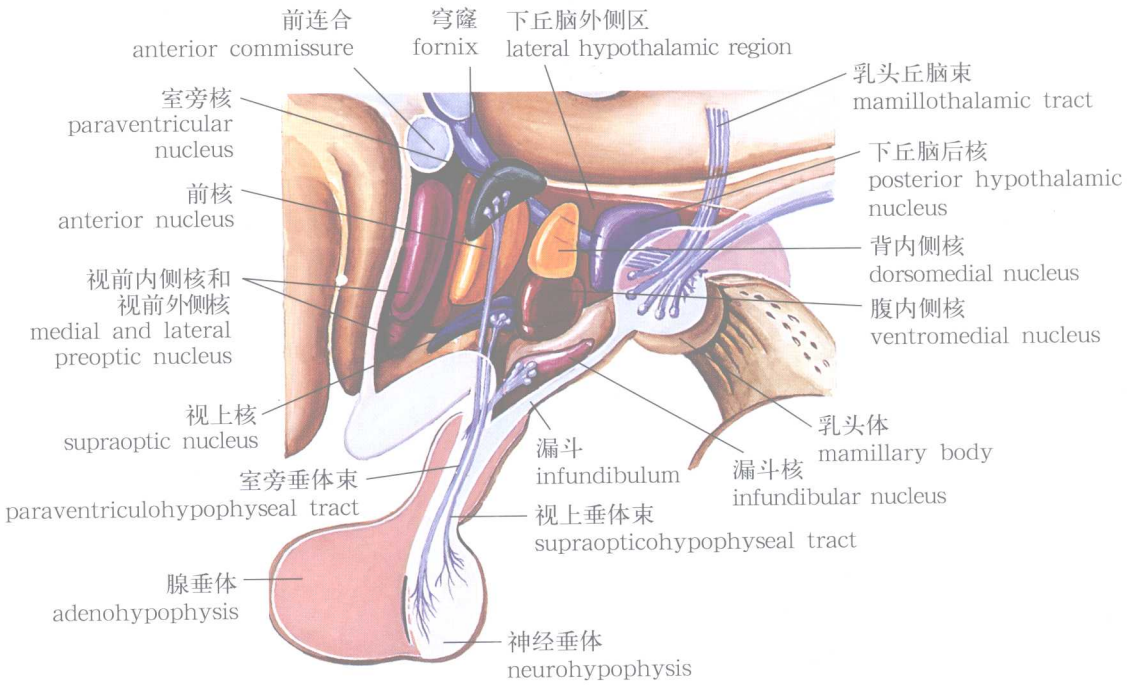


图 390　下丘脑核团模式图

Diagram of the hypothalamic nuclei

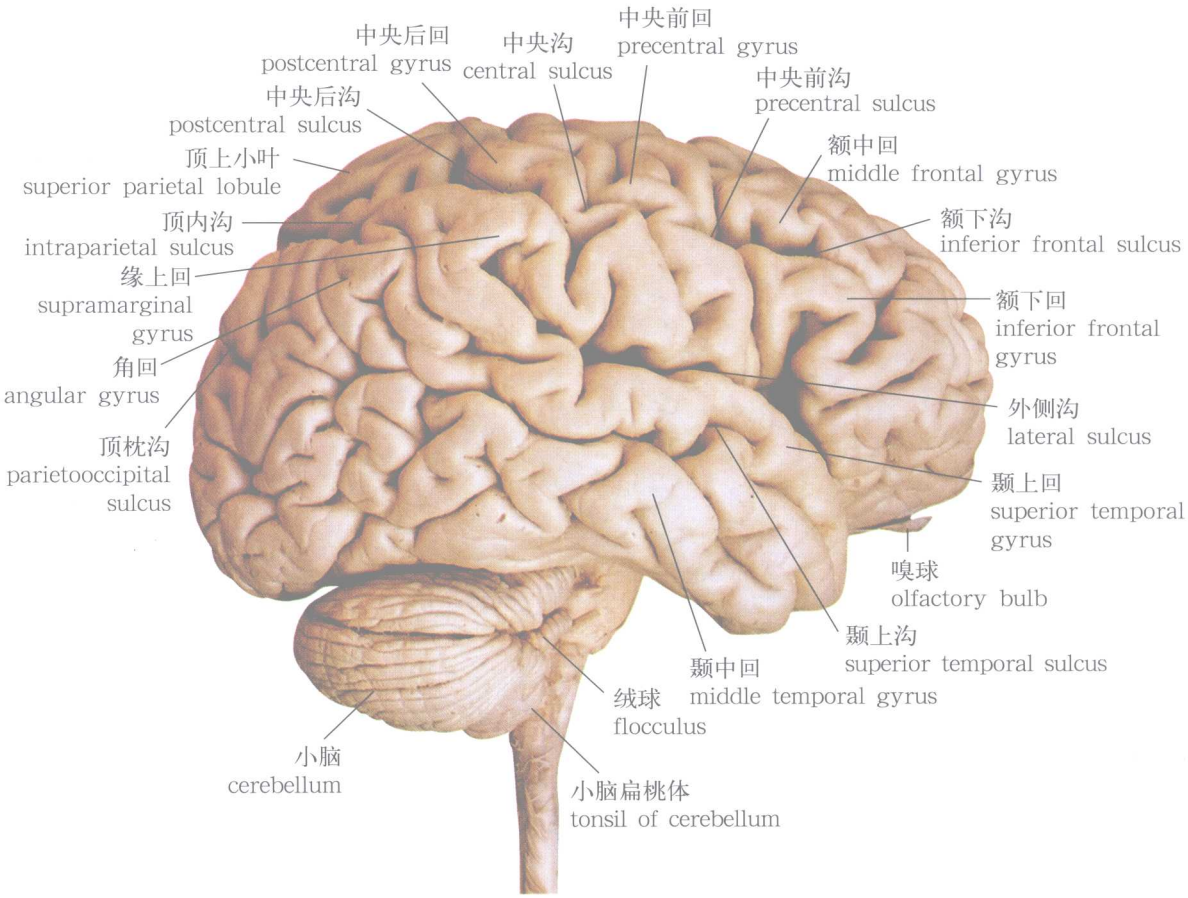


图 391　脑（外侧面观）

The brain (lateral aspect)

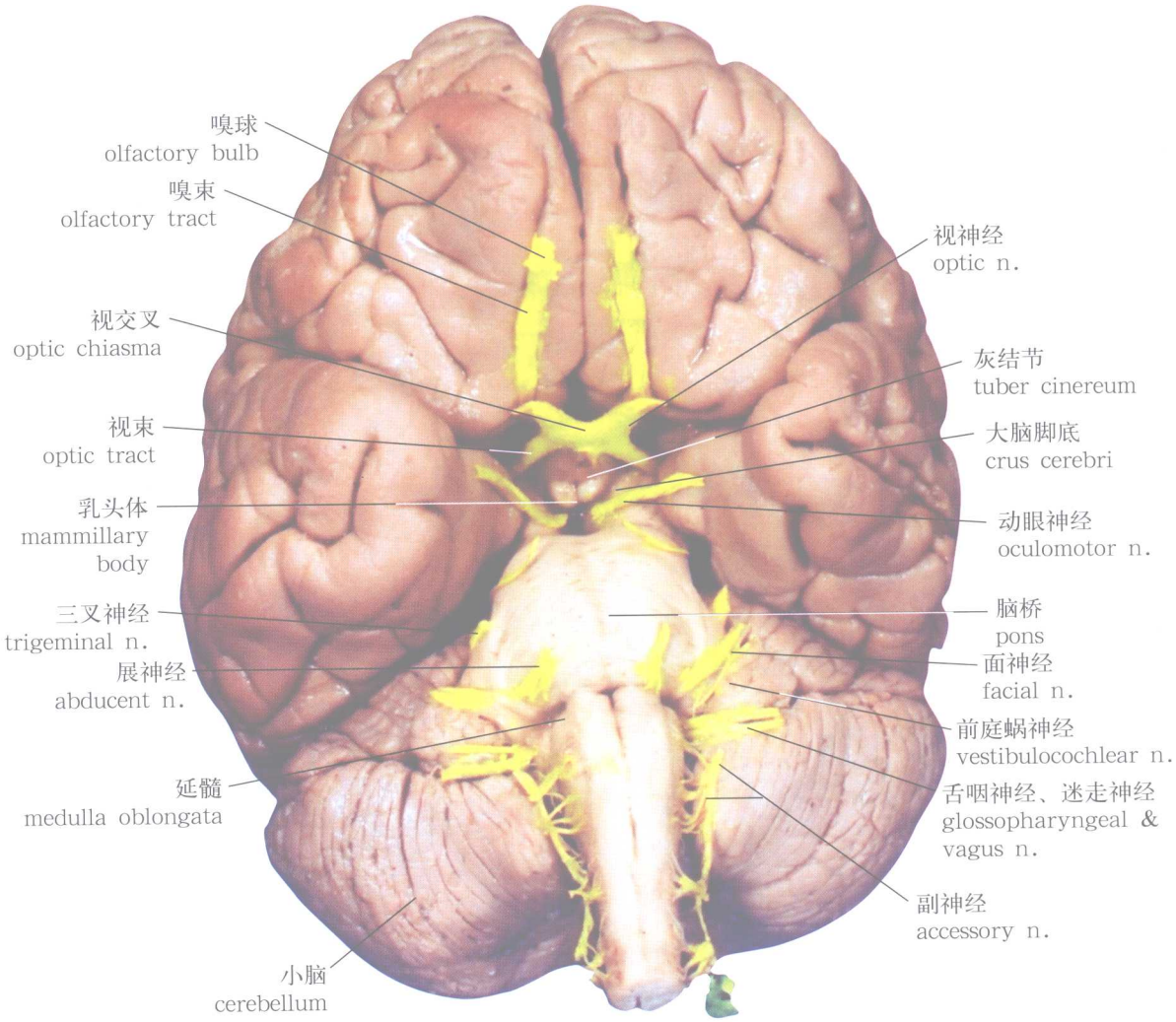


图 392 脑（底面观）

The brain (basal aspect)

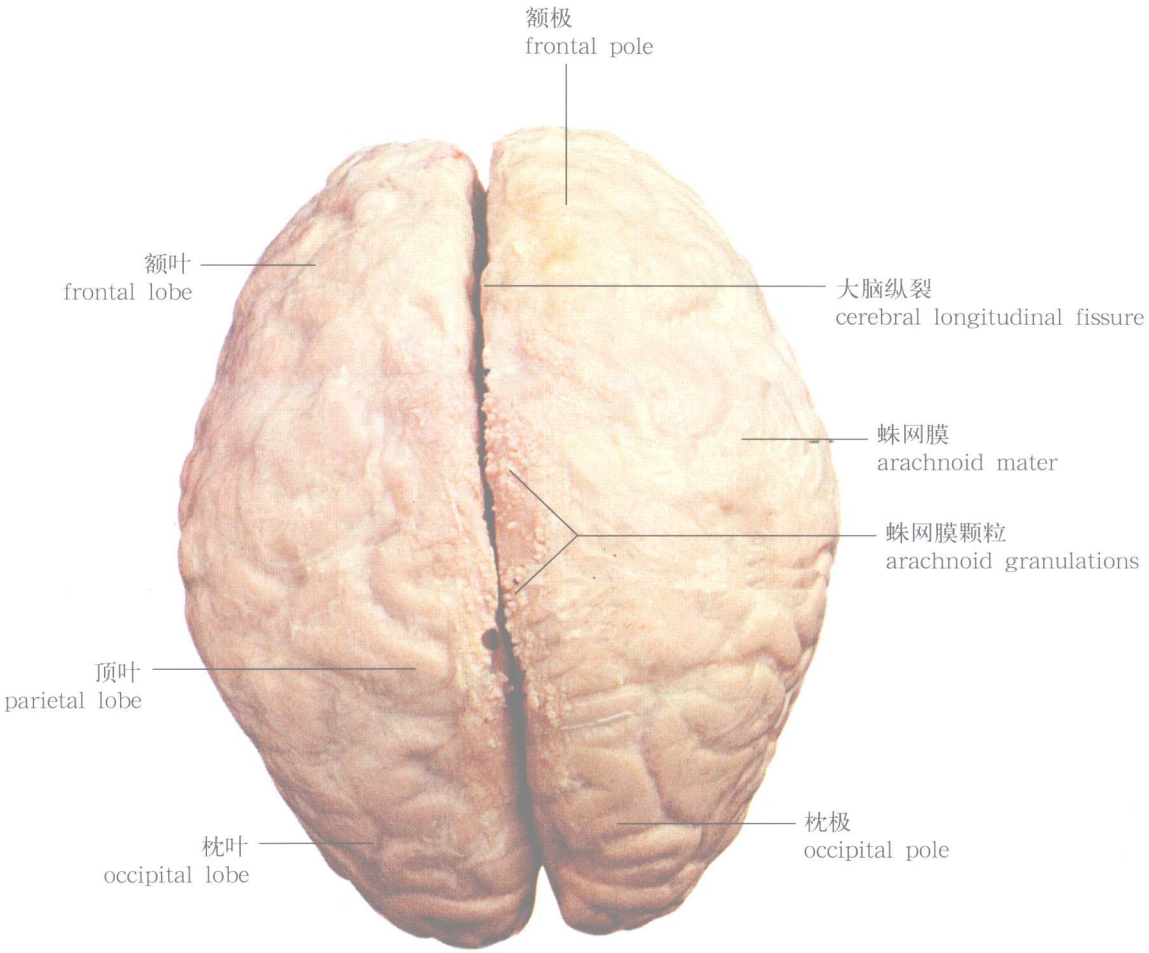


图 393　脑（顶面观）

The brain (superior aspect)

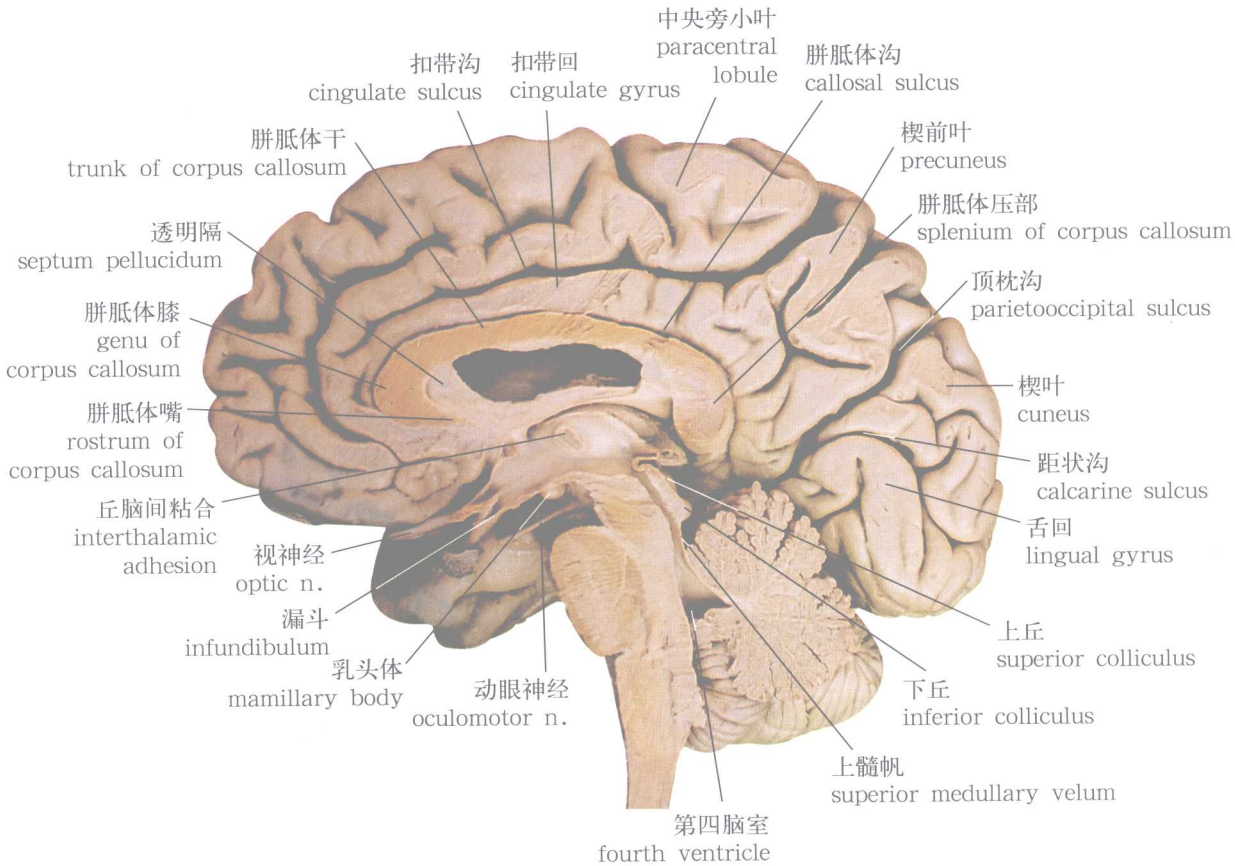


图 394　脑（正中矢状切面）

The brain (median sagittal section)

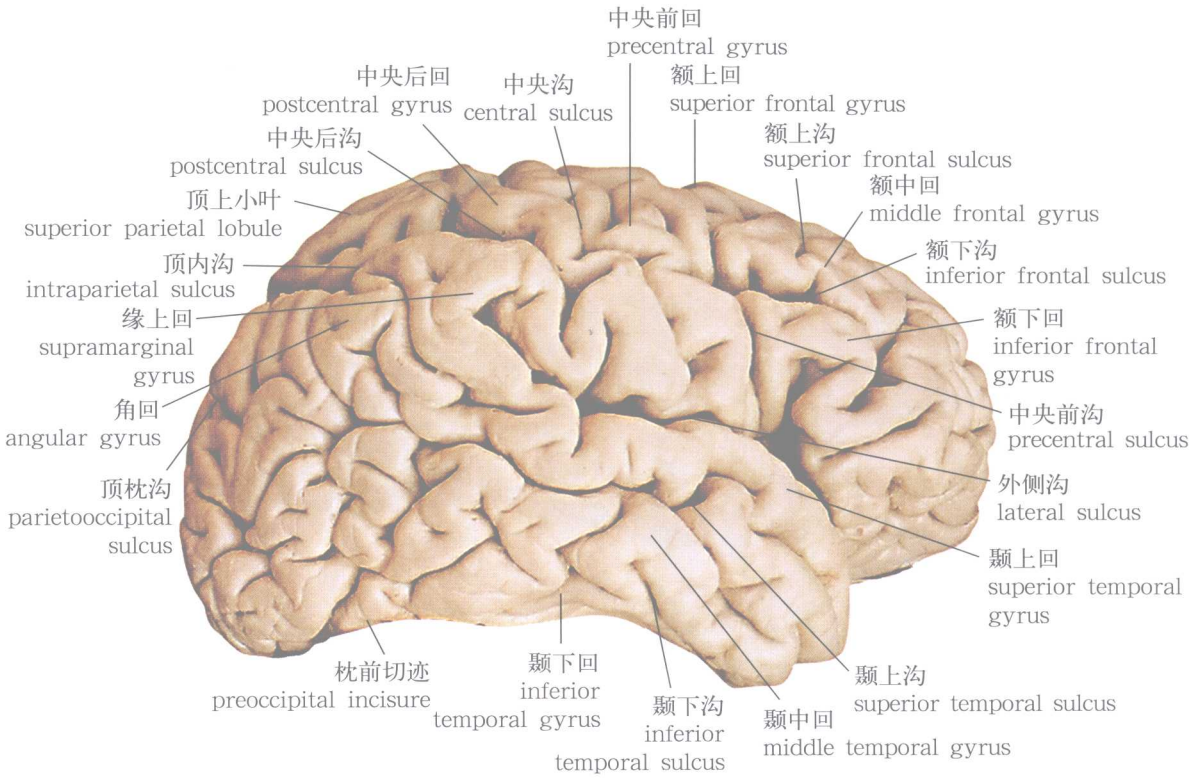


图 395　大脑半球（上外侧面观）

The cerebral hemisphere (superolateral aspect)

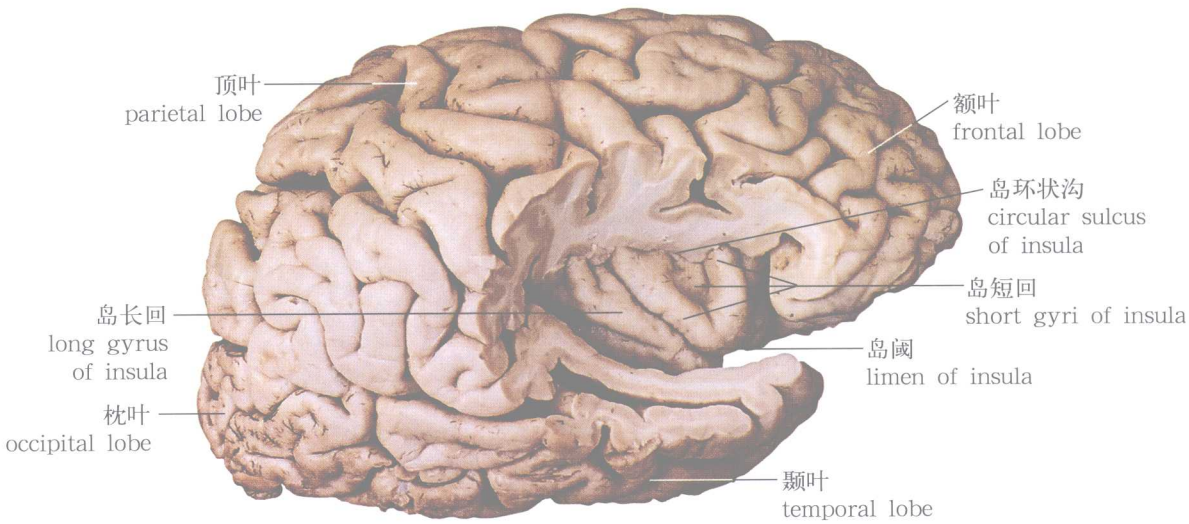


图 396　岛叶

The insular lobe

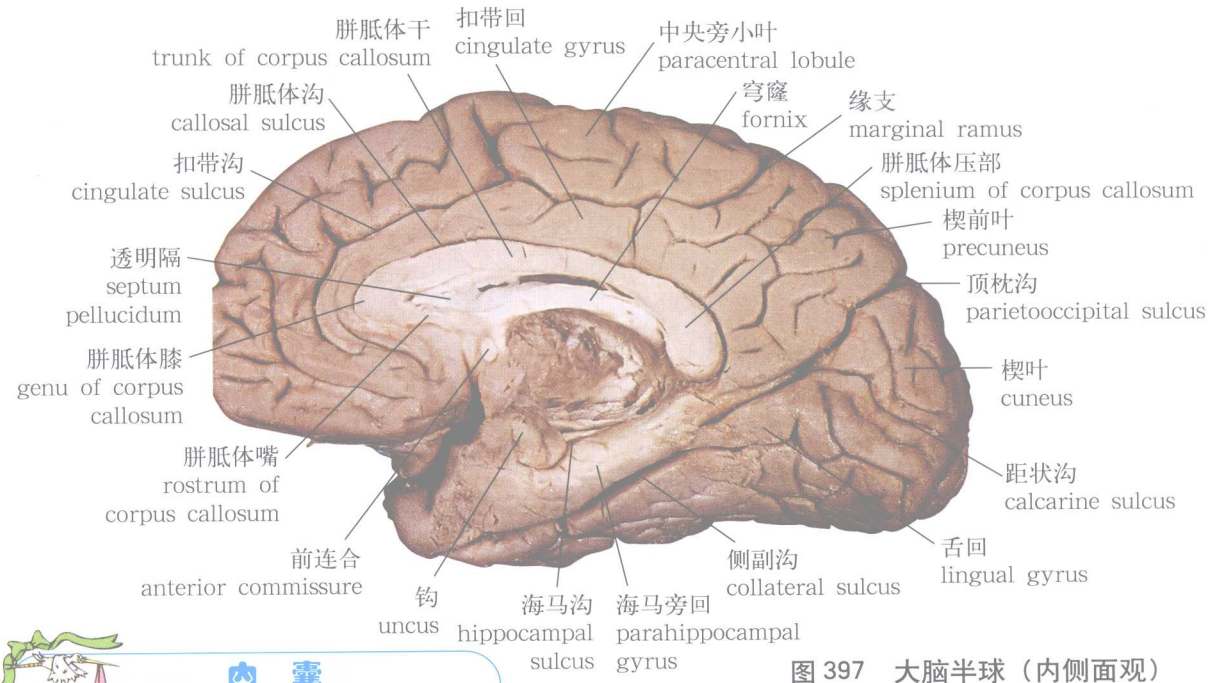


图 397　大脑半球（内侧面观）

The cerebral hemisphere (medial aspect)

内　囊

内囊并非真是囊，交通纤维聚此方，
丘尾与豆之间是，前后二脚膝中央，
尾头豆间称前脚，豆丘之间后脚藏，
皮质脑干束过膝，皮质脊髓束后方，
丘脑皮质束稍后，视听辐射最后方，
一侧损伤可三偏，感动不能加偏盲。

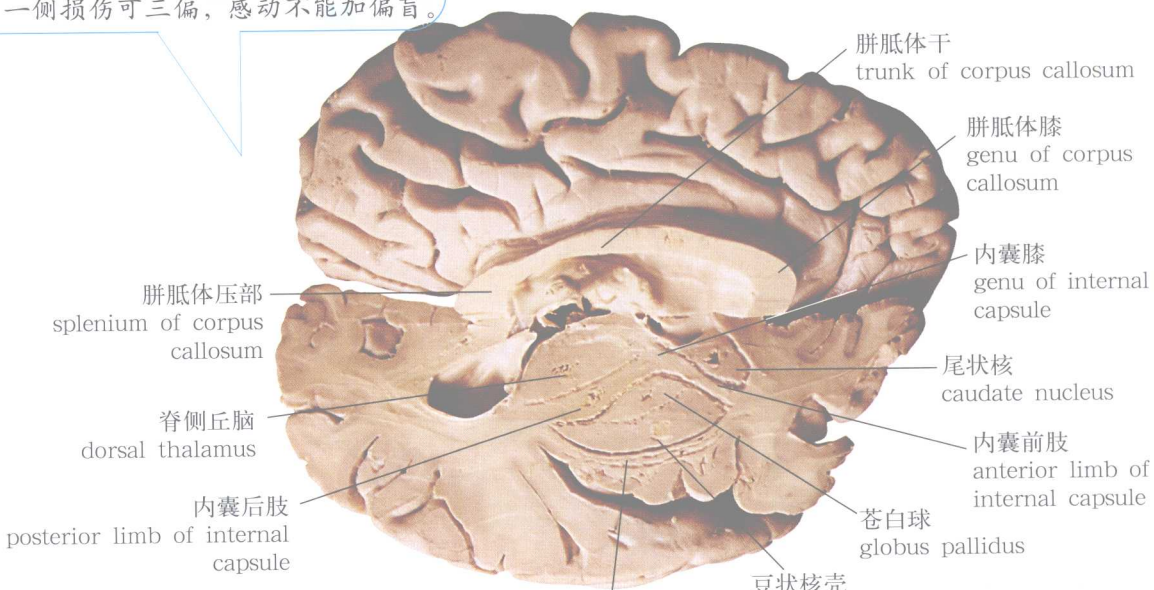


图 398　内囊及基底核

The internal capsule and basal nuclei

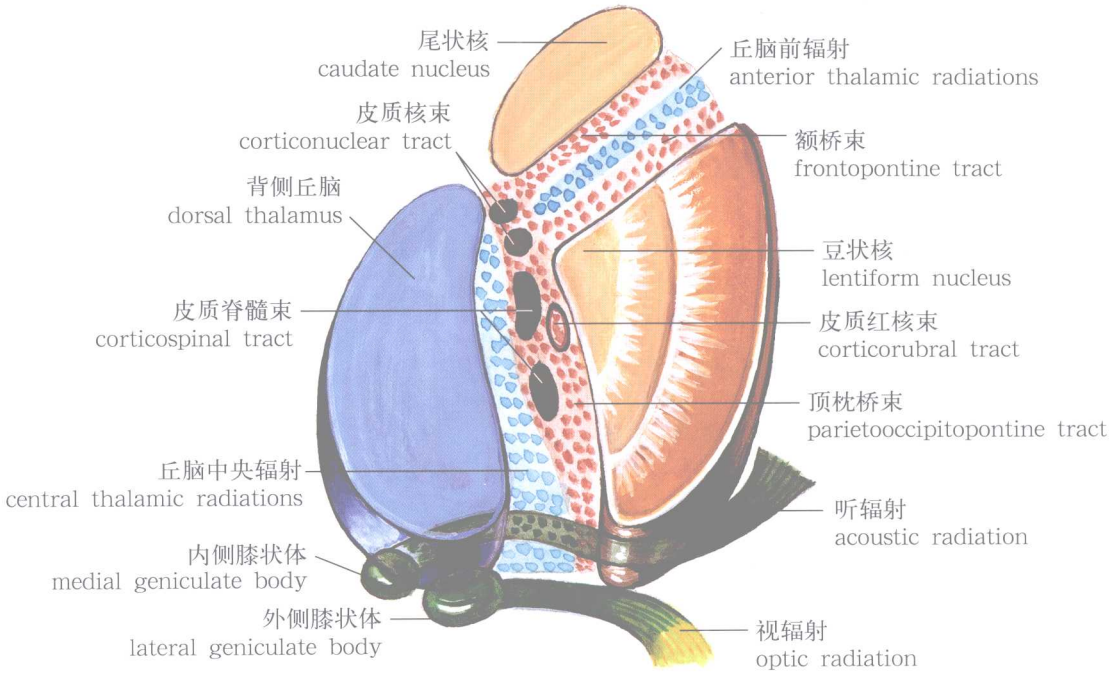


图 399　内囊模式图

Diagram of the internal capsule

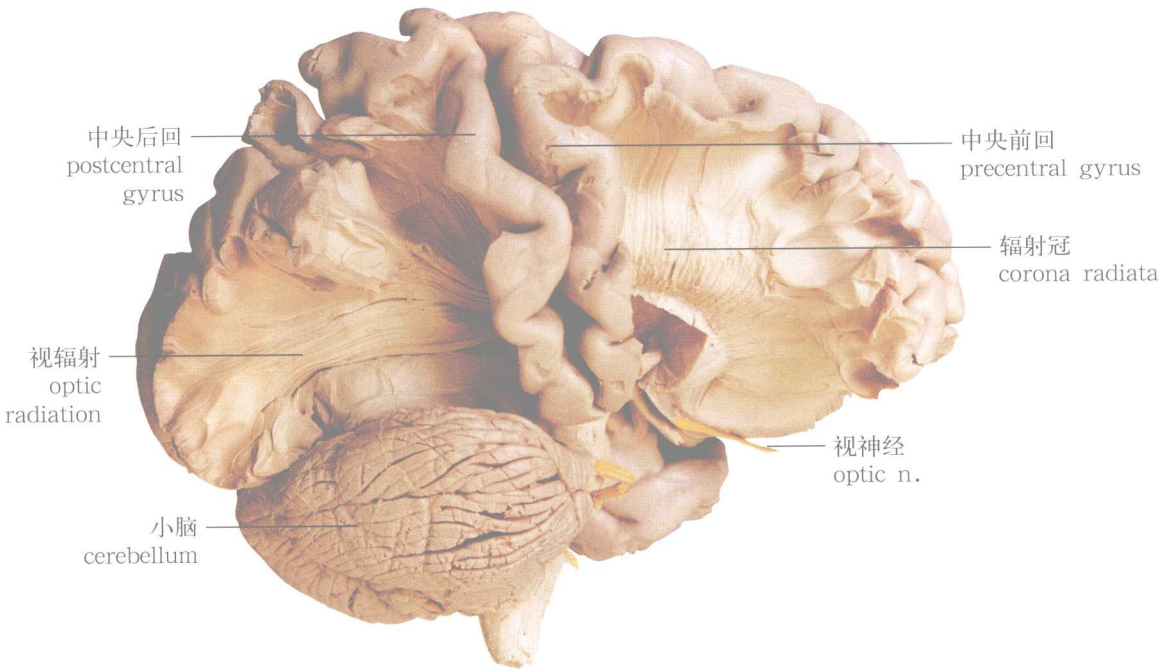


图 400　辐射冠

The corona radiata

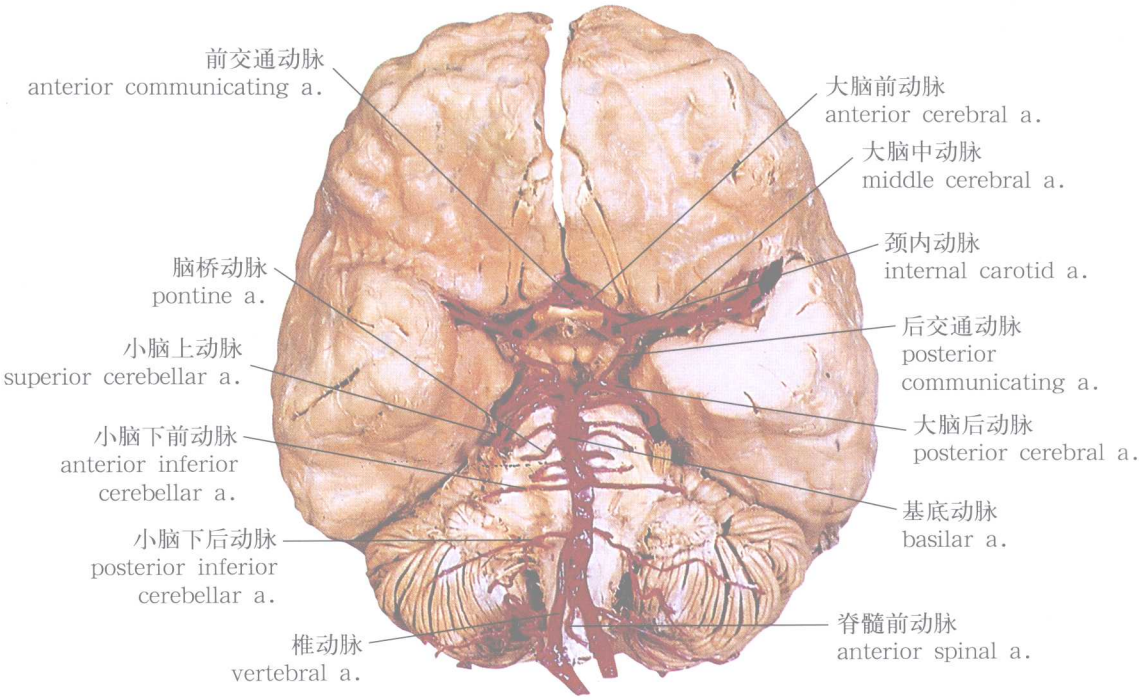


图 401　脑底动脉

Arteries at the base of the brain

大脑动脉环

大脑动脉构成环，
前中后由交通连，
沟通颈内和椎基底，
血流阻断互代偿。

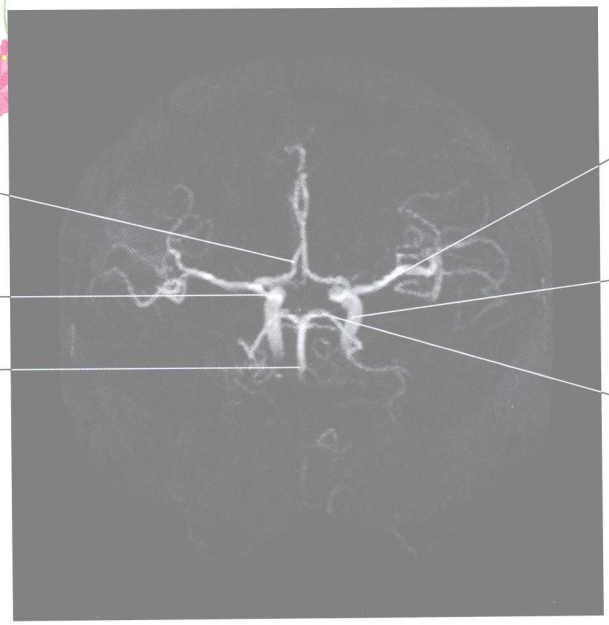


图 402　脑底动脉 MRI

MRI of the arteries at the base of the brain

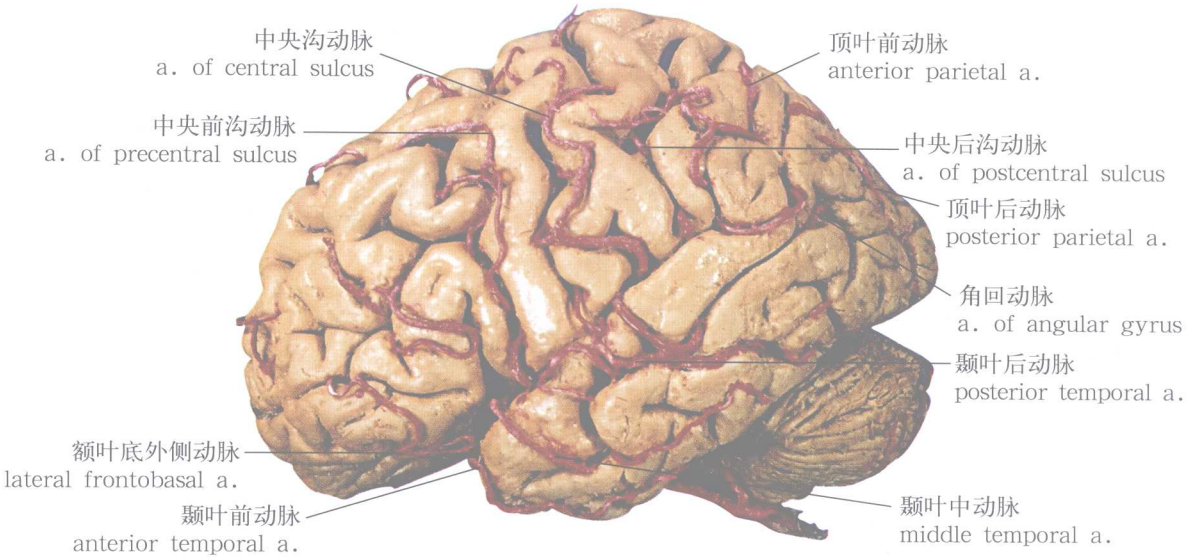


图 403　大脑半球外侧面动脉

Arteries of the lateral surface of the cerebral hemisphere

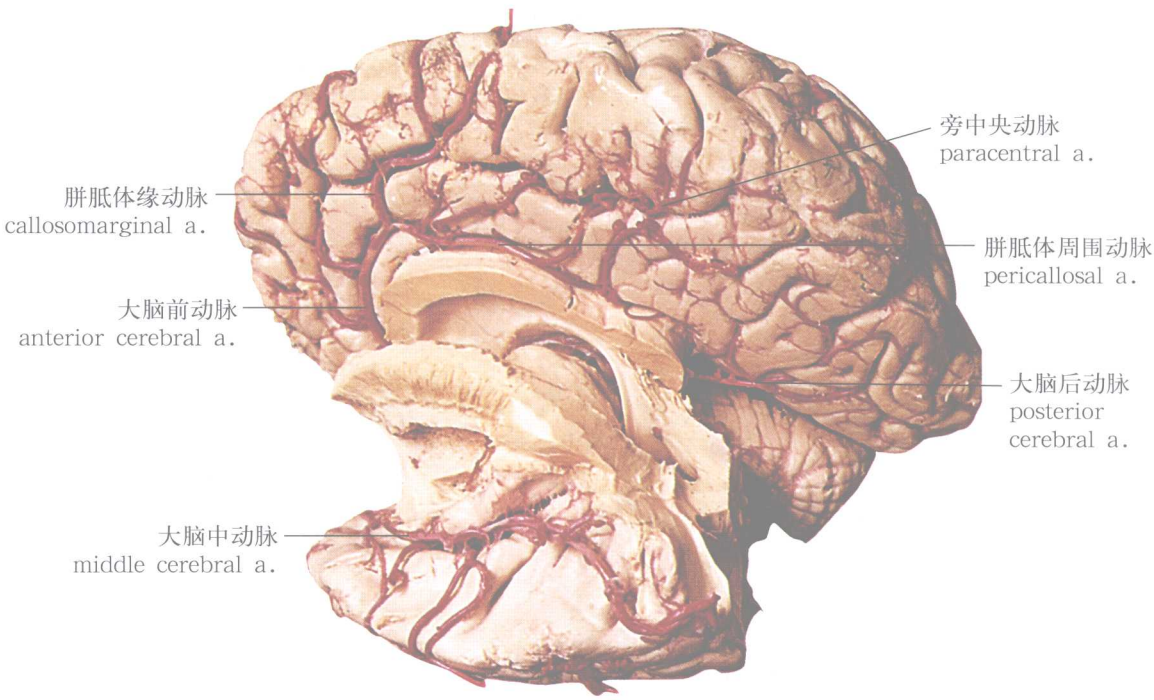


图 404　大脑半球内侧面动脉

Arteries of the medial surface of the cerebral hemisphere

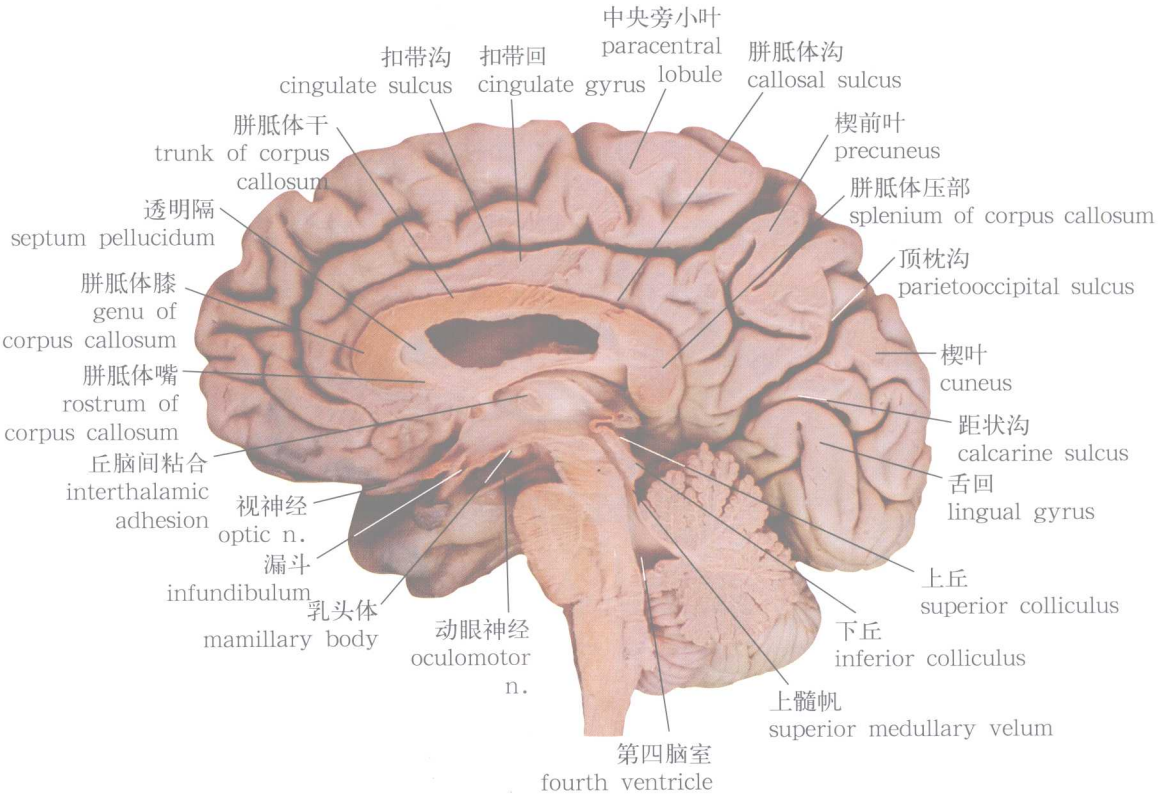


图 405　脑正中矢状面(A、B)

