

Lippincott Williams & Wilkins Atlas of Anatomy

LWW 解剖图谱

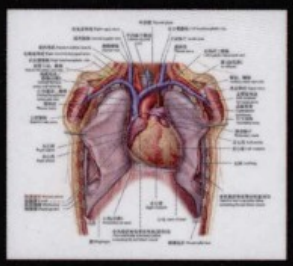
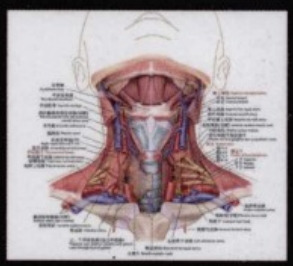
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Wolters Kluwer | Lippincott Williams & Wilkins
北京科学技术出版社

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Original English edition published by Lippincott Williams & Wilkins/Wolters Kluwer Health.
Not for resale outside the People's Republic of China.
仅限中国境内销售

ISBN 978-7-5304-4543-3
9 787530 445433 >
定价：248.00 元

Wolters Kluwer | Lippincott Williams & Wilkins
thePoint
LWW.COM

图书在版编目（CIP）数据

LWW解剖图谱/（美）坦克（Tank,P.W.），（美）格斯特（Gest,T.R.）主编．钟世镇，欧阳钧译．－北京：北京科学技术出版社，2010.8
ISBN 978-7-5304-4543-3
Ⅰ.L… Ⅱ.①坦…②格…③钟…④欧… Ⅲ.人体解剖学-图谱 Ⅳ.R322-64
中国版本图书馆CIP数据核字（2010）第003193号

著作权合同登记号 图字：01-2009-4101

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出 版 人：张敬德
出版发行：北京科学技术出版社
社　　址：北京西直门南大街16号
邮政编码：100035
电话传真：0086-10-66161951（总编室）
　　0086-10-66113227（发行部）
　　0086-10-66161952（发行部传真）
电子信箱：bjkjpress@163.com
网　　址：www.bkjpress.com
经　　销：新华书店
印　　刷：北京捷迅佳彩印刷有限公司
开　　本：889mm×1194mm　1/16
字　　数：400千
印　　张：28
版　　次：2010年8月第1版
印　　次：2010年8月第1次印刷
ISBN 978-7-5304-4543-3/R·1246

定　价：248.00元

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译者前言一

感谢北京科学技术出版社，在他们的策划下，邀请了一批学者，翻译出版了这部由LWW公司出版的原创性图谱，为医学生和临床医师学习临床解剖学提供了珍贵的参考资料。

人体解剖学是一门形态科学，形态学的学习方法，若加以通俗的概括，就是“百闻不如一见”。直观性很强的图谱就是“工欲善其事，必先利其器”的重要工具之一。“开放改革的事实证明，社会发展的正确道路是要博采众长，为己所用。闭关锁国、视野狭窄是无法成就伟业的。尽管我国在近30多年来，在解剖学领域出版过大批解剖学图谱，取得过许多光辉的成就，但“寸有所长，尺有所短”，就以源于美国的这部《LWW解剖图谱》为例：虚实结合、循序渐进、由浅入深、由此及彼，如身历其境、毗邻亲切，有其极为独特的优点，是教学经验与绘画艺术高度统一的珍品。在学习和借鉴国外教辅参考书时，我们当然不要搞“近寺人家不重僧，远来和尚好看经”；但也应“一目之视也，不若二目之视也；一耳之听也，不若二耳之听也”。辩证的法则，就是“扬长补短”，要通中法外，舍短取长，这是我们应当采取的态度。

我作为解剖学教学园地里耕耘了一辈子的老园丁，深知园艺创新培育的功力，是善于引进，善于结合，因时制宜，因地制宜。在引进一个新品种后，要举一反三，触类旁通，要像“深处种菱浅种稻，不深不浅种荷花”那样灵巧适应，才能发挥引进新品种的最高效益。“物竞天择，适者生存”，在前沿性学科不断萌发，医学教育课时数又不允许无限期延长，以及临床工作节奏日益增快的现实情况下，翻译出版这本LWW公司出版的原创性解剖学教学和临床参考图谱，有其现实意义，是为之序。

原中国解剖学会名誉理事长
中国工程院院士　　钟世镇

2009年冬于广州

译者前言二

解剖学图谱是医学生和临床医师的重要参考工具书。作为解剖学老师，我们使用过许多国内外经典的解剖学图谱，或是实物照片，或是艺术绘图，百花斗艳，各具特色。2009年Lippincott Williams & Wilkins公司出版的这部原创性图谱，是由美国解剖学专家Patrick W. Tank和Thomas R. Gest共同主编的，其对策是在解剖学课程不断压缩的医学教育趋势下，为学生和临床医师提供精炼、简约、重点突出，并且高效实用的参考图谱。作者匠心独具、虚实结合，采用全新的理念，绘制这部图谱。应用色彩、明暗、阴影、虚像等技巧，能够充分调动读者的感官注意力，可以有效地提高学生的学习效率和临床解剖学知识。

随着前沿性基因组学、蛋白组学雨后春笋般地茁壮成长，分子生物学、免疫学和细胞生物学在疾病的诊治中起到越来越重要的作用。因此，在新兴课程不断扩展的时代，经典解剖学的教学时数，必然要有所压缩。与时俱进，顺应潮流，在教学时数较短的情况下，帮助学生系统而有重点地掌握解剖学基本知识，引导学生在日后医疗实践中能够自学成才，是教师的神圣职责，而这部图谱的诞生，为医学生和临床医生们提供了良好的工具。

“他山之石，可以攻玉”，感谢北京科学技术出版社慧眼识珠，在众多的医学工具书中，选择了这部有高度实用价值的图谱翻译出版，让中国的医学生和临床医师们，有可能在第一时间分享到LWW公司创新团队带来的硕果。由于参加翻译的人员较多，时间仓促且水平有限，其中的错漏之处在所难免，敬请同行不吝赐教。

欧阳钧

2009年12月于南方医科大学

前 言

创作一本全新解剖图谱的机会是一生难求的。通常原创图谱并不能很准确地表达其意图。作为具有近60年对医学生实践教学经验的解剖学者，我们非常熟悉现在市面上的所有解剖学图谱，这些图谱都获得很高的赞誉。对现有图谱的充分经验使我们形成了一个强烈的意愿：更加简明和逻辑有序地去展现解剖学图片。这本新图谱的宗旨就是使学生和临床医生快速而方便地使用这些图片。在解剖学课程不断压缩和临床工作节奏加速的时代，图谱的快速和便于使用是一个基本的需要。

这本解剖学图谱的完成需要一个大团队人力的共同努力，也需要有同时获得这些资源的好运气。首先，我们得到了Lippincott Williams &Wilkins (LWW)公司的全力支持。这些支持包括编辑上和创作上的帮助，艺术指导的项目基金，专家的市场分析和许多言语鼓励等多个方面。

其次，我们拥有Anatomical Chart Company (ACC)公司具有独特才干的创新团队。ACC创作了数以千计的解剖学和诊断学图表，展示在世界各地的诊所和医生办公室里。ACC创新团队招募了大量国内最优秀的医学插图画家，并在项目的全过程中组织和带领他们。ACC设计团队灵感迸发的设计贯穿了整个图谱。在与LWW发行团队合作中，ACC也帮助这本综合图谱最终进入产品阶段。

最后，作者团队是多年的朋友和同事。我们每个人努力的总和总不及我们共同努力编写这本图谱的成果。作为一个团队，我们为这个项目竭尽所能，热忱工作。

通过最大限度地利用这些资源，我们编绘的图谱在以下几个方面较现有图谱具有优势：

教学观察

LWW解剖学图谱是按部位编排的。然而，图谱并不只是简单地顺序标出结构的平面解剖绘图。图谱的各个方面，包括从图片的选择和编排，到色彩、风格和每张图片的标注均是从教学观察的角度出发。编排按照局部解剖学的顺序，从教师角度出发，始于表面解剖和浅层结构，然后进入深层结构。精心选择和布置的标注讲述着一个故事，将读者的注意力引向重要的毗邻关系。

新的艺术风格

LWW解剖学图谱采用了全新的艺术风格。插图应用了鲜艳的颜色，新的表面纹理，有效地应用阴影来增加深度，以及干净、整洁的图标方法。主图被设计用来描述最普通的解剖结构(即“一般”解剖)，是学生在解剖和临床实践中常见的解剖结构。常见的重要解剖变异也在辅助插图中予以细致描述。

图片的精选

LWW解剖学图谱的图片少于其他图谱。就目前解剖学课程压缩和临床实际应用的状况而言，图片更多未必效果更好。我们仔细考虑了完成本图谱所需要的插图数量，摒除了多余的结构和概念。插图编排依照逻辑解剖次序，然后是总结插图(系统编排了血管和神经的插图)，帮助读者把局部汇聚成整体。

一致性的观察角度

为了帮助初学者，LWW解剖学图谱采用了一致的观察位置：正前、正后、正外侧或正内侧。标本全部按解剖学姿势放置。没有采用倾斜和垂直的观察位置。严格避免四肢和头部的非解剖学姿势的位置。

有效的色彩应用

LWW解剖学图谱的图片利用色彩把读者的注意力吸引到图片的重要部分上来。许多图片具有非常详细的涂成灰色粉底的周围解剖，即提供了插图结构的相互关系，又不会分散读者对中心主题的注意。总结插图特别地利用这种色彩技术来表现身体局部的系统解剖。

虚像结构

LWW解剖学图谱的许多插图利用了虚像技术，使得读者能够观察到插图更深的结构。一些插图中，读者透过虚像结构可以观察到重要的解剖位置关系。在另一些插图中，一个实心结构在另一个实心结构后方的部分被涂成虚像。应用这些虚像技术，我们能够阐明深层结构与浅层结构的位置关系，使得读者能够看到以前只能想象的关系和联系。

有限的图标

我们有意地限制LWW解剖学图谱每张插图的图标数量。我们精心选择在目前课程中最可能讲授的结构，并为这些结构提供图标。我们没有对每张插图中的每个结构都提供图标。有许多结构本可以标注的，但是会有损于图片的教学效果。

有效的图标布置

我们将图标并列以提高插图的教学效果。这种图标分布方法可以让读者注意到重要的位置关系。我们同样利用图标列表来强化局部结构与整体的关系。这种图标安排及色彩应用使得插图的意图明白无误。

LWW解剖学图谱耗时多年才得以完成，它的创新是充分利用了电子通讯和图像的优势。由于艺术家、编辑、作者和出版商遍布全国，因此这本图谱不是一个容易的壮举。项目过程中审阅和校勘了约7500版插图。我们都曾深感疲惫，但这个成果值得我们所付出的所有时间。这是一个疲倦而愉悦的旅程。

我们希望您也能享受这个成果。

PT&TG

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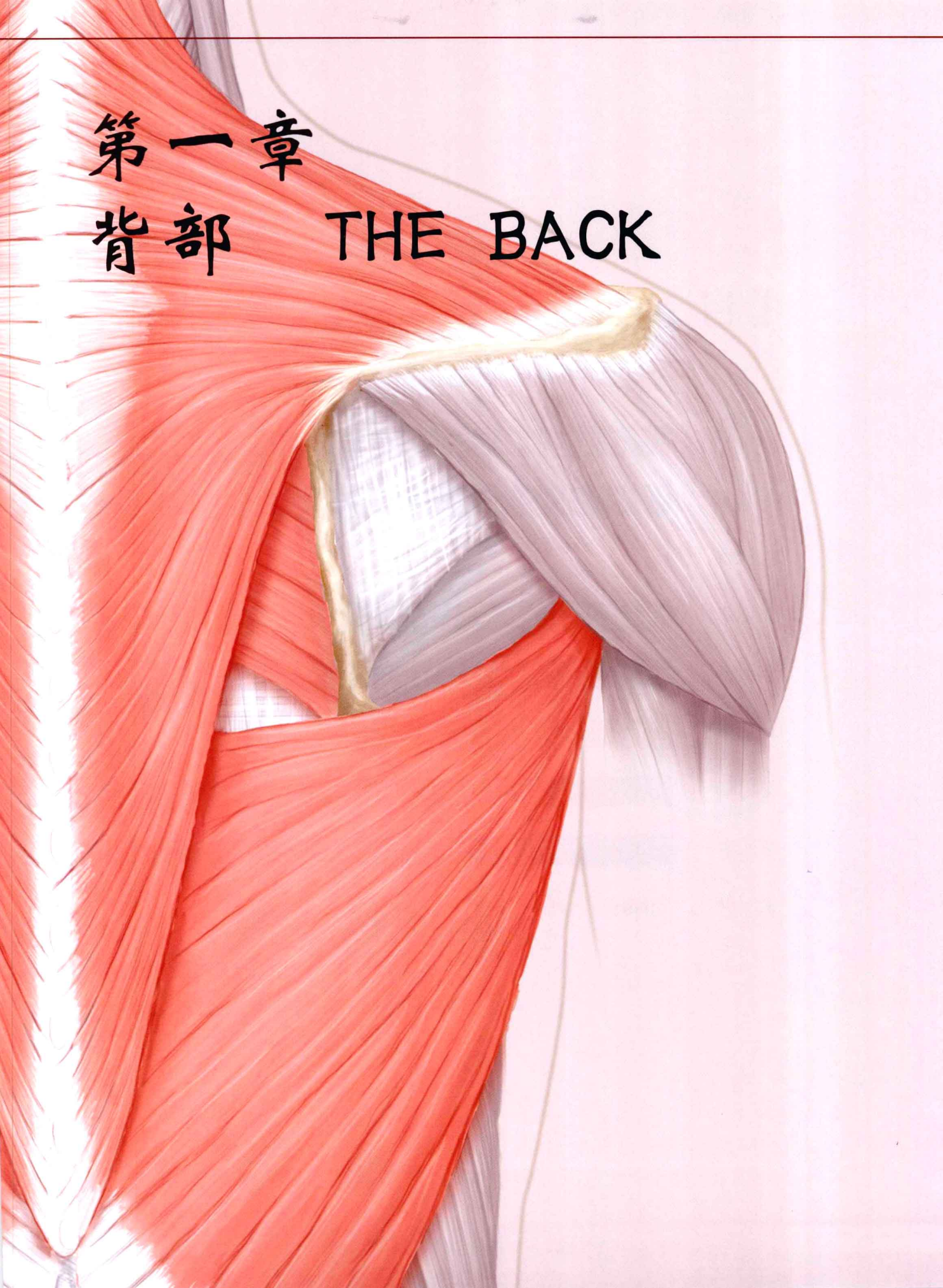
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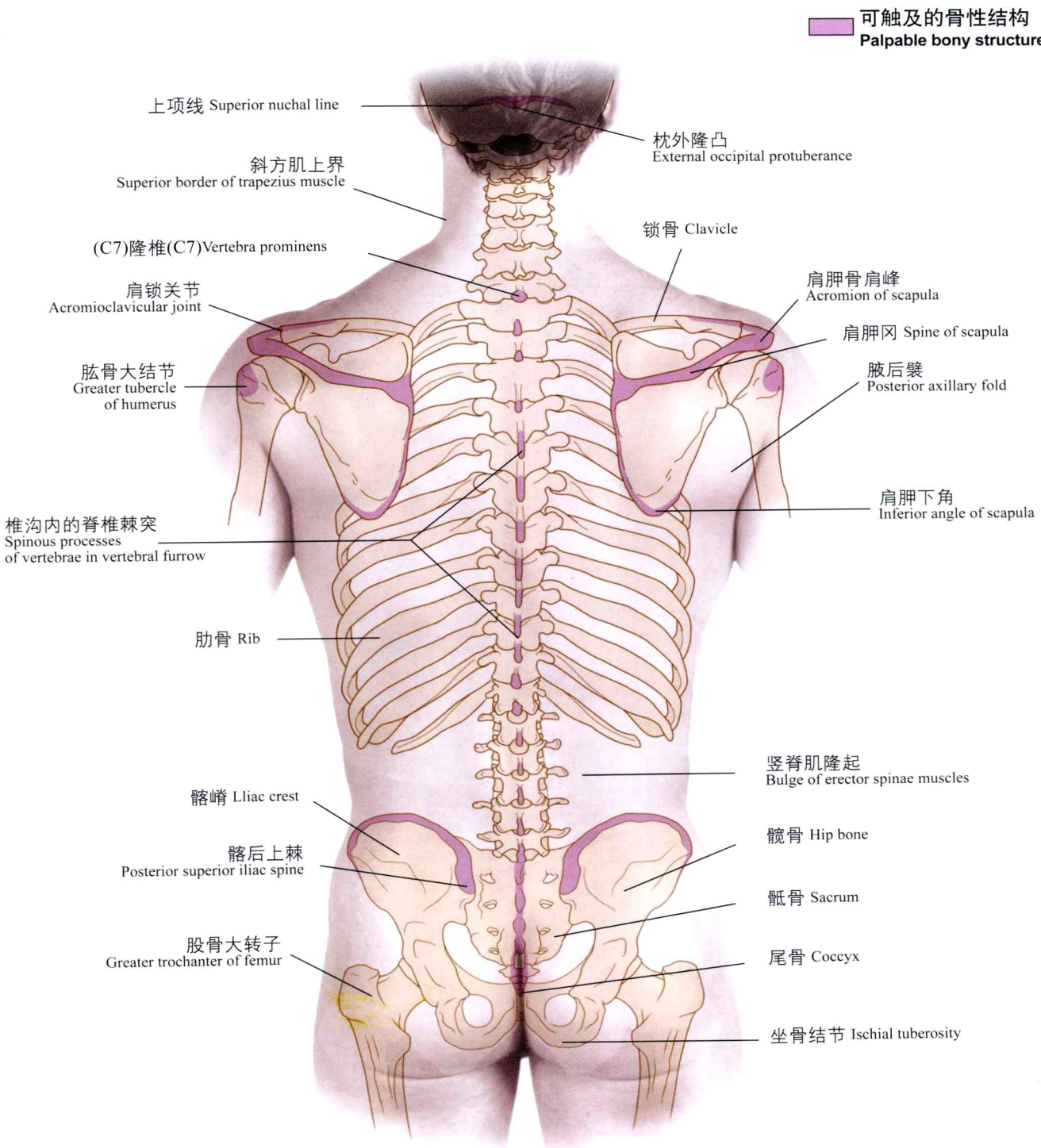
北京科学技术出版社

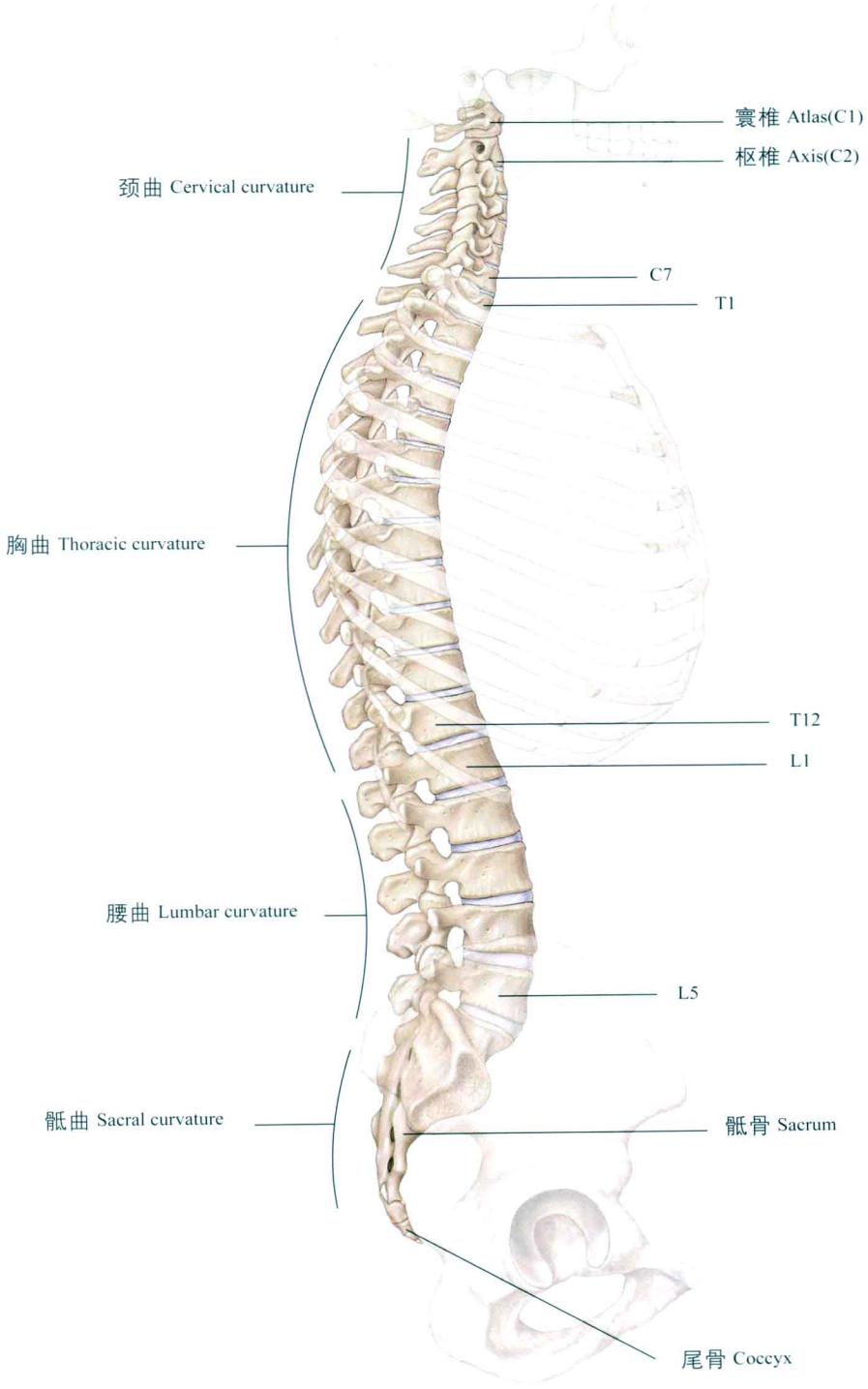


第一章
背部 THE BACK

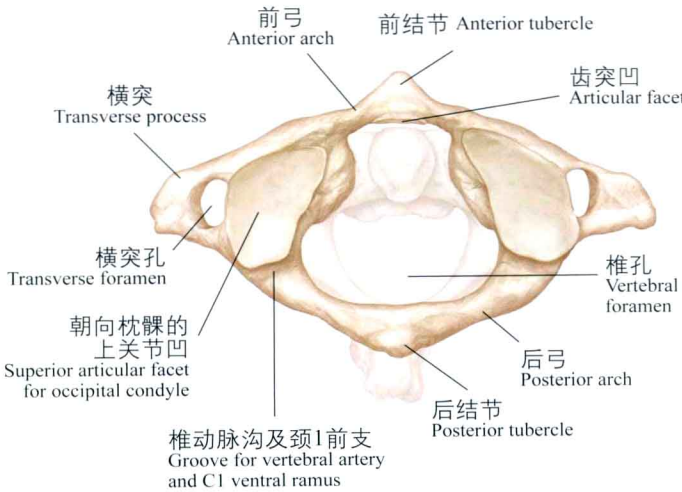
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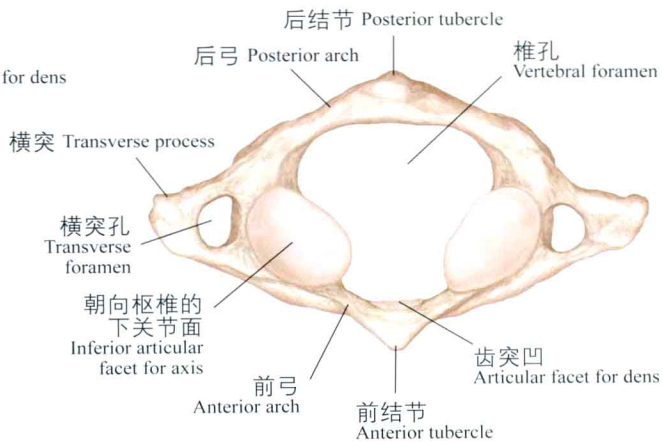

可触及的骨性结构
Palpable bony structures
上项线 Superior nuchal line
枕外隆凸
External occipital protuberance
斜方肌上界
Superior border of trapezius muscle
锁骨 Clavicle
(C7)隆椎(C7)Vertebra prominens
肩胛骨肩峰
Acromion of scapula
肩锁关节
Acromioclavicular joint
肩胛冈 Spine of scapula
肱骨大结节
Greater tubercle
of humerus
腋后襞
Posterior axillary fold
肩胛下角
Inferior angle of scapula
椎沟内的脊椎棘突
Spinous processes
of vertebrae in vertebral furrow
肋骨 Rib
竖脊肌隆起
Bulge of erector spinae muscles
髂嵴 Lliac crest
髋骨 Hip bone
髂后上棘
Posterior superior iliac spine
骶骨 Sacrum
股骨大转子
Greater trochanter of femur
尾骨 Coccyx
坐骨结节 Ischial tuberosity


寰椎 Atlas(C1)
枢椎 Axis(C2)
颈曲 Cervical curvature
C7
T1
胸曲 Thoracic curvature
T12
L1
腰曲 Lumbar curvature
L5
骶曲 Sacral curvature
骶骨 Sacrum
尾骨 Coccyx