The brain (median sagittal seetion)

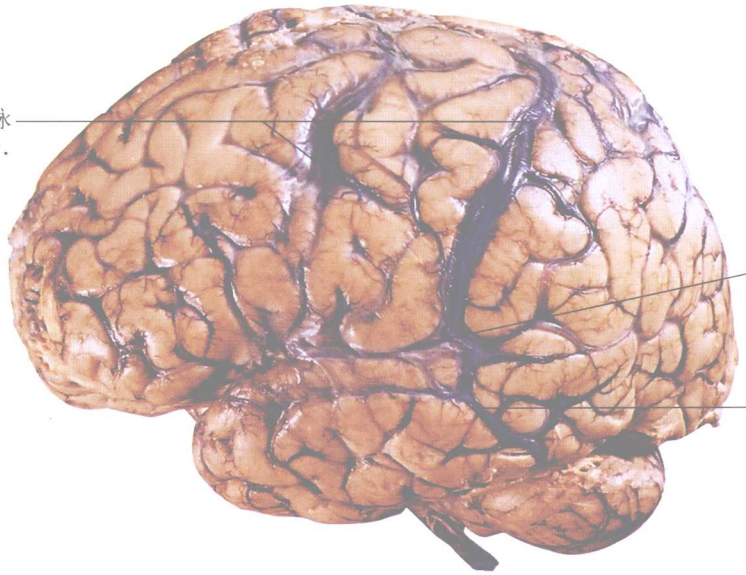


图 406　大脑半球外侧面静脉

Veins of the lateral surface of the cerebral hemisphere

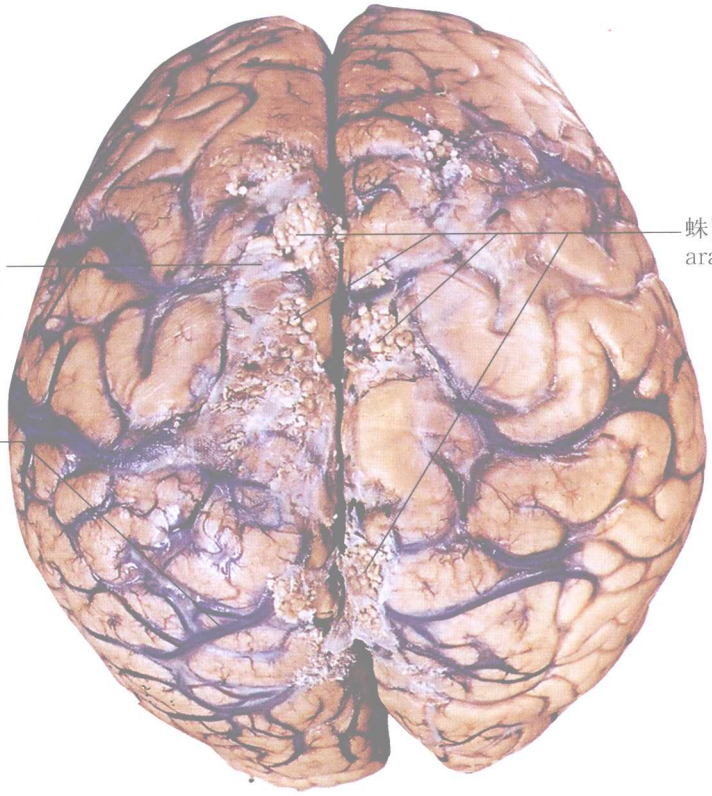


图 407　蛛网膜粒

The arachnoid granulations

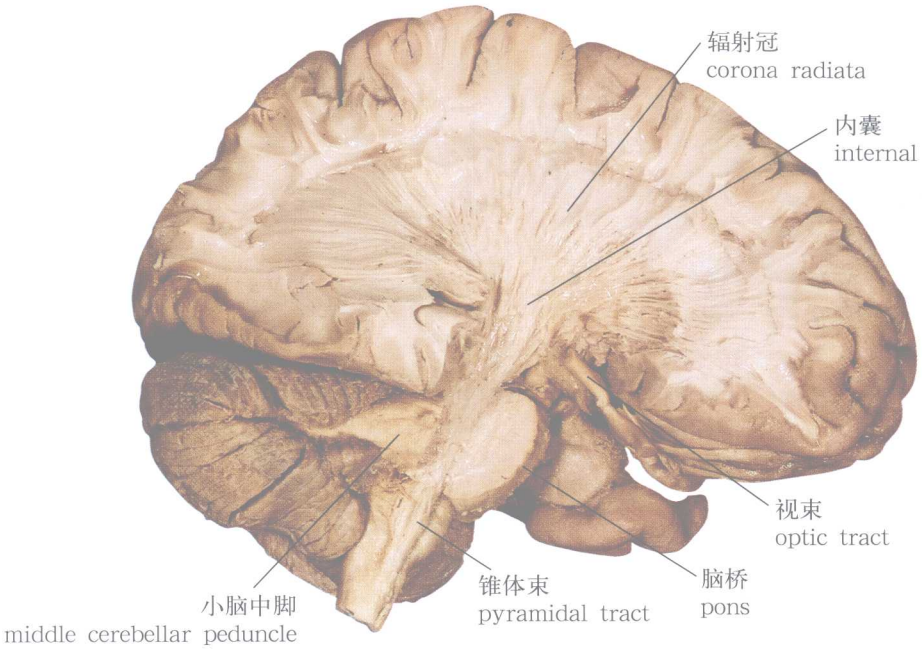


图 408　锥体束

The pyramidal tract

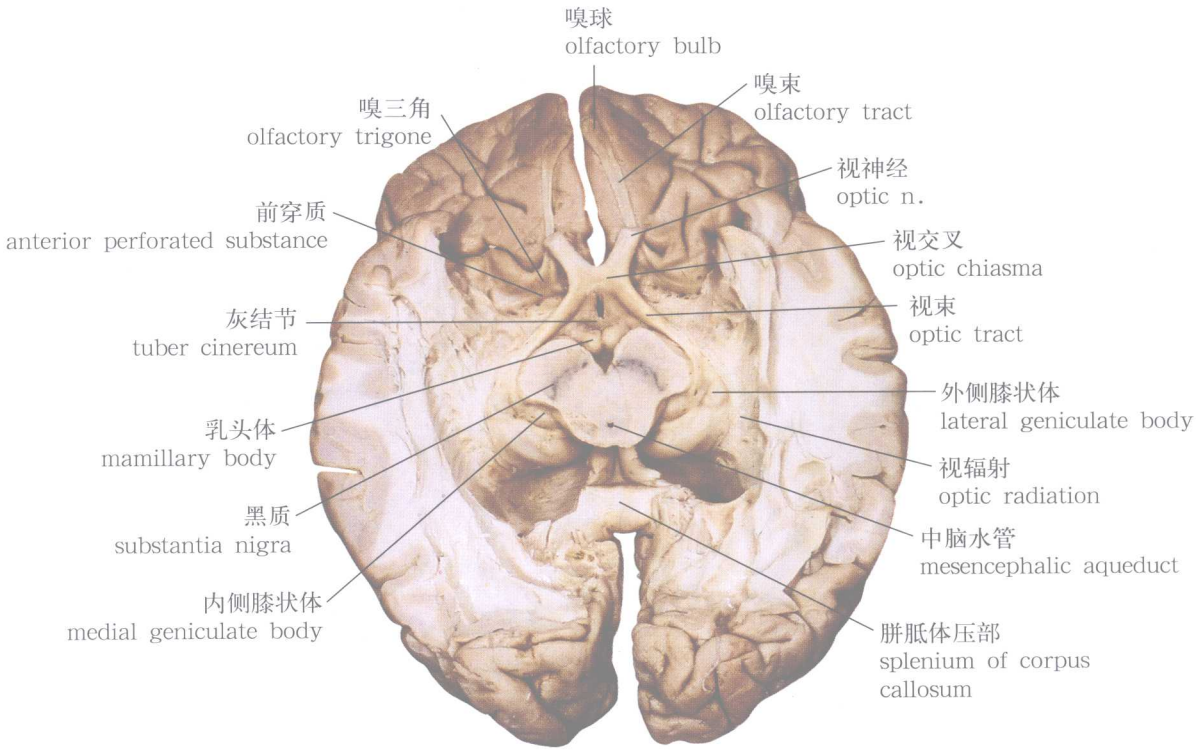


图 409　视束及视辐射

The optic tract and optic radiation

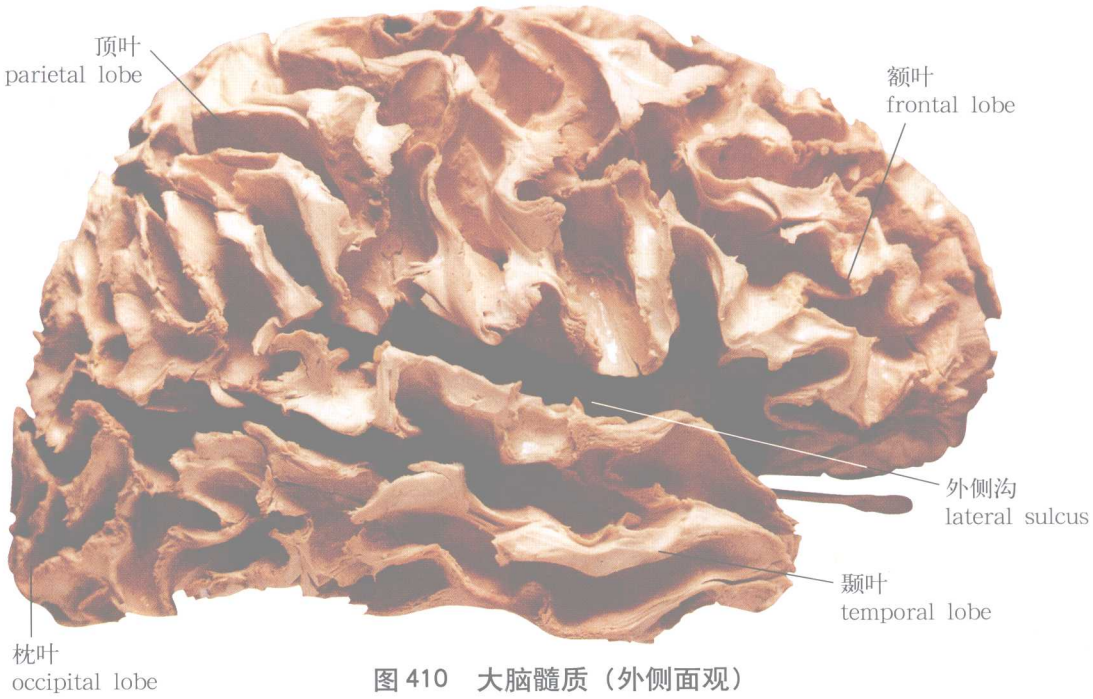


图 410　大脑髓质（外侧面观）

The cerebral medullary substance (lateral aspect)

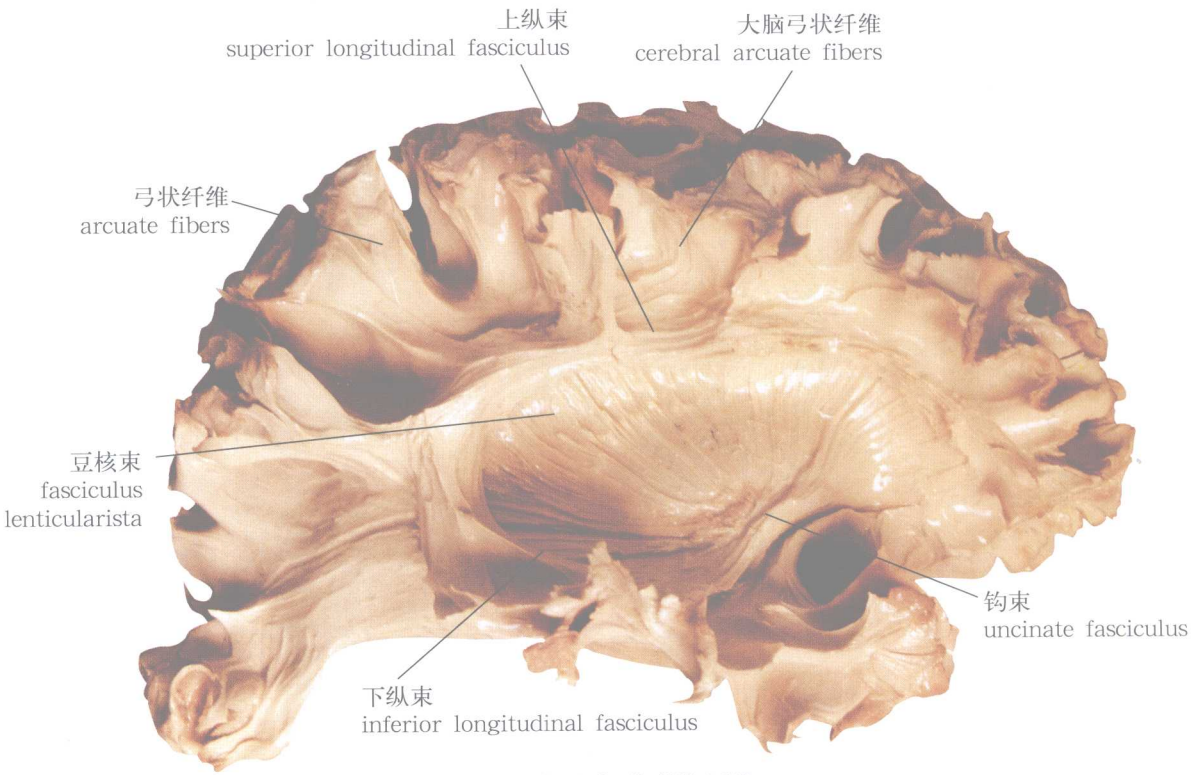


图 411　大脑半球联络纤维

Association fibers of the cerebral hemisphere

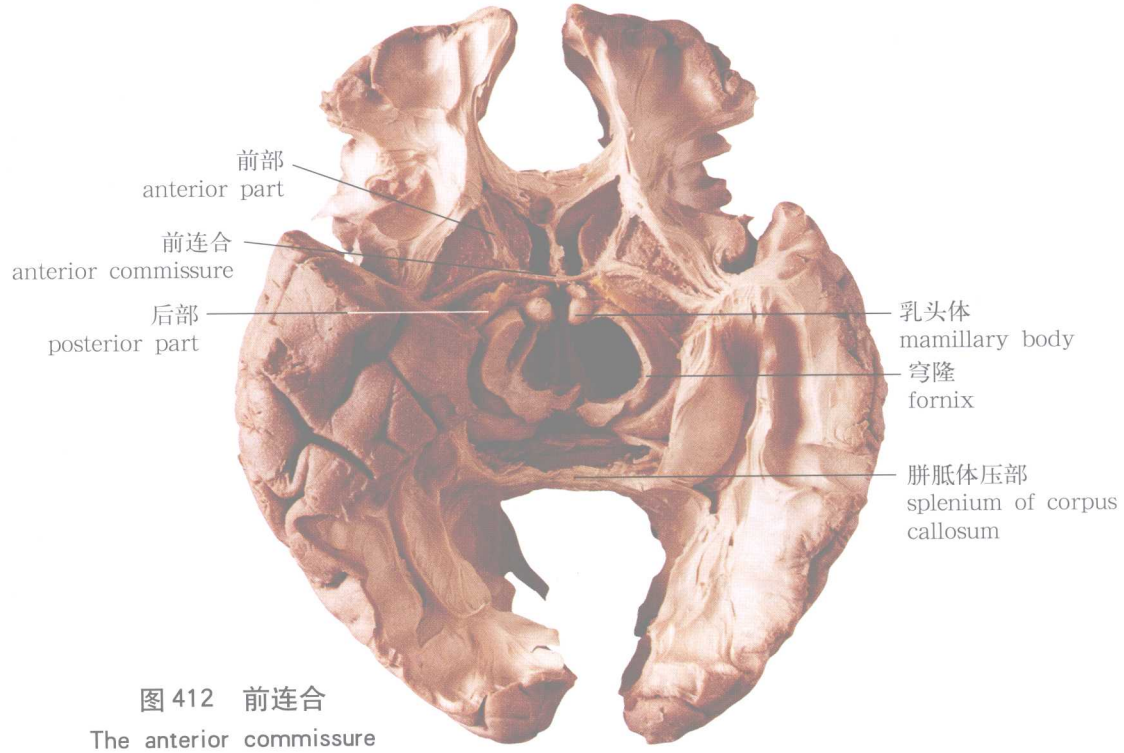


图 412　前连合

The anterior commissure

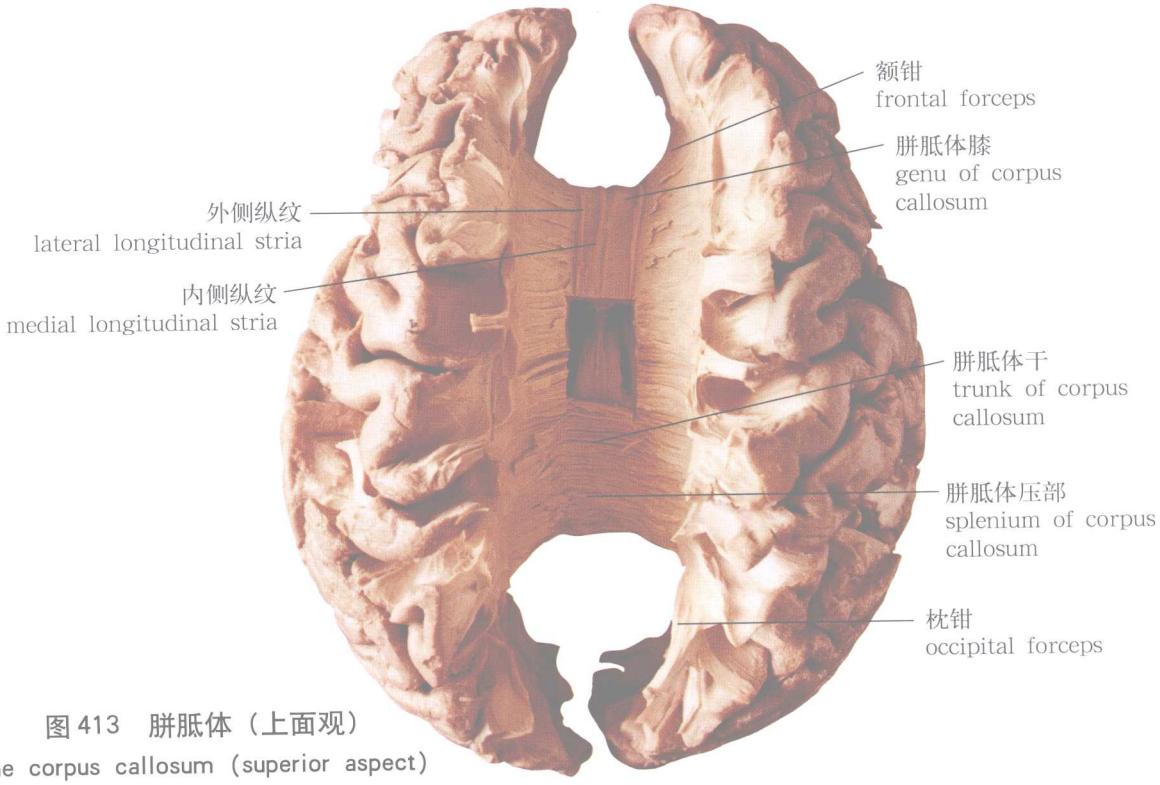


图 413　胼胝体（上面观）

The corpus callosum (superior aspect)

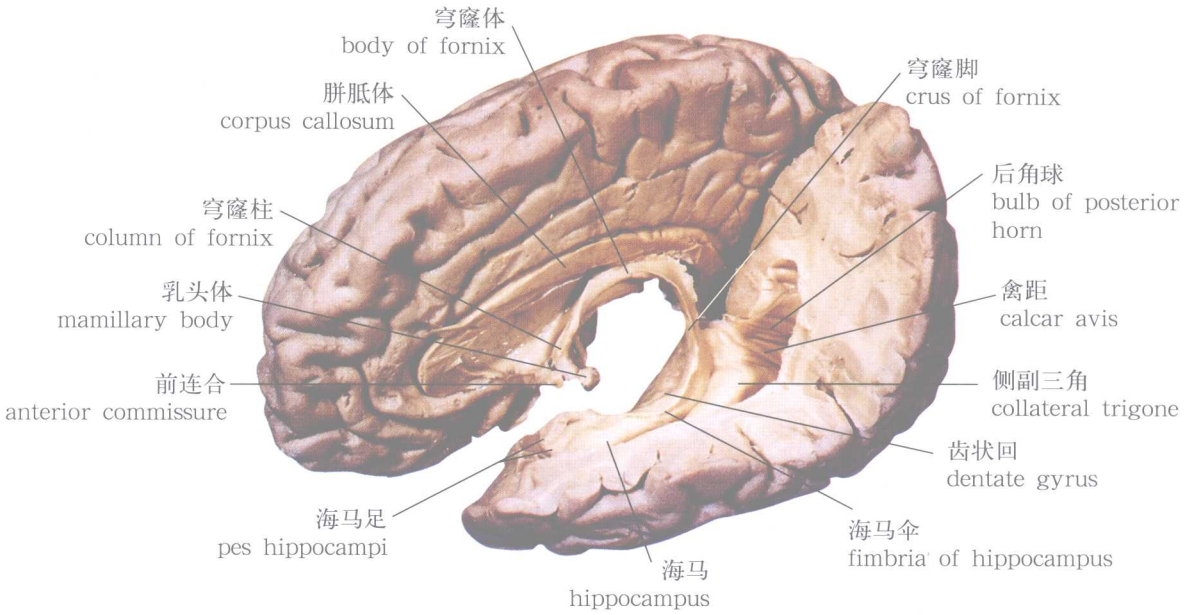


图 414　海马和穹窿

The hippocampus and fornix

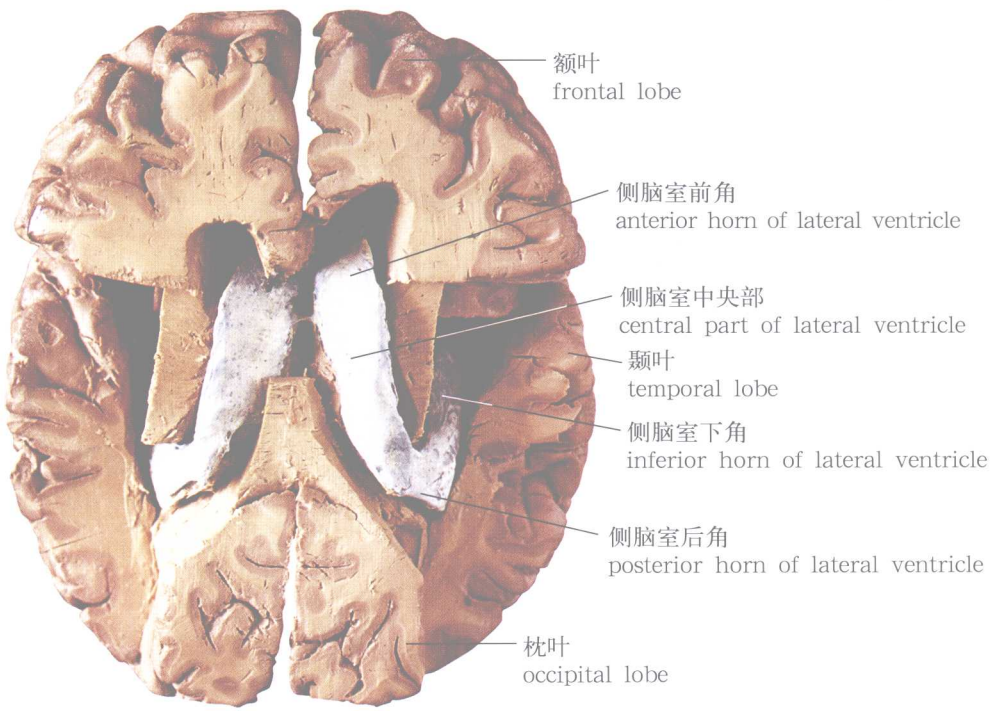


图 415　侧脑室（上面观）

The lateral ventricle (superior aspect)

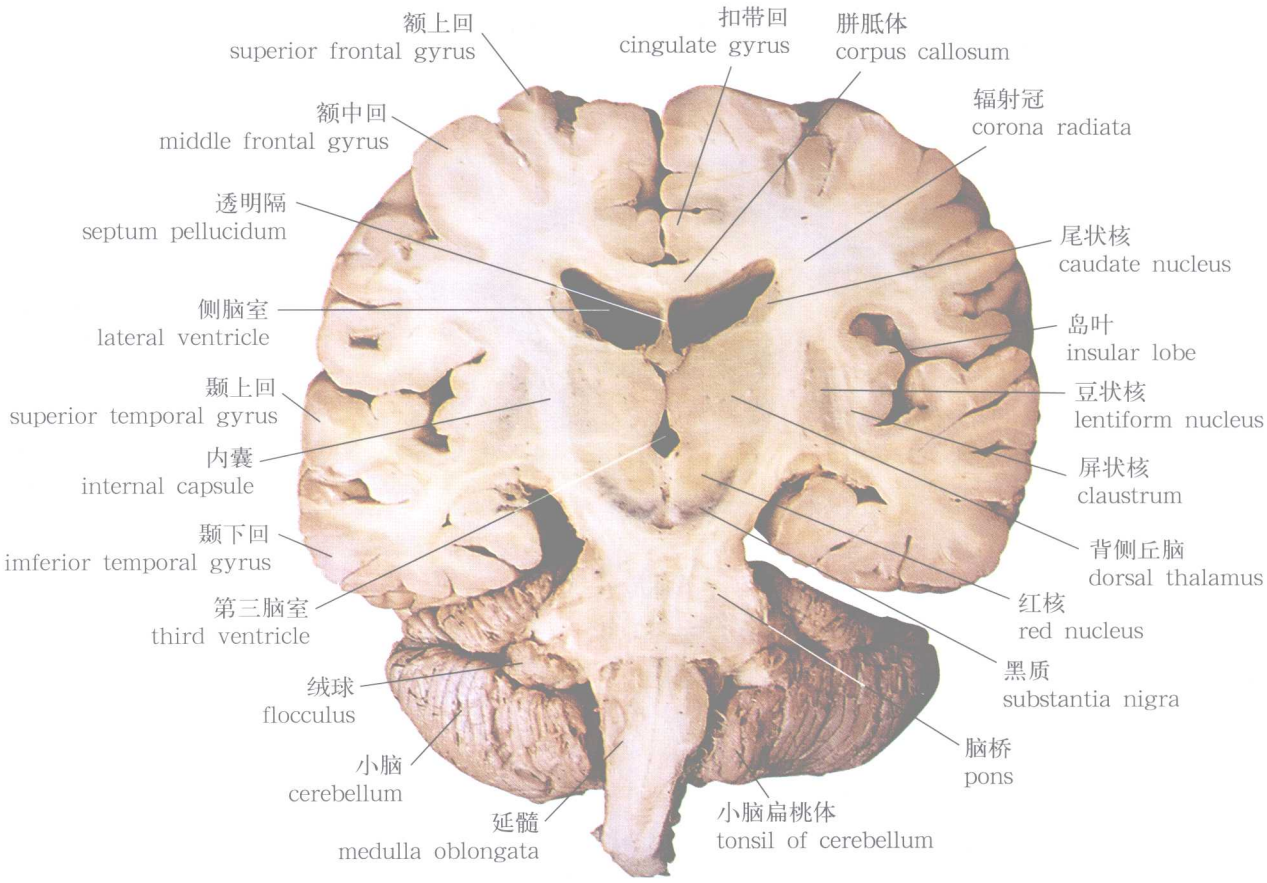


图 416　脑冠状切面

The coronal section of the brain

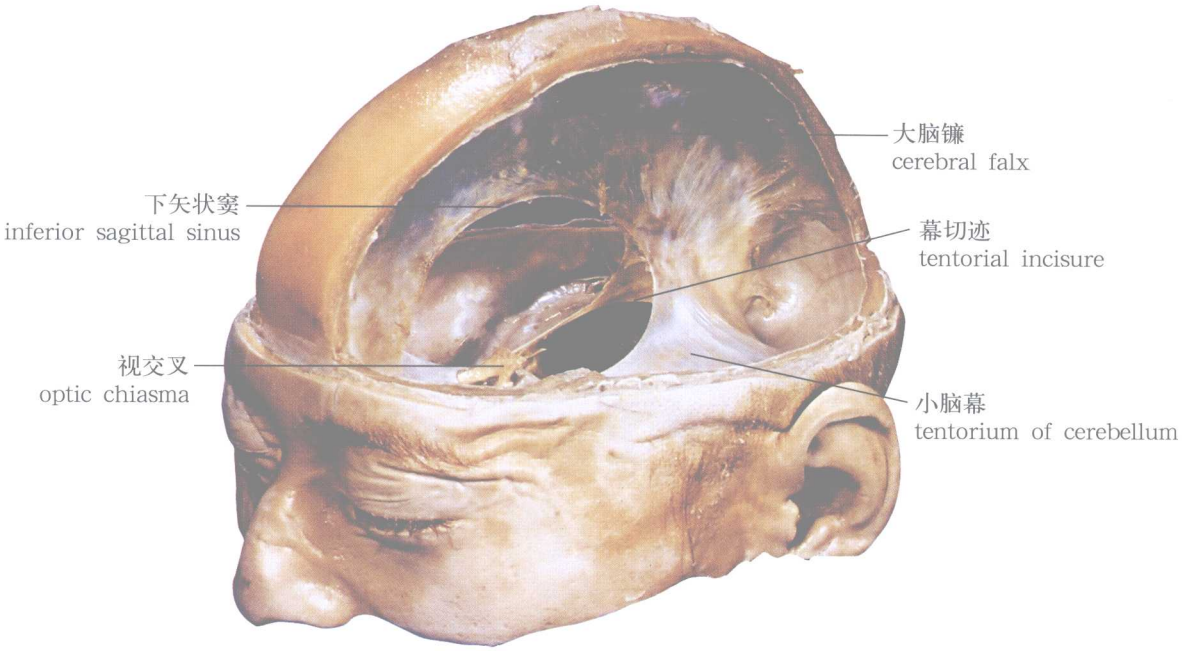


图 417　硬脑膜

The cerebral dura mater

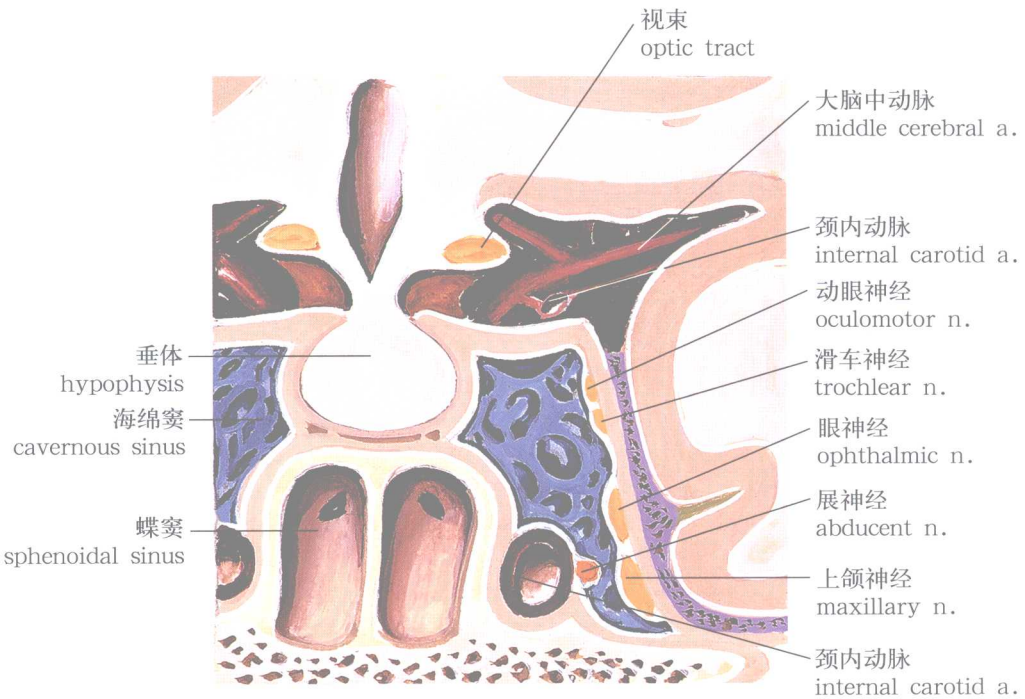


图 418　海绵窦冠状切面

The coronal section of the cavernous sinus

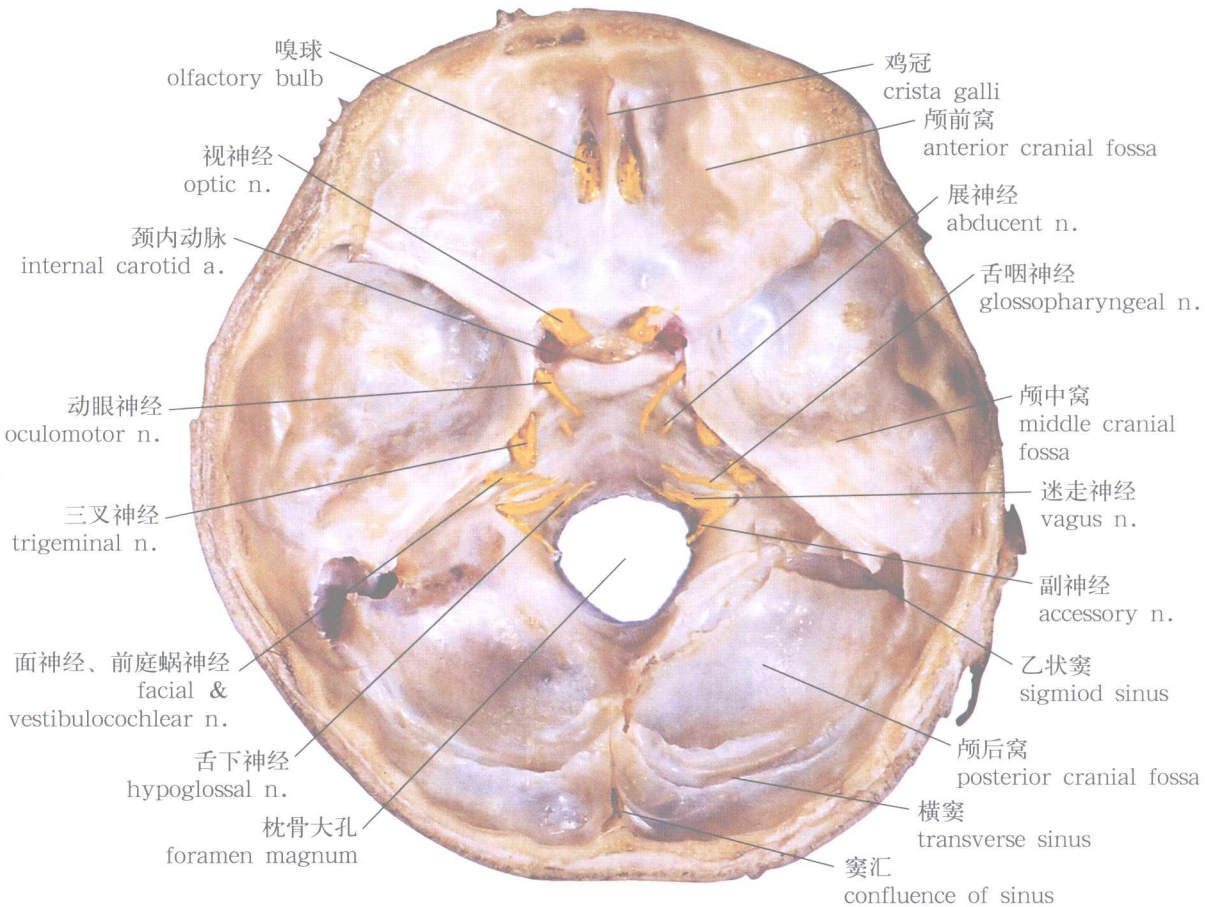


图 419 颅底硬脑膜

Dura mater of the base of the cranial cavity

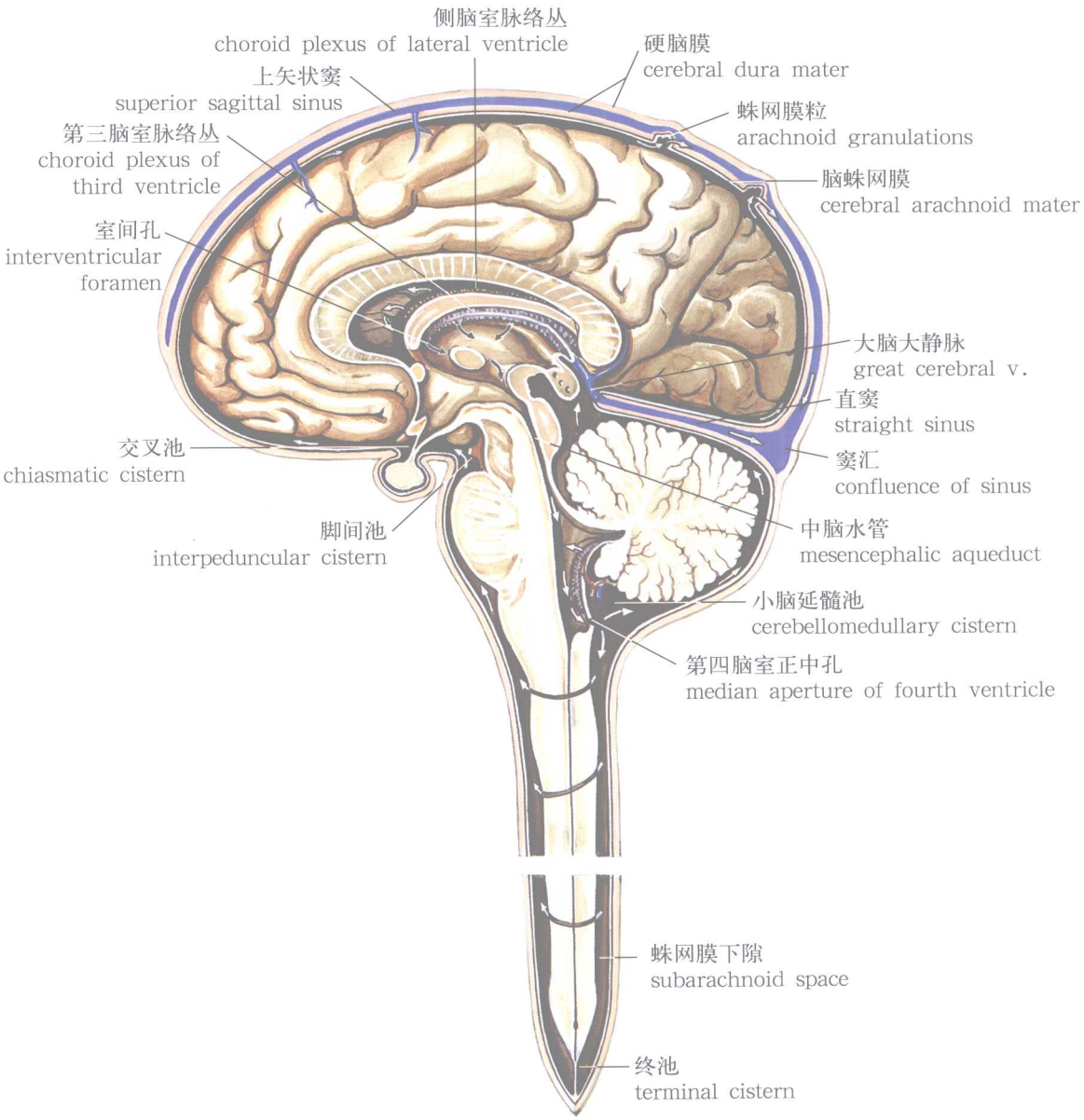


图 420　脑脊液循环模式图

Diagram of cerebrospinal fluid circulation

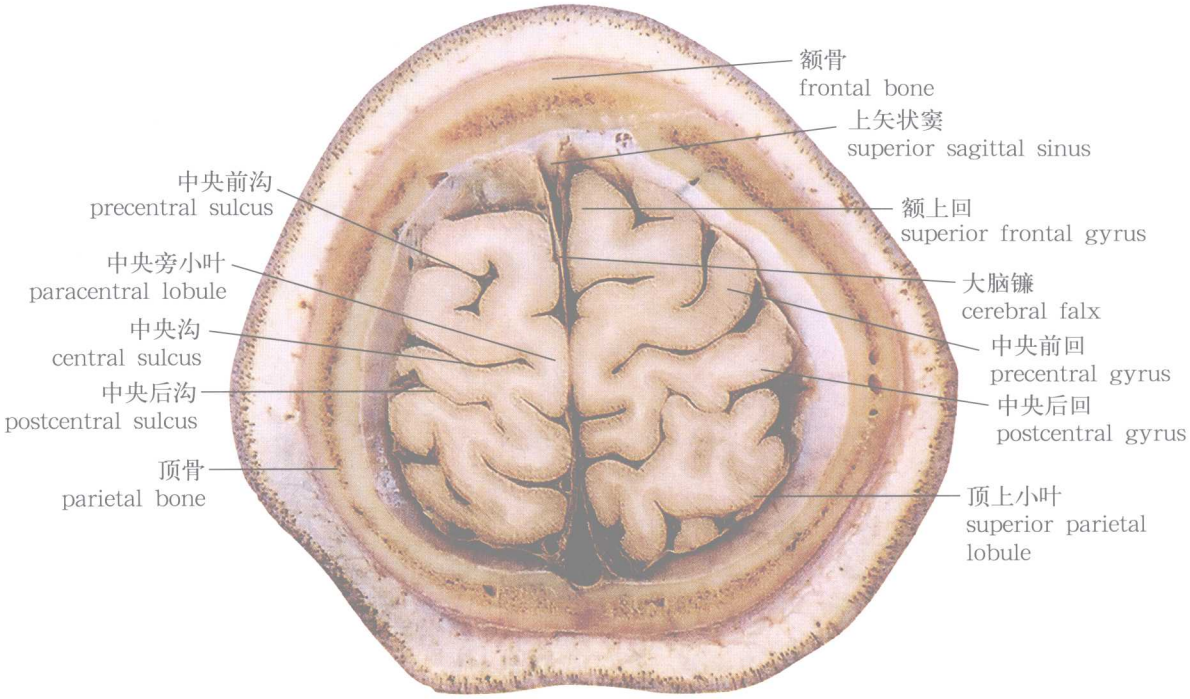


图 421　经旁小叶上部脑横切面

Transverse section of the brain through the superior portion of the paracentral lobule