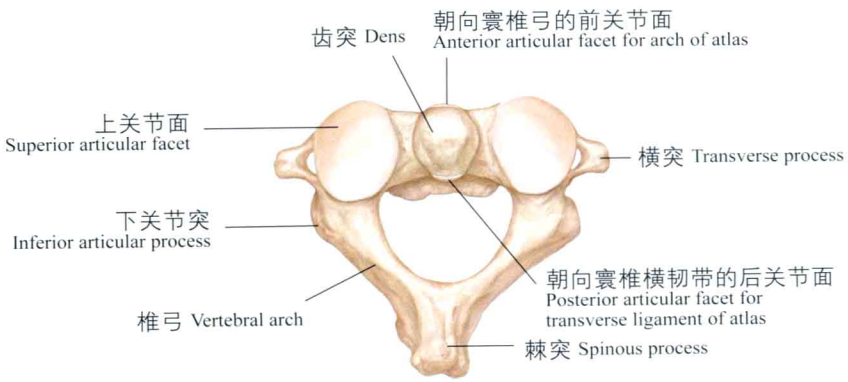
A.寰椎(C1)上面观 Atlas (C1), superior view



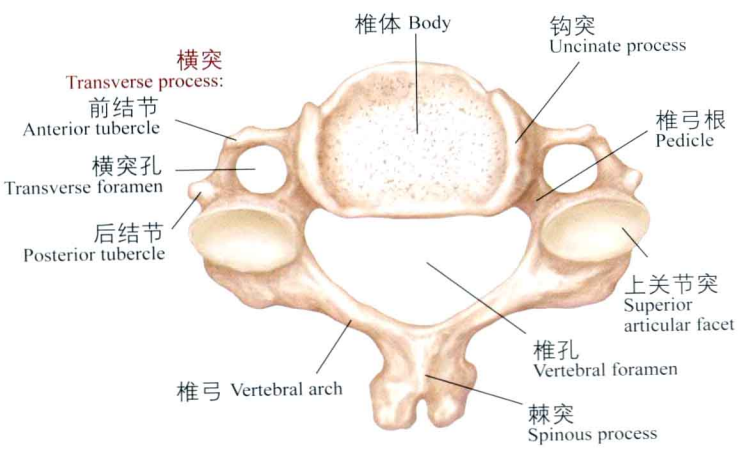
B.寰椎(C1)下面观 Atlas (C1), inferior view



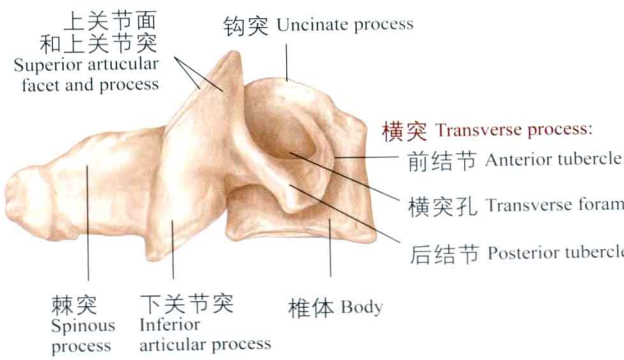
C.枢椎(C2)上面观 Axis(C2), superior view



D.颈椎(C4) 上面观 Cervical vertebra(C4), superior view

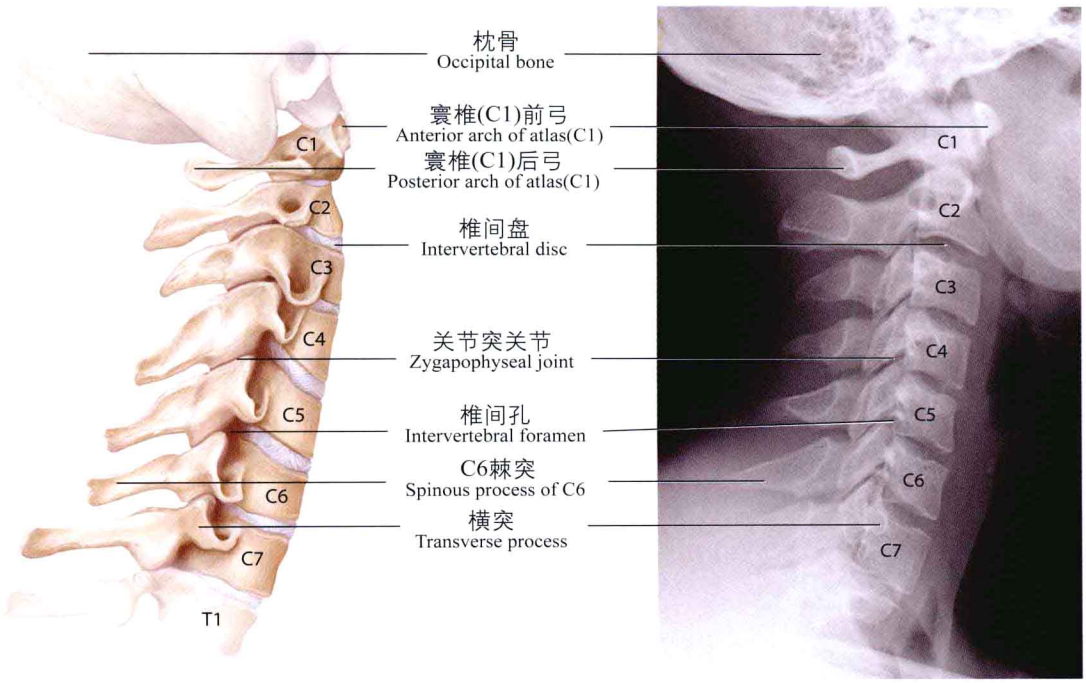


E.颈椎(C4)侧面观 Cervical vertebral (C4), lateral view



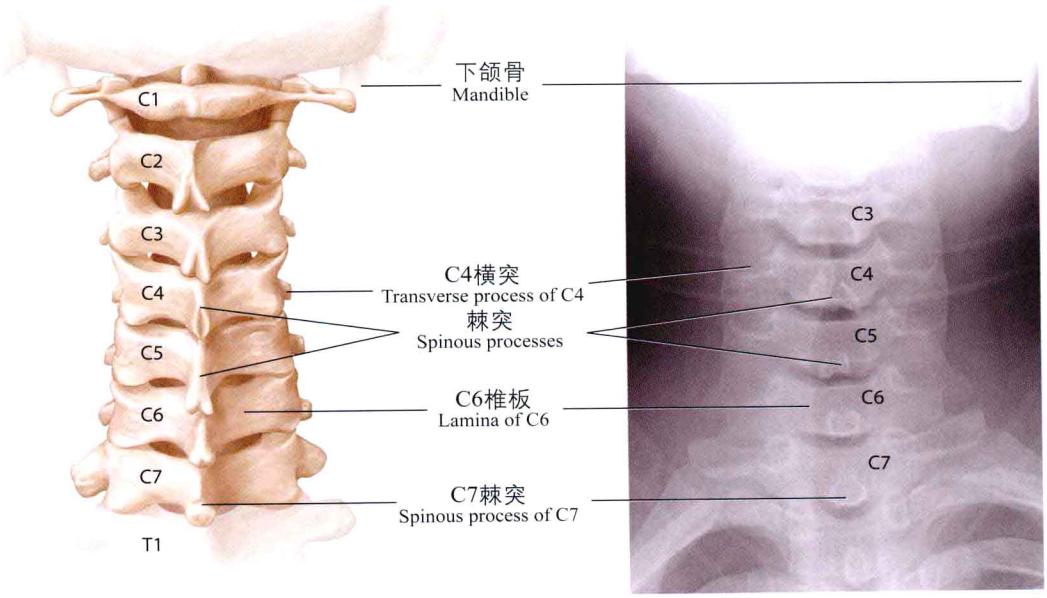
A.侧面观 Lateral view

B.颈椎X线片，侧面观 Radiograph of cervical vertebrae,lateral view

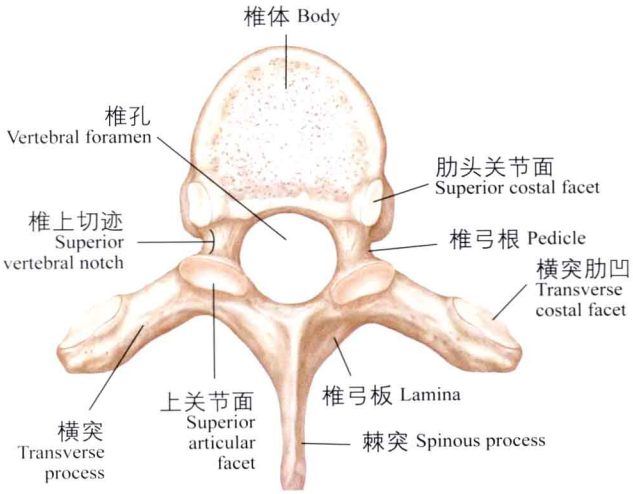


C.后面观 Posterior view

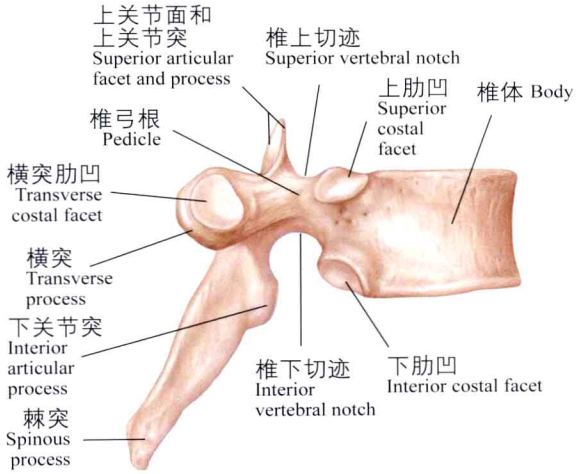
D.颈椎X 线片，后面观 Radiograph of cervical vertebrae,posterior view



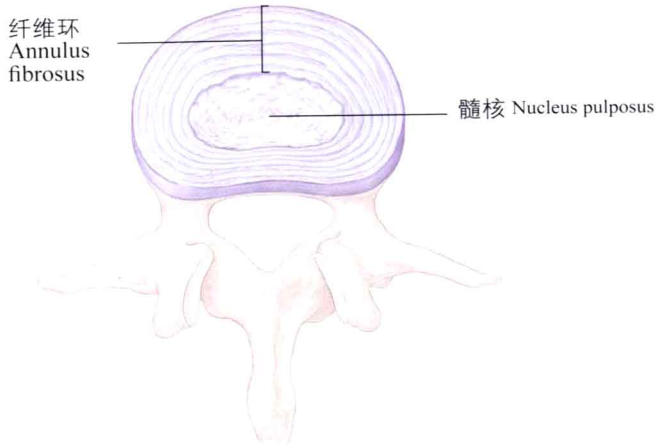
A.胸椎(T6)上面观 Thoracic vertebra(T6), superior view



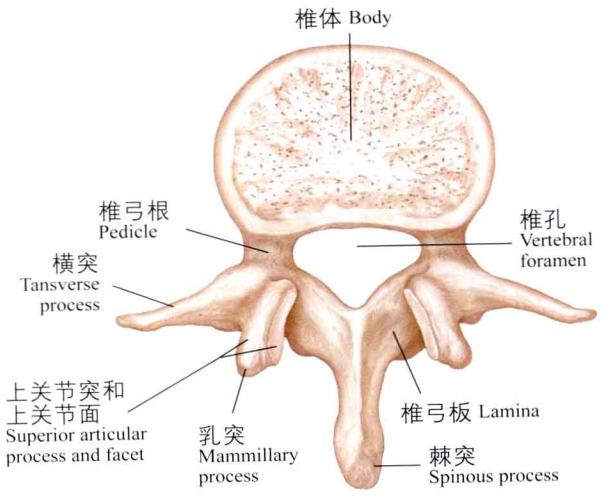
B.胸椎(T6)侧面观 Thoracic vertebra(T6), Lateral view



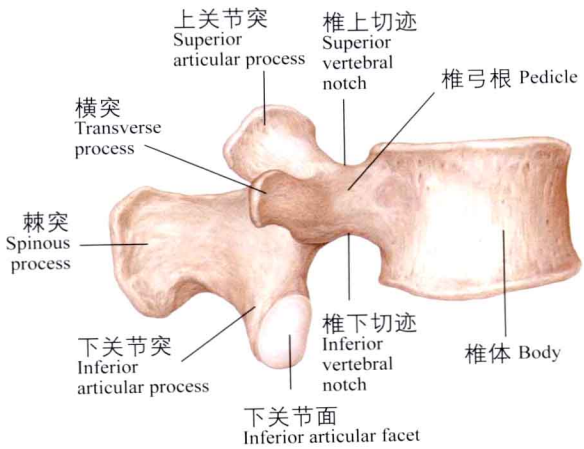
C.椎间盘上面观 Intervertebral disc, superior view

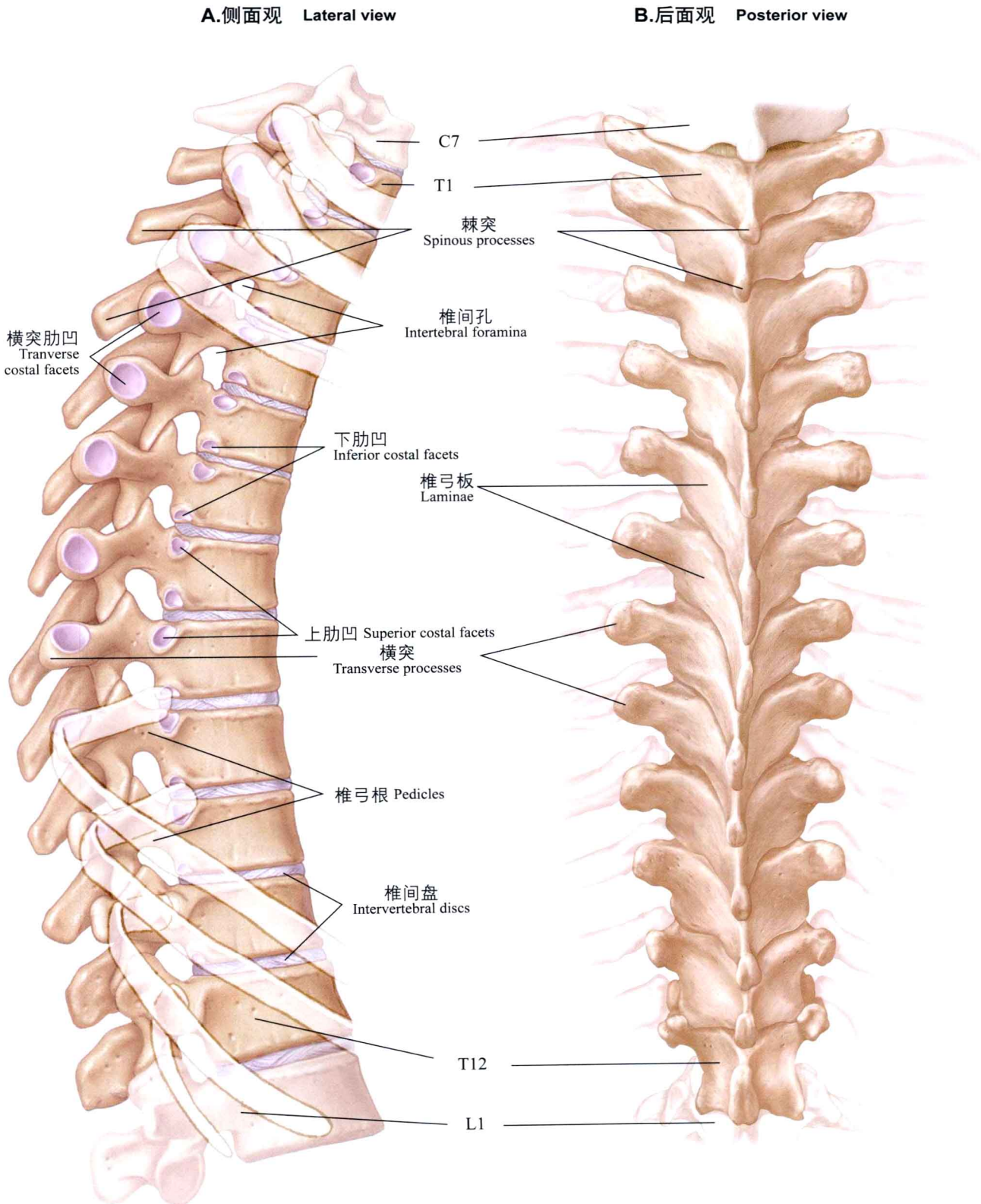


D.腰椎(L3)上面观 Lumbar vertebral (L3), Superior view



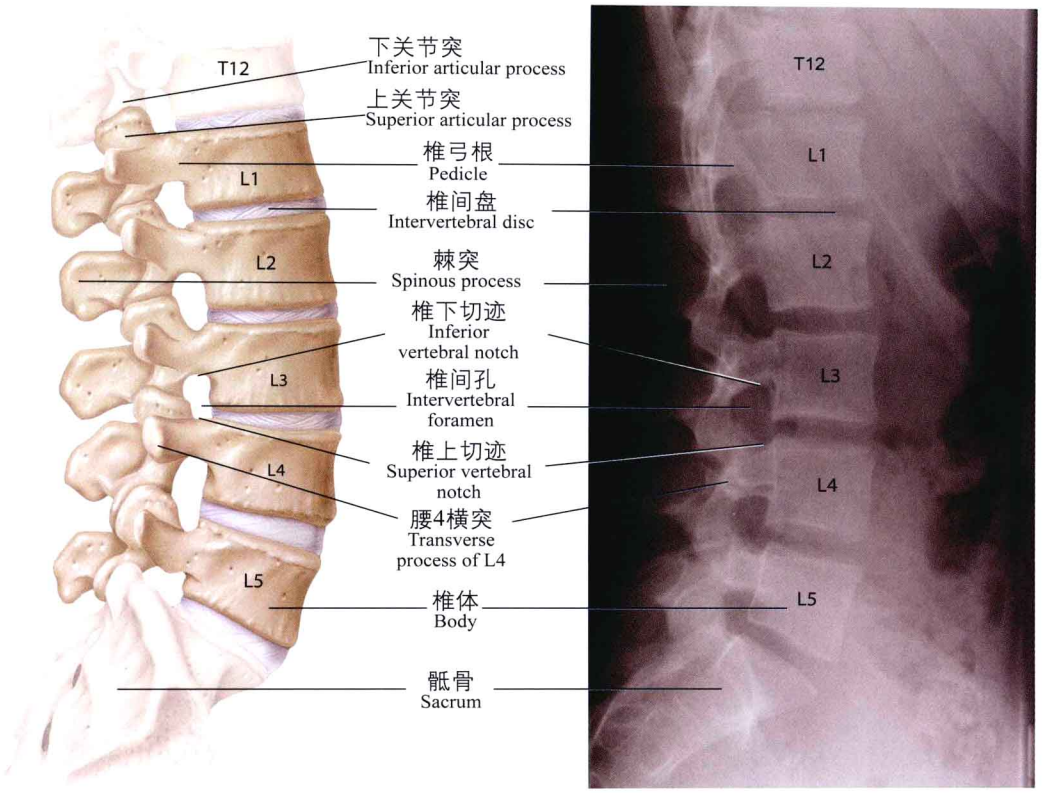
E.腰椎(L3)侧面观 Lumbar vertebra (L3), lateral view




A.侧面观 Lateral view
B.后面观 Posterior view
C7
T1
棘突
Spinous processes
椎间孔
Intertebral foramina
横突肋凹
Tranverse
costal facets
下肋凹
Inferior costal facets
椎弓板
Laminae
上肋凹 Superior costal facets
横突
Transverse processes
椎弓根 Pedicles
椎间盘
Intervertebral discs
T12
L1

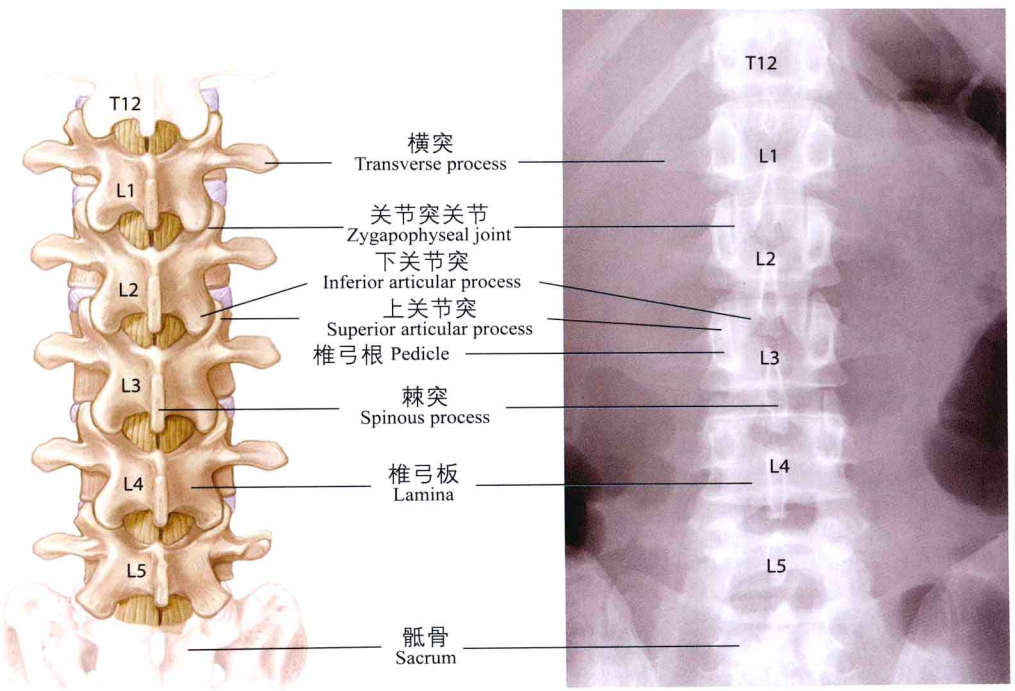
A.侧面观 Lateral view

B.腰椎X线片，侧面观 Radiograph of lumbar vertebrae,lateral view

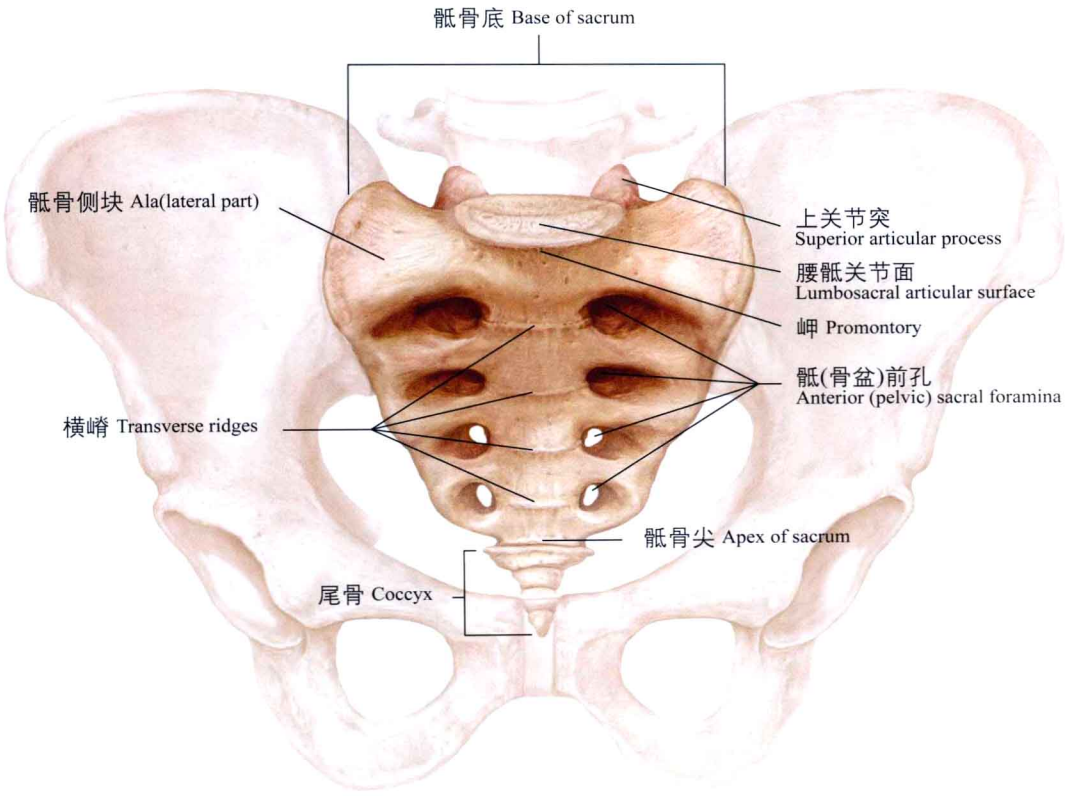


C.后面观 Posterior view

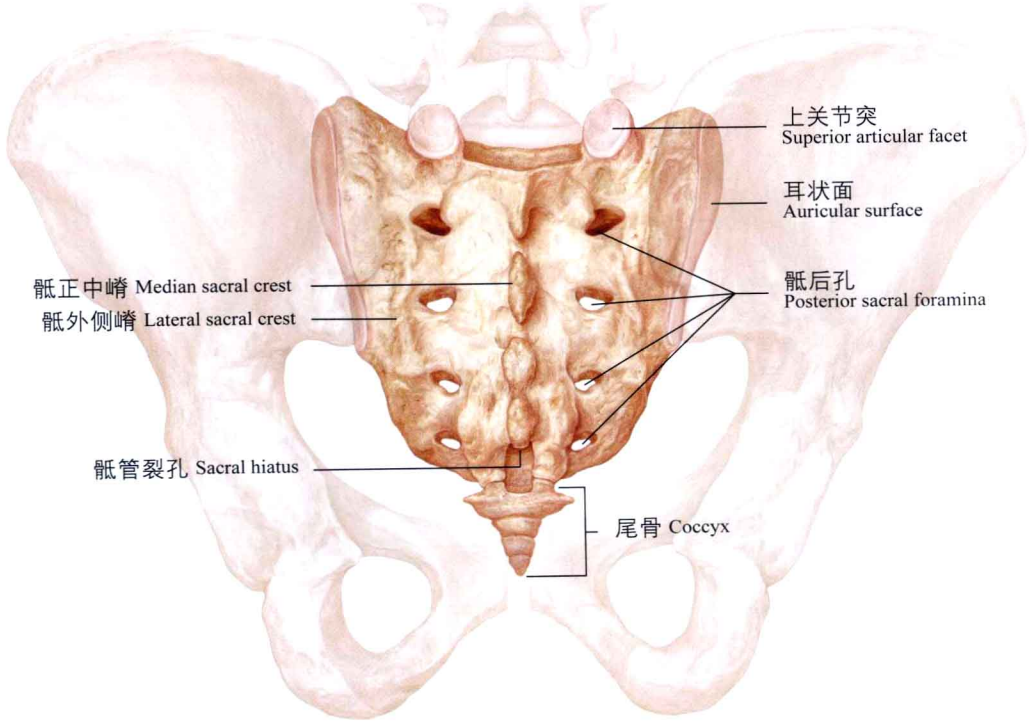
D.腰椎X线片，后面观 Radiograph of lumbar vertebrae,posterior view