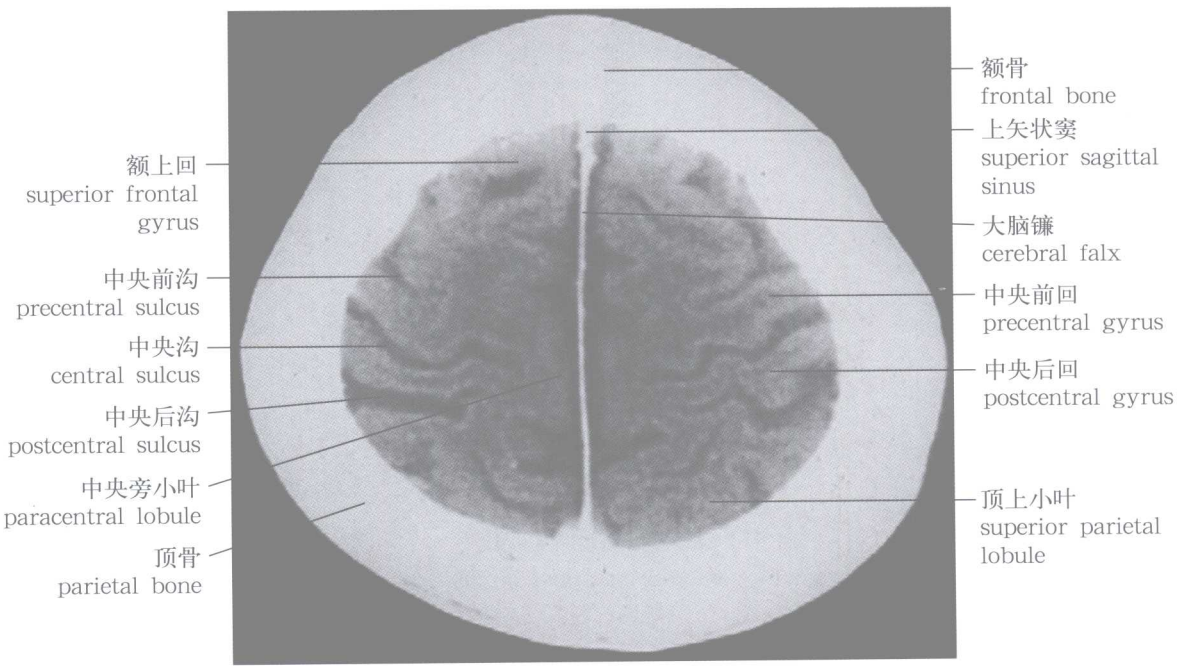


图 422　脑 CT

X-ray CT of the brain

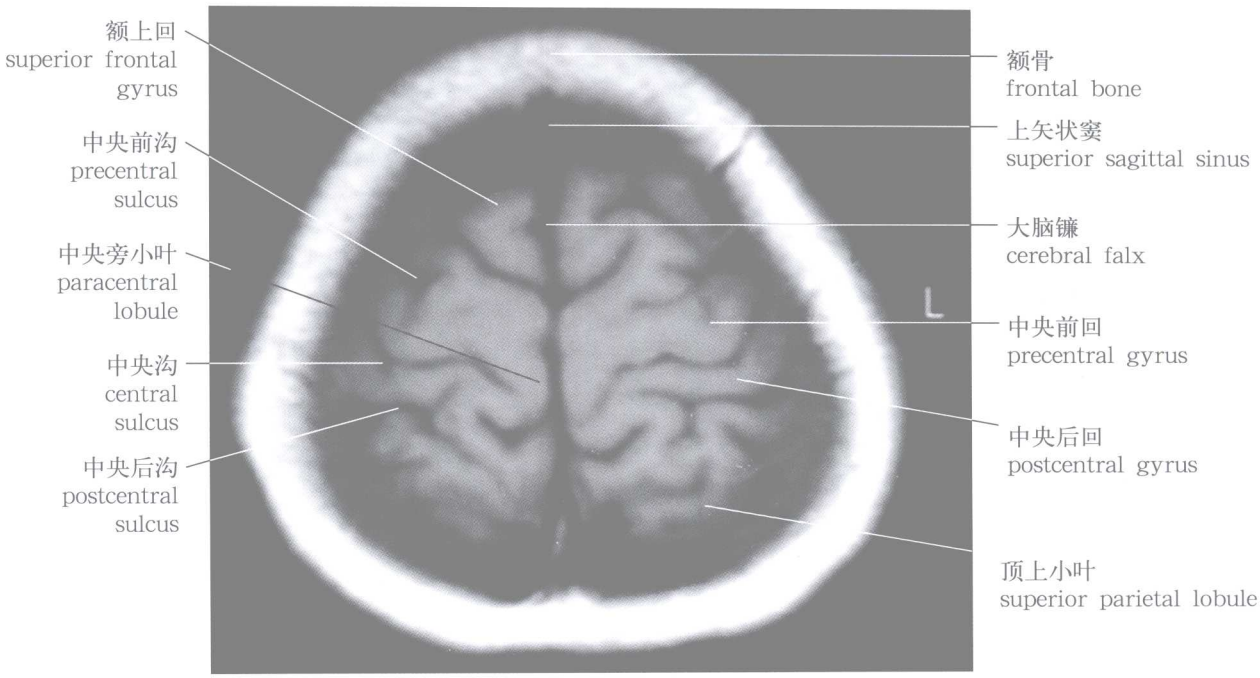


图 423　脑 MRI（T_1WI）

MRI of the brain (T_1WI)

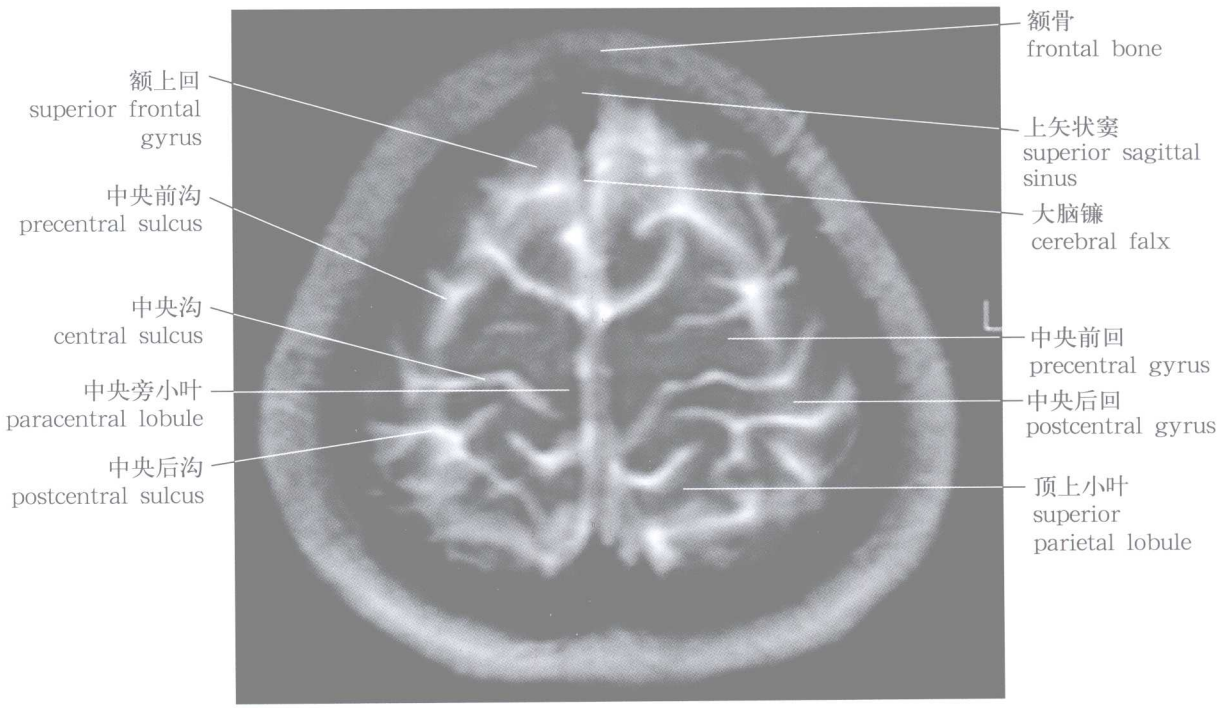


图 424　脑 MRI（T_2WI）

MRI of the brain (T_2WI)

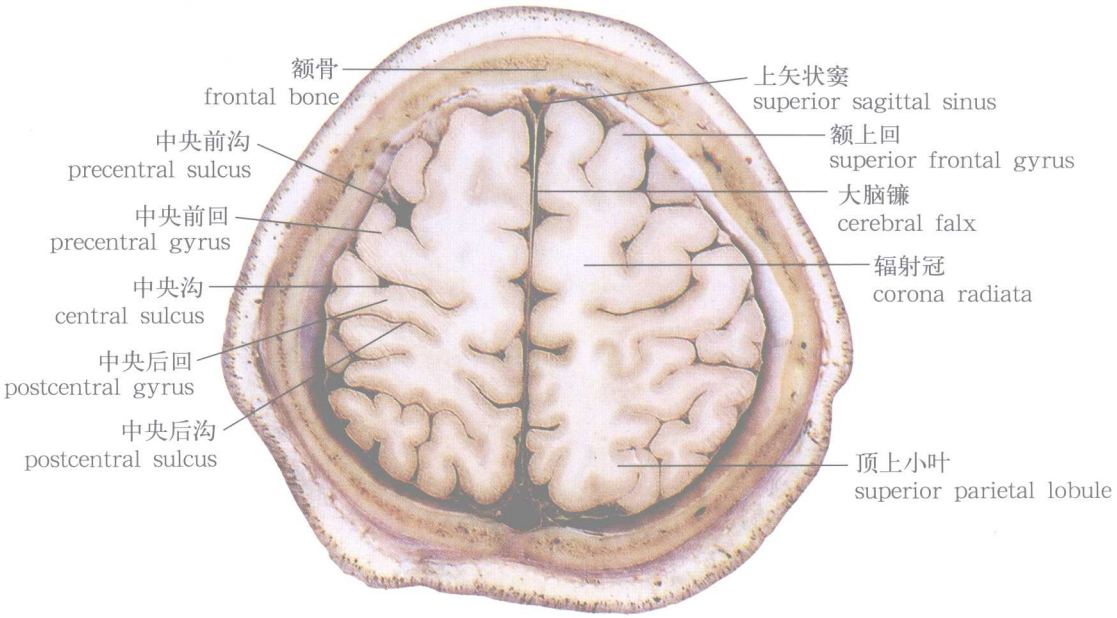


图 425　经中央前回中份的横断面

Transverse section of the brain through the middle part of the precentral gyrus

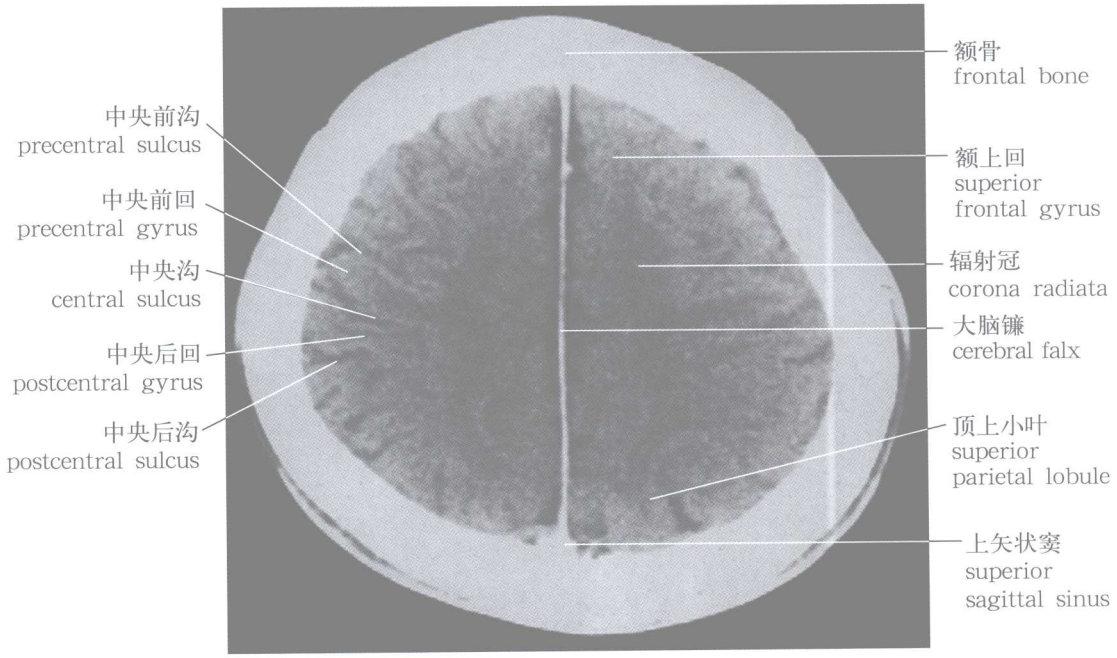


图 426　脑 CT

X-ray CT of the brain

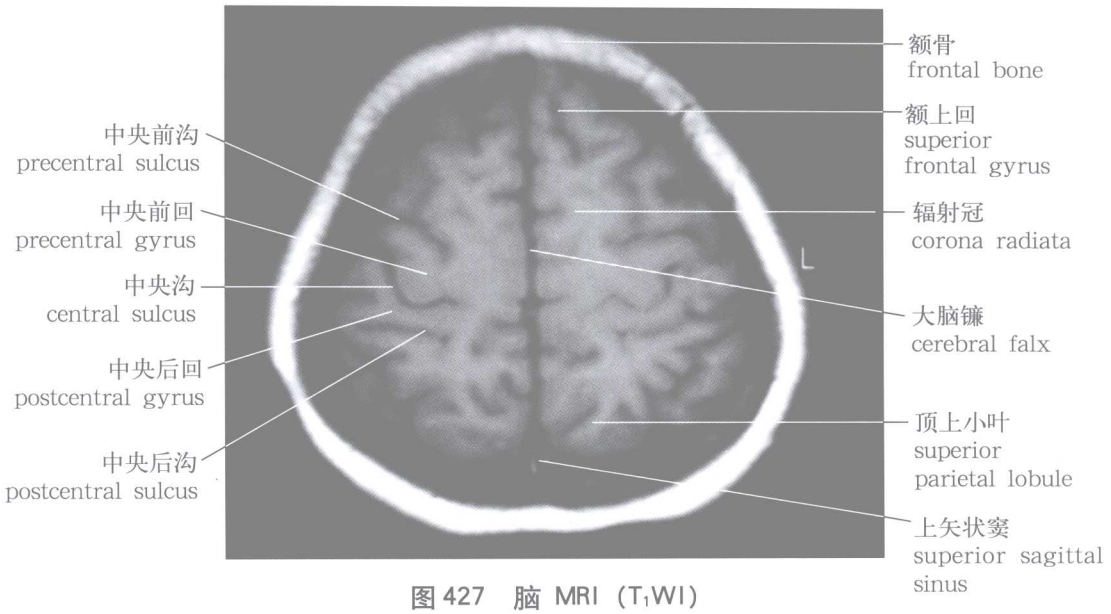


图 427 脑 MRI (T_1WI)

MRI of the brain (T_1WI)

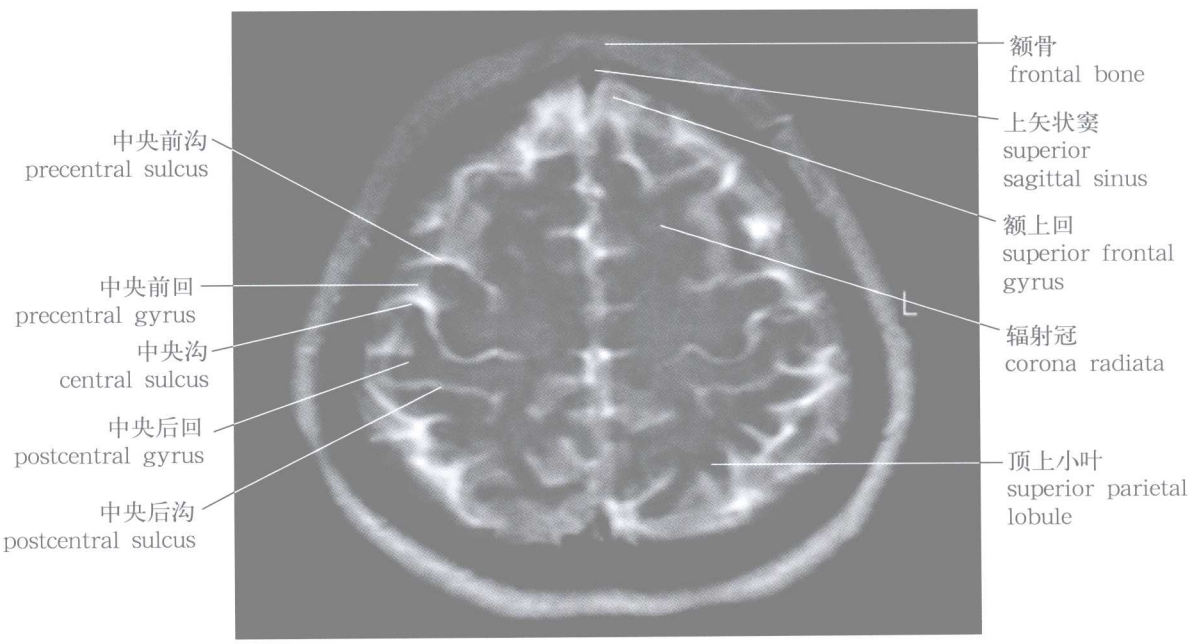


图 428 脑 MRI (T_2WI)

MRI of the brain (T_2WI)

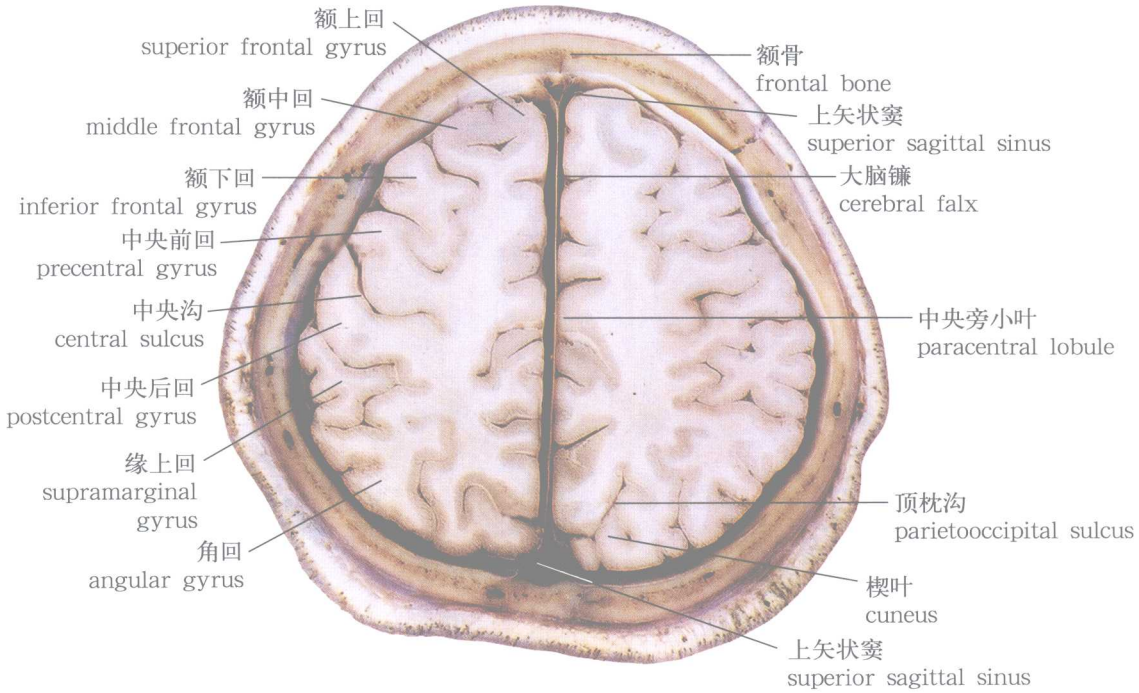


图 429　经顶枕沟上部脑横切面

Transverse section of the brain through the superior portion of parietooccipital sulcus

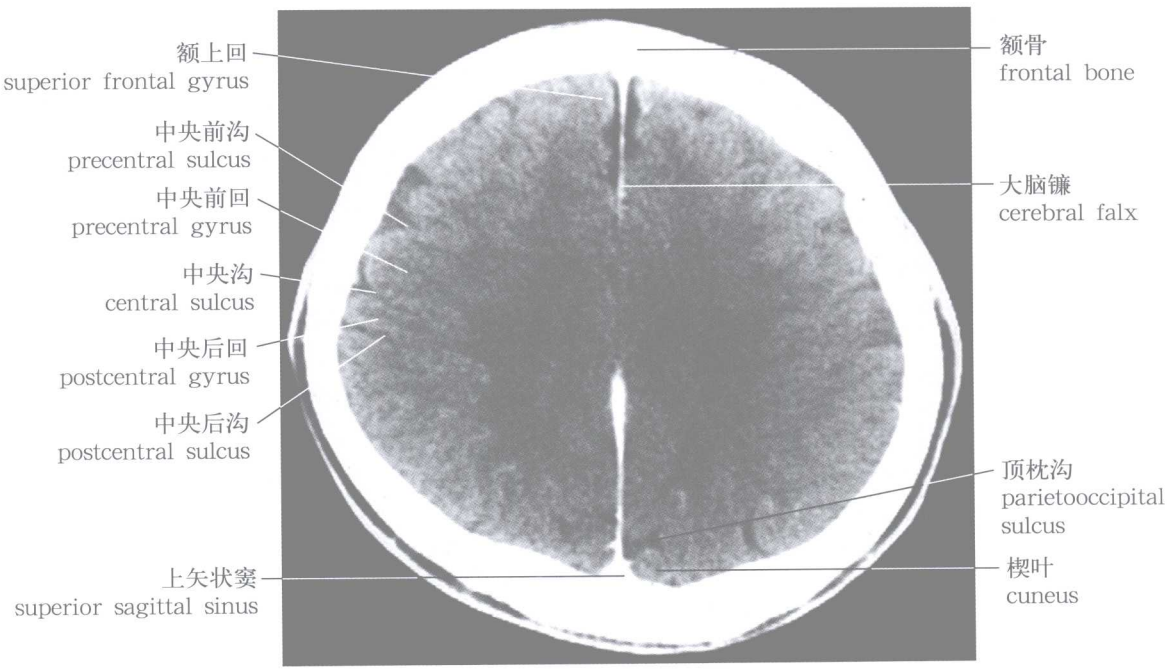


图 430　脑 CT

X-ray CT of the brain

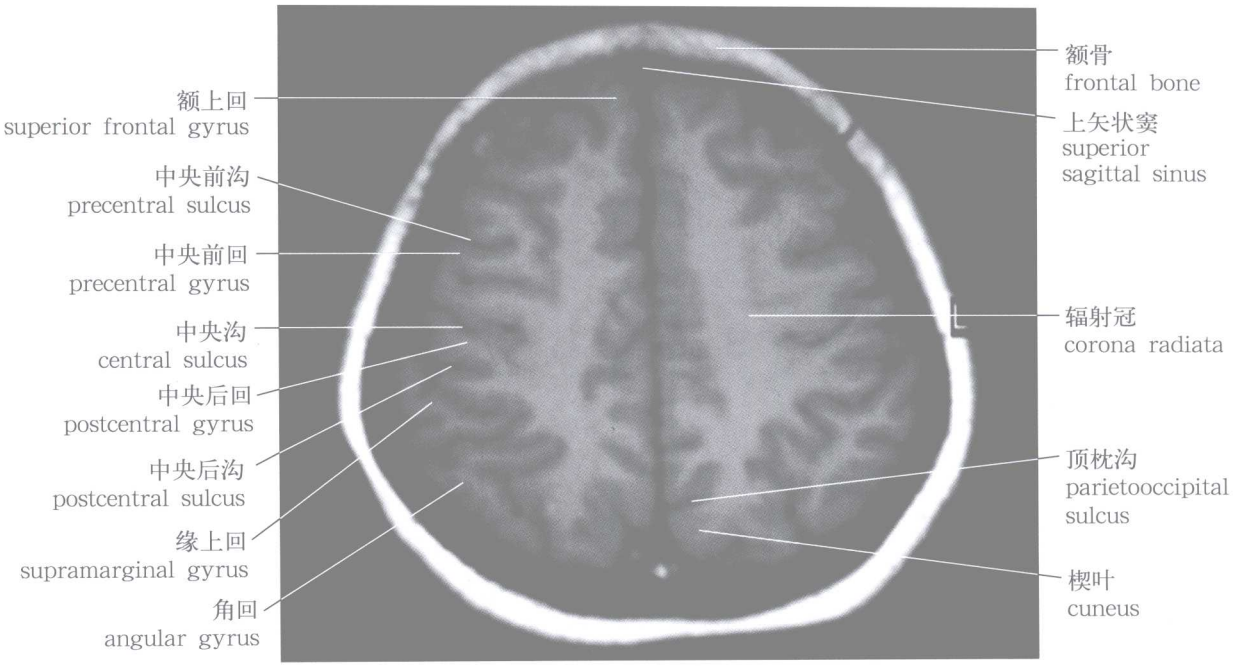


图 431 脑 MRI (T_1WI)

MRI of the brain (T_1WI)

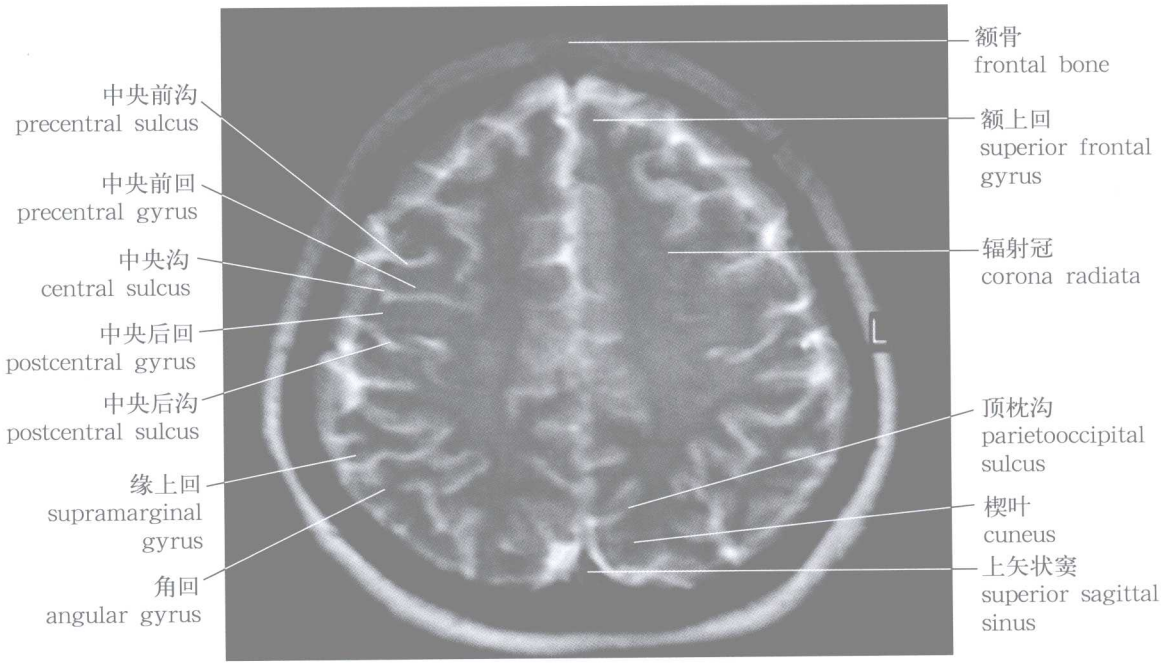


图 432 脑 MRI (T_2WI)

MRI of the brain (T_2WI)

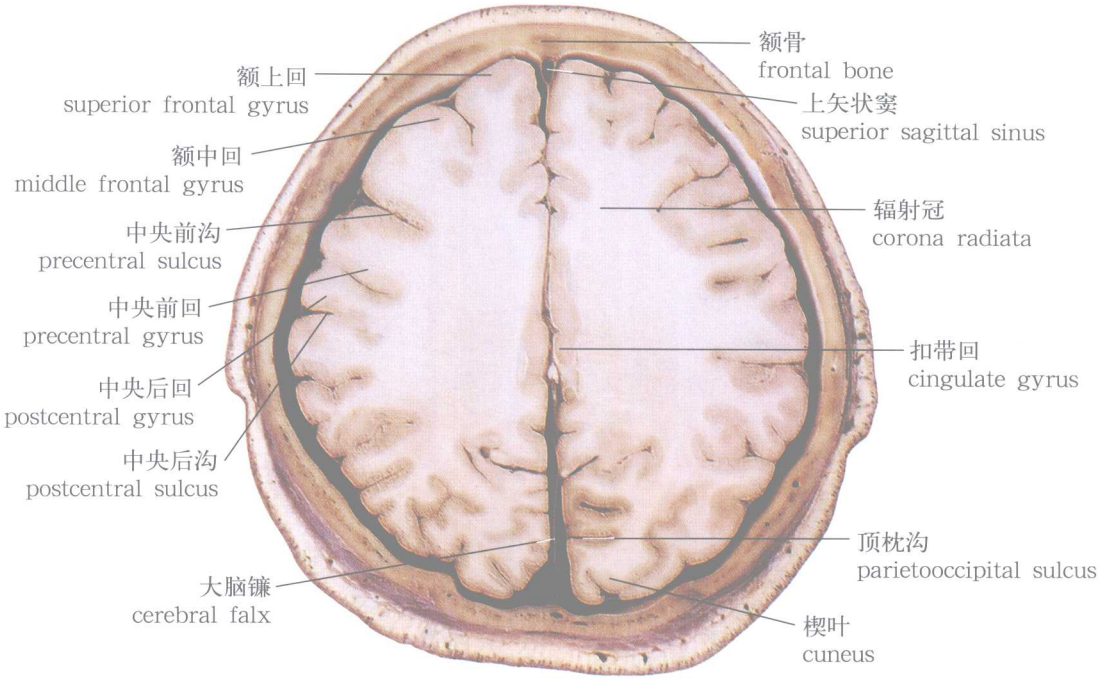


图 433　经中央旁小叶下部脑横切面

Transverse section of the brain through the inferior portion of the paracentral lobule

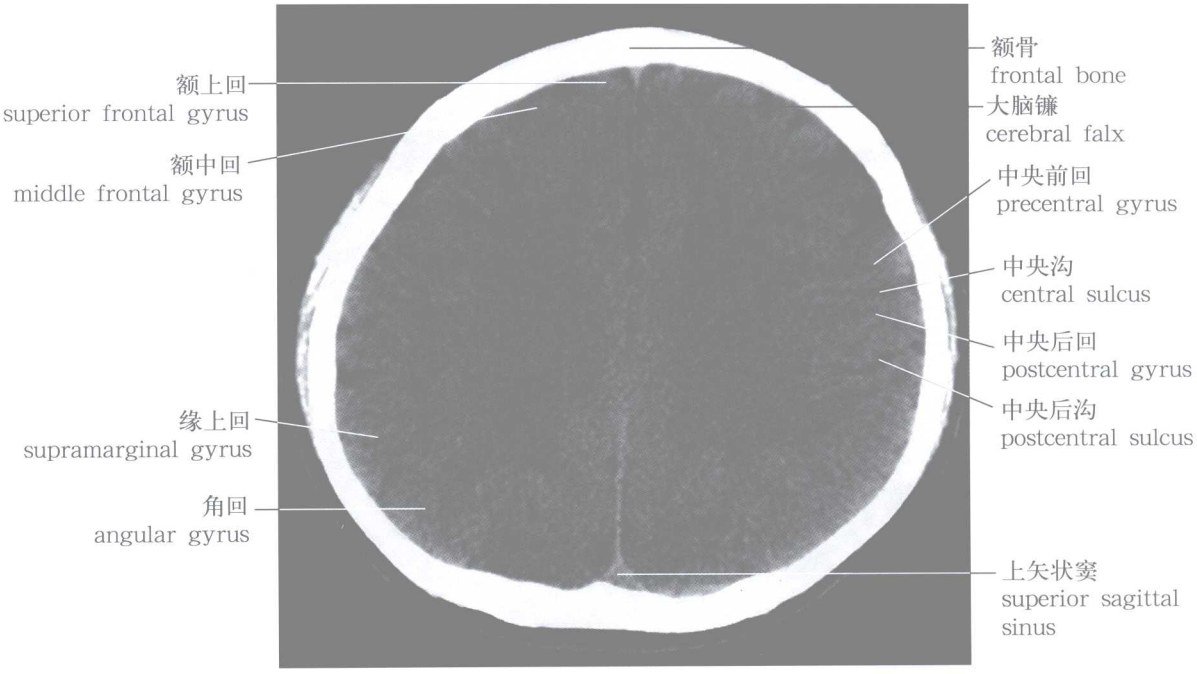


图 434　脑 CT

X-ray CT of the brain

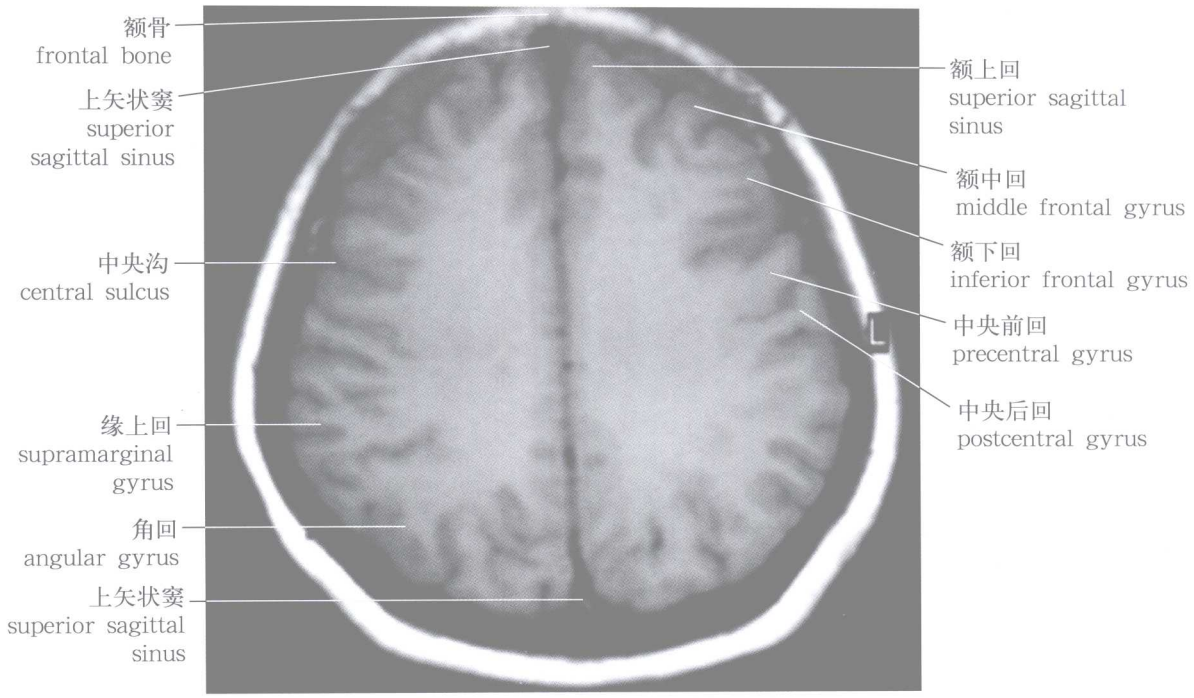


图 435 脑 MRI (T_1WI)

MRI of the brain (T_1WI)

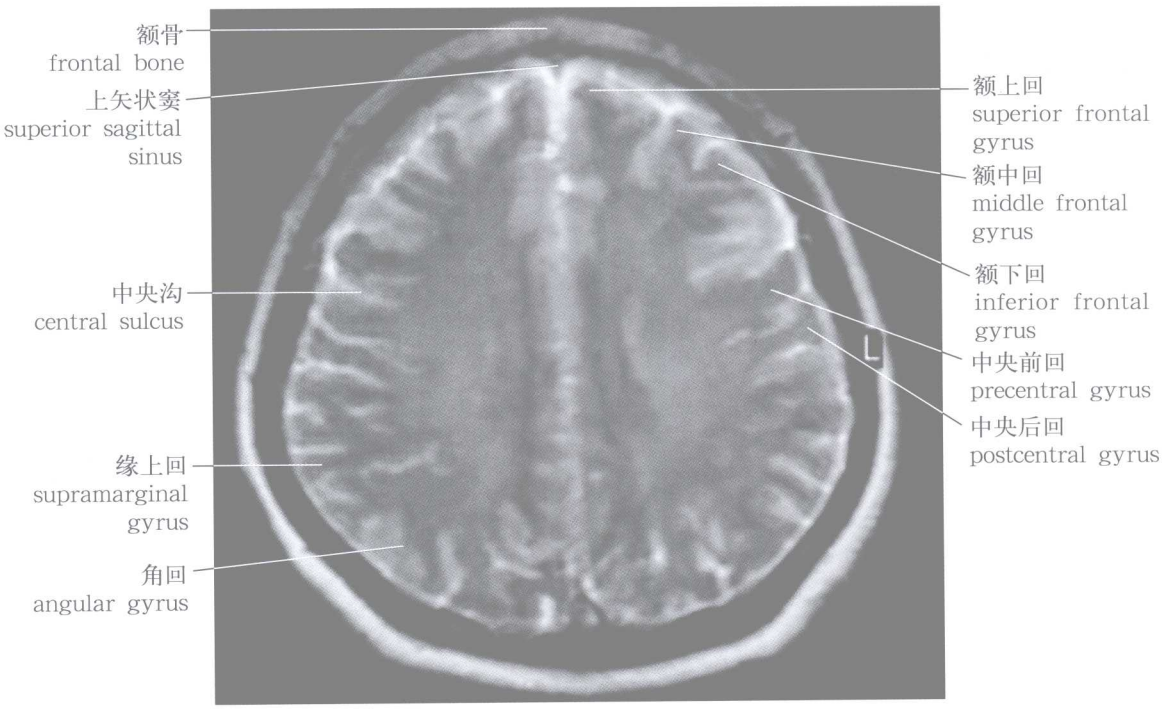


图 436 脑 MRI (T_2WI)

MRI of the brain (T_2WI)