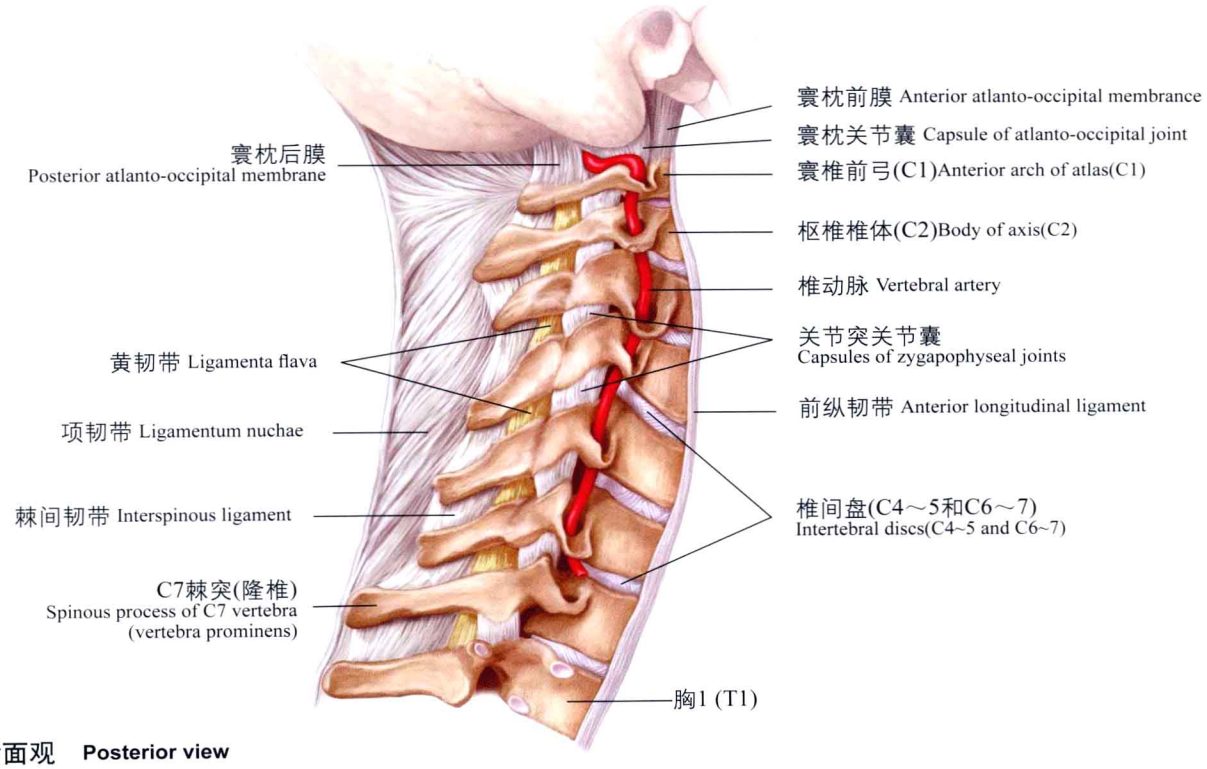
A.前面观 Anterior view



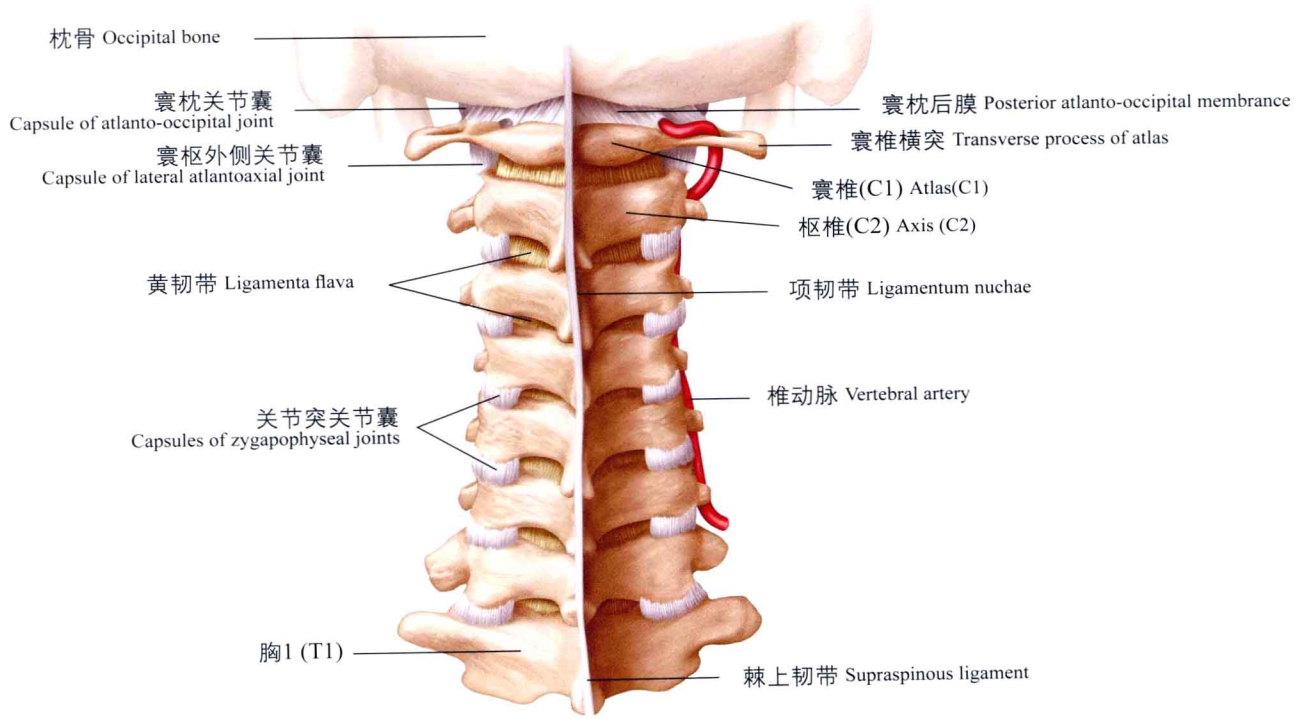
B.后面观 Posterior view

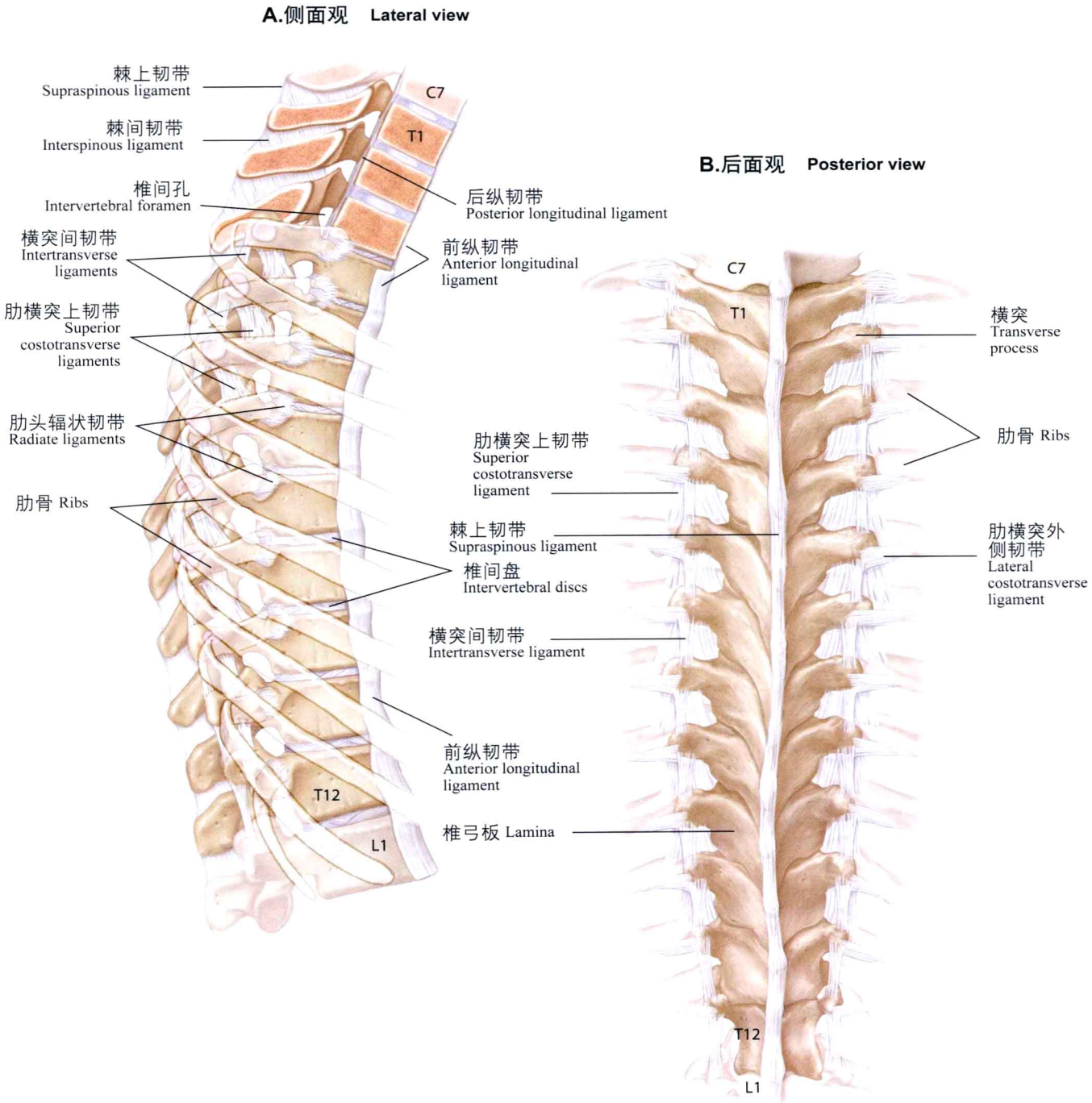


A.侧面观 Lateral view

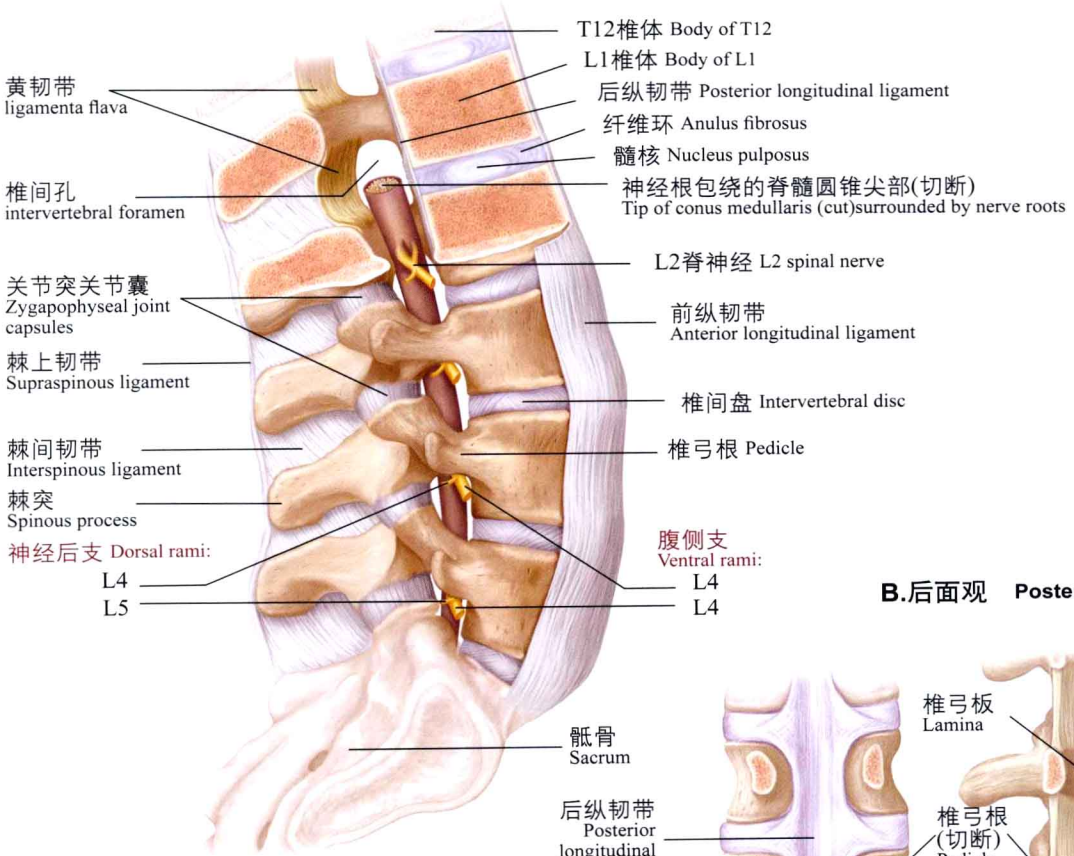


B.后面观 Posterior view

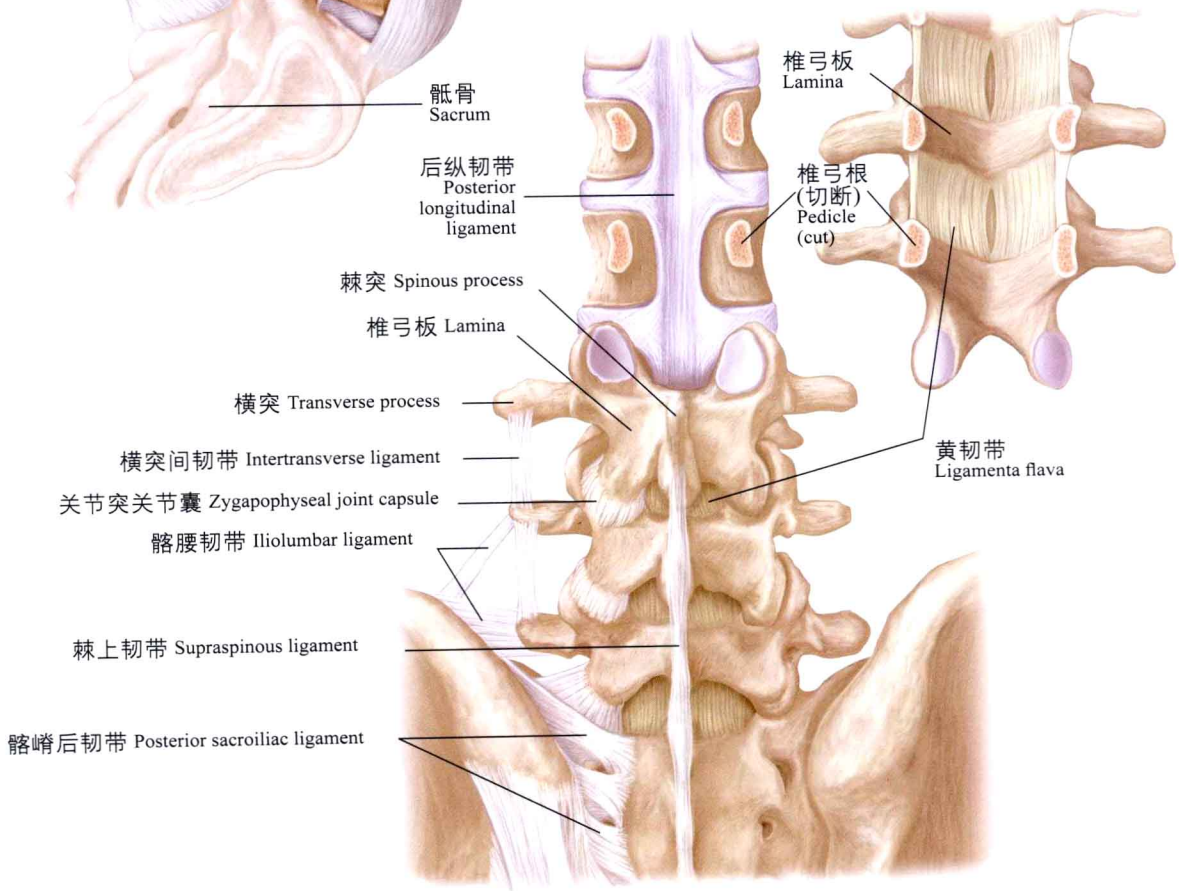


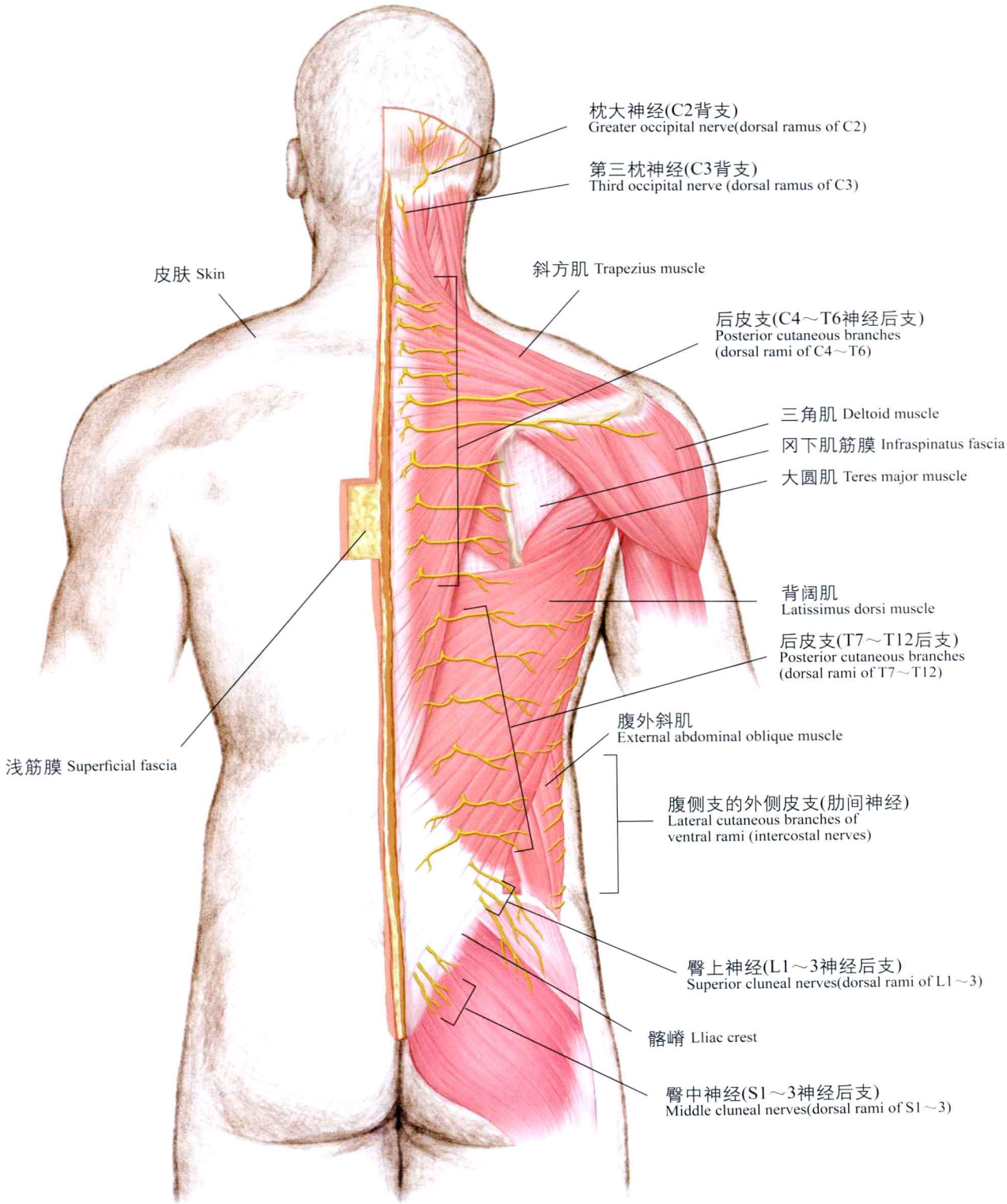

A.侧面观 Lateral view
棘上韧带
Supraspinous ligament
棘间韧带
Interspinous ligament
椎间孔
Intervertebral foramen
横突间韧带
Intertransverse ligaments
肋横突上韧带
Superior costotransverse ligaments
肋头辐状韧带
Radiate ligaments
肋骨 Ribs
C7
T1
后纵韧带
Posterior longitudinal ligament
前纵韧带
Anterior longitudinal ligament
T12
L1
前纵韧带
Anterior longitudinal ligament
椎间盘
Intervertebral discs
B.后面观 Posterior view
C7
T1
横突
Transverse process
肋骨 Ribs
肋横突上韧带
Superior costotransverse ligament
棘上韧带
Supraspinous ligament
肋横突外侧韧带
Lateral costotransverse ligament
横突间韧带
Intertransverse ligament
椎弓板 Lamina
T12
L1