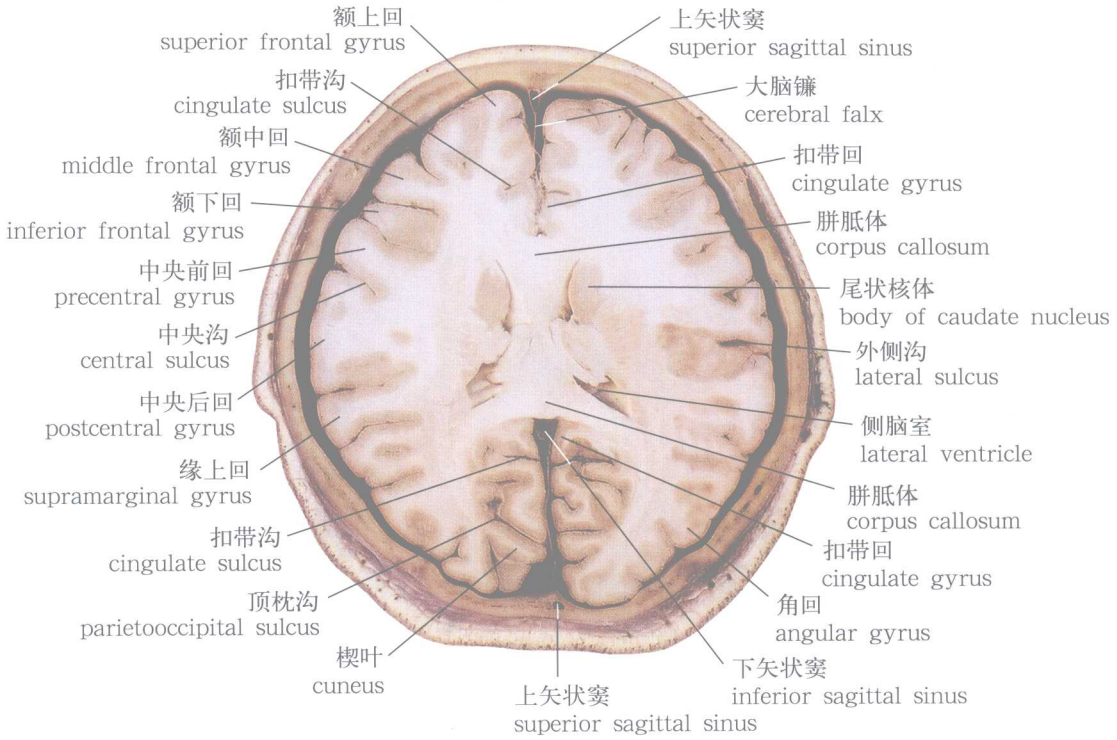


图 437　经胼胝体脑横切面

Transverse section of the brain through the corpus callosum

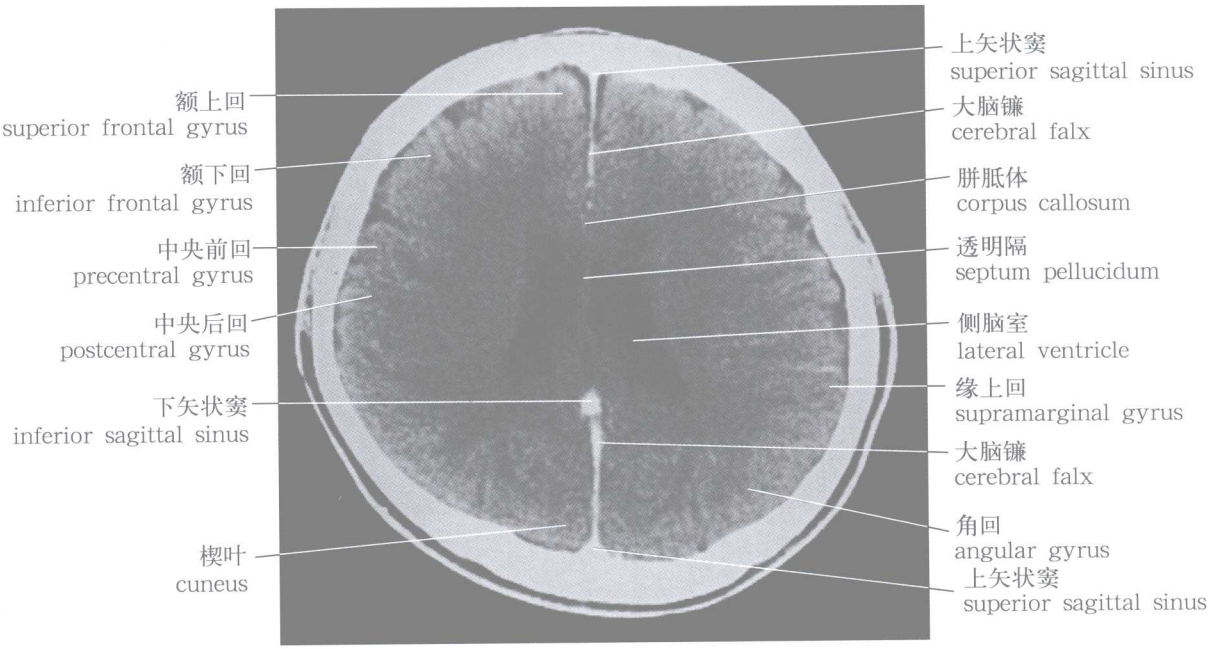


图 438　脑 CT

X-ray CT of the brain

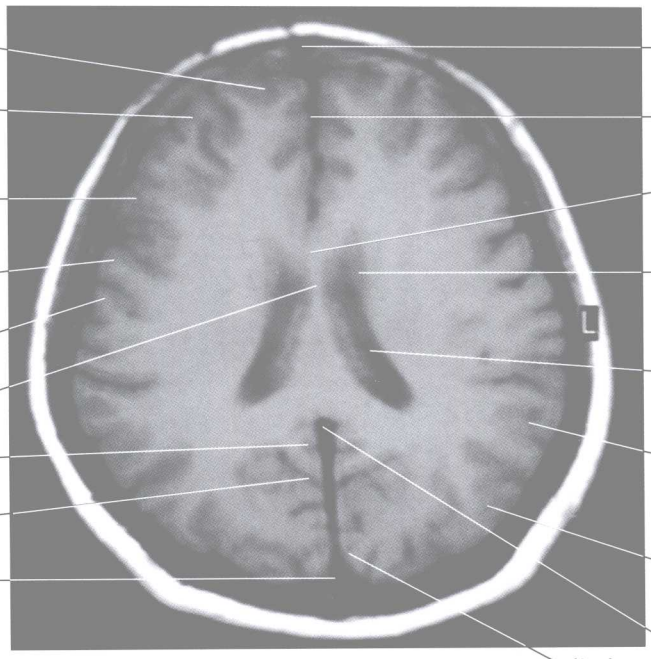


图 439 脑 MRI（T_1WI）

MRI of the brain (T_1WI)

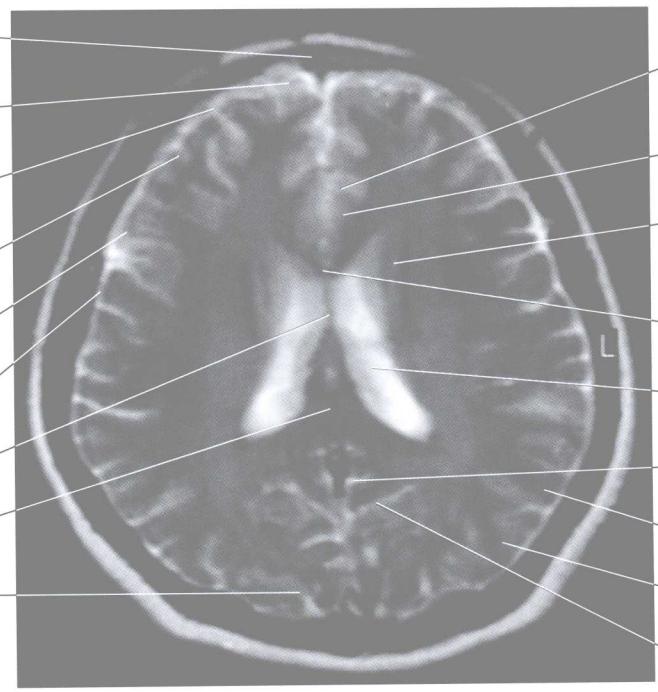


图 440 脑 MRI（T_2WI）

MRI of the brain (T_2WI)

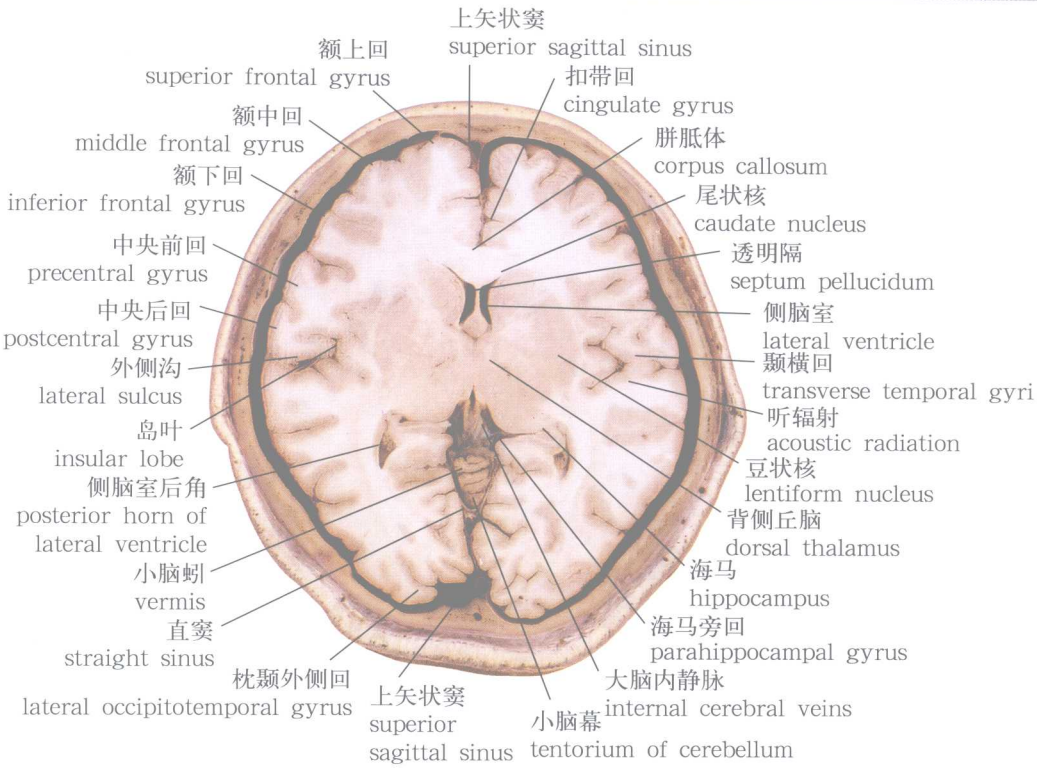


图 441　脑横断面

Transverse section of the brain

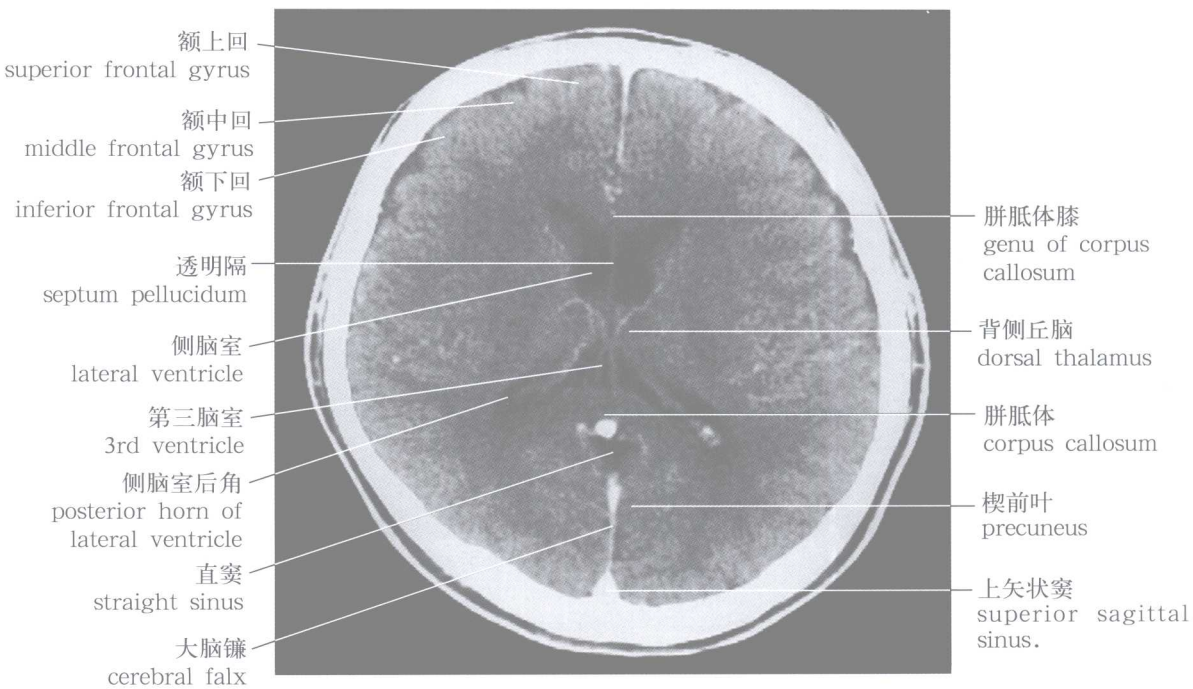


图 442　脑 CT

X-ray CT of the brain



图 443　脑 MRI（T_1WI）

MRI of the brain (T_1WI)

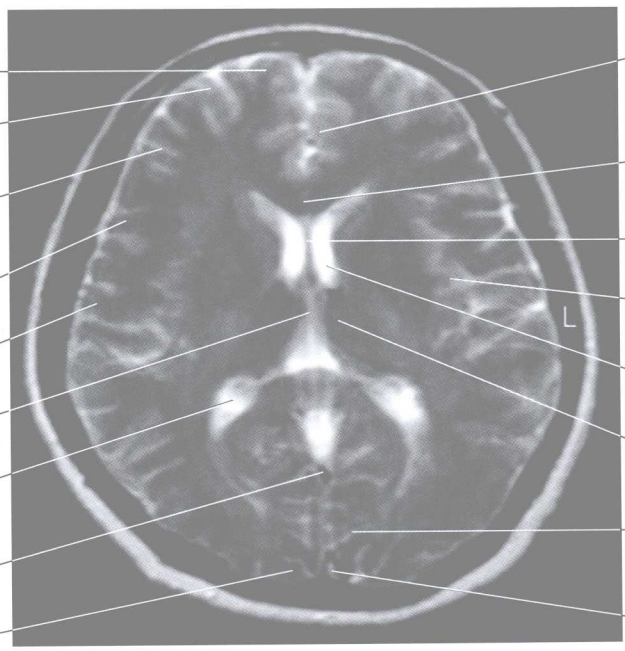


图 444　脑 MRI（T_2WI）

MRI of the brain (T_2WI)

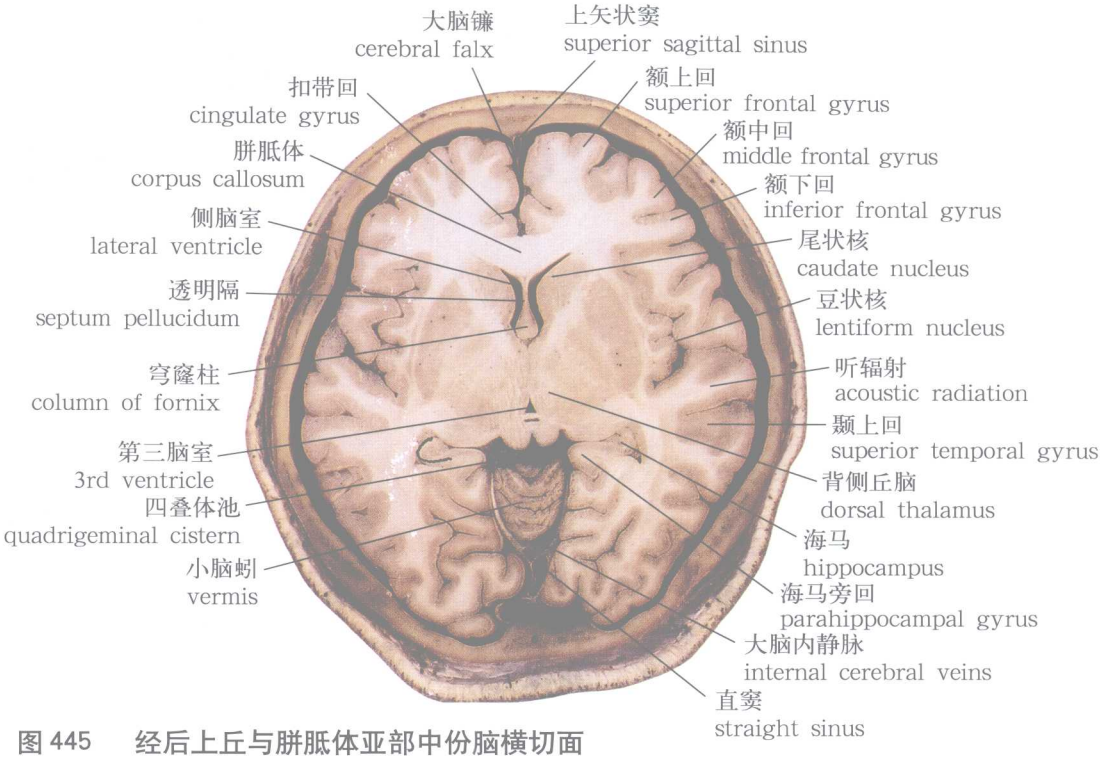


图 445　经后上丘与胼胝体亚部中份脑横切面

Transverse section of the brain at the level of the posterior superior colliculus and the middle of the subcorpus callosum

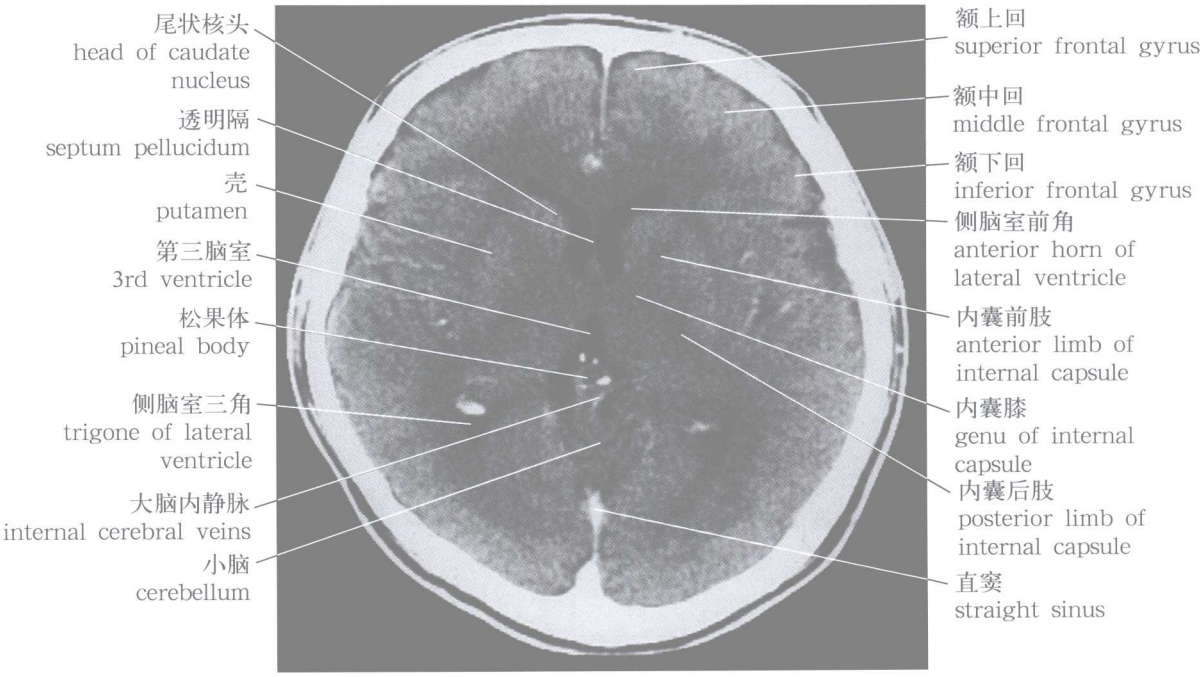


图 446　脑 CT

X-ray CT of the brain

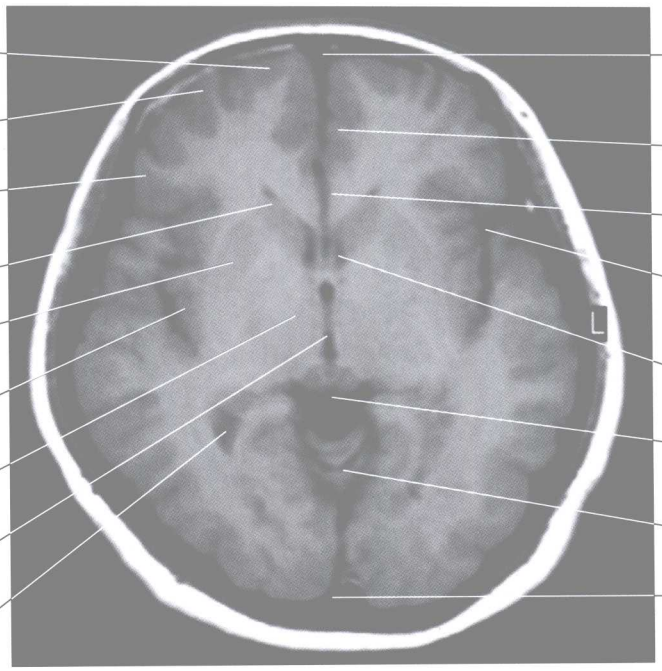


图 447 脑 MRI（T_1WI）

MRI of the brain (T_1WI)

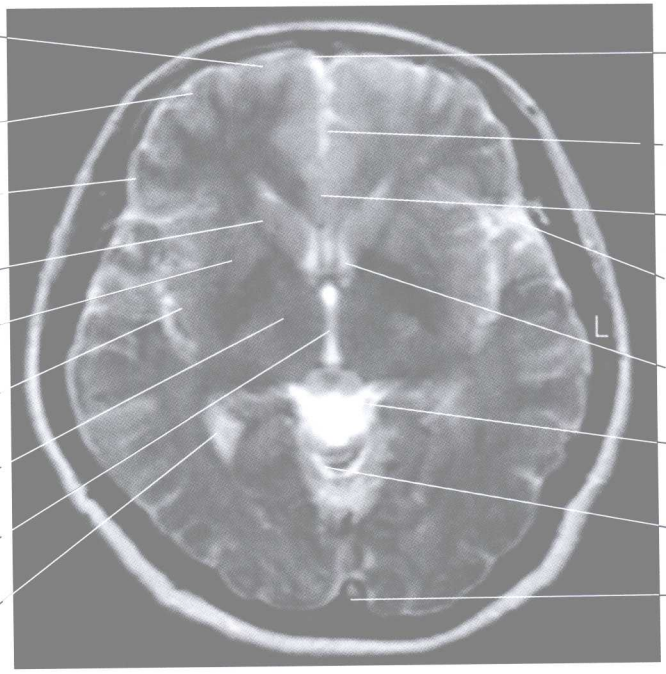


图 448 脑 MRI（T_2WI）

MRI of the brain (T_2WI)

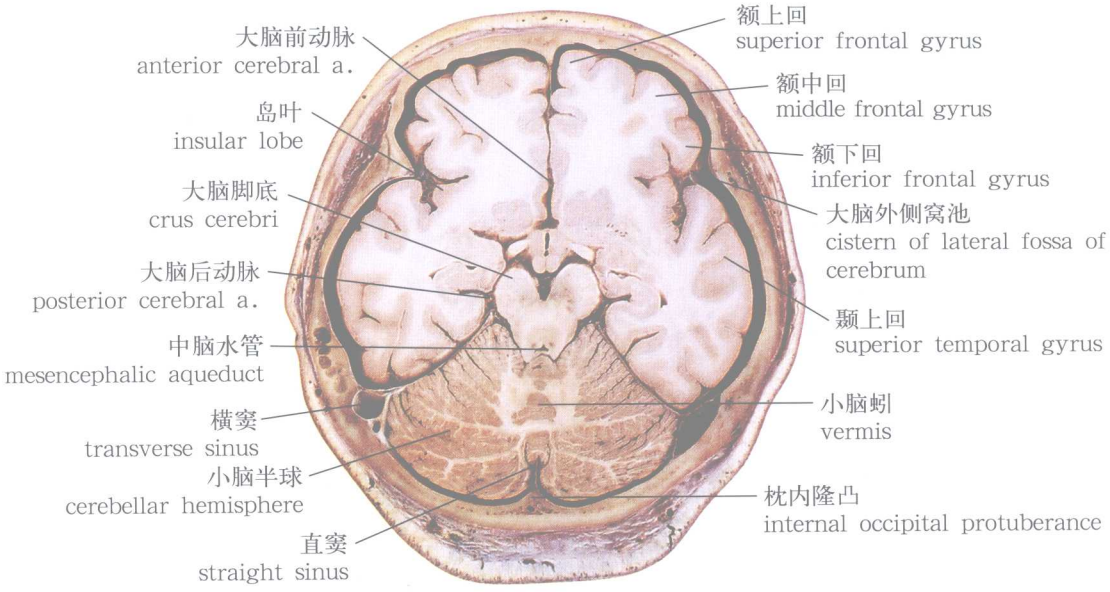


图 449　经下丘脑和前连合脑横切面

Transverse section of the brain through the level of inferior colliculus and the anterior conrmissure

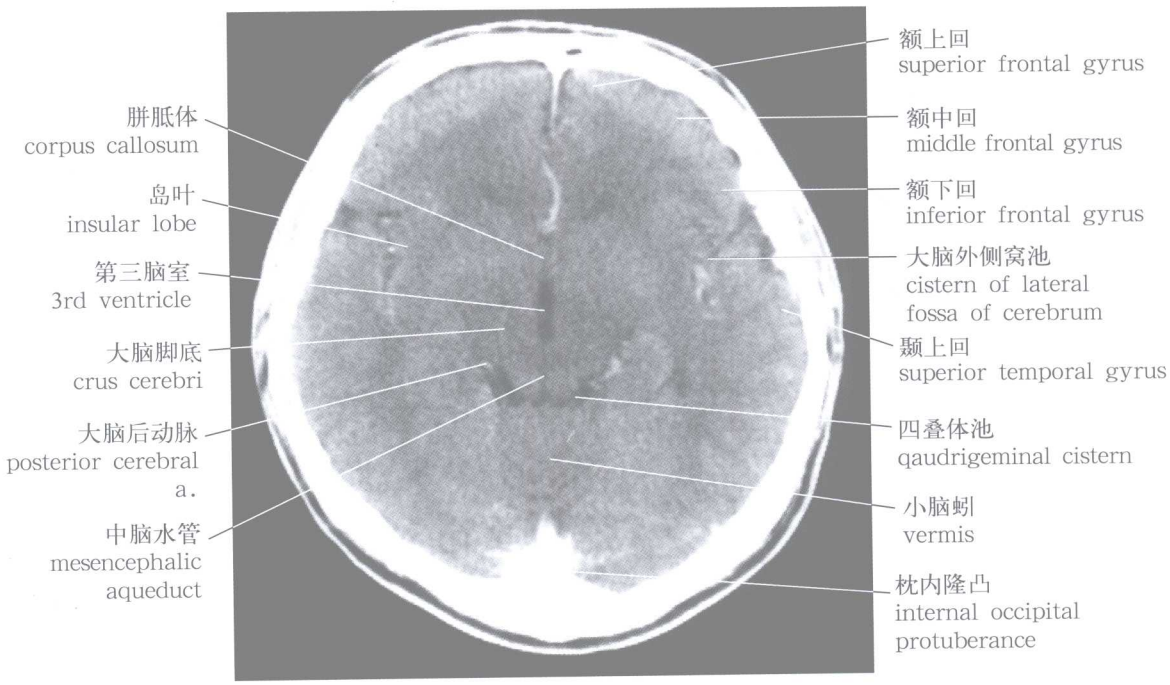


图 450　脑 CT

X-ray CT of the brain

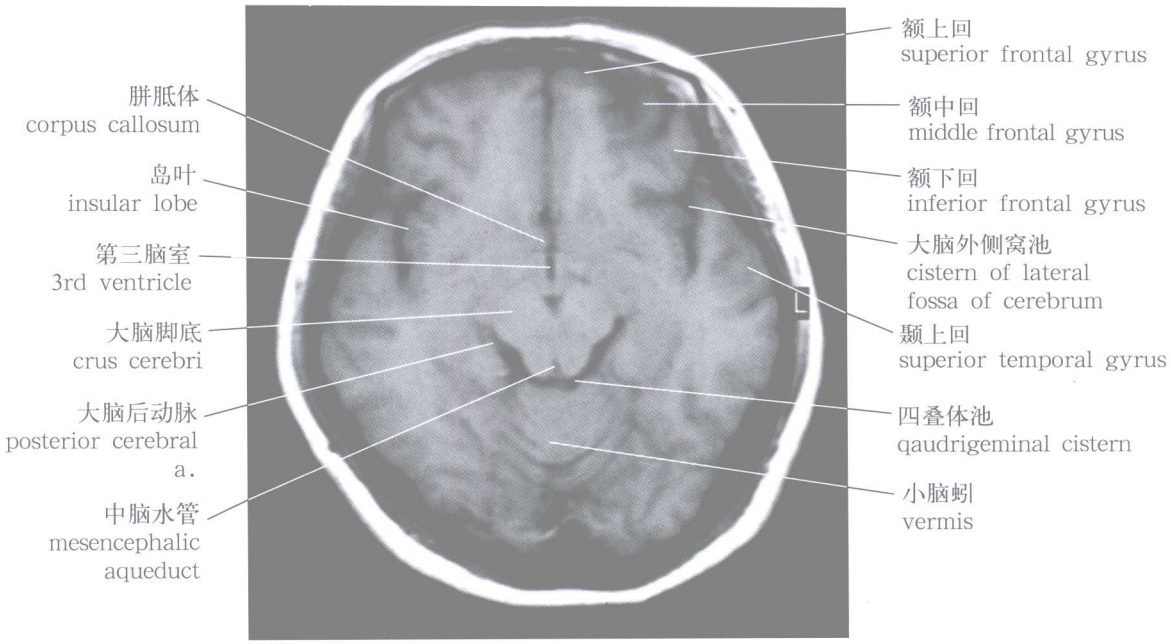


图 451 脑 MRI（T_1WI）

MRI of the brain (T_1WI)

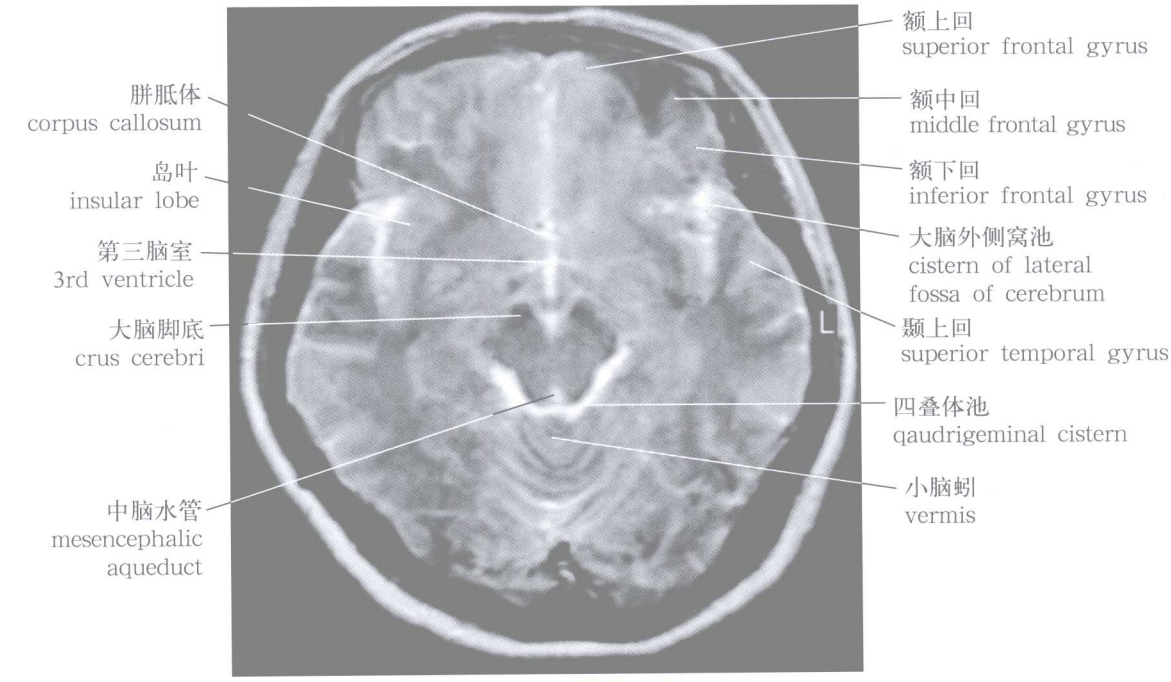


图 452 脑 MRI（T_2WI）

MRI of the brain (T_2WI)

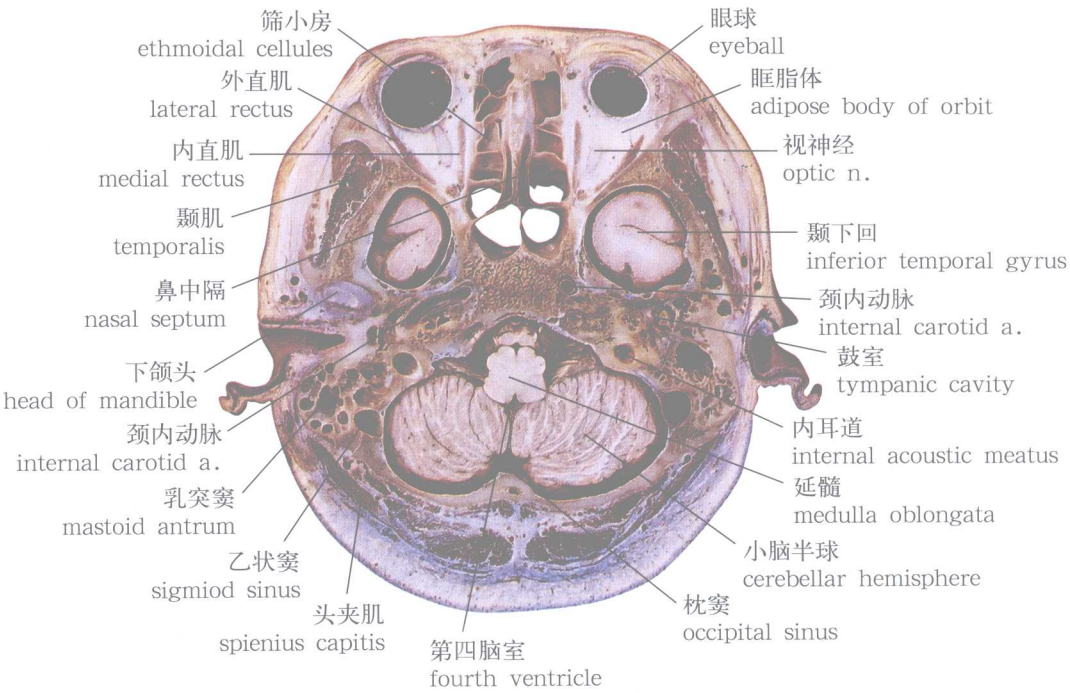


图 453　经颞下颌关节脑横切面

Transverse section of the brain through the level of the temporomandibular joint

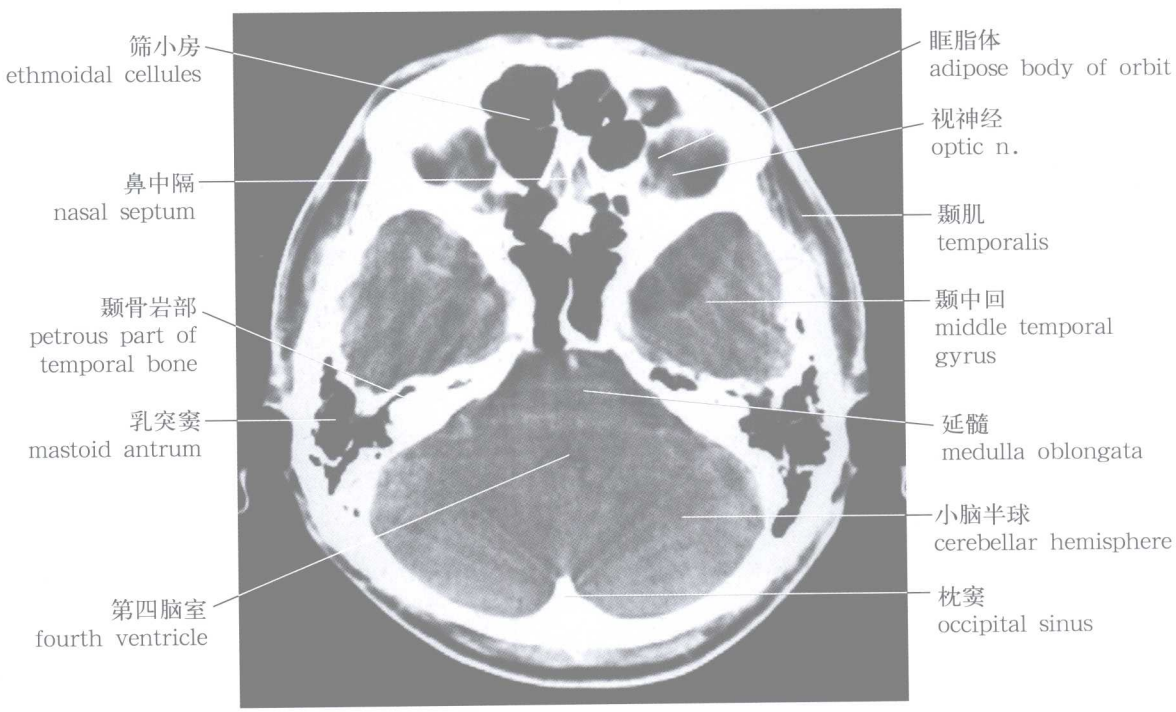


图 454　脑 CT

X-ray CT of the brain



图 455 脑 MRI (T_1WI)

MRI of the brain (T_1WI)

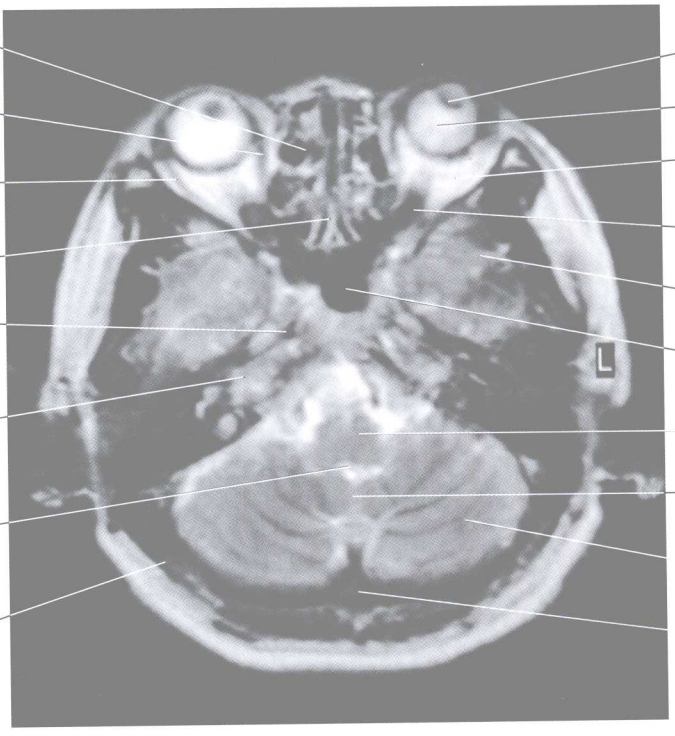


图 456 脑 MRI (T_2WI)

MRI of the brain (T_2WI)

第13章 神经系统——内脏神经

NERVOUS SYSTEM —— VISCERAL NERVE

Chapter 13

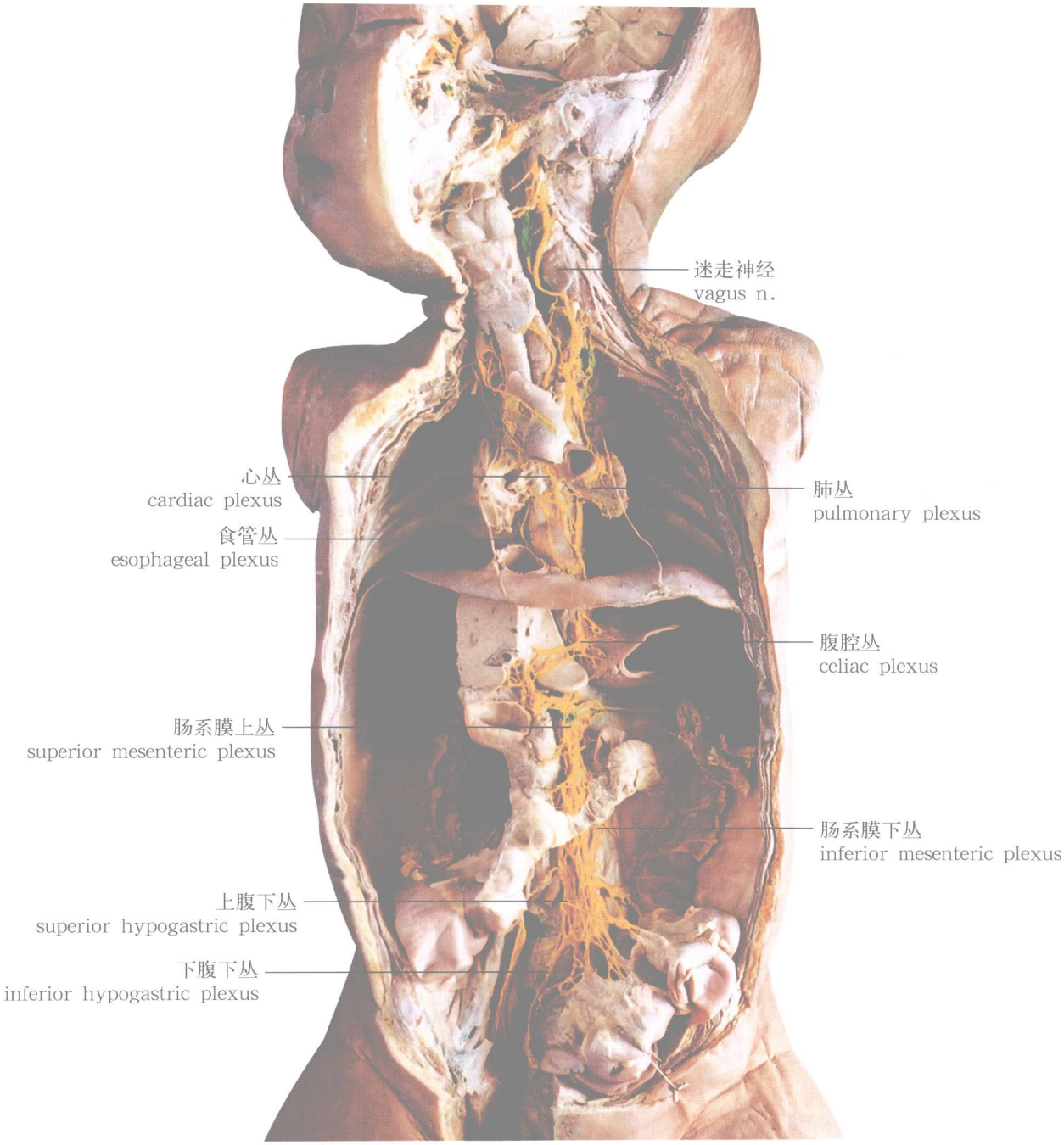


图 457　内脏神经全貌

General arrangement of the visceral nerves

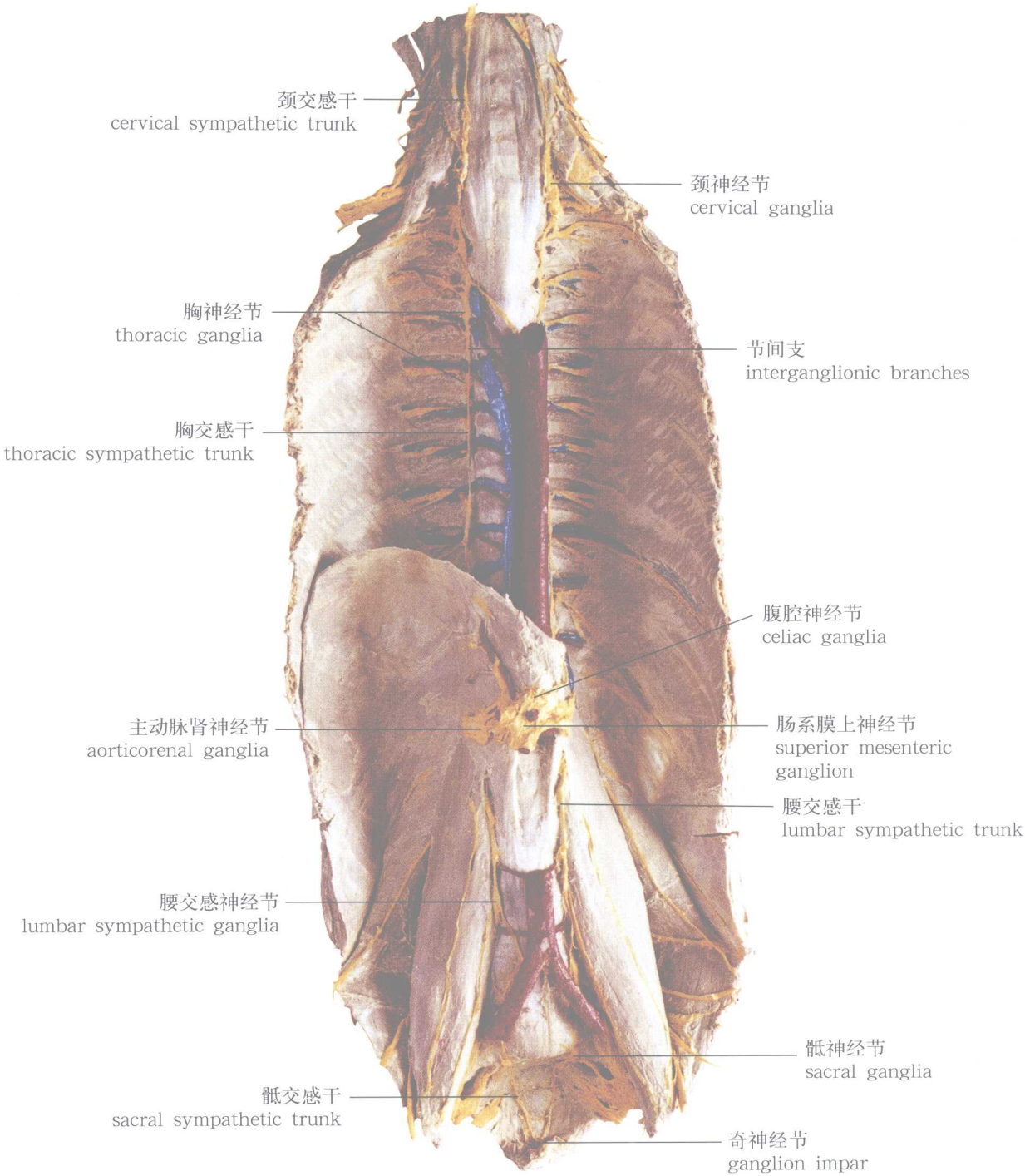


图 458　交感神经干

The trunks of sympathetic nerve

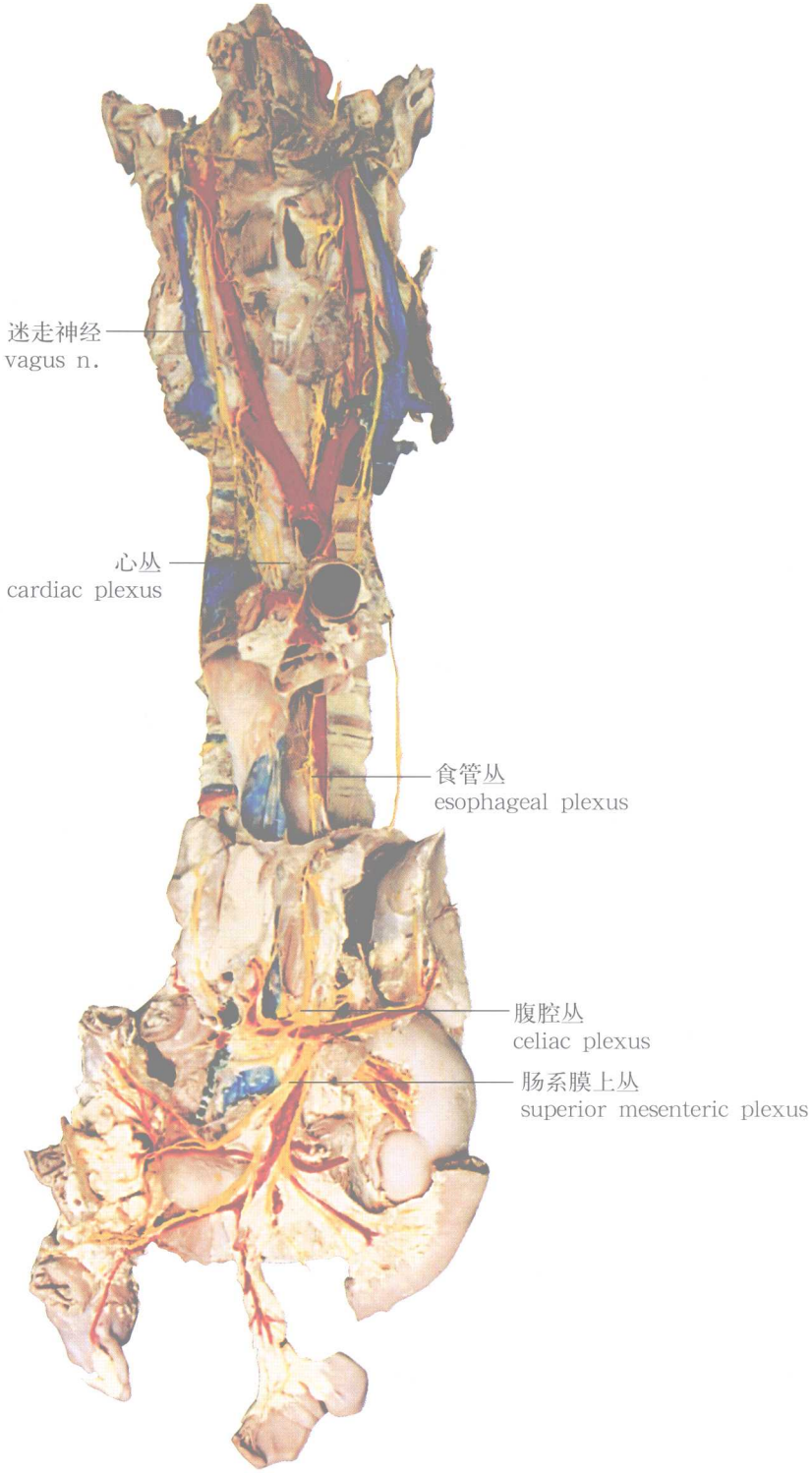


图 459　内脏神经（前面观）

The visceral nerves (anterior aspect)

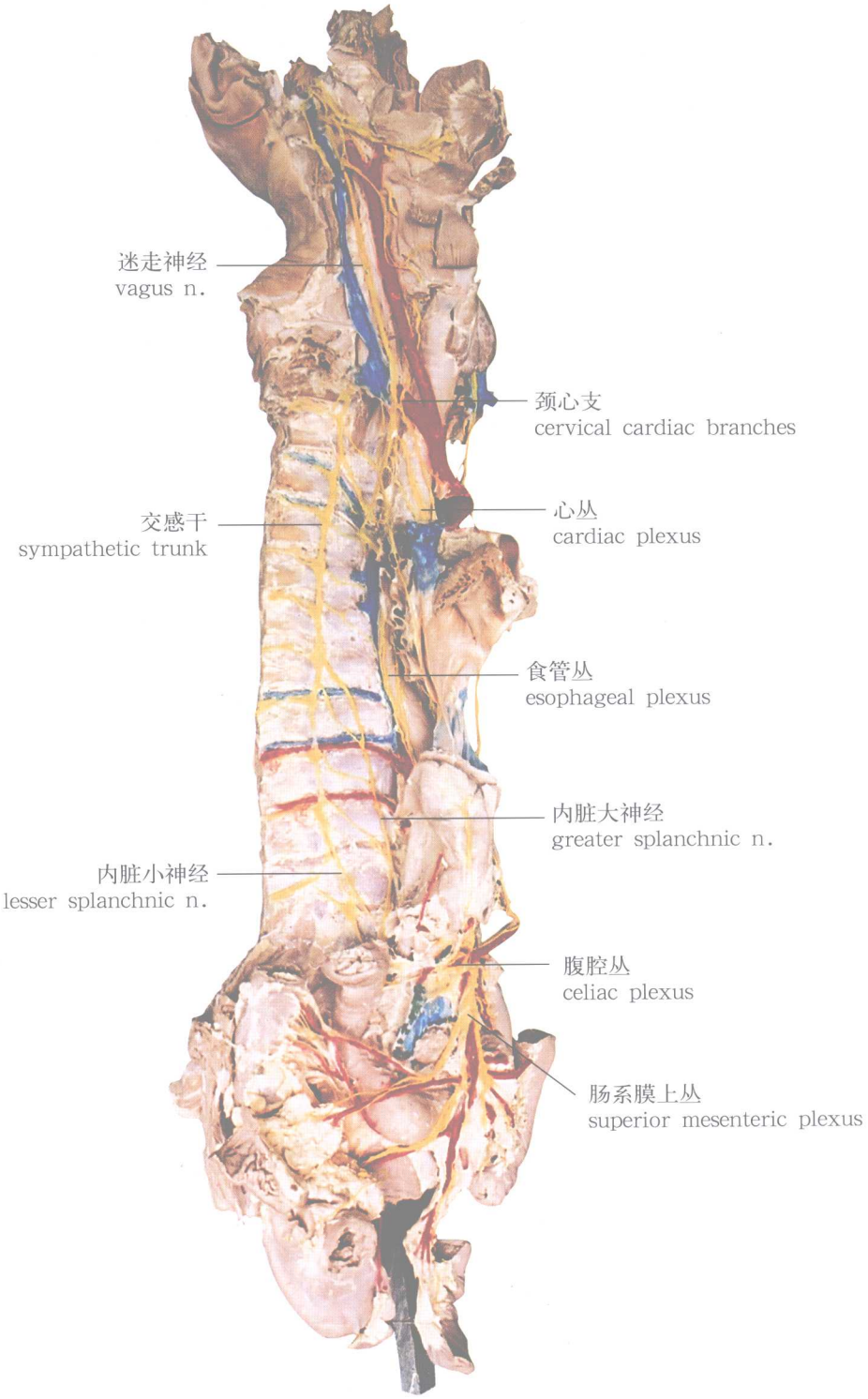


图 460　内脏神经（侧面观）

The visceral nerves (lateral aspect)

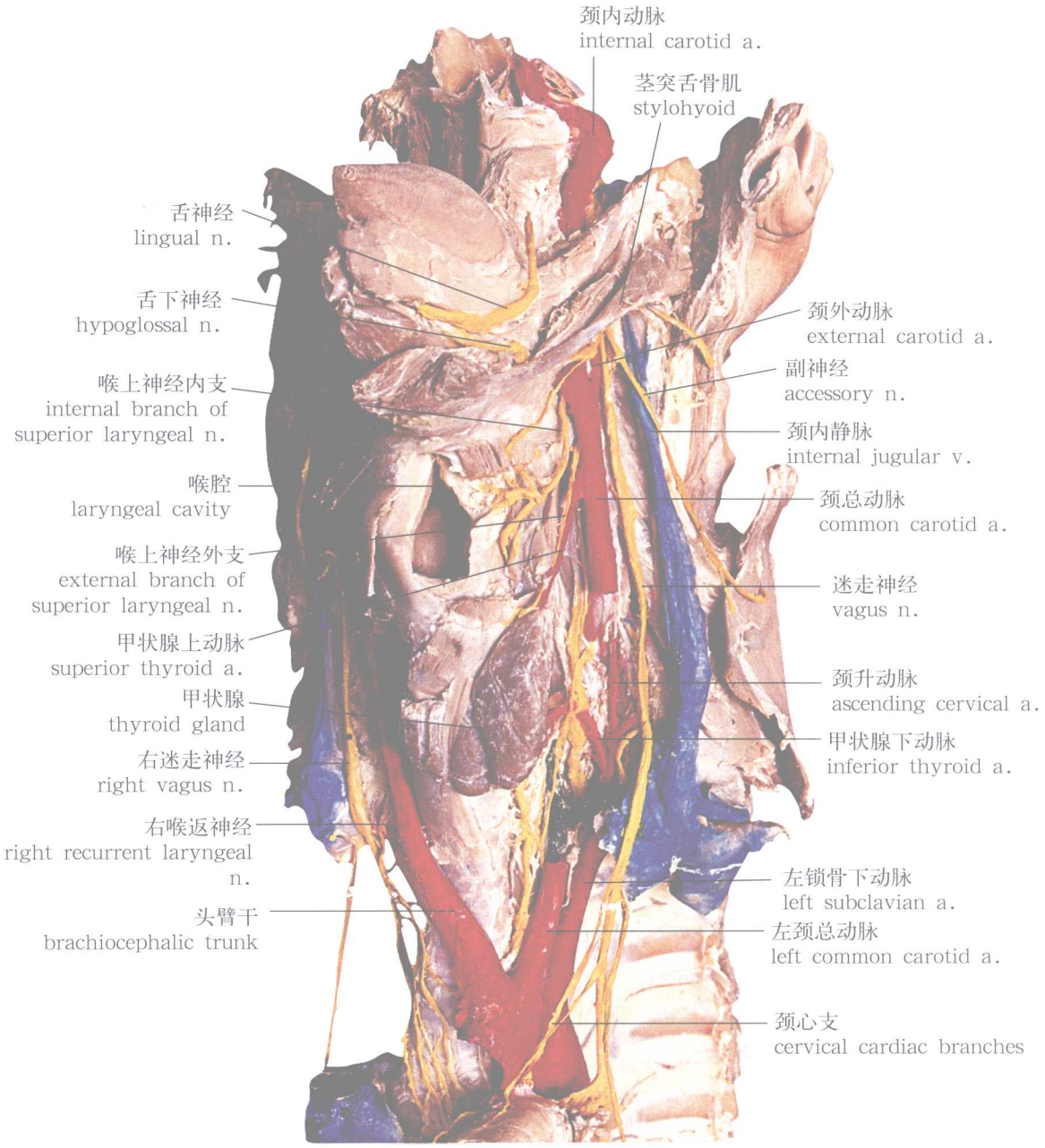


图 461　颈部的迷走神经（前面观）

The vagus nerves of the neck (anterior aspect)

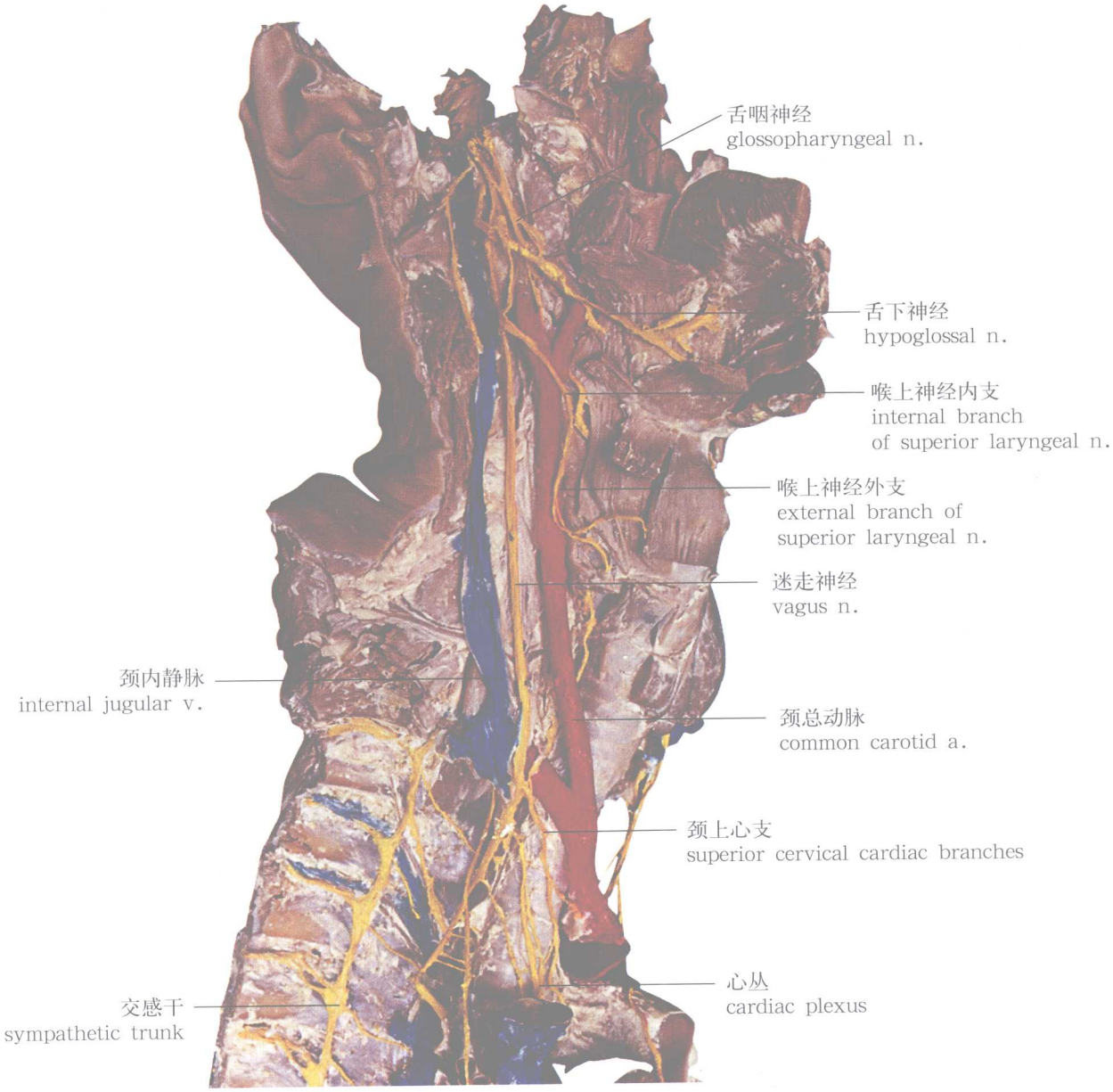


图 462　颈部的迷走神经（侧面观）

The vagus nerves of the neck (lateral aspect)

第14章

局部解剖学

REGIONAL ANATOMY

Chapter 14

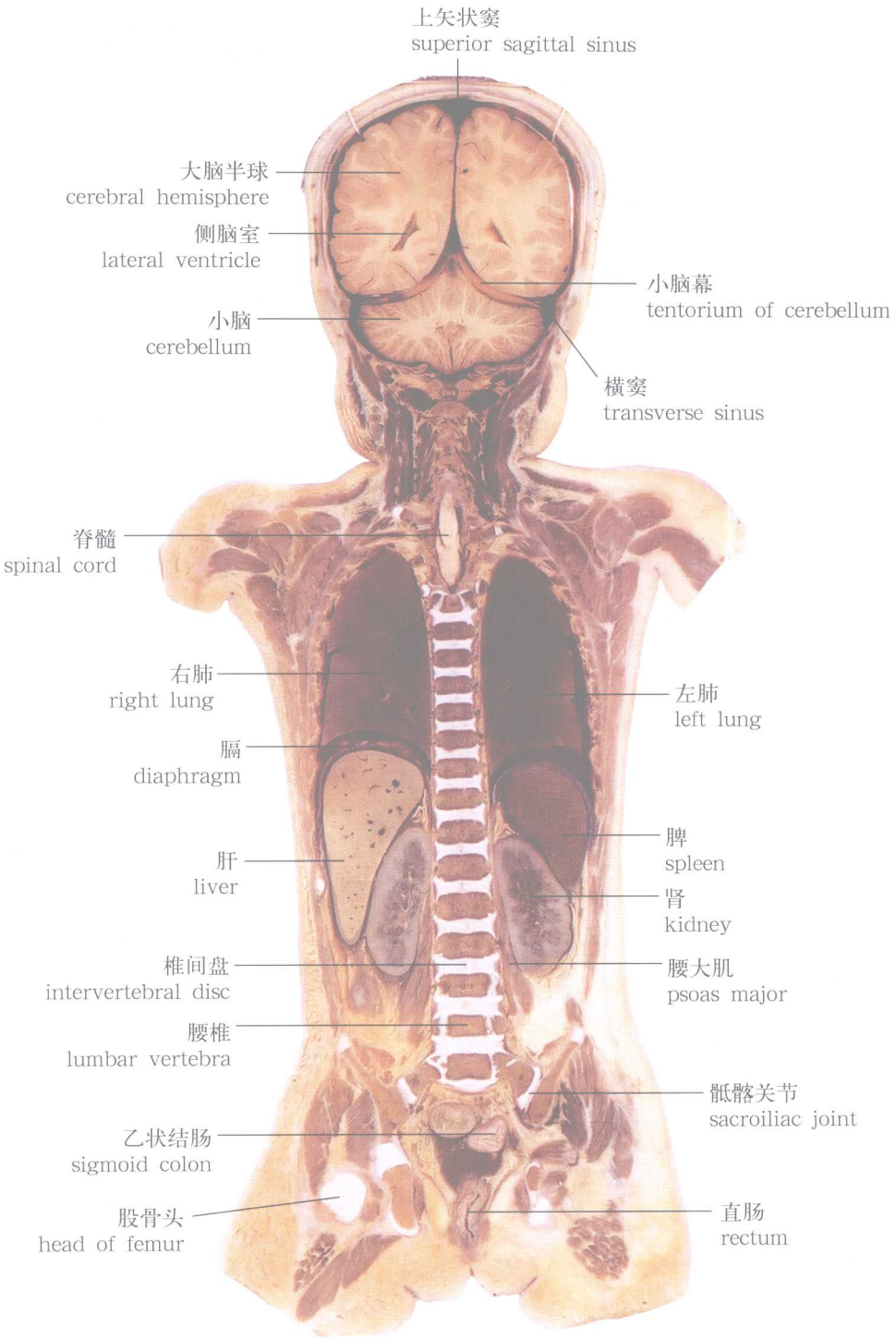


图 463 头、颈、躯干冠状切面

The coronal section of the head, neck and trunk

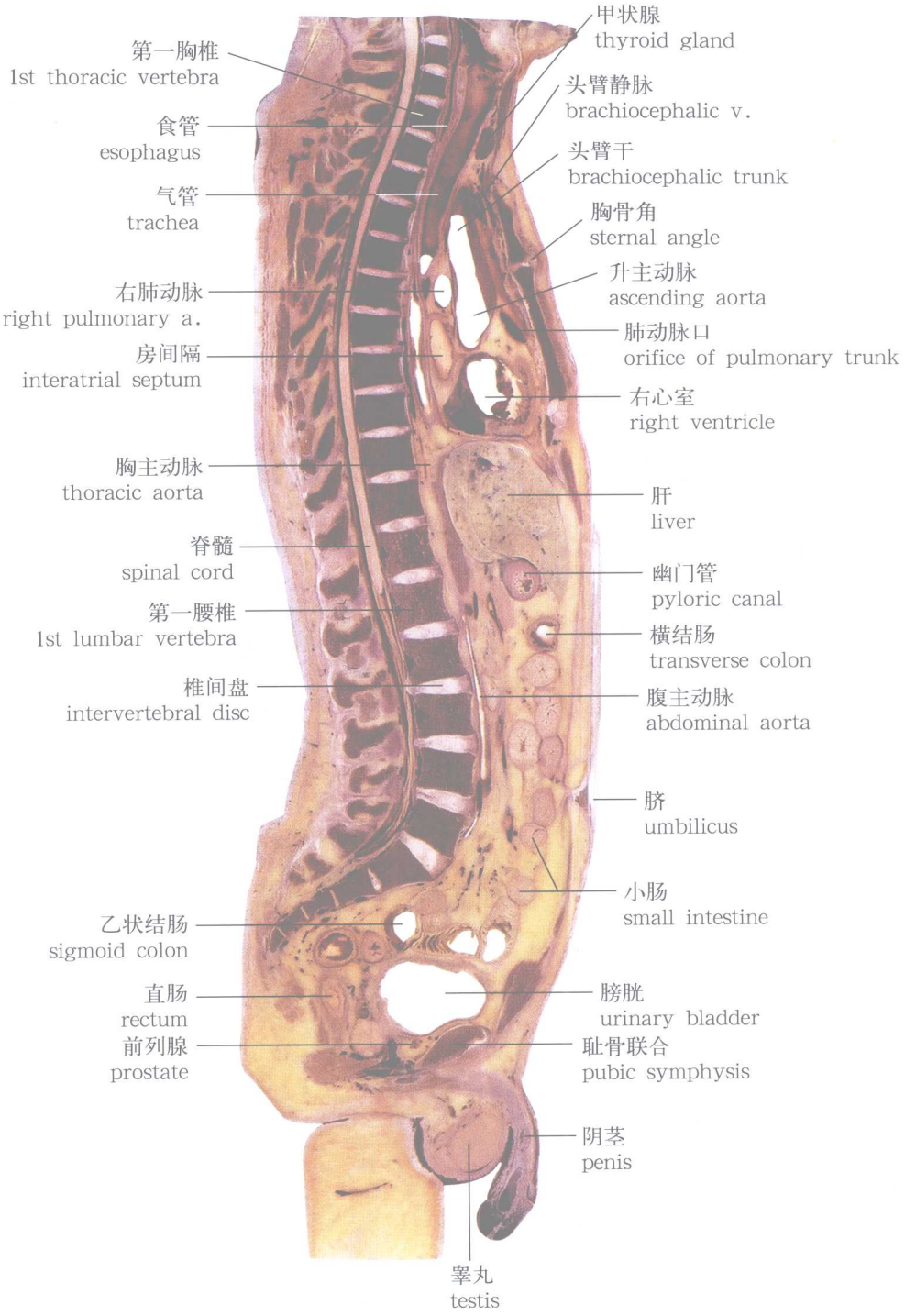


图 464　躯干正中矢状切面

The median sagittal section of the trunk

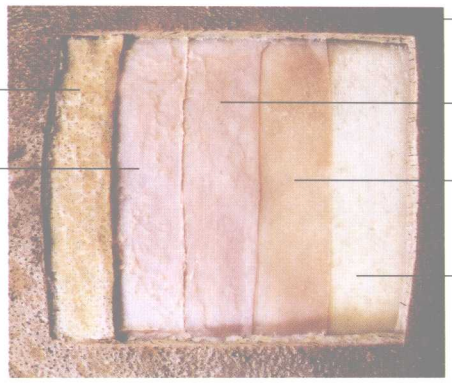


图 465　头皮层次

The layers of the scalp

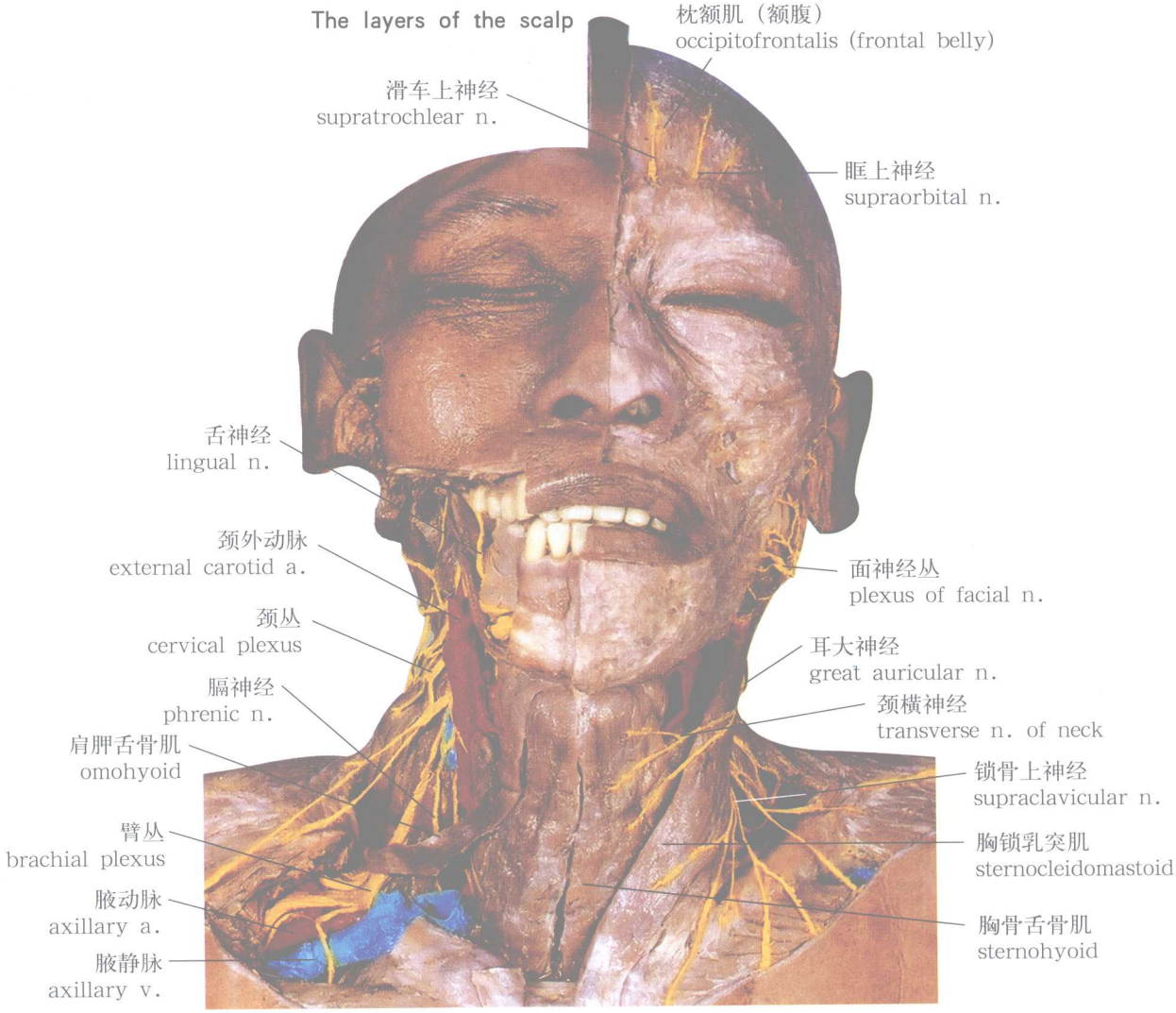


图 466　头面颈部的肌肉、血管和神经（前面观）

Muscles, blood vessels and nerves of the head, face and neck (anterior aspect)

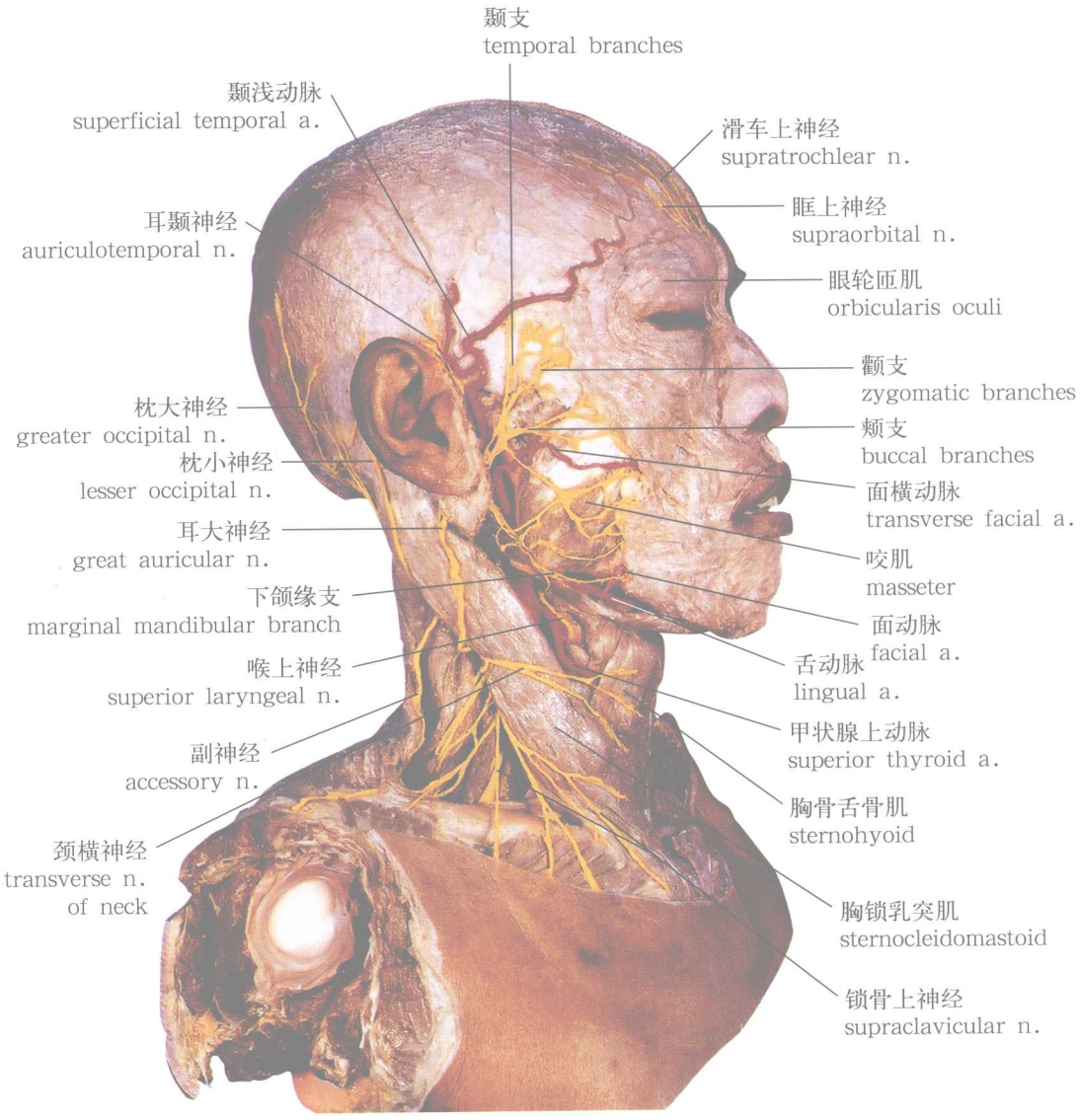


图 467　头颈部的肌肉、血管和神经（侧面观 1）

Muscles, blood vessels and nerves of the head and neck (lateral aspect 1)

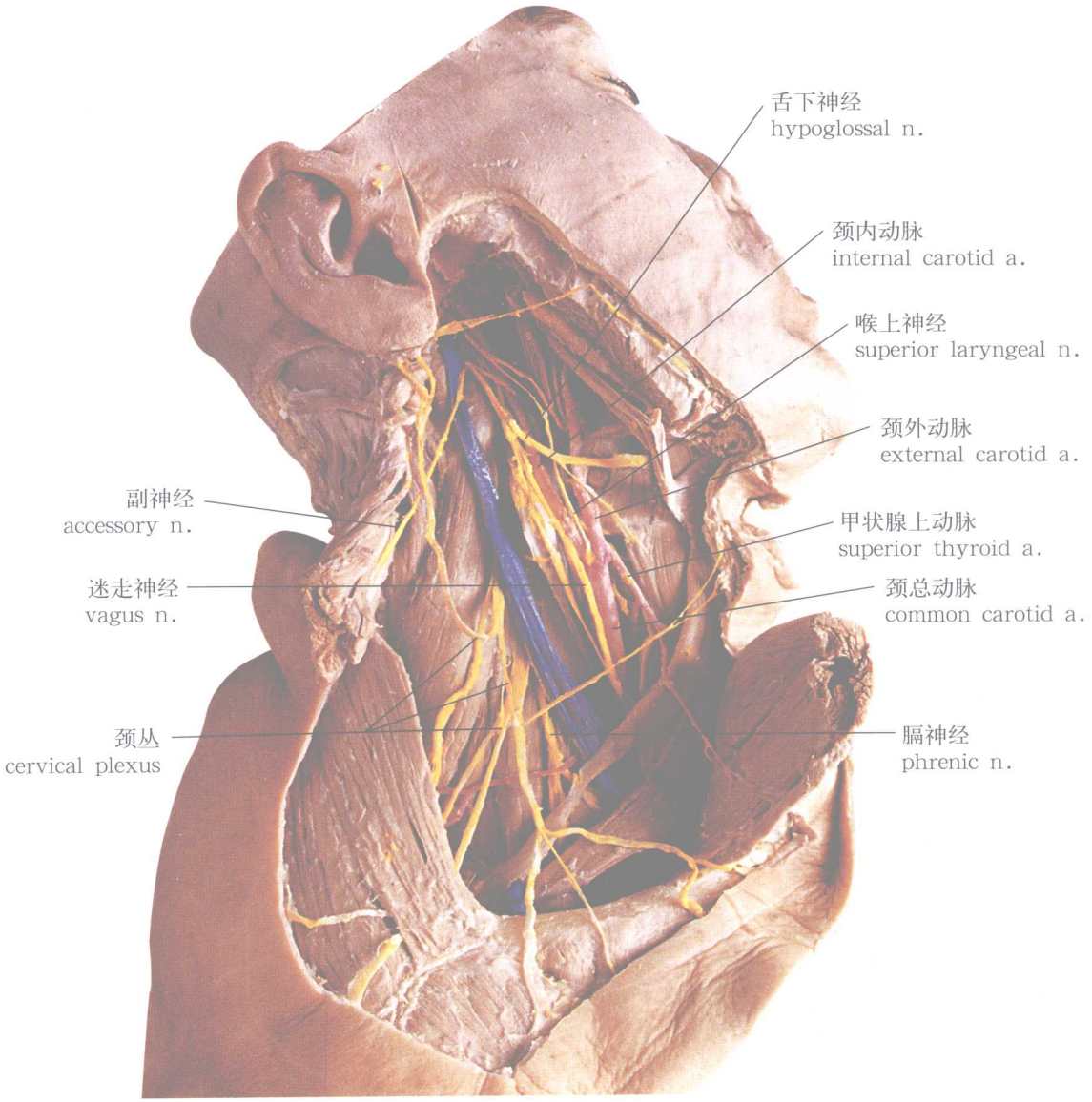


图 468　颈部的血管和神经（侧面观 2）

Blood vessels and nerves of the neck (lateral aspect 2)