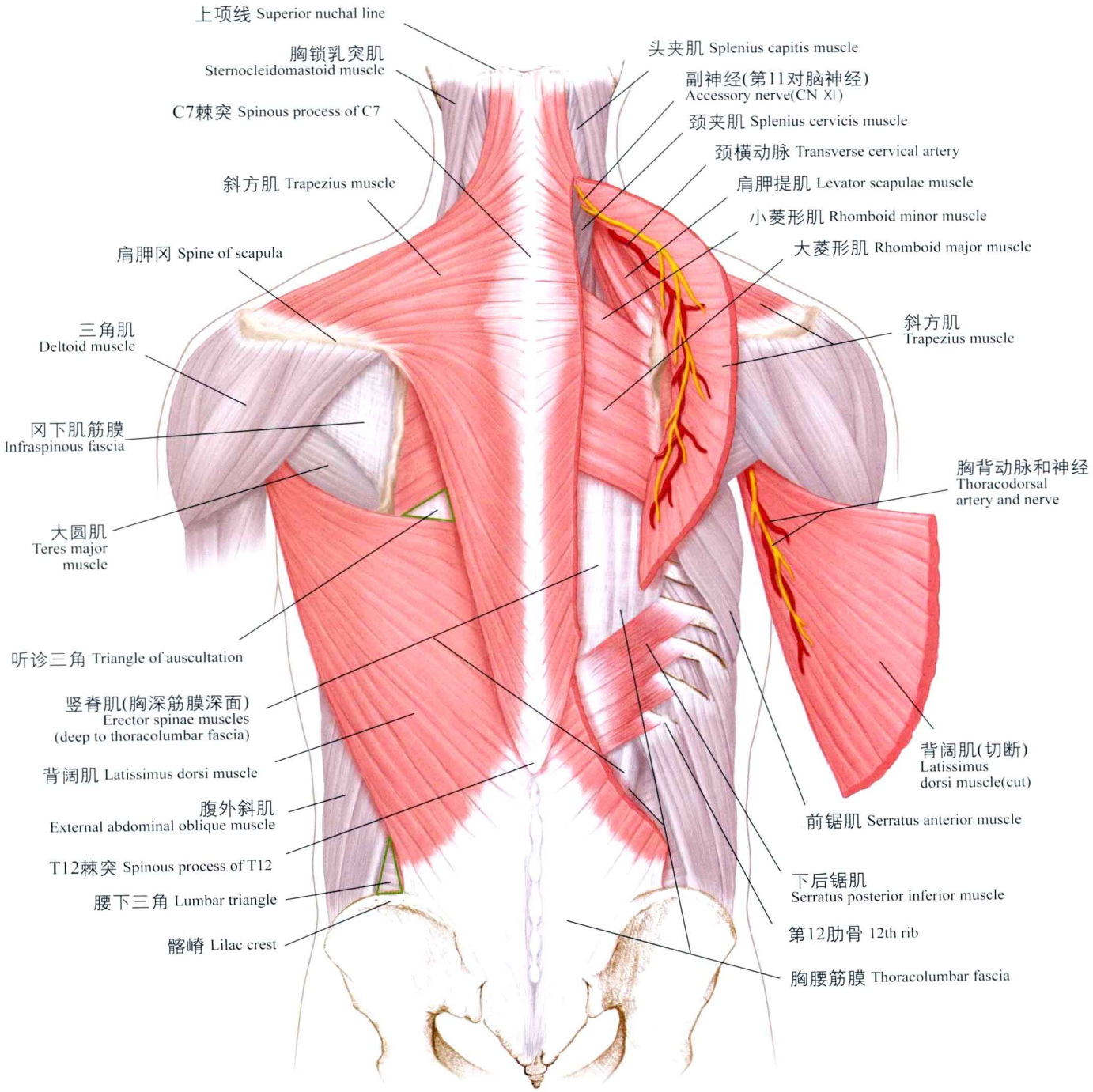
A.侧面观 Lateral view

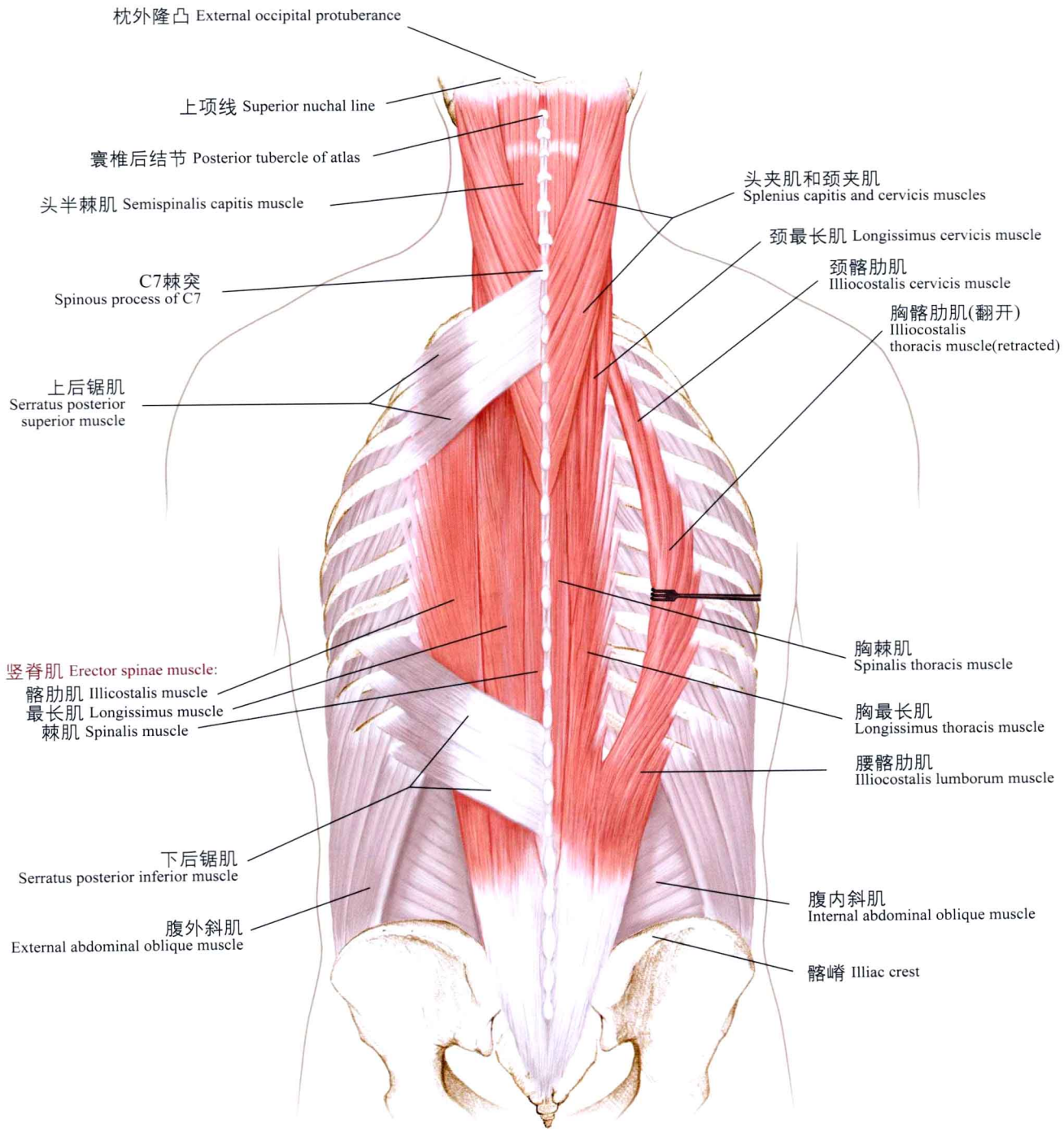


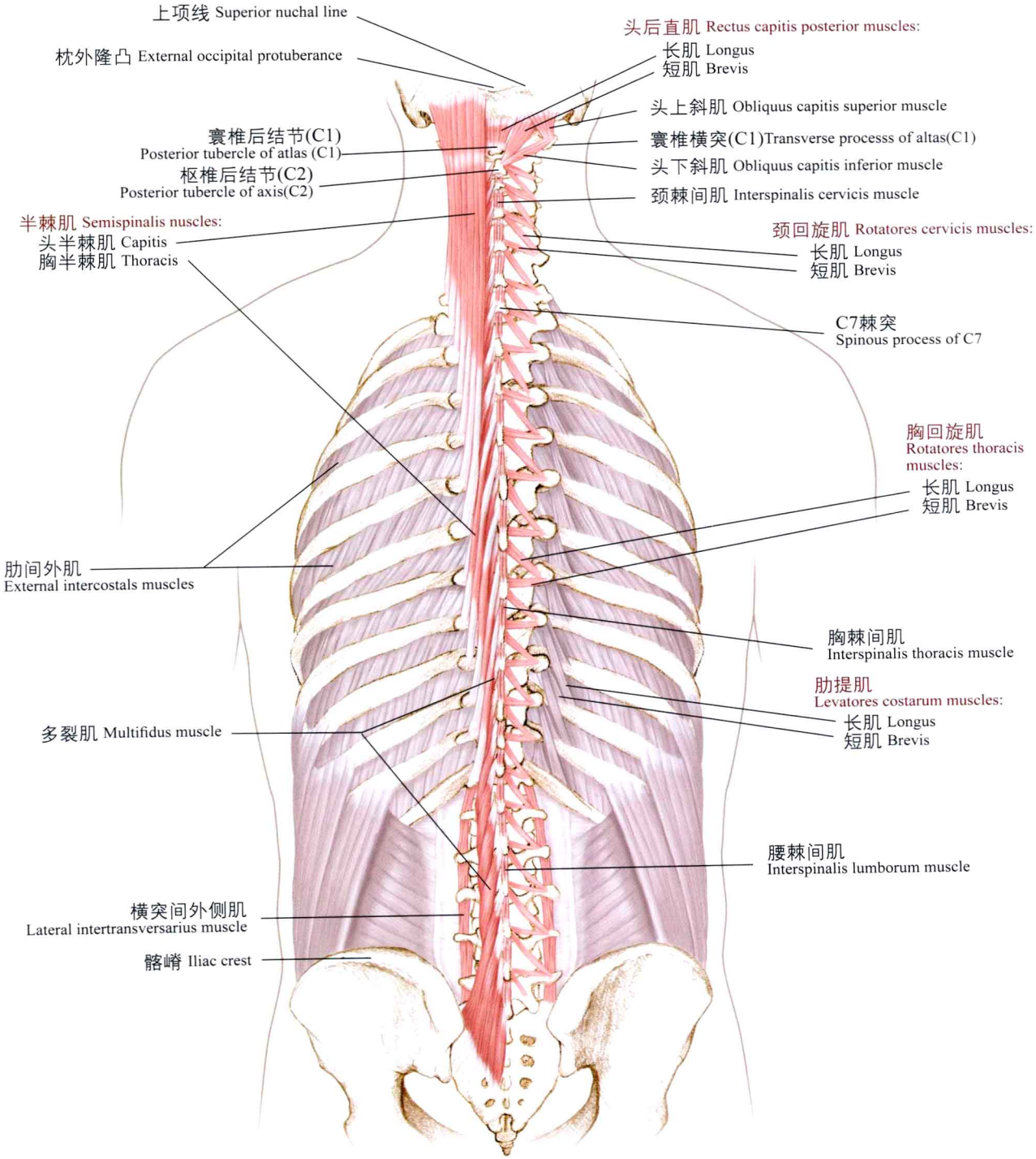
B.后面观 Posterior view

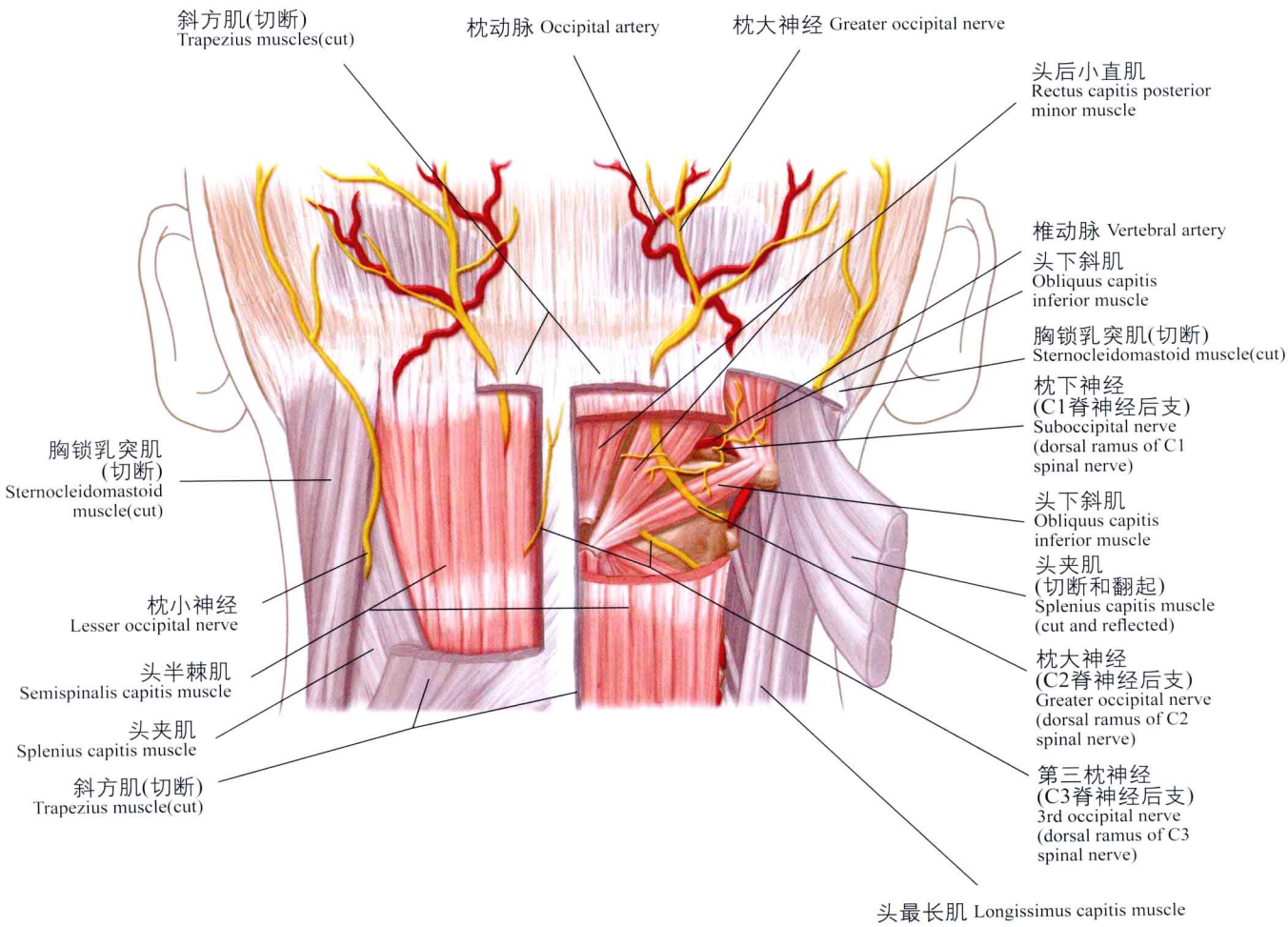



枕大神经(C2背支)
Greater occipital nerve(dorsal ramus of C2)
第三枕神经(C3背支)
Third occipital nerve (dorsal ramus of C3)
皮肤 Skin
斜方肌 Trapezius muscle
后皮支(C4～T6神经后支)
Posterior cutaneous branches
(dorsal rami of C4～T6)
三角肌 Deltoid muscle
冈下肌筋膜 Infraspinatus fascia
大圆肌 Teres major muscle
背阔肌
Latissimus dorsi muscle
后皮支(T7～T12后支)
Posterior cutaneous branches
(dorsal rami of T7～T12)
浅筋膜 Superficial fascia
腹外斜肌
External abdominal oblique muscle
腹侧支的外侧皮支(肋间神经)
Lateral cutaneous branches of
ventral rami (intercostal nerves)
臀上神经(L1～3神经后支)
Superior cluneal nerves(dorsal rami of L1～3)
髂嵴 Lliac crest
臀中神经(S1～3神经后支)
Middle cluneal nerves(dorsal rami of S1～3)

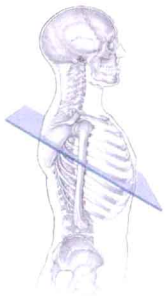

上项线 Superior nuchal line
胸锁乳突肌
Sternocleidomastoid muscle
C7棘突 Spinous process of C7
斜方肌 Trapezius muscle
肩胛冈 Spine of scapula
三角肌
Deltoid muscle
冈下肌筋膜
Infraspinous fascia
大圆肌
Teres major muscle
听诊三角 Triangle of auscultation
竖脊肌(胸深筋膜深面)
Erector spinae muscles
(deep to thoracolumbar fascia)
背阔肌 Latissimus dorsi muscle
腹外斜肌
External abdominal oblique muscle
T12棘突 Spinous process of T12
腰下三角 Lumbar triangle
髂嵴 Lilac crest
头夹肌 Splenius capitis muscle
副神经(第11对脑神经)
Accessory nerve(CN XI)
颈夹肌 Splenius cervicis muscle
颈横动脉 Transverse cervical artery
肩胛提肌 Levator scapulae muscle
小菱形肌 Rhomboid minor muscle
大菱形肌 Rhomboid major muscle
斜方肌
Trapezius muscle
胸背动脉和神经
Thoracodorsal artery and nerve
背阔肌(切断)
Latissimus dorsi muscle(cut)