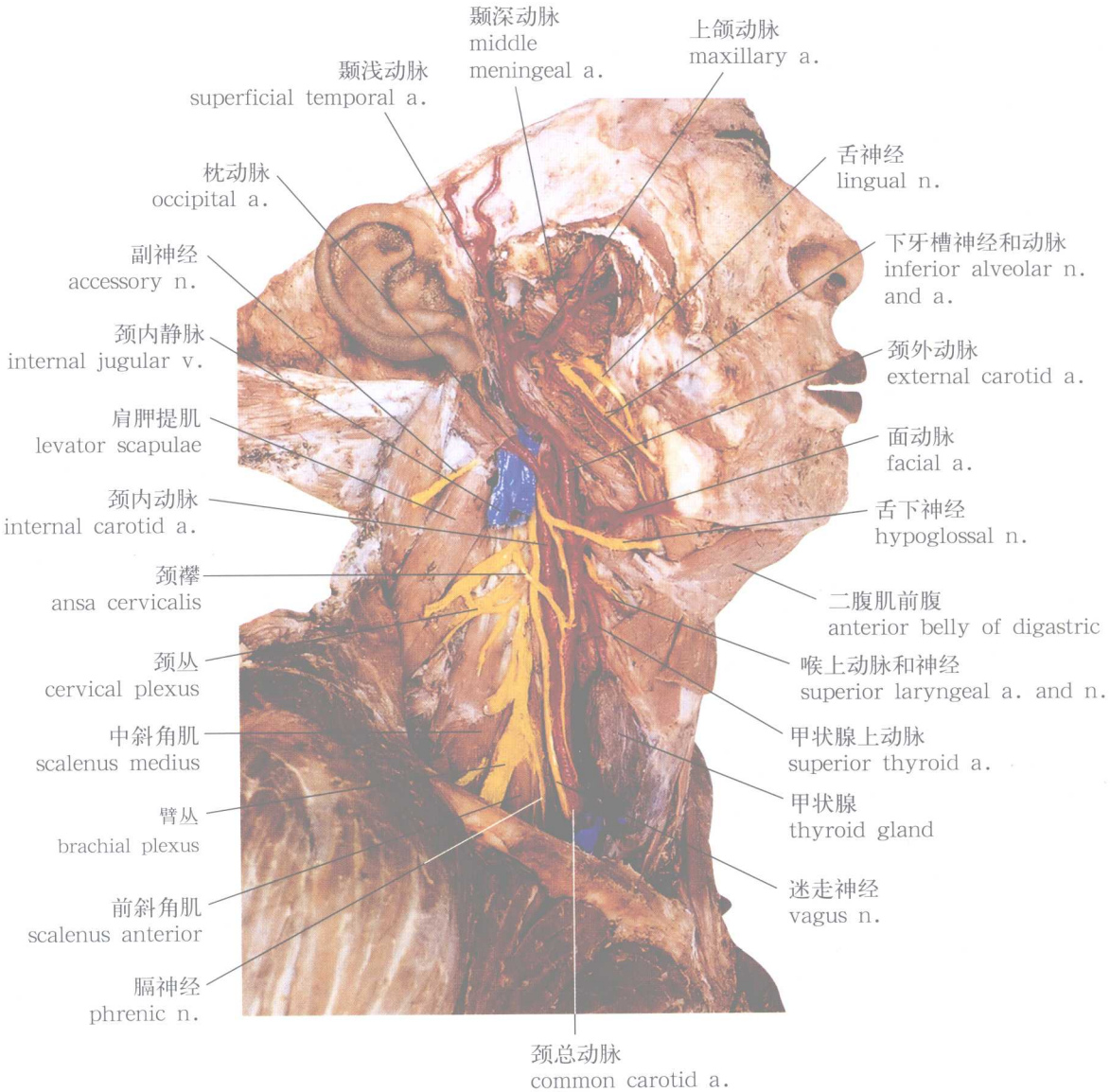


图 469　头颈部的肌肉、血管和神经（侧面观 3）

Muscles, blood vessels and nerves of the head and neck (lateral aspect 3)

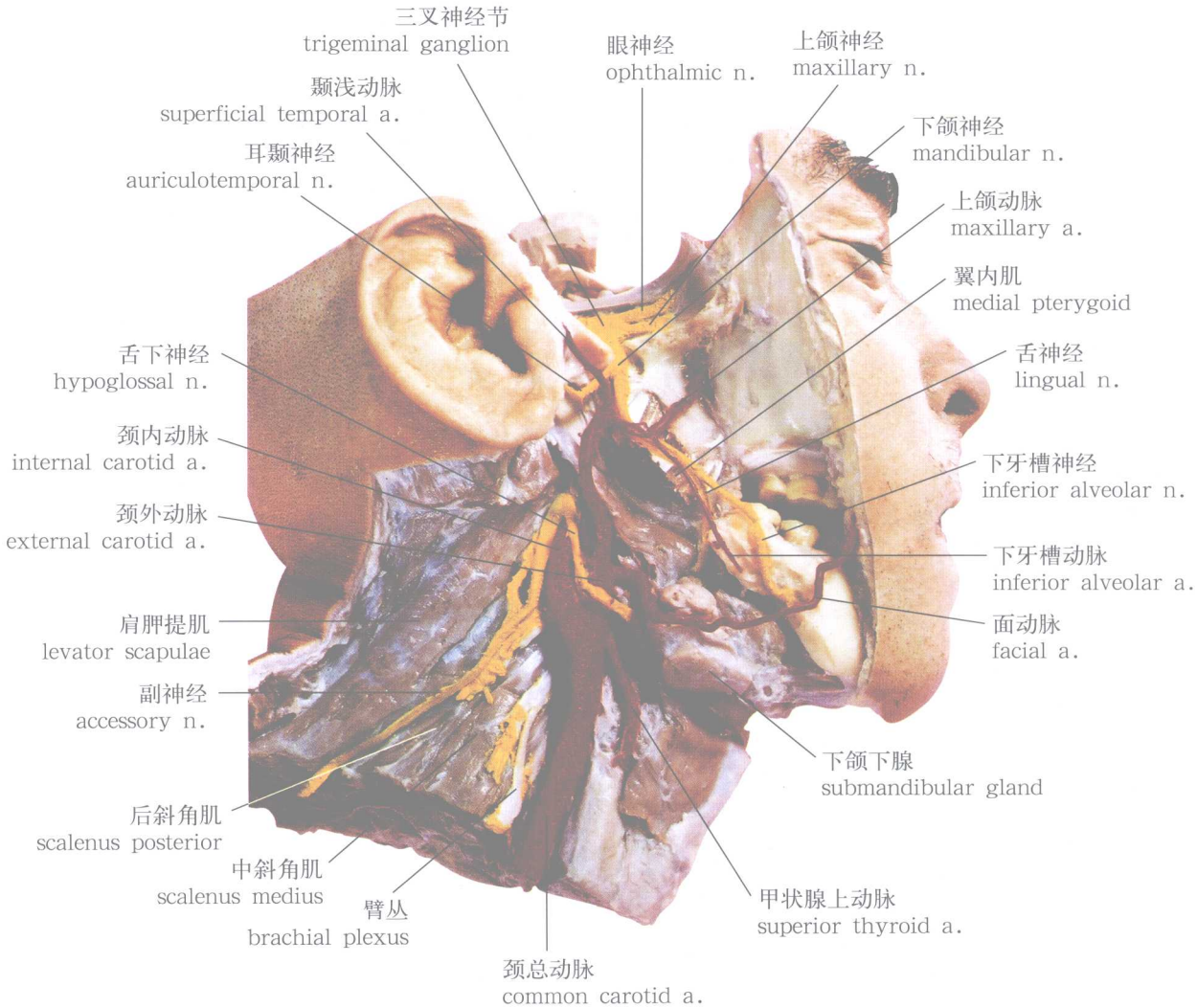


图 470　头颈部的肌肉、血管和神经（侧面观 4）

Muscles, blood vessels and nerves of the head and neck (lateral aspect 4)

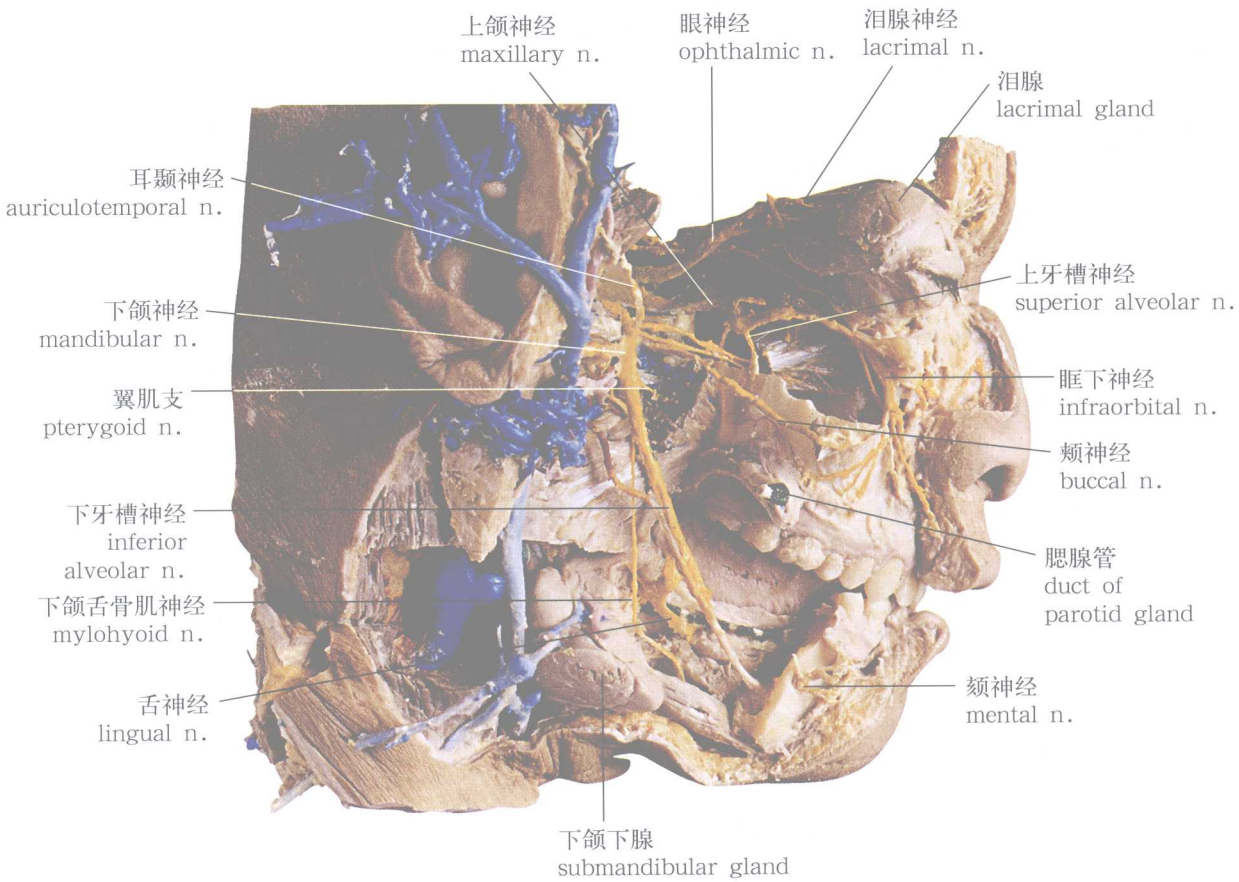


图 471　三叉神经

Branches of the trigeminal nerve

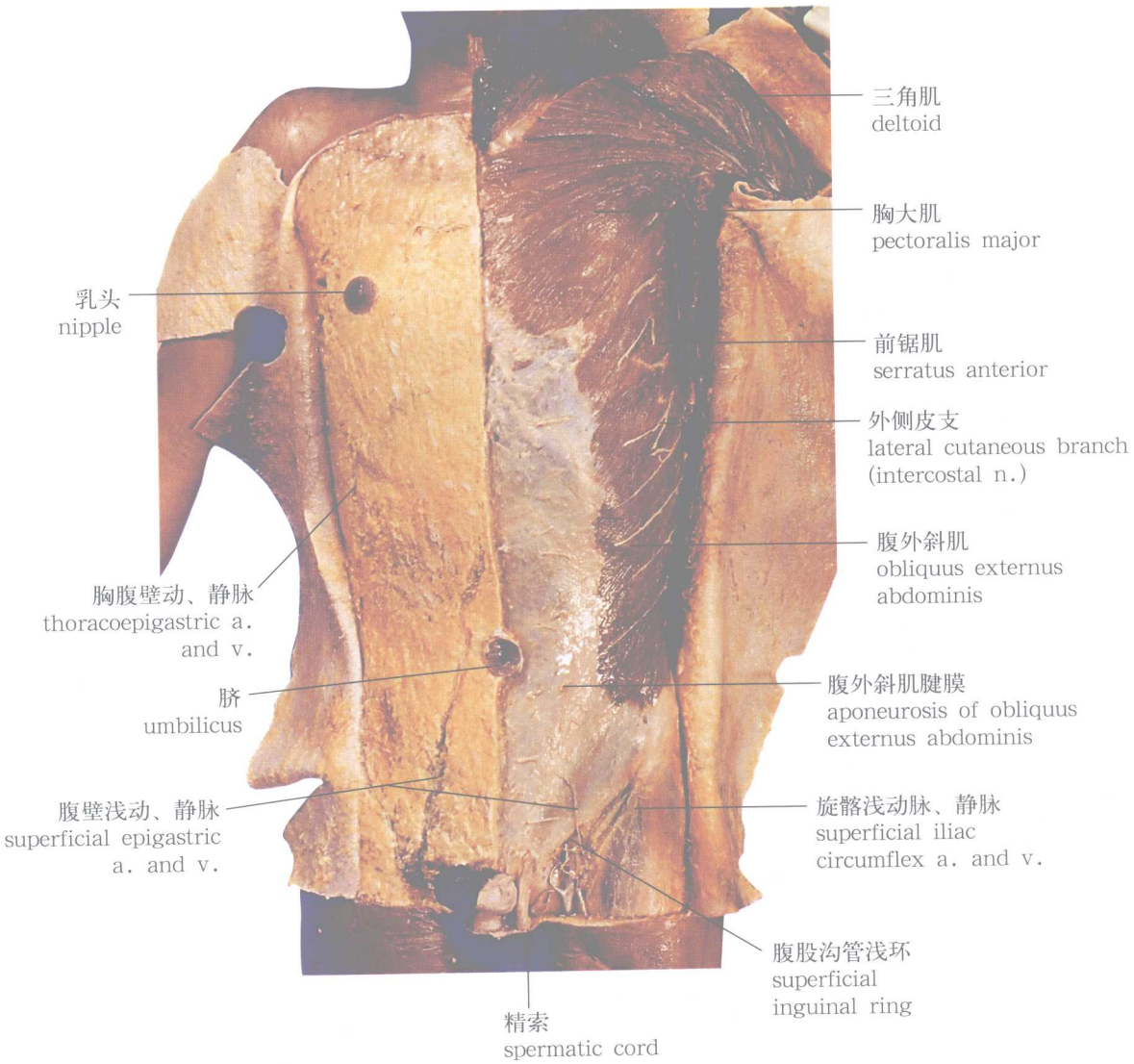


图 472 胸腹壁浅层的肌肉、血管和神经（1）

Muscles, blood vessels and nerves
of the superficial thoracoepigastric wall (1)



图 473　胸腹壁的肌肉、血管和神经（2）

Muscles, blood vessels and nerves of thoracoepigastric wall (2)

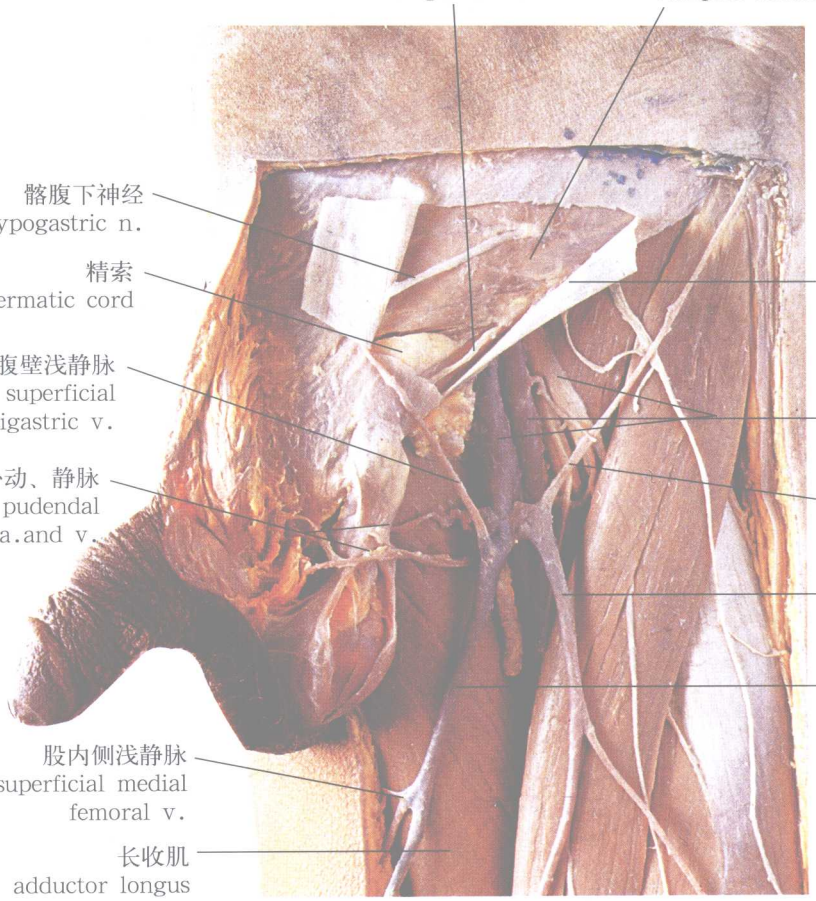


图 474　腹股沟区解剖

The inguinal region

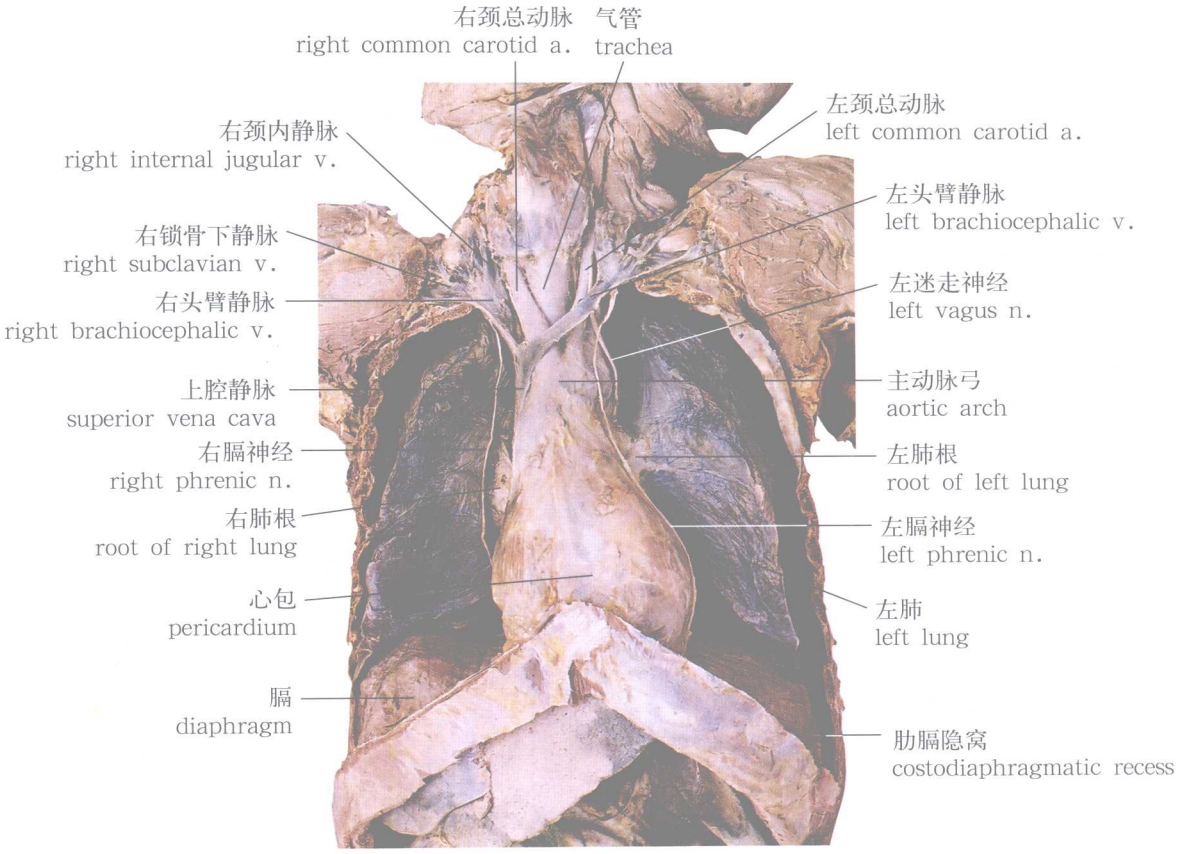


图 475　胸腔（前面观）

The thoracic cavity (anterior aspect)



图 476　胸前壁（内面观）

The anterior thoracic wall (internal aspect)

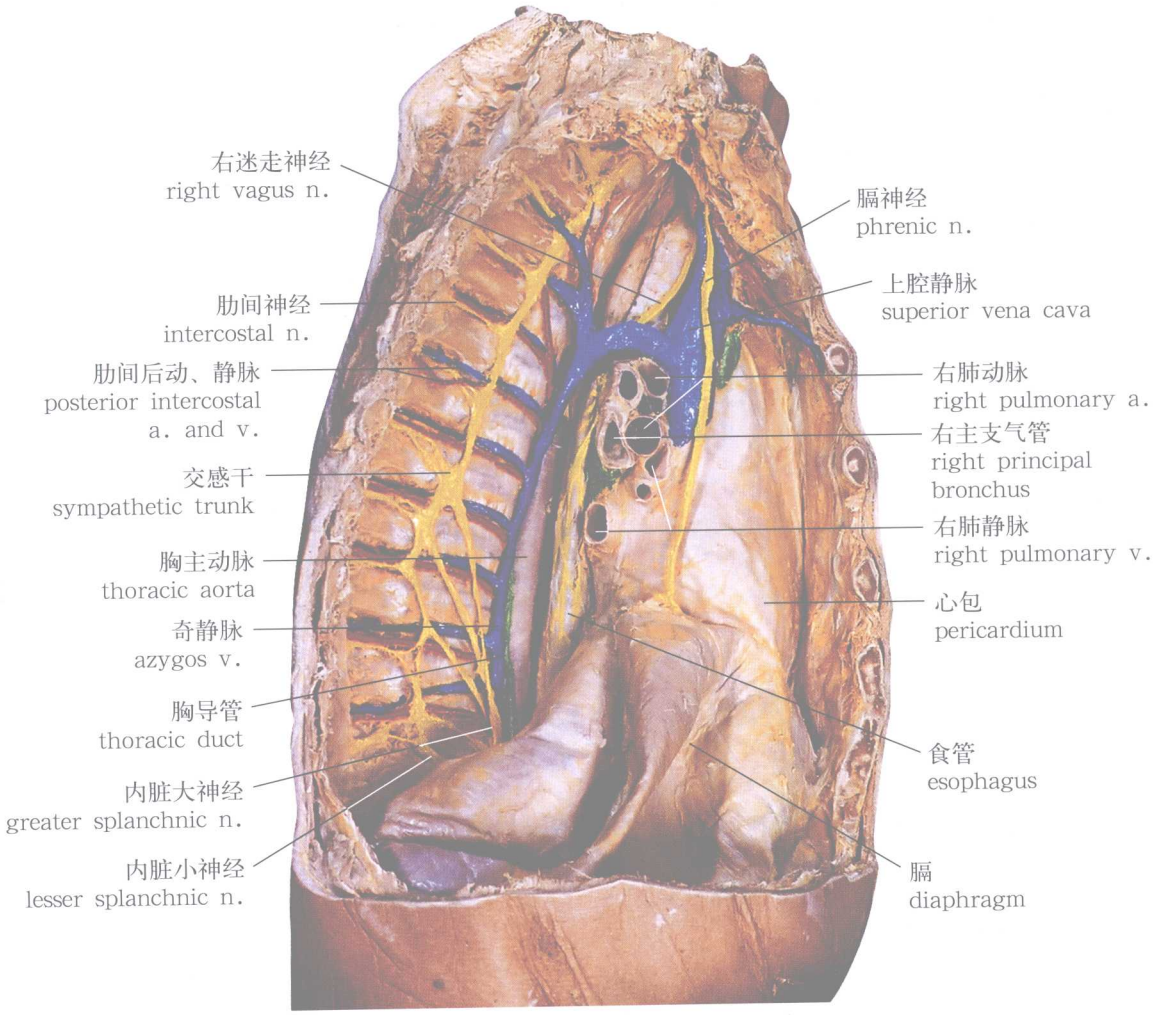


图 477　纵隔（右侧面观）

The mediastinum (right aspect)

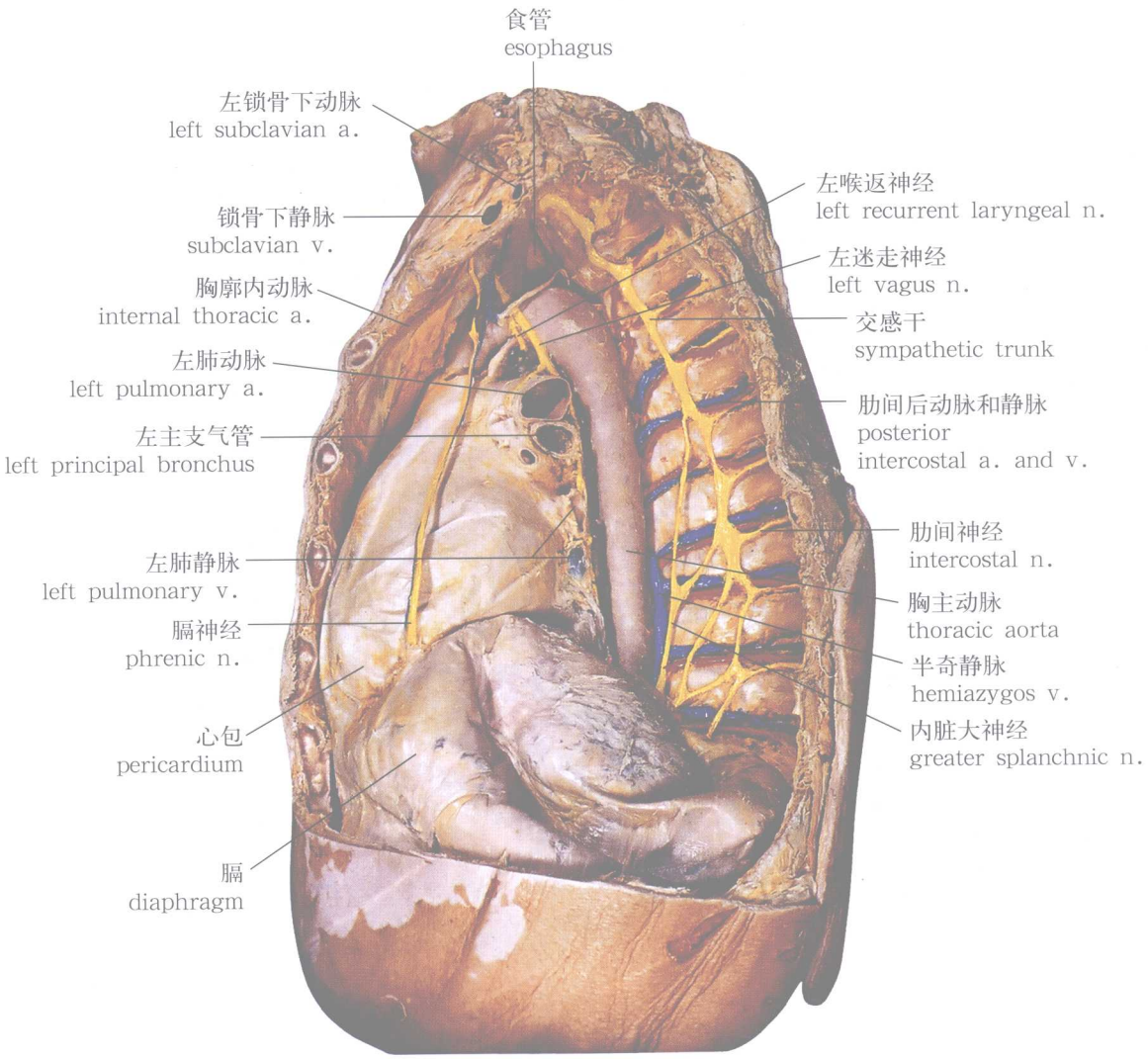


图 478 纵隔（左侧面观）

The mediastinum (left aspect)

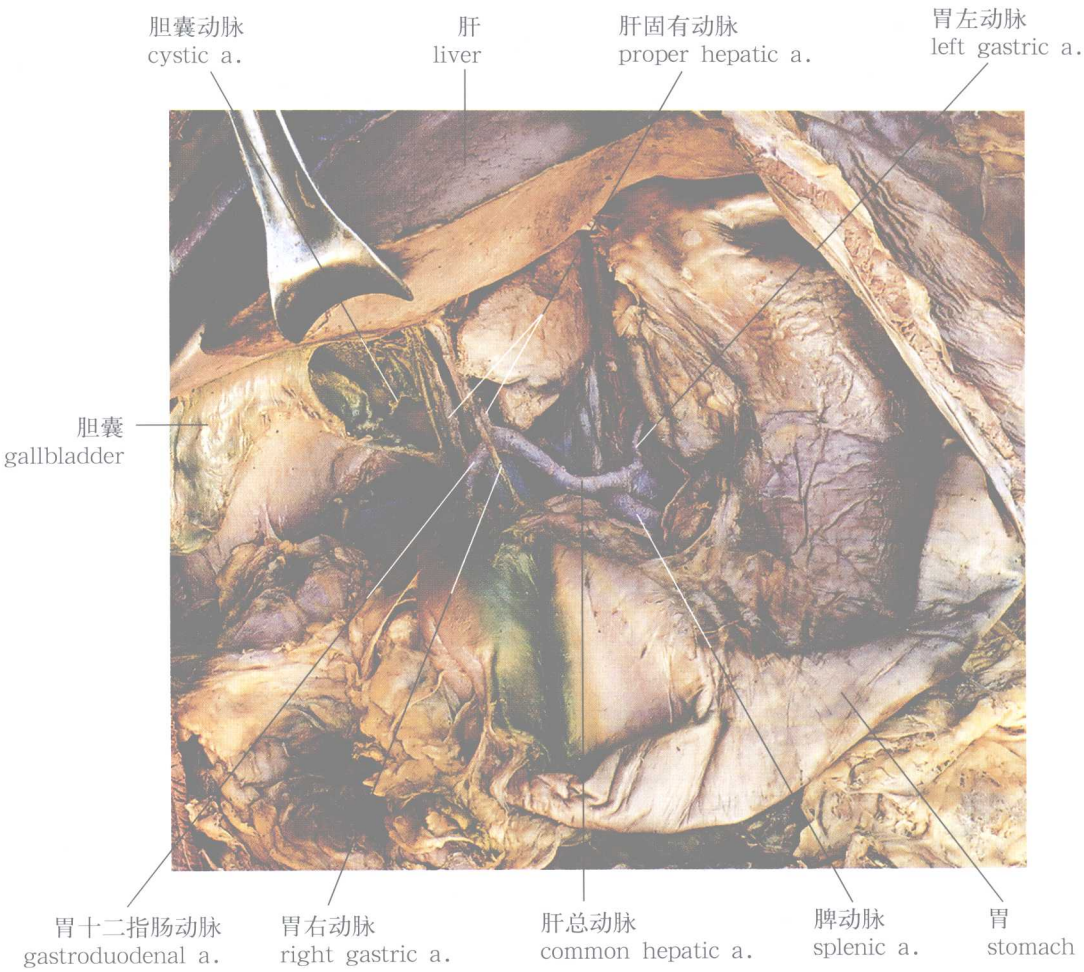


图 479　腹上部器官和腹腔动脉

Viscera of the upper abdomen and celiac artery

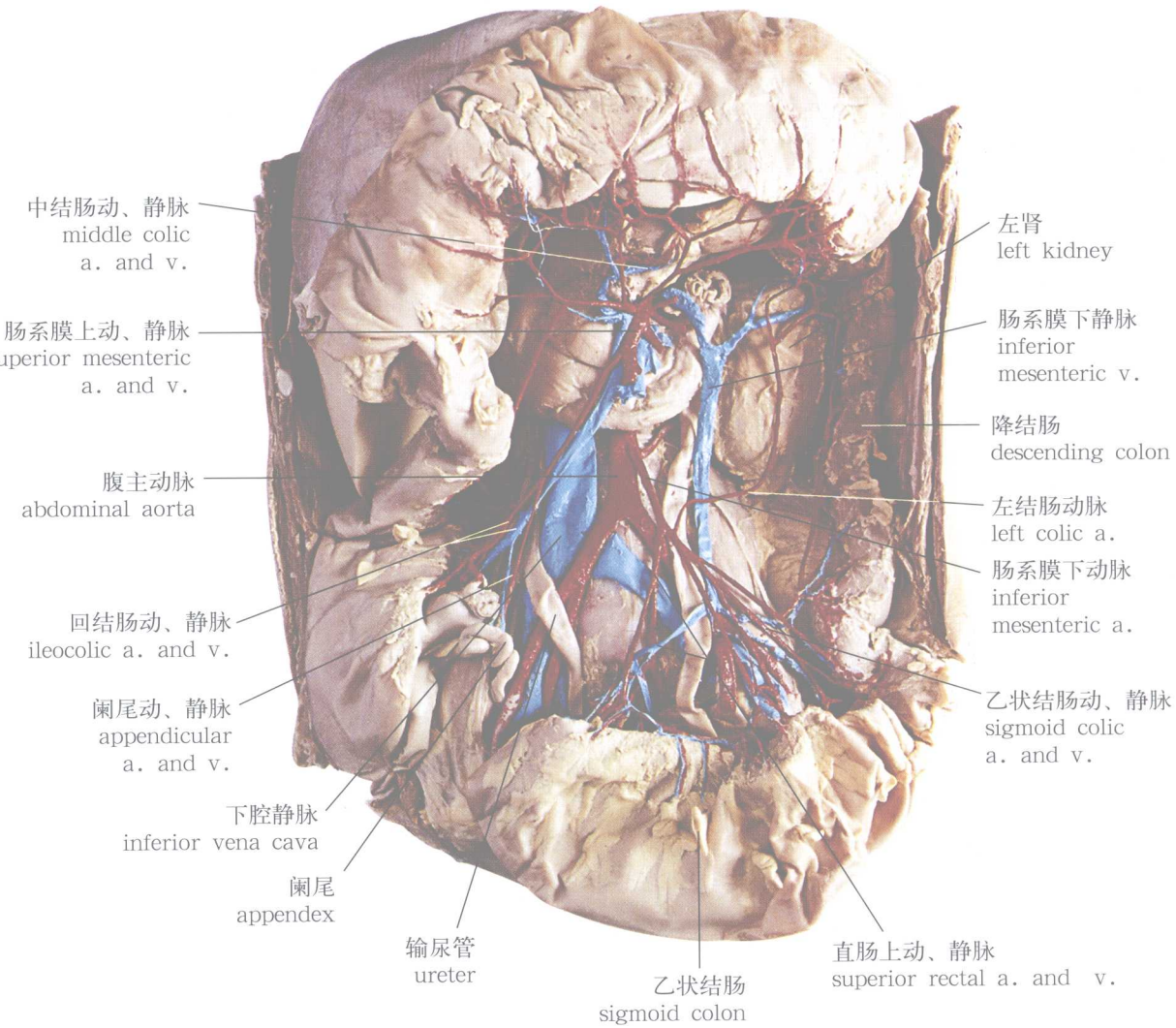


图 480　腹下部器官和血管（1）

Viscera of the lower abdomen and blood vessels (1)

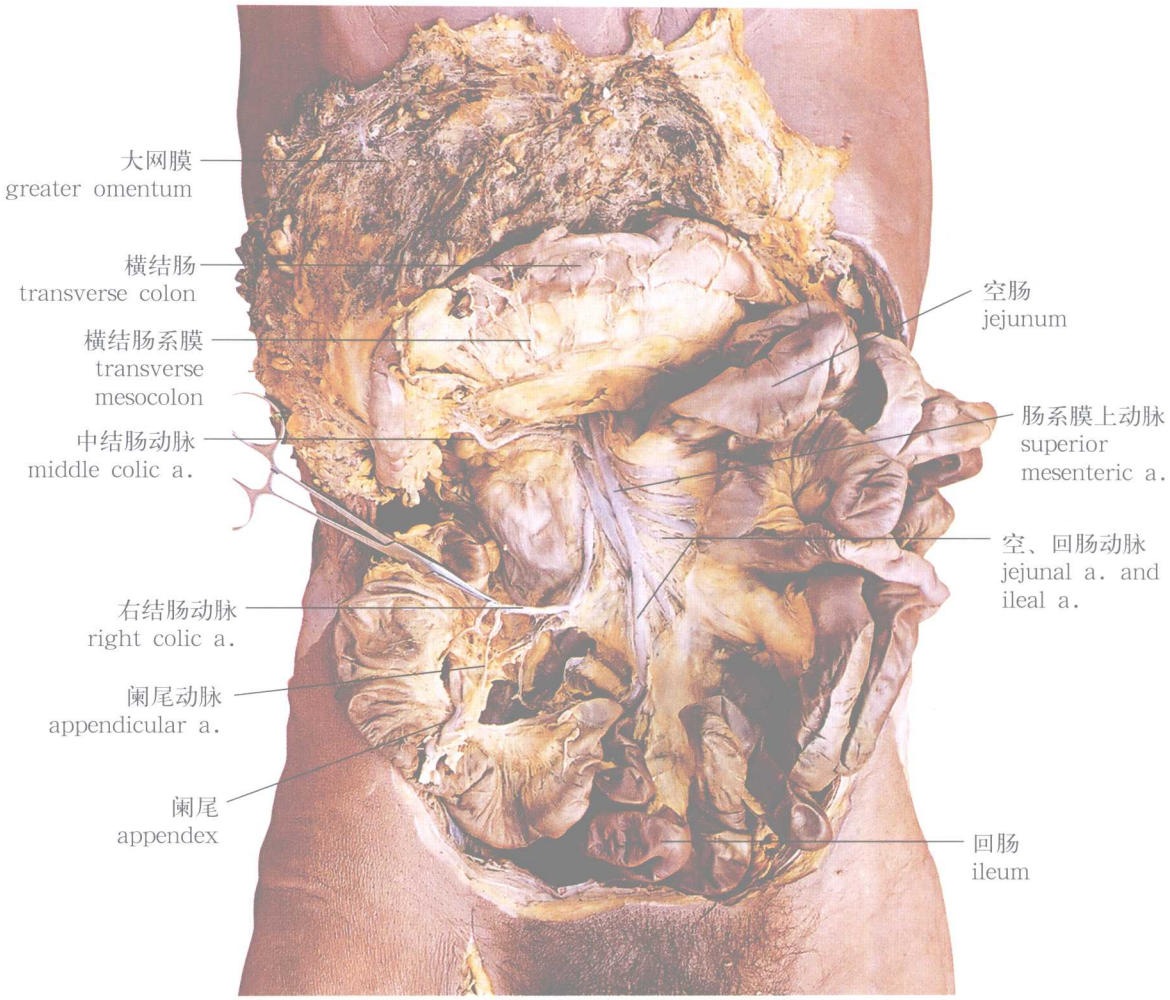


图 481　腹下部器官和血管（2）

Viscera of the lower abdomen and blood vessels (2)

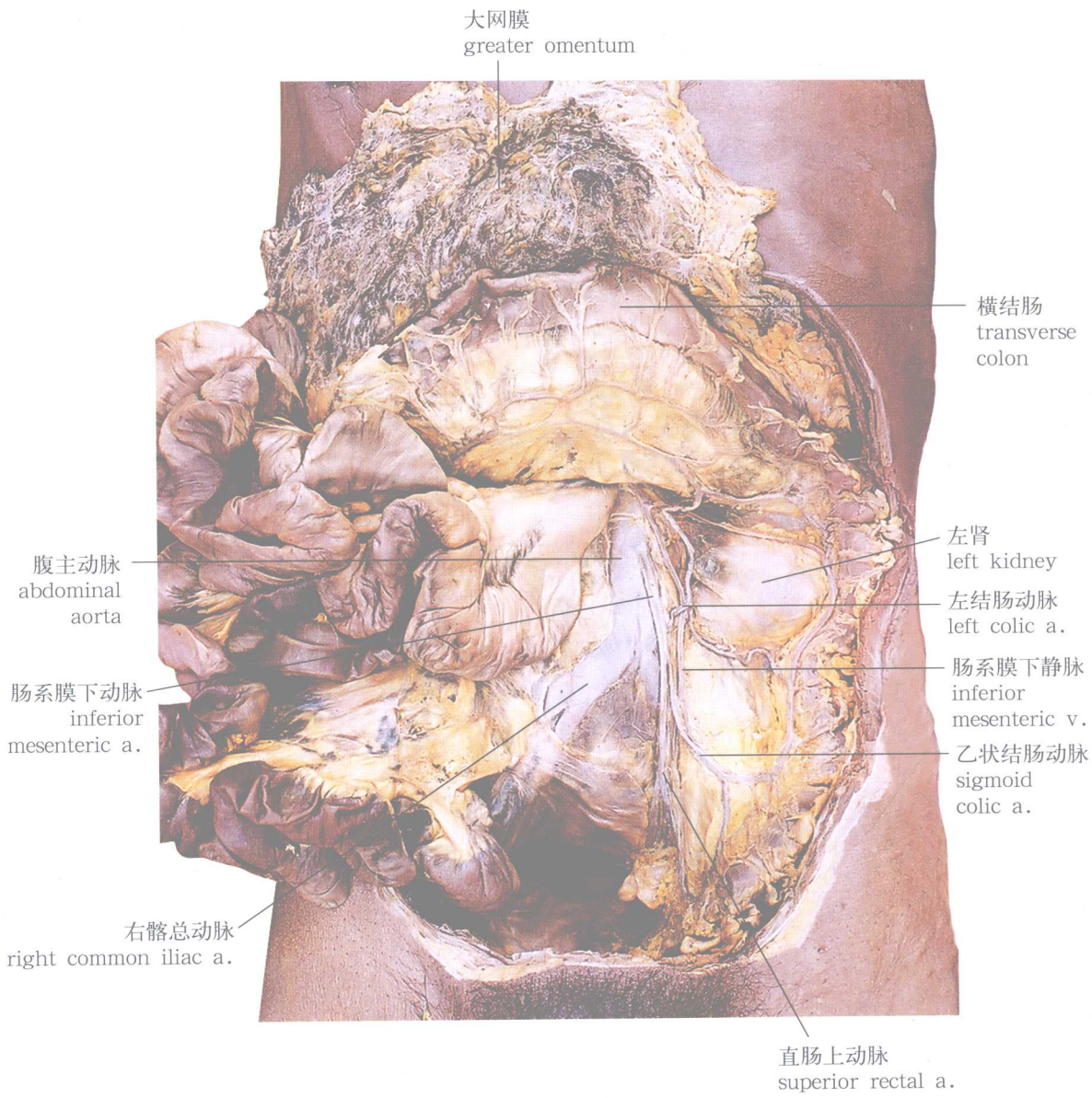


图 482 腹下部器官和血管（3）

Viscera of the lower abdomen and blood vessels (3)

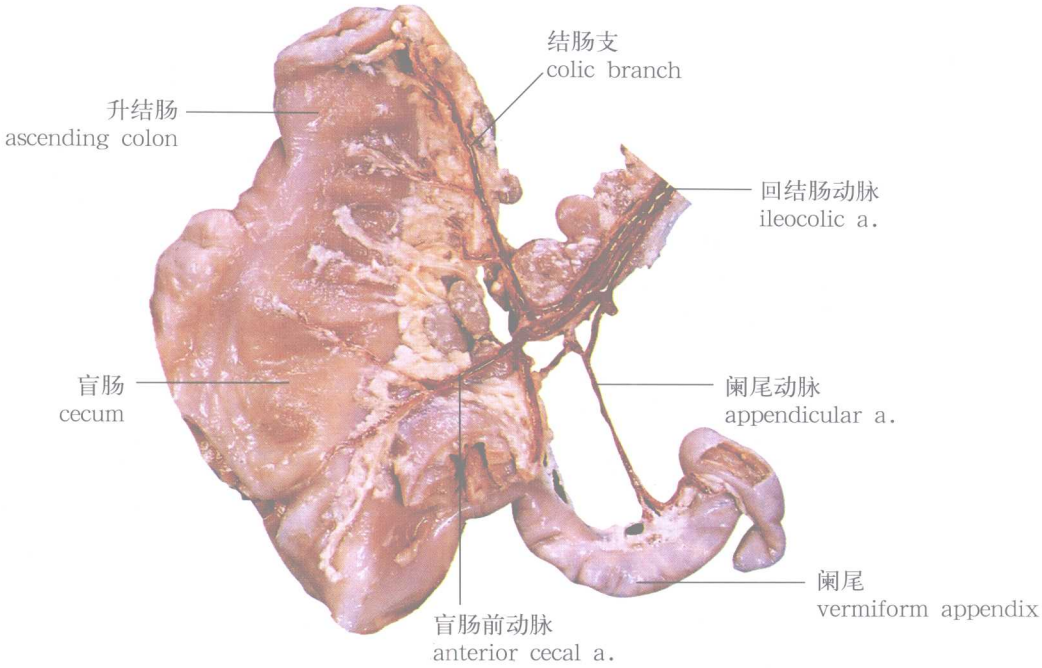


图 483　回盲部的动脉
Arteries of the ileocecal region

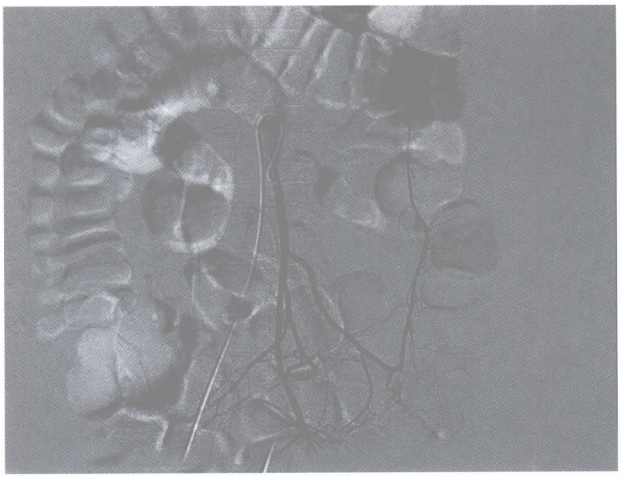


图 484　腹下部器官和血管（1）
Viscera of the lower abdomen and blood vessels (1)

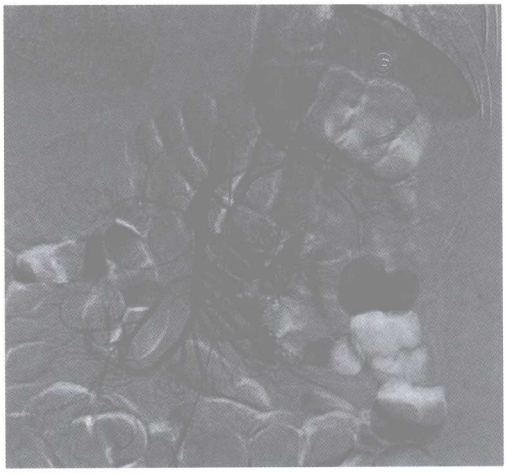


图 485　腹下部器官和血管（2）
Viscera of the lower abdomen and blood vessels (2)

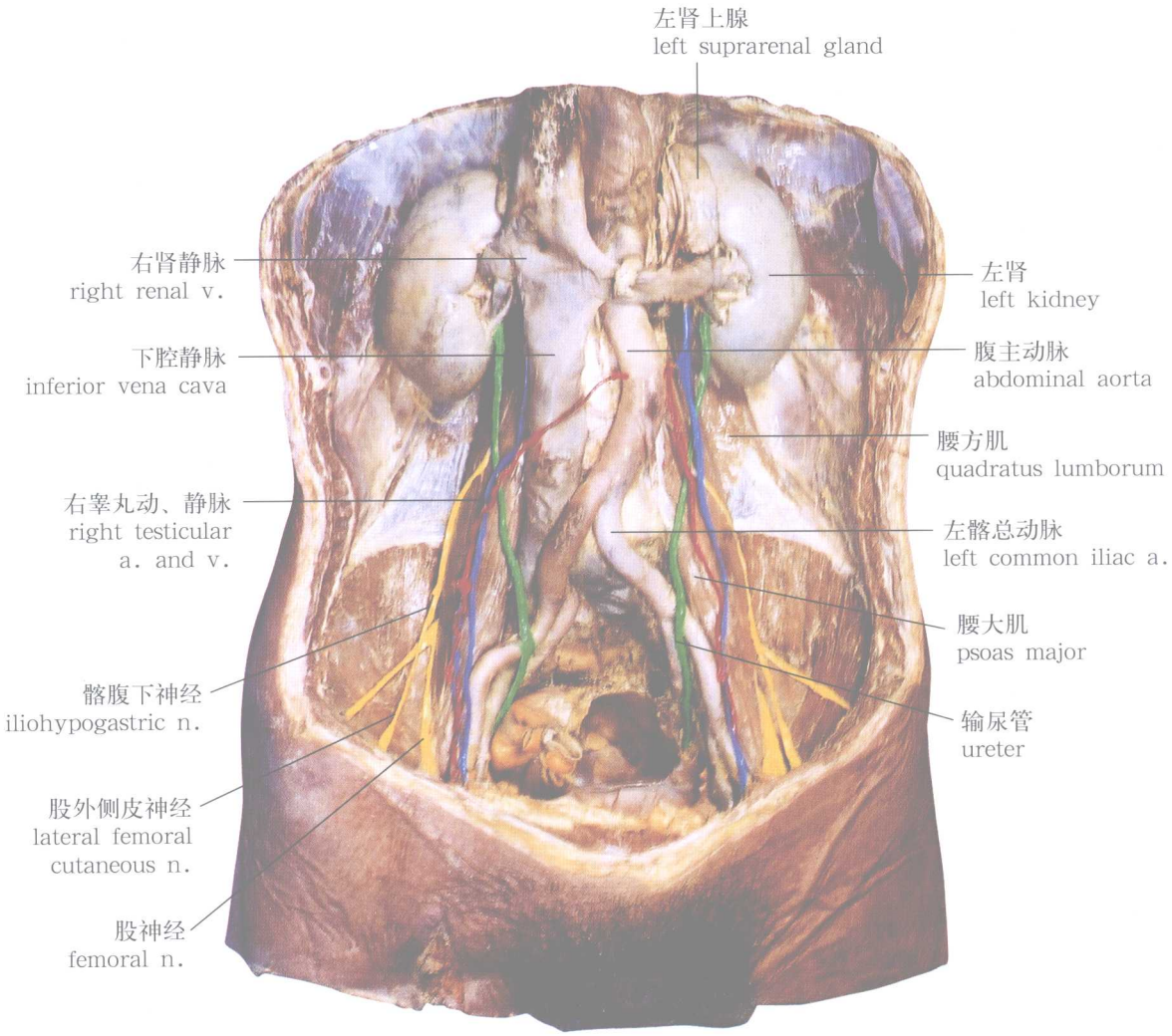


图 486　腹后壁（前面观 1）

Posterior wall of the abdomen (anterior aspect 1)

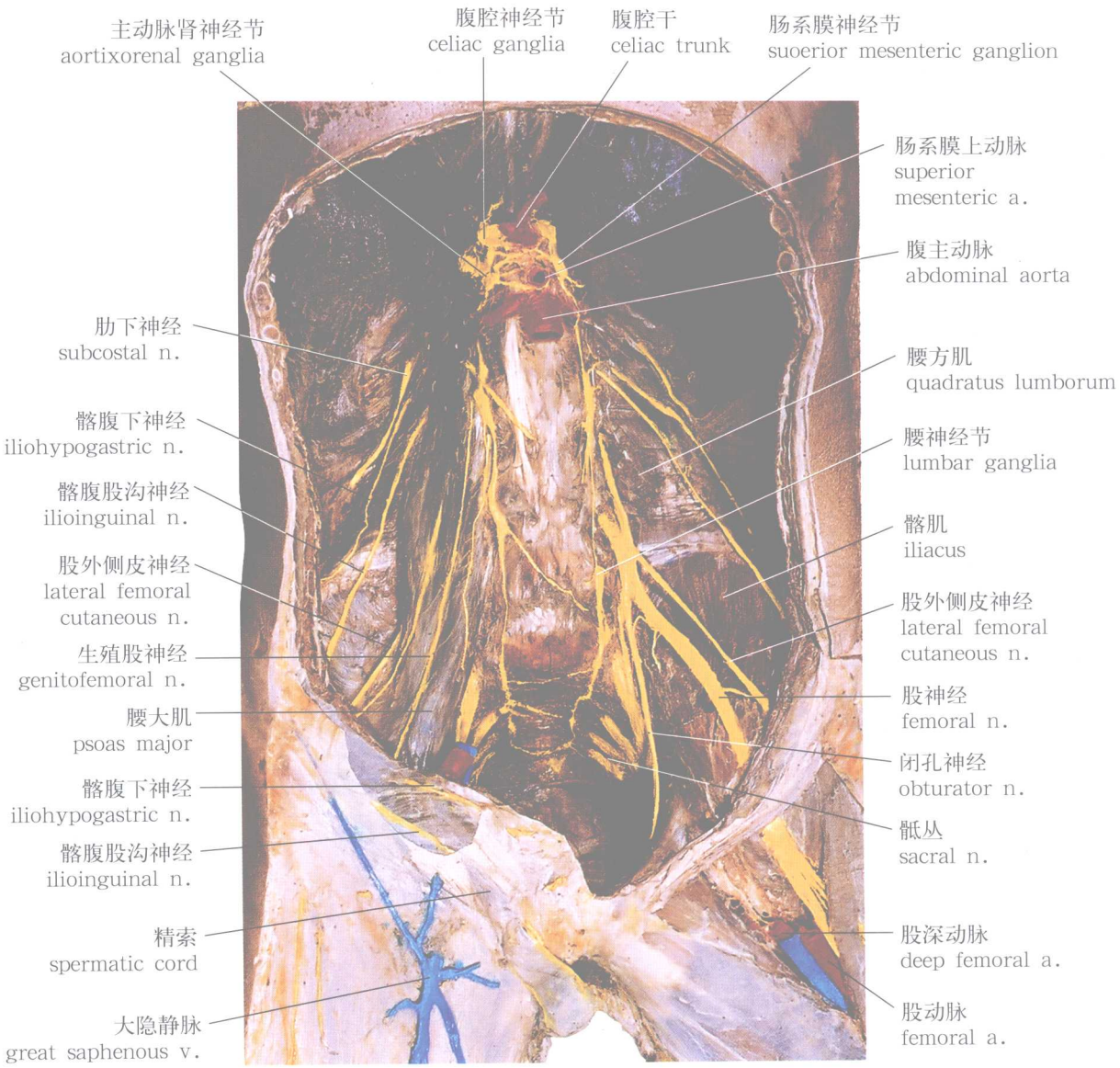


图 487　腹后壁　（前面观 2）

Posterior wall of the abdomen (anterior aspect 2)

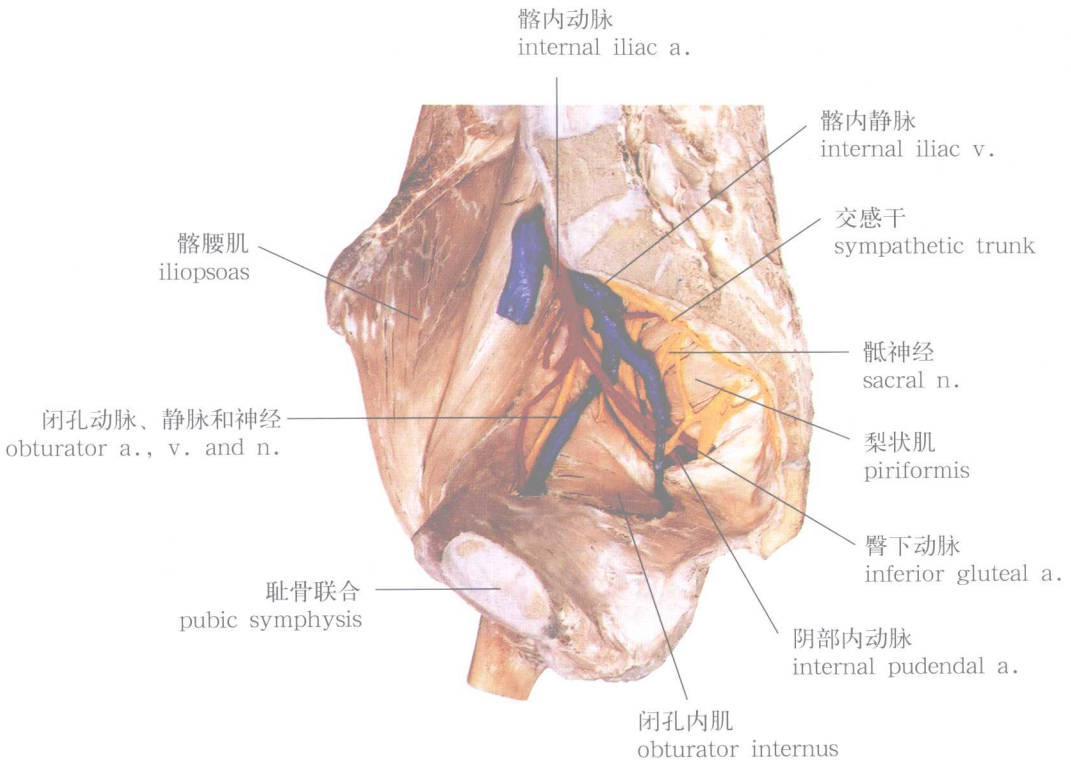


图 488　盆腔后外侧壁的血管和神经

Blood vessels and nerves of the lateroposterior wall of the pelvis

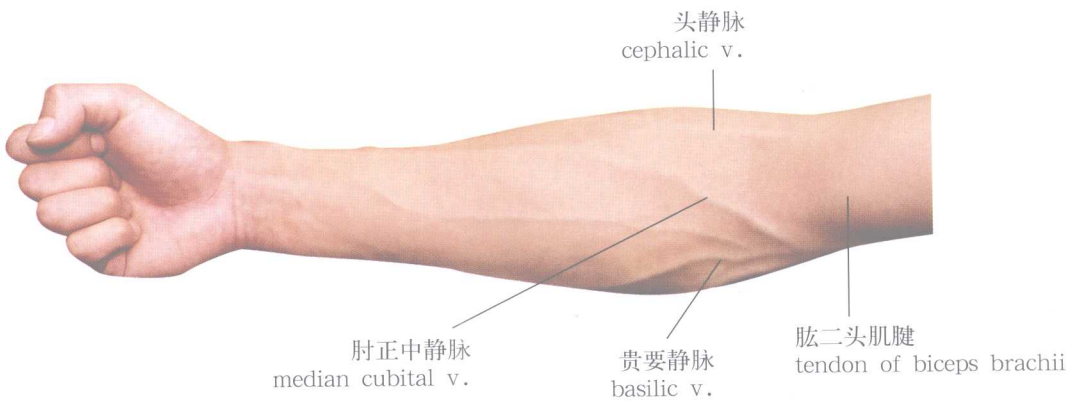


图 489　上肢的浅静脉

Superficial veins of the upper limb

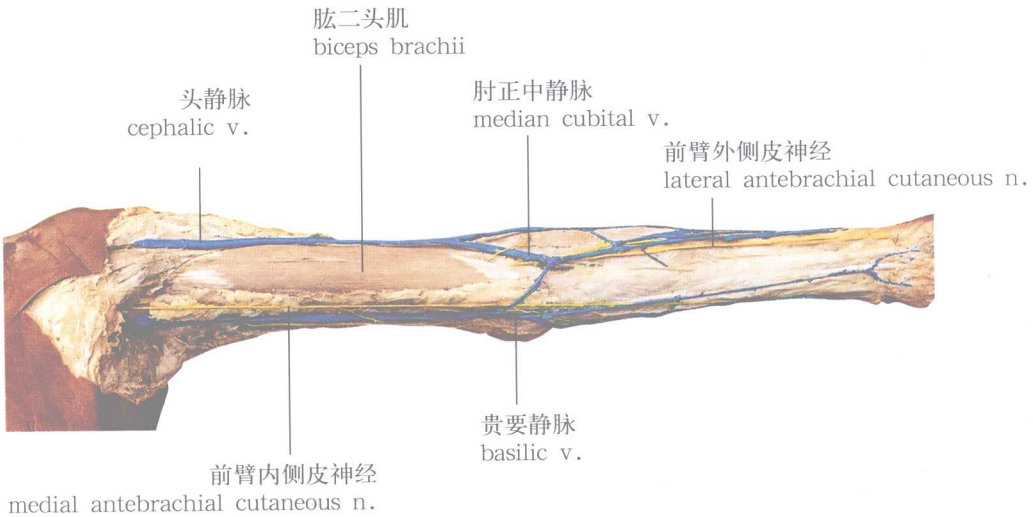


图 490　上肢的浅静脉和皮神经

Superficial veins and cutaneous nerves of the upper limb

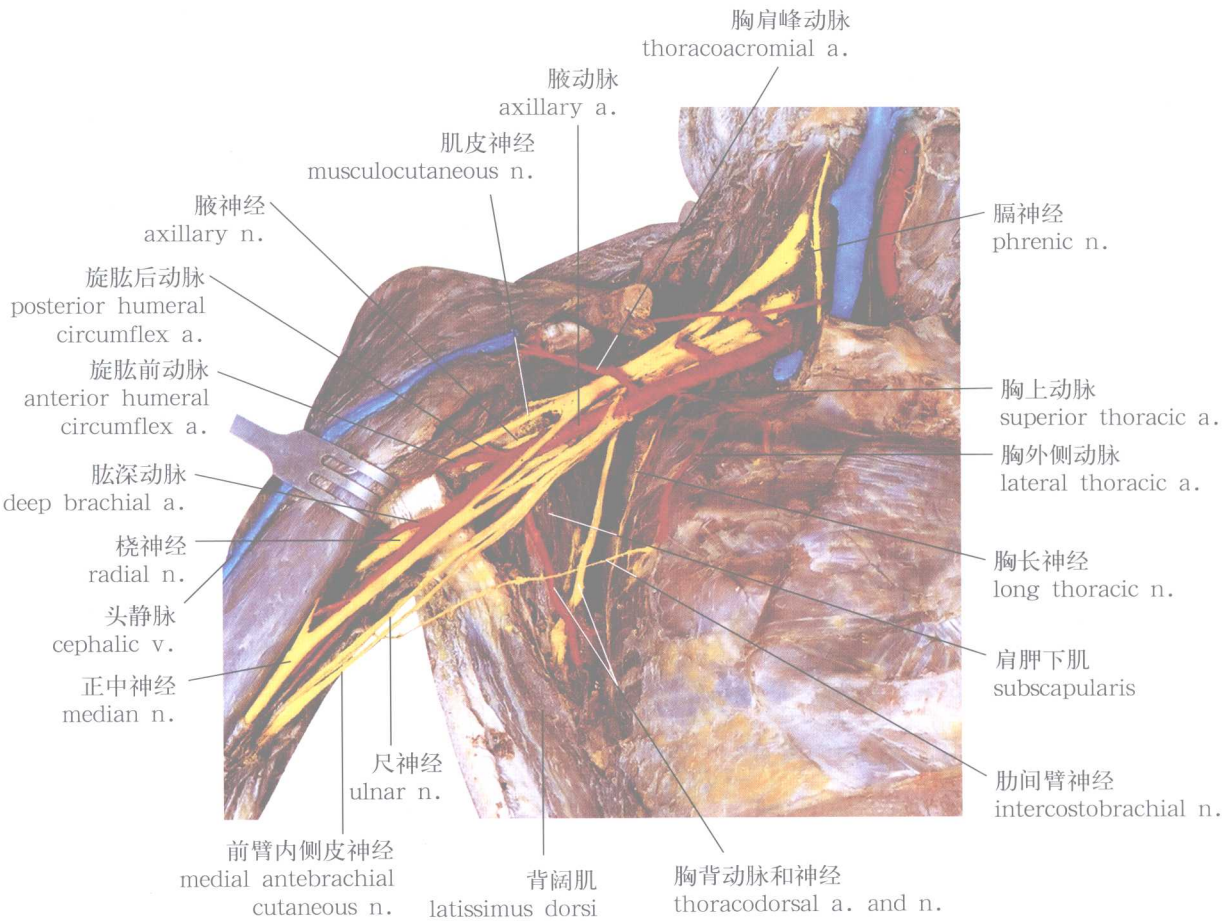


图 491　腋窝的血管和神经（1）

Blood vessels and nerves of the axillary fossa (1)

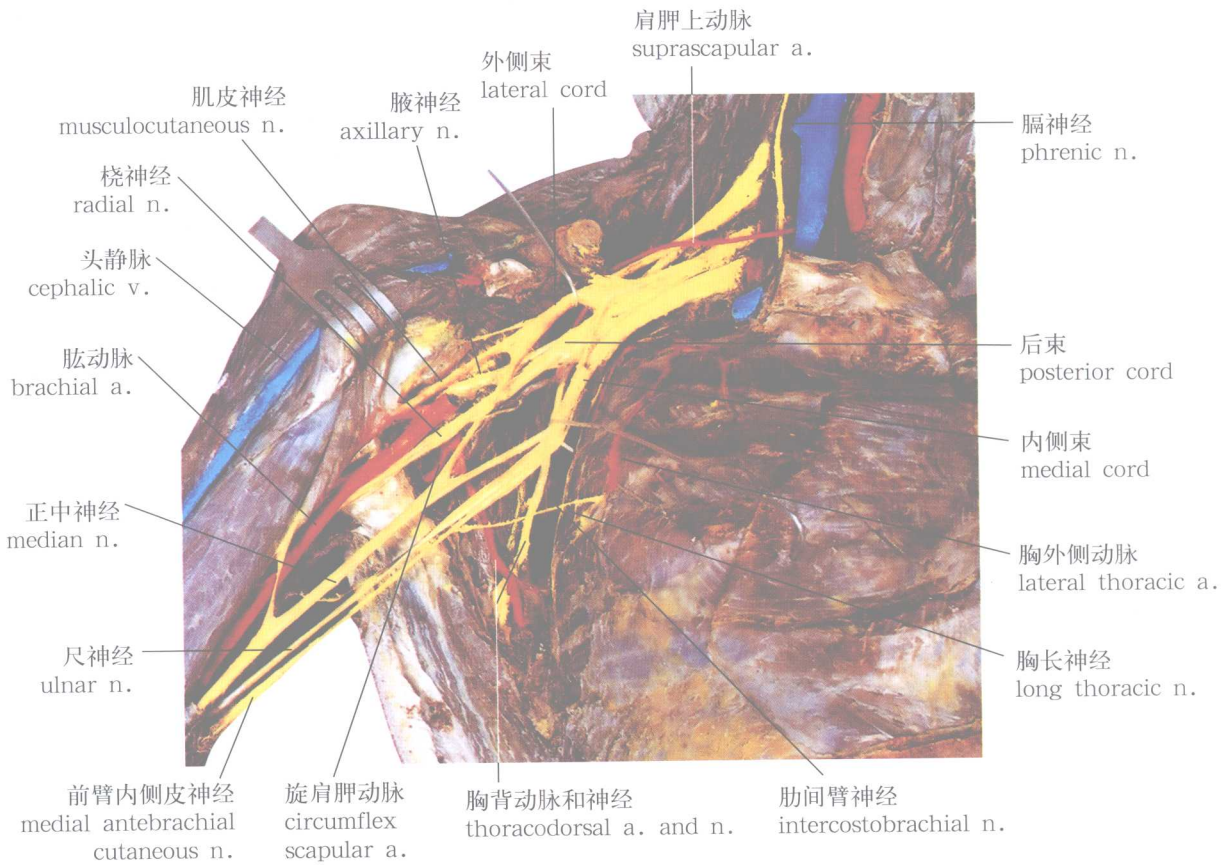


图 492　腋窝的血管和神经（2）

Blood vessels and nerves of the axillary fossa (2)

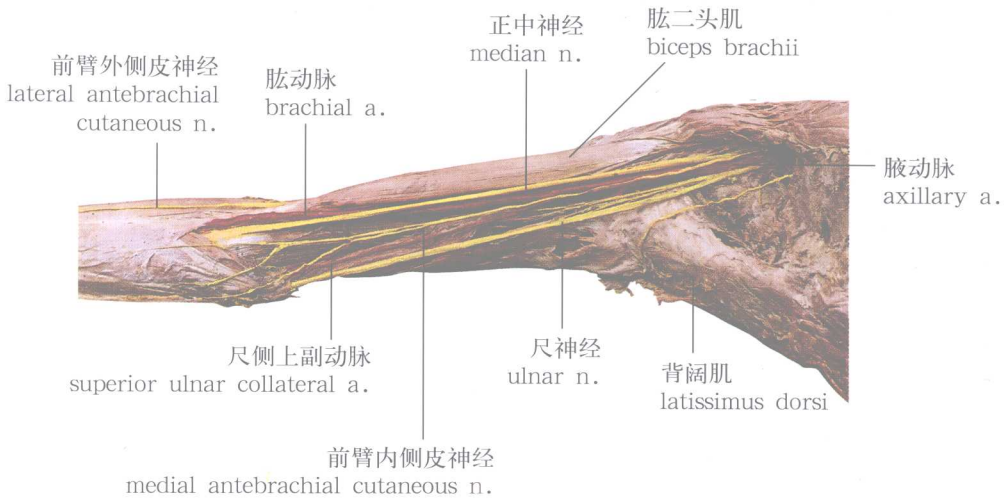


图 493　臂部的肌肉、血管和神经（前面观 1）

Muscles, blood vessels and nerves of the arm (anterior aspect 1)

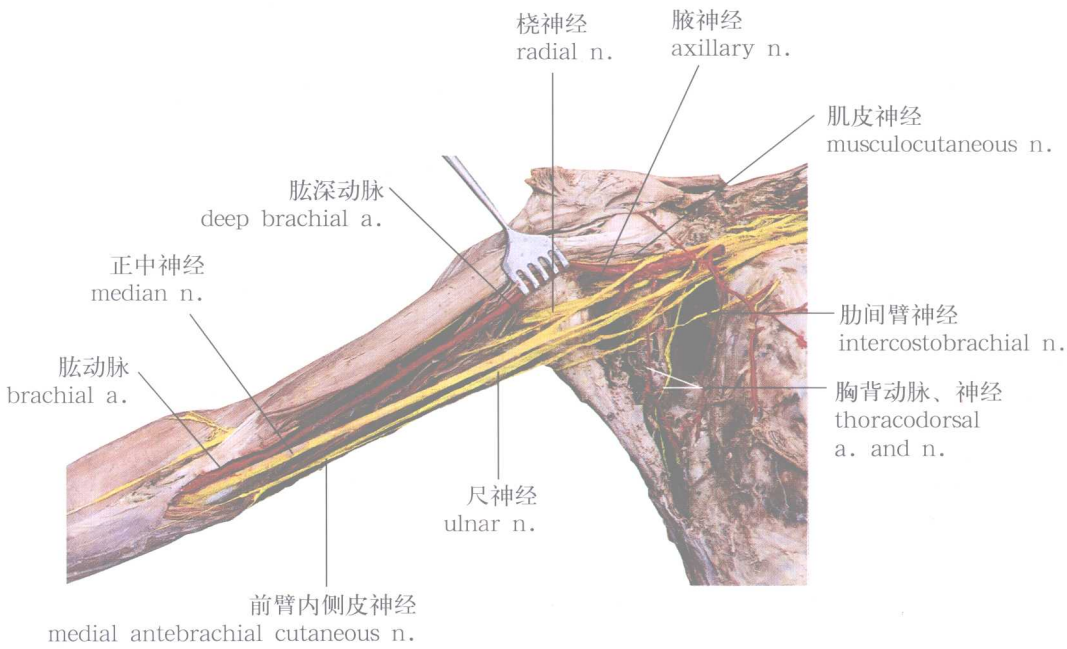


图 494　臂部的肌肉、血管和神经（前面观 2）

Muscles, blood vessels and nerves of the arm (anterior aspect 2)

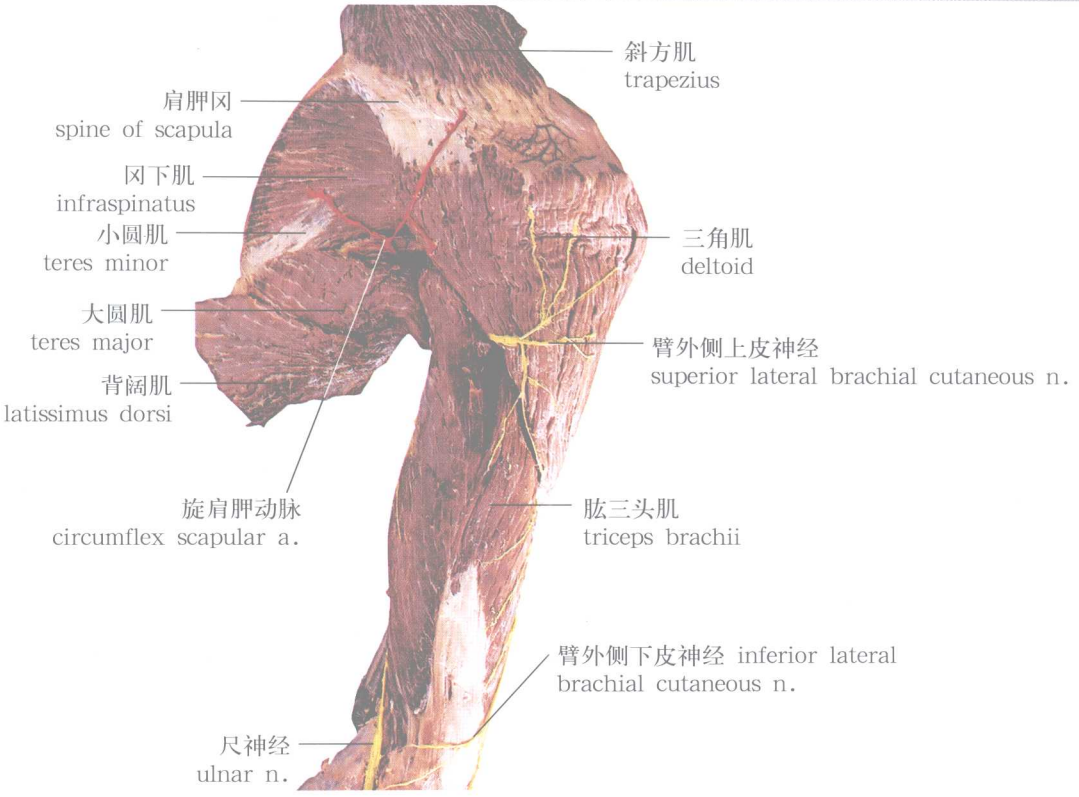


图 495 肩、臂部的肌肉、血管和神经（后面观 1）

Muscles, blood vessels and nerves of the shoulder and arm (posterior aspect 1)

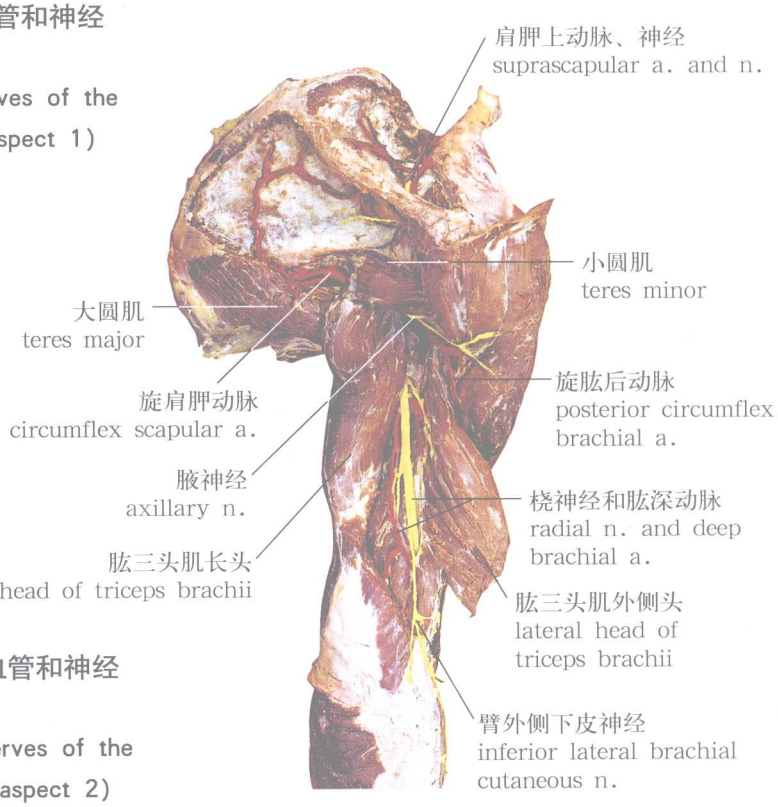


图 496 肩、臂部的肌肉、血管和神经（后面观 2）

Muscles, blood vessels and nerves of the shoulder and arm (posterior aspect 2)

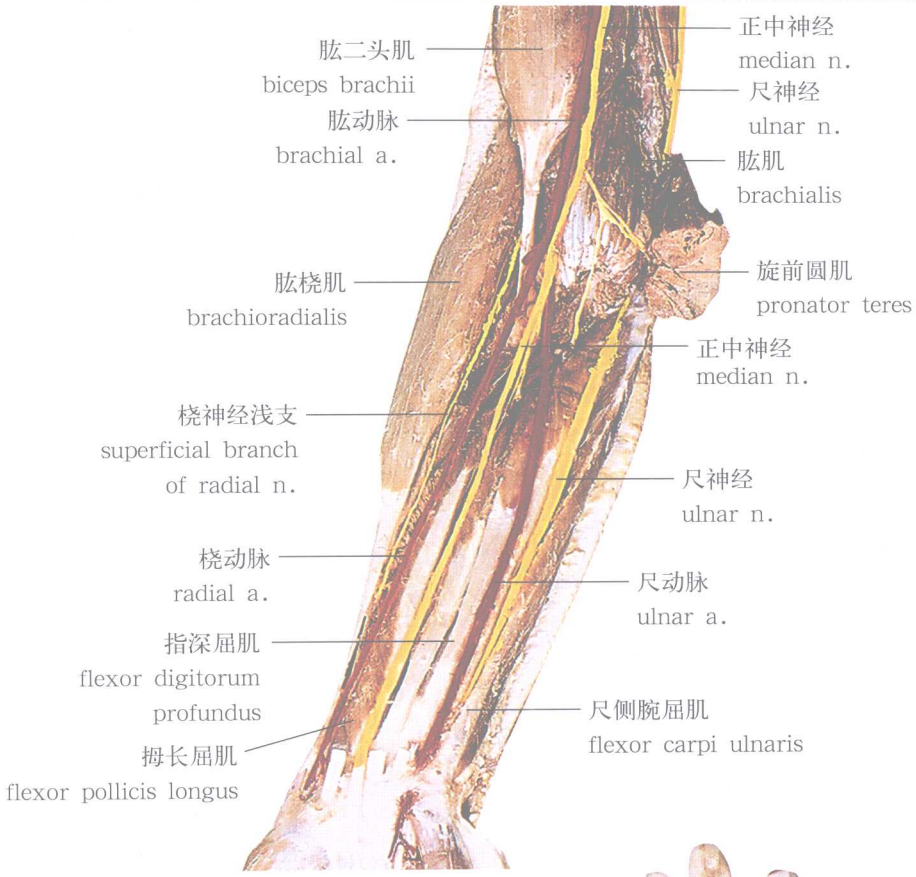


图 497　前臂的肌肉、血管和神经（前面观）

Muscles, blood vessels and nerves of the forearm (anterior aspect)

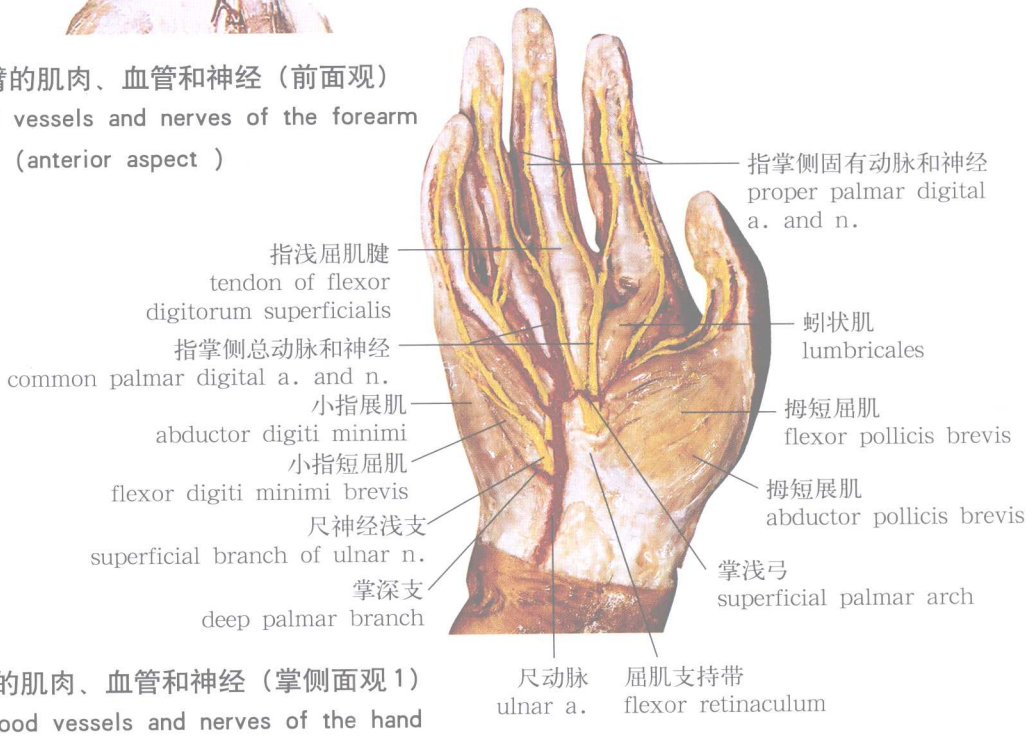


图 498　手的肌肉、血管和神经（掌侧面观 1）

Muscles, blood vessels and nerves of the hand (palmar aspect 1)



图 499　手的肌肉、血管和神经（掌侧面观 2）

Muscles, blood vessels and nerves of the hand (palmar aspect 2)