前锯肌 Serratus anterior muscle
下后锯肌
Serratus posterior inferior muscle
第12肋骨 12th rib
胸腰筋膜 Thoracolumbar fascia

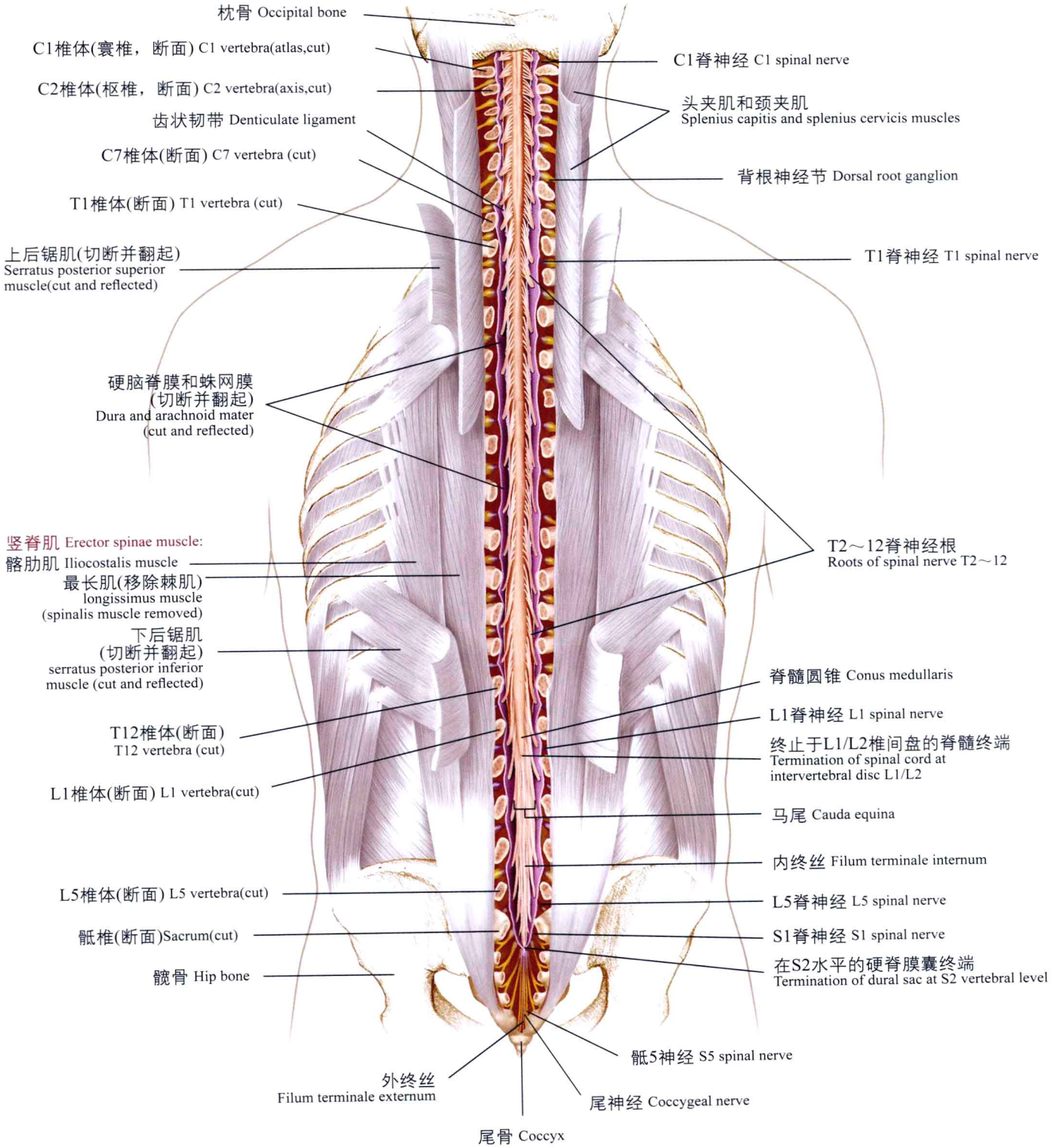

枕外隆凸 External occipital protuberance
上项线 Superior nuchal line
寰椎后结节 Posterior tubercle of atlas
头半棘肌 Semispinalis capitis muscle
C7棘突
Spinous process of C7
上后锯肌
Serratus posterior superior muscle
竖脊肌 Erector spinae muscle:
髂肋肌 Illicostalis muscle
最长肌 Longissimus muscle
棘肌 Spinalis muscle
下后锯肌
Serratus posterior inferior muscle
腹外斜肌
External abdominal oblique muscle
头夹肌和颈夹肌
Splenius capitis and cervicis muscles
颈最长肌 Longissimus cervicis muscle
颈髂肋肌
Illiocostalis cervicis muscle
胸髂肋肌(翻开)
Illiocostalis thoracis muscle(retracted)
胸棘肌
Spinalis thoracis muscle
胸最长肌
Longissimus thoracis muscle
腰髂肋肌
Illiocostalis lumborum muscle
腹内斜肌
Internal abdominal oblique muscle
髂嵴 Illiac crest


上项线 Superior nuchal line
枕外隆凸 External occipital protuberance
寰椎后结节(C1)
Posterior tubercle of atlas (C1)
枢椎后结节(C2)
Posterior tubercle of axis(C2)
半棘肌 Semispinalis nuscles:
头半棘肌 Capitis
胸半棘肌 Thoracis
肋间外肌
External intercostals muscles
多裂肌 Multifidus muscle
横突间外侧肌
Lateral intertransversarius muscle
髂嵴 Iliac crest
头后直肌 Rectus capitis posterior muscles:
长肌 Longus
短肌 Brevis
头上斜肌 Obliquus capitis superior muscle
寰椎横突(C1)Transverse processs of altas(C1)
头下斜肌 Obliquus capitis inferior muscle
颈棘间肌 Interspinalis cervicis muscle
颈回旋肌 Rotatores cervicis muscles:
长肌 Longus
短肌 Brevis
C7棘突
Spinous process of C7
胸回旋肌
Rotatores thoracis muscles:
长肌 Longus
短肌 Brevis
胸棘间肌
Interspinalis thoracis muscle
肋提肌
Levatores costarum muscles:
长肌 Longus
短肌 Brevis
腰棘间肌
Interspinalis lumborum muscle