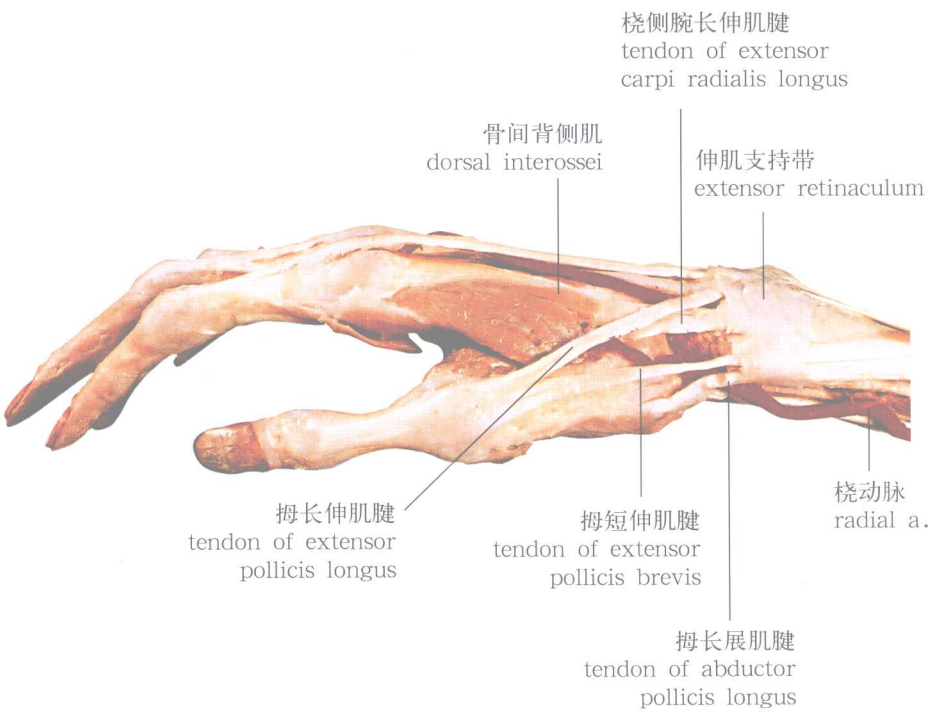


图 500　手的肌腱、血管（背面观）

Tendon and blood vessels of the hand (dorsal aspect)

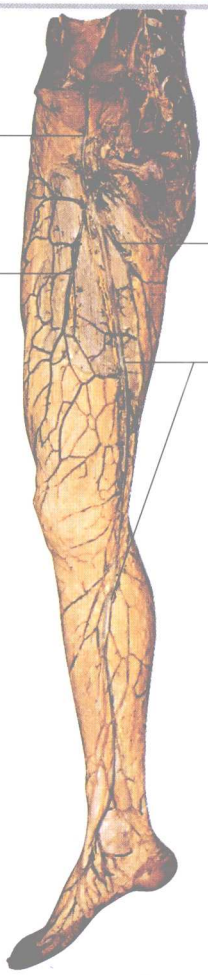


图 501　下肢的浅静脉
Superficial veins of the lower limb

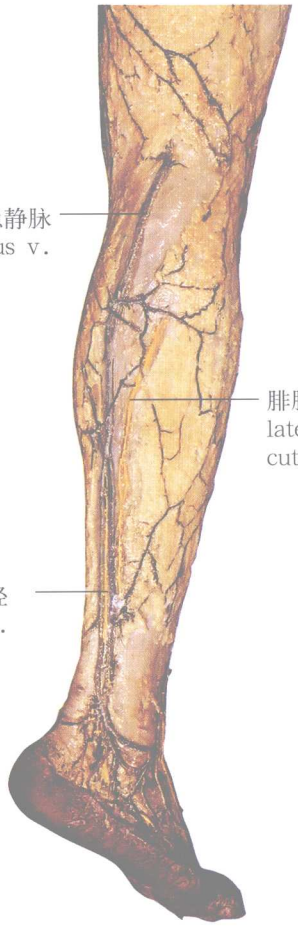


图 502　小腿的浅静脉
Superficial veins of the leg

四肢浅静脉

桡头尺贵肘正中，输液采血最常用，
内踝前方有大隐，危重抢救要记清，
大隐根处隐裂孔，五大属支均有名，
腹壁旋髂阴部外，股内股外两侧行。

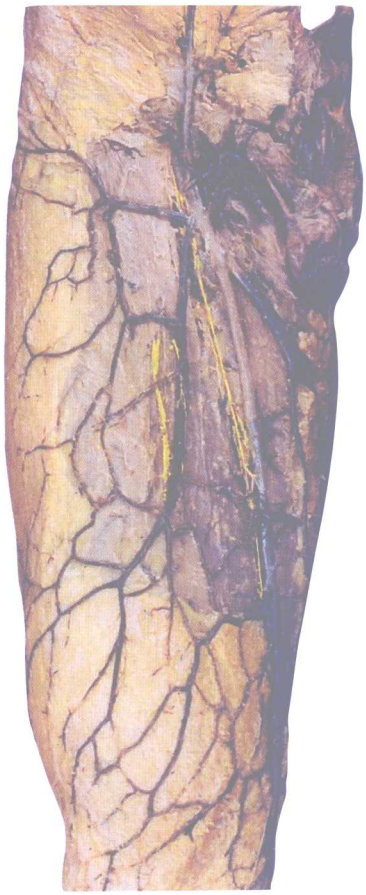


图 503　股前区皮神经和浅静脉
Cutaneous nerves and superficial veins of anterior region of the thigh



图 504　小腿的皮神经和浅静脉（前面观）
Cutaneous nerves and superficial veins of the leg (anterior aspect)

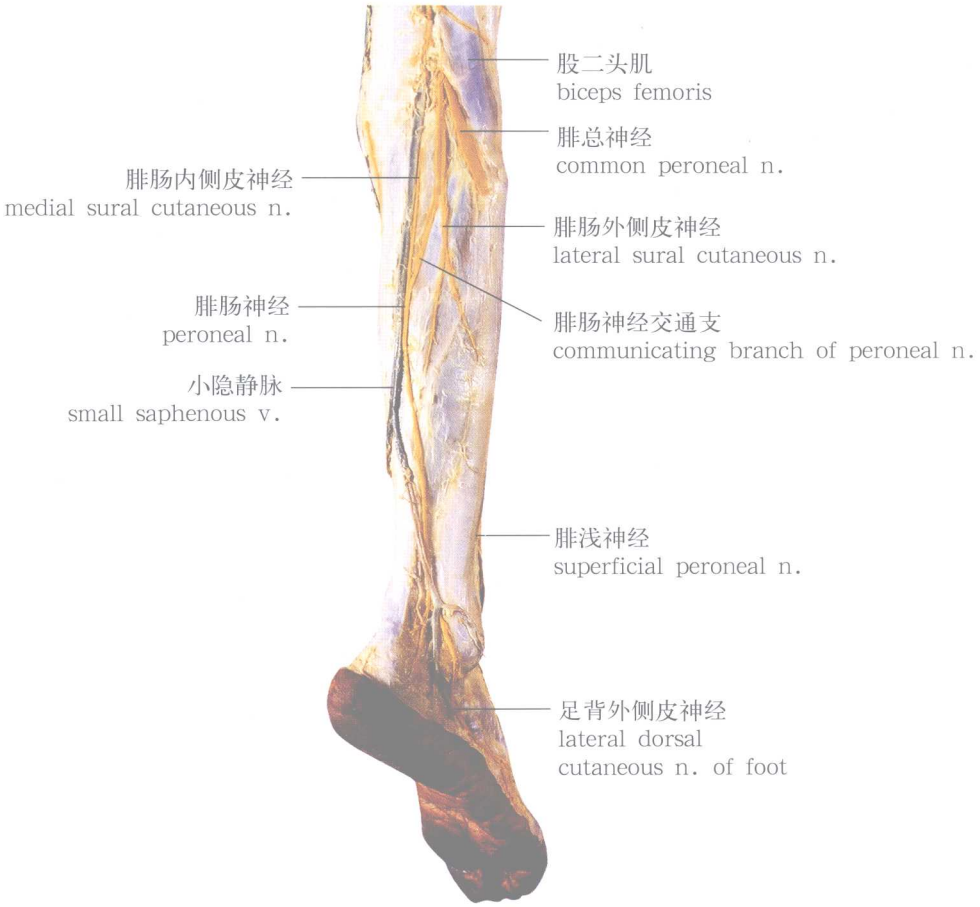


图 505　小腿的皮神经和浅静脉(后面观)

Cutaneous nerves and superficial veins of the leg (posterior aspect)

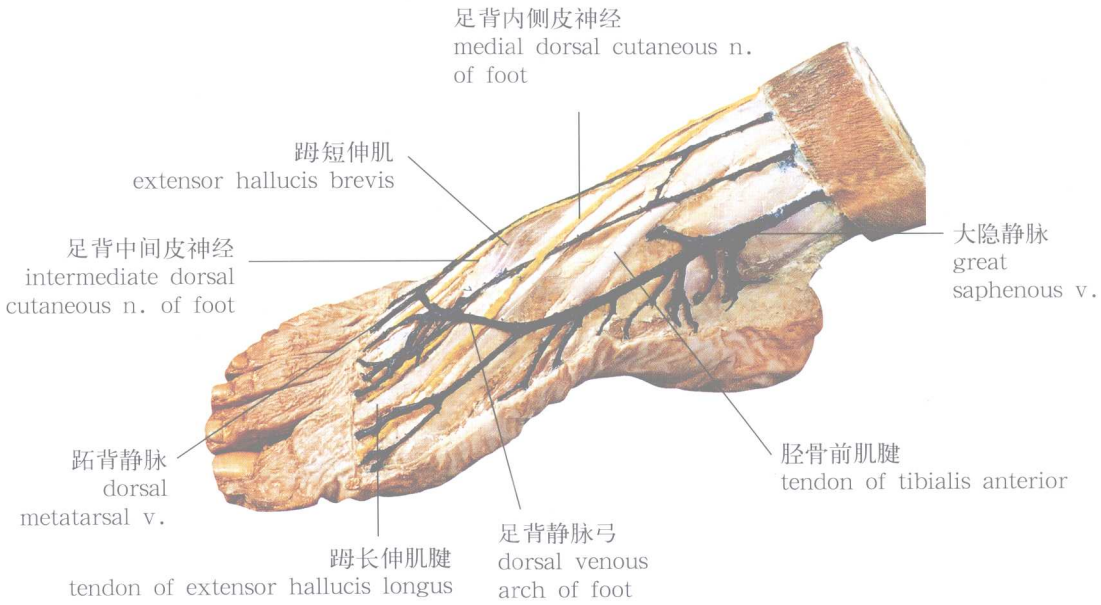


图 506　足背的神经和浅静脉（1）

Nerves and superficial veins of dorsum of the foot (1)

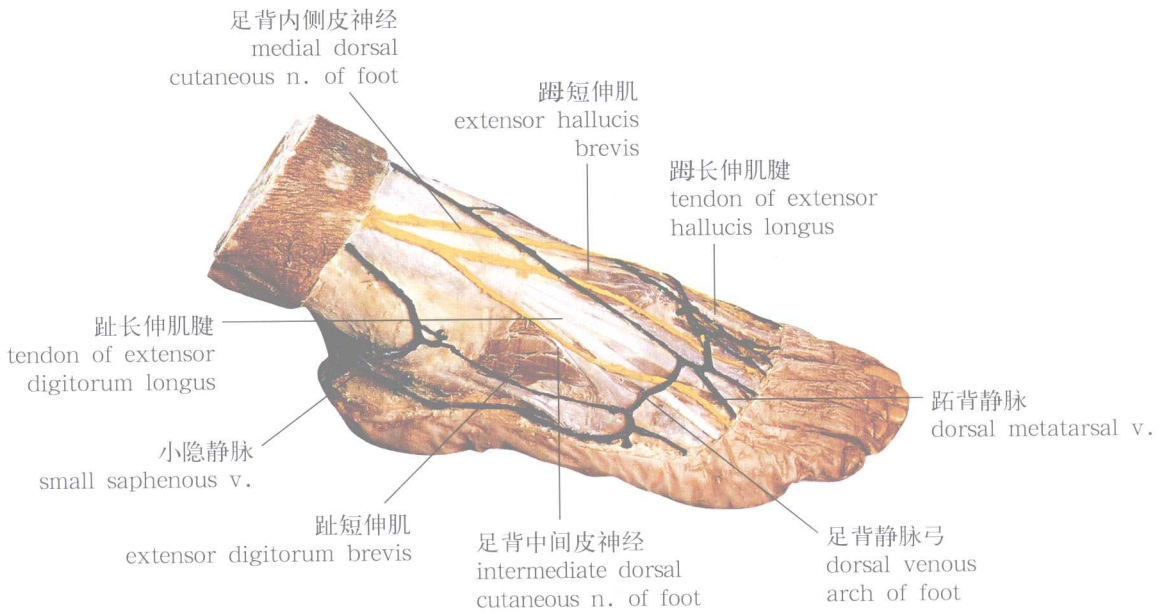


图 507　足背的神经和浅静脉（2）

Nerves and superficial veins of dorsum of the foot (2)

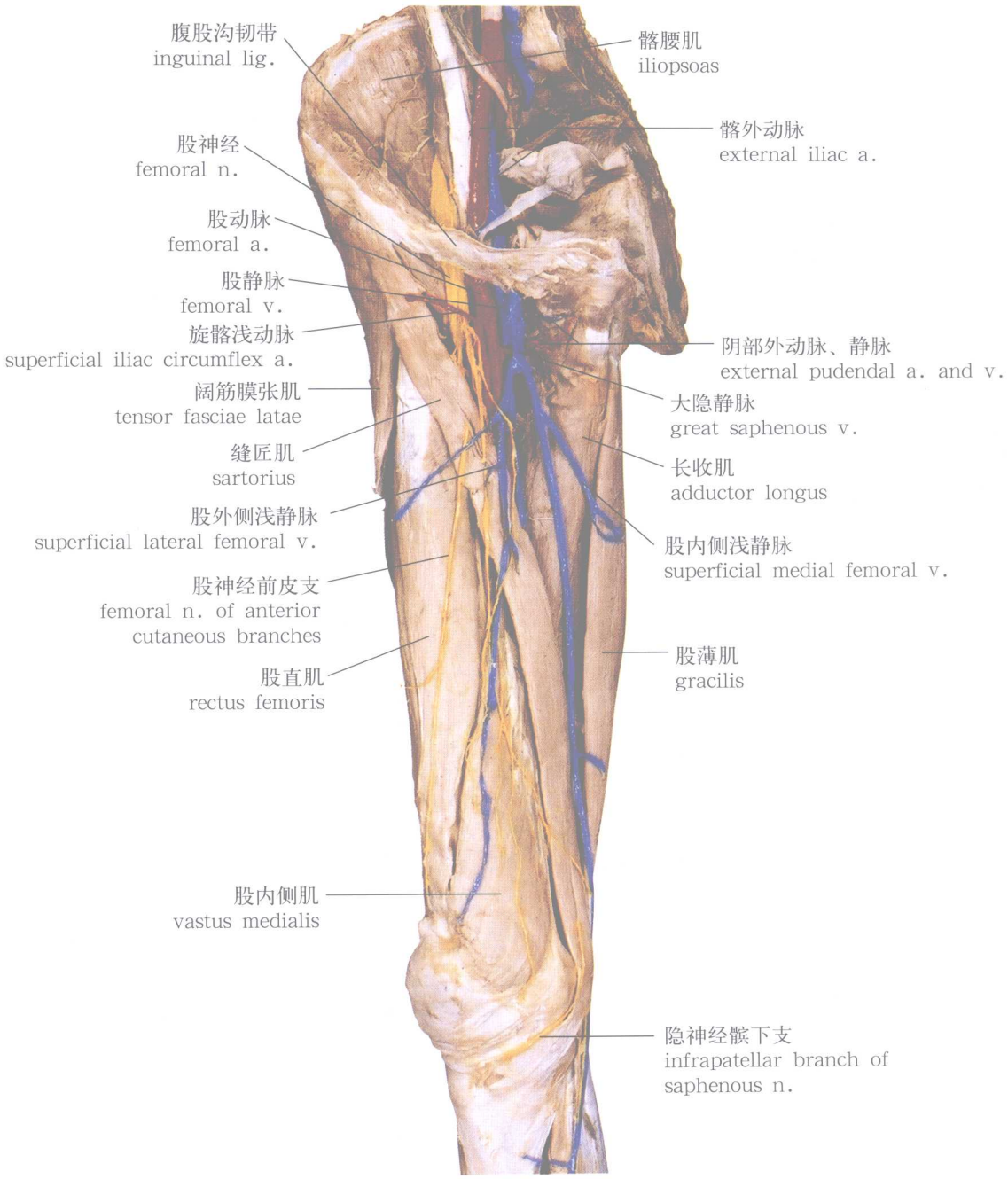


图 508　股前区的肌肉、血管和神经

Muscles, blood vessels and nerves of anterior region of the thigh

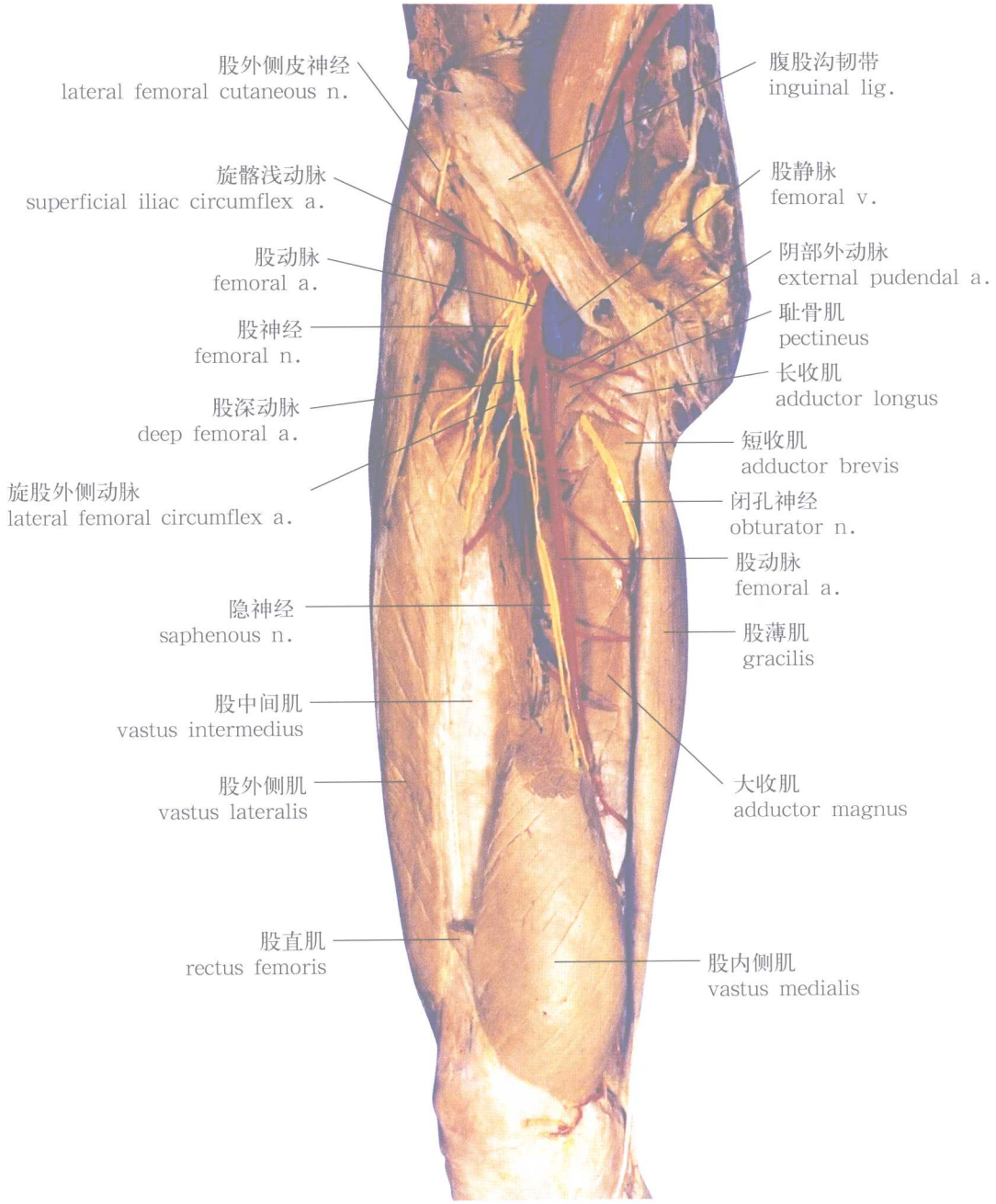


图 509　股前区的肌肉、血管和神经

Muscles, blood vessels and nerves of anterior region of the thigh

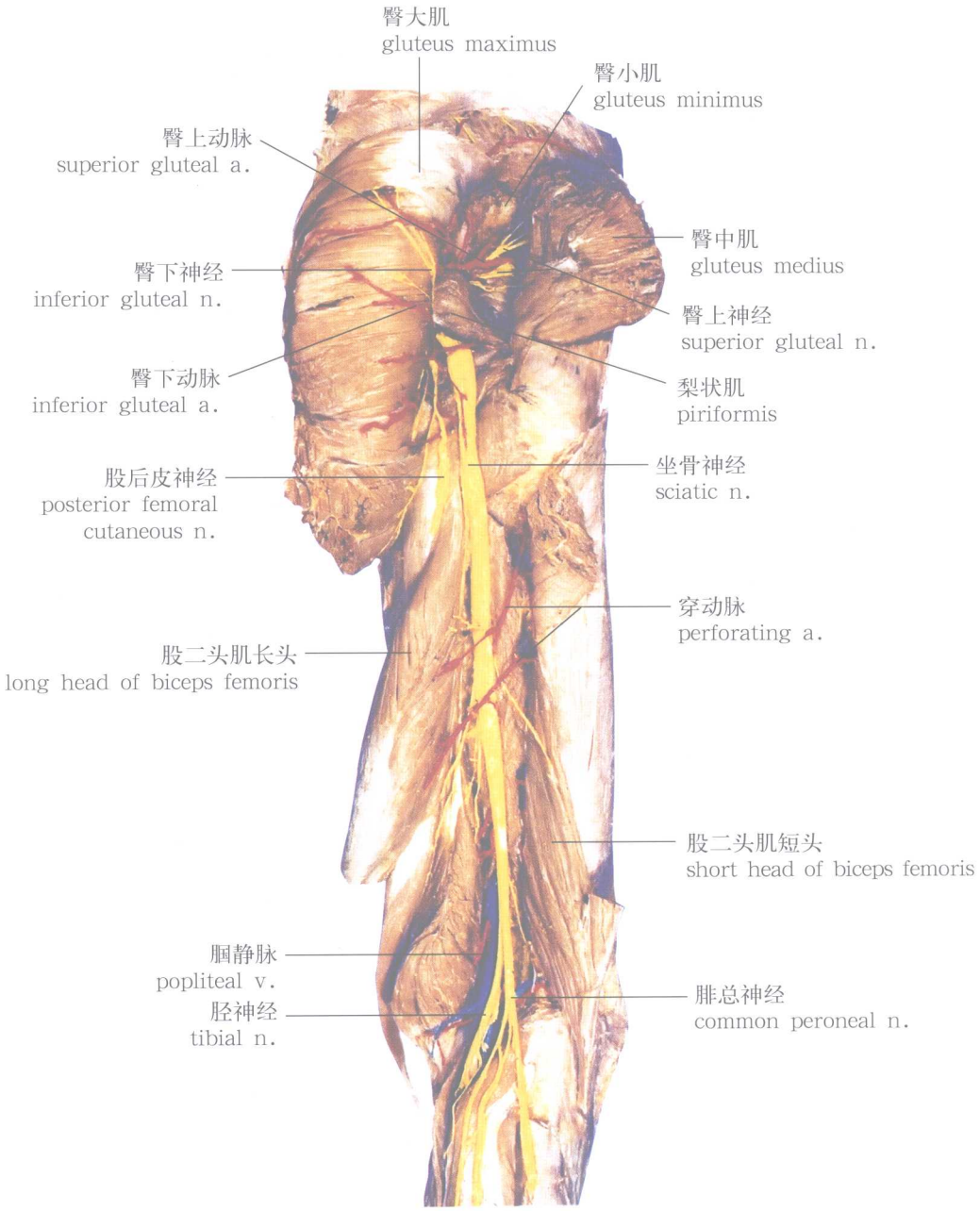


图 510　臀区和股后区的肌肉、血管和神经

Muscles, blood vessels and nerves of gluteal region and posterior region of the thigh

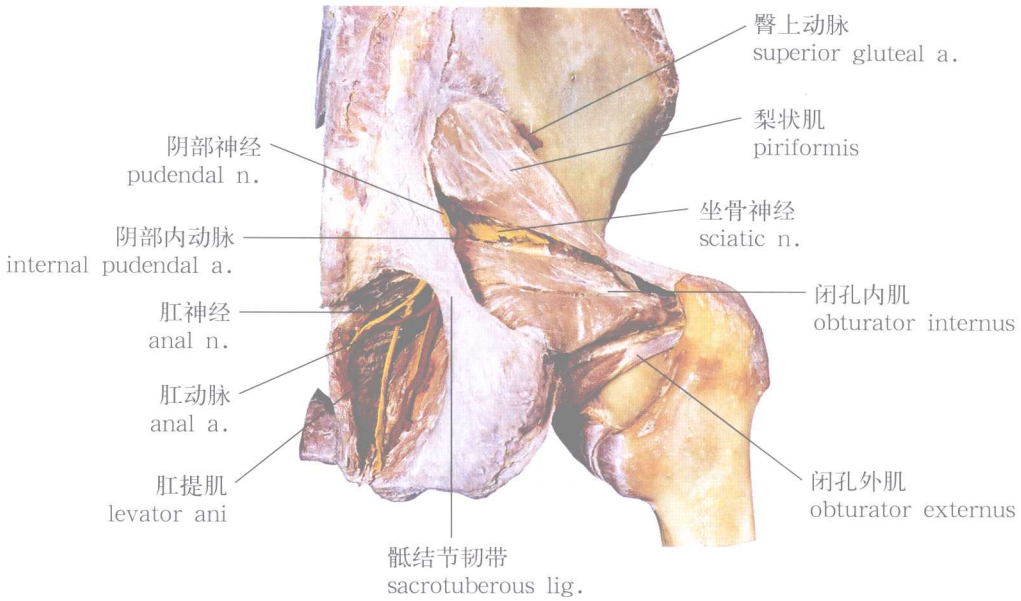


图 511　坐骨肛门窝的肌肉、血管和神经

Muscles, blood vessels and nerves of the ischioanal fossa

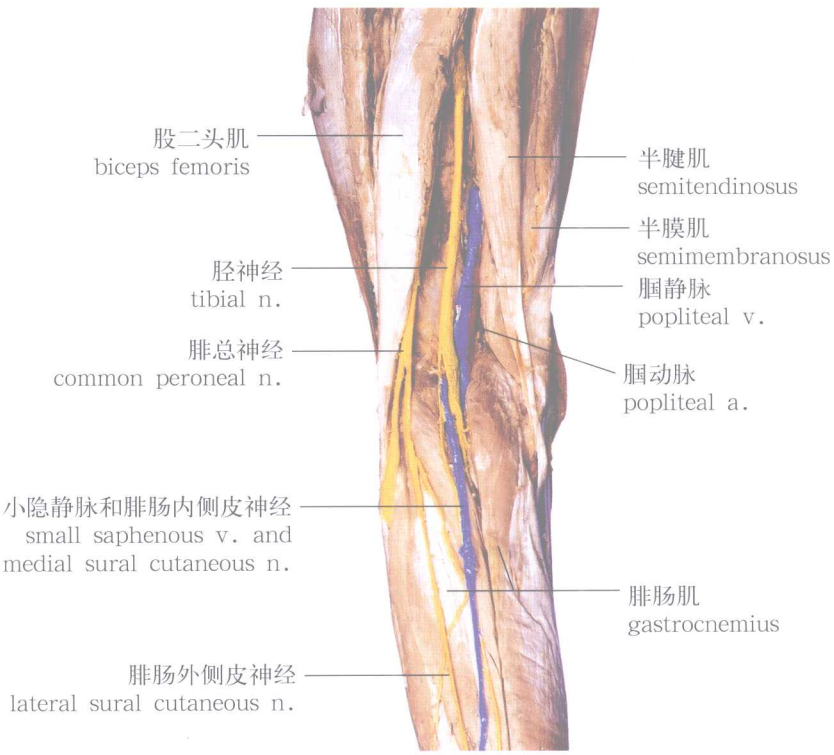


图 512　腘窝的肌肉、血管和神经

Muscles, blood vessels and nerves of the popliteal fossa

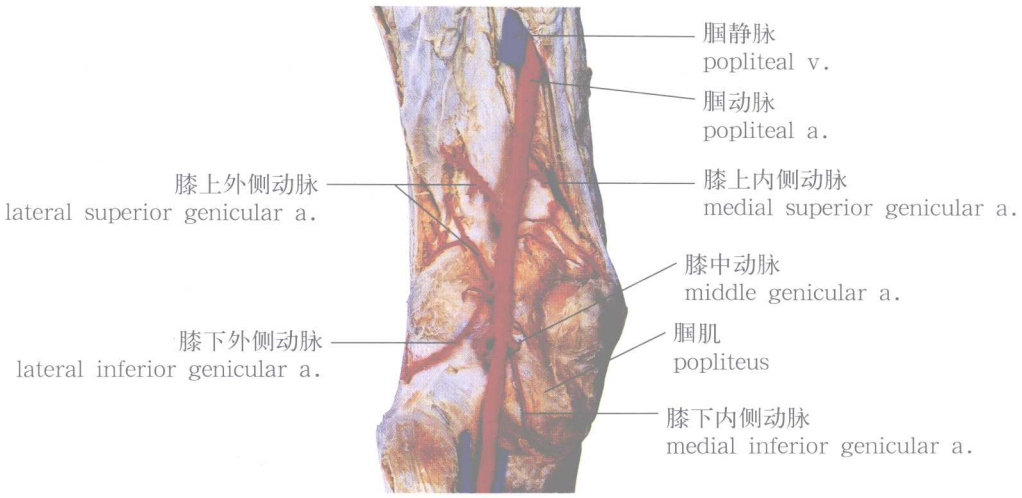


图 513　腘动脉及其分支

The popliteal artery and branches

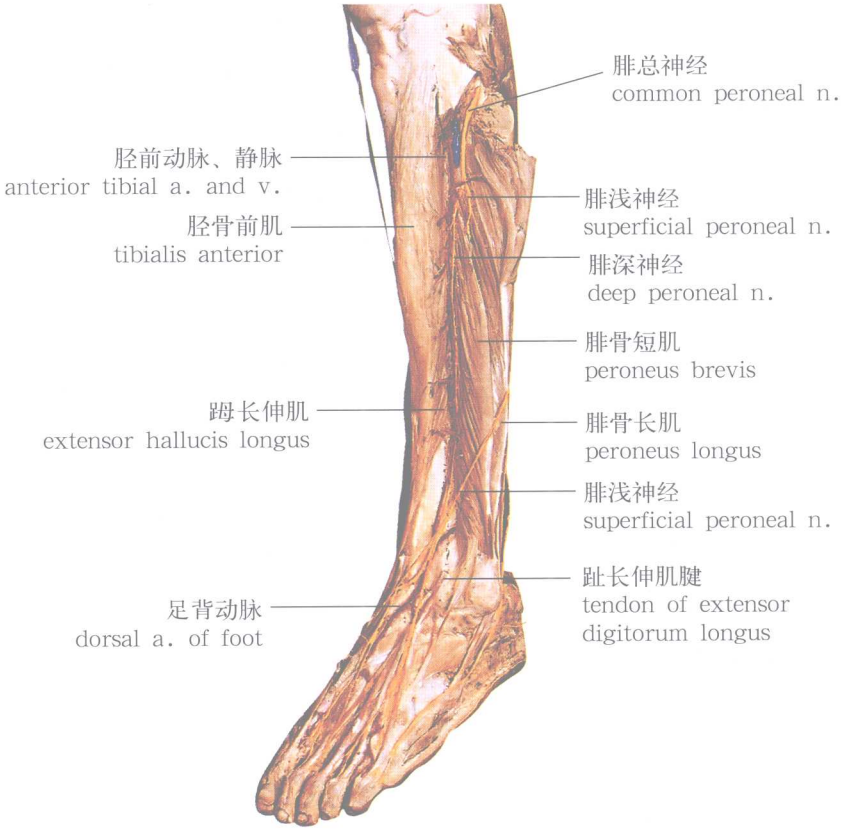


图 514　小腿前外侧区和足背的肌肉、血管和神经

Muscles, blood vessels and nerves of anteriolateral crural region and dorsum of the foot

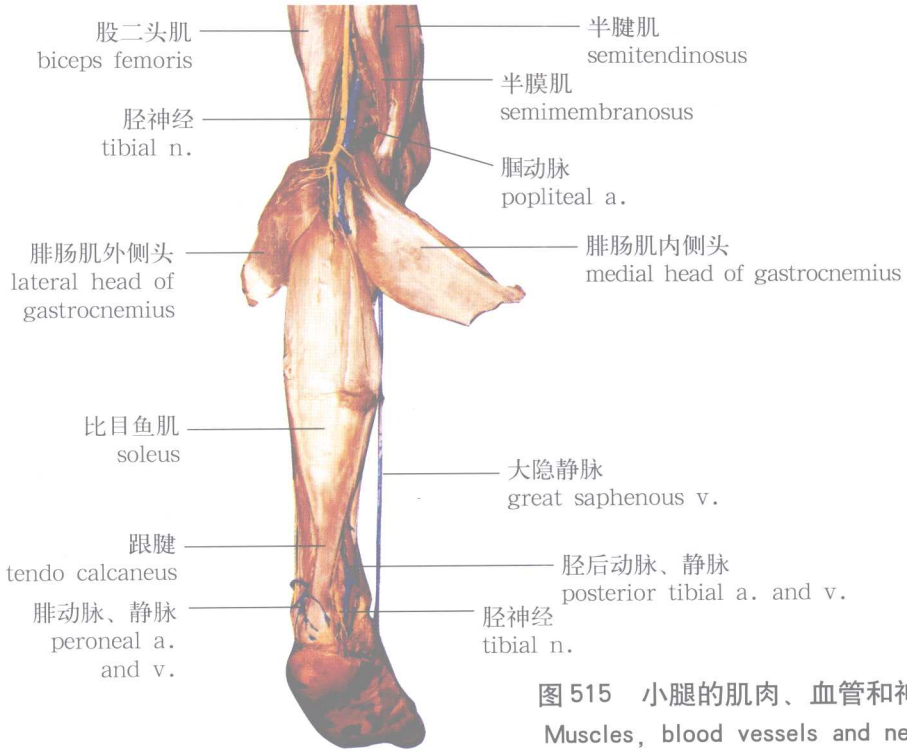


图 515　小腿的肌肉、血管和神经（后面观 1）

Muscles, blood vessels and nerves of the leg (posterior aspect 1)

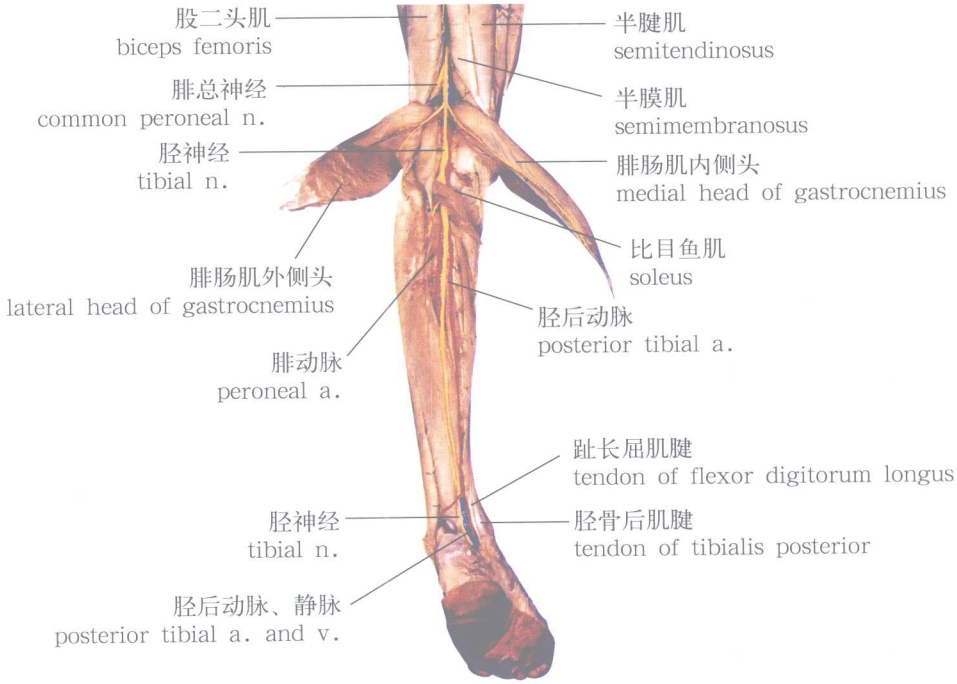


图 516　小腿的肌肉、血管和神经（后面观 2）

Muscles, blood vessels and nerves of the leg (posterior aspect 2)



图 517　足底的肌肉、血管和神经（1）

Muscles, blood vessels and nerves of sole of the foot(1)

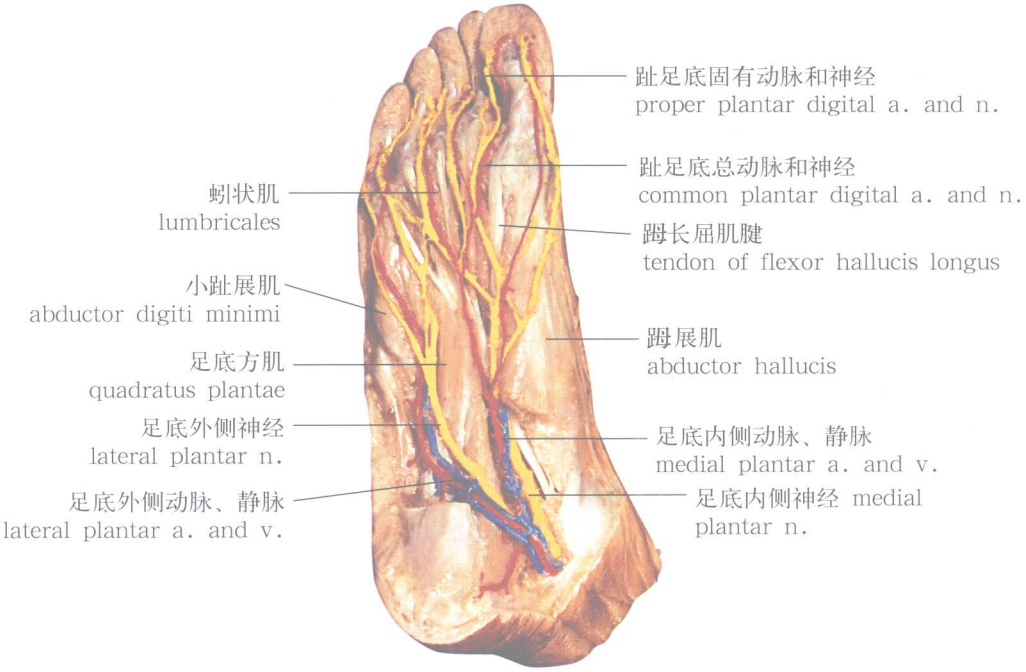


图 518　足底的肌肉、血管和神经（2）

Muscles, blood vessels and nerves of sole of the foot (2)

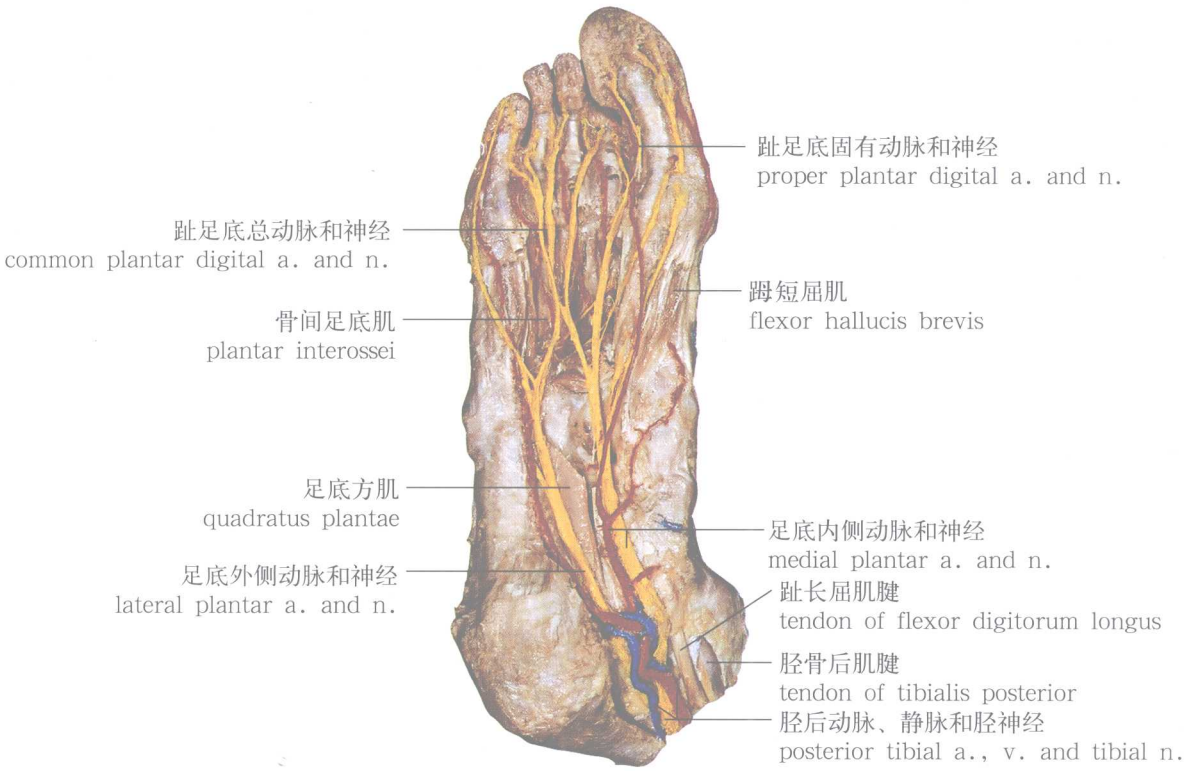


图519 足底的肌肉、血管和神经（3）

Muscles, blood vessels and nerves of sole of the foot (3)

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