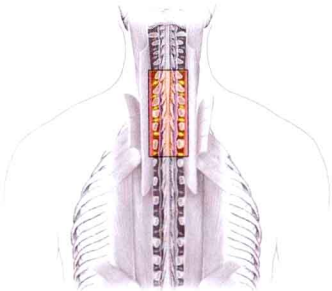

斜方肌(切断)
Trapezius muscles(cut)
枕动脉 Occipital artery
枕大神经 Greater occipital nerve
头后小直肌
Rectus capitis posterior minor muscle
椎动脉 Vertebral artery
头下斜肌
Obliquus capitis inferior muscle
胸锁乳突肌(切断)
Sternocleidomastoid muscle(cut)
枕下神经
(C1脊神经后支)
Suboccipital nerve
(dorsal ramus of C1 spinal nerve)
胸锁乳突肌
(切断)
Sternocleidomastoid muscle(cut)
头下斜肌
Obliquus capitis inferior muscle
头夹肌
(切断和翻起)
Splenius capitis muscle
(cut and reflected)
枕小神经
Lesser occipital nerve
头半棘肌
Semispinalis capitis muscle
枕大神经
(C2脊神经后支)
Greater occipital nerve
(dorsal ramus of C2 spinal nerve)
头夹肌
Splenius capitis muscle
斜方肌(切断)
Trapezius muscle(cut)
第三枕神经
(C3脊神经后支)
3rd occipital nerve
(dorsal ramus of C3 spinal nerve)
头最长肌 Longissimus capitis muscle

A.定位 Orientation




枕骨 Occipital bone
C1椎体(寰椎，断面) C1 vertebra(atlas,cut)
C2椎体(枢椎，断面) C2 vertebra(axis,cut)
齿状韧带 Denticulate ligament
C7椎体(断面) C7 vertebra (cut)
T1椎体(断面) T1 vertebra (cut)
上后锯肌(切断并翻起)
Serratus posterior superior muscle(cut and reflected)
硬脑脊膜和蛛网膜(切断并翻起)
Dura and arachnoid mater (cut and reflected)
竖脊肌 Erector spinae muscle:
髂肋肌 Iliocostalis muscle
最长肌(移除棘肌)
longissimus muscle (spinalis muscle removed)
下后锯肌(切断并翻起)
serratus posterior inferior muscle (cut and reflected)
T12椎体(断面)
T12 vertebra (cut)
L1椎体(断面) L1 vertebra(cut)
L5椎体(断面) L5 vertebra(cut)
骶椎(断面)Sacrum(cut)
髋骨 Hip bone
外终丝
Filum terminale externum
尾骨 Coccyx
C1脊神经 C1 spinal nerve
头夹肌和颈夹肌
Splenius capitis and splenius cervicis muscles
背根神经节 Dorsal root ganglion
T1脊神经 T1 spinal nerve
T2～12脊神经根
Roots of spinal nerve T2～12
脊髓圆锥 Conus medullaris
L1脊神经 L1 spinal nerve
终止于L1/L2椎间盘的脊髓终端
Termination of spinal cord at intervertebral disc L1/L2
马尾 Cauda equina
内终丝 Filum terminale internum
L5脊神经 L5 spinal nerve
S1脊神经 S1 spinal nerve
在S2水平的硬脊膜囊终端
Termination of dural sac at S2 vertebral level
骶5神经 S5 spinal nerve
尾神经 Coccygeal nerve

A.定位 Orientation



B.剖面图 Dissection

C5椎弓根(断面)
C5 pedicle (cut)

硬脑膜 Dura mater

蛛网膜 Arachnoid mater

脊髓表面的软脊膜
Pia mater on surface of spinal cord

后正中沟
Dorsal median sulcus

腹侧支 Ventral ramus

背侧支 Dorsal ramus

背侧根 Dorsal rootlets

脊神经后根
Dorsal root of spinal nerve

齿状韧带
Denticulate ligament

脊髓后动脉
Posterior spinal arteries

肋间后动脉脊支
Spinal branches of posterior intercostal artery

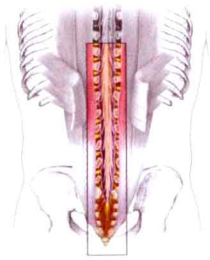
后根动脉
Posterior radicular artery

脊神经腹侧根
Ventral root of spinal nerve

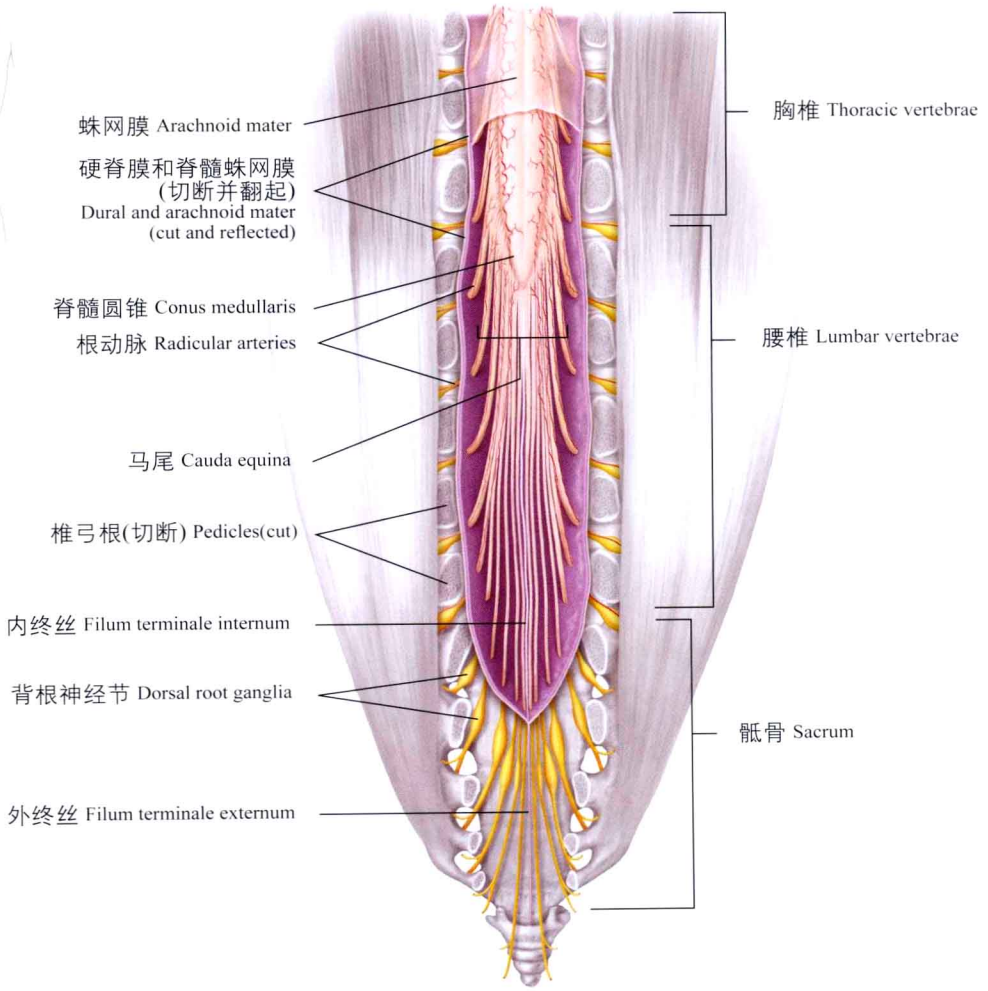
背根神经节
Dorsal root ganglion

T3椎弓根(断面)
T3 pedicle (cut)

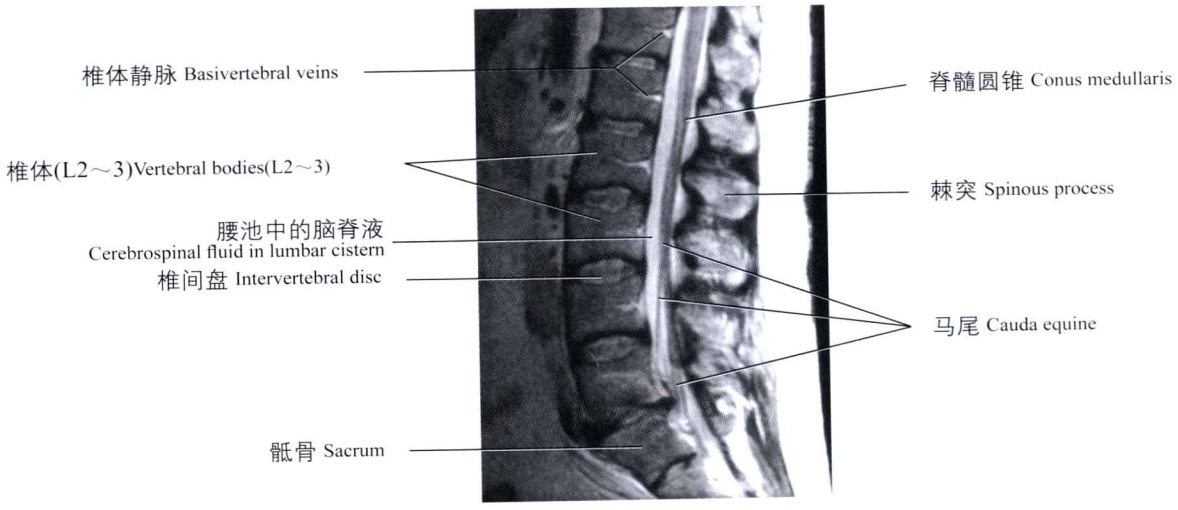
A.定位 Orientation

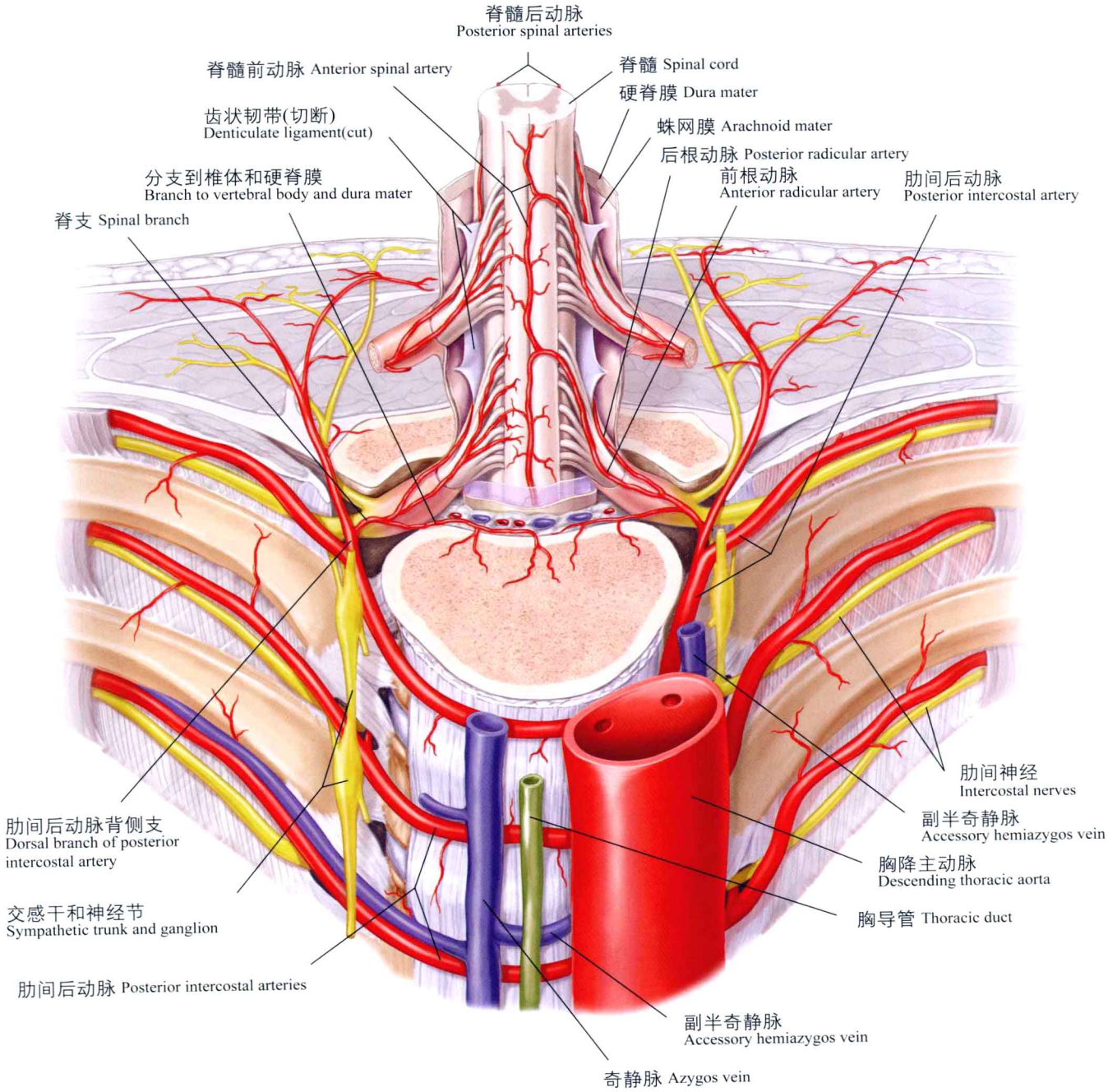


B.剖面图 Dissection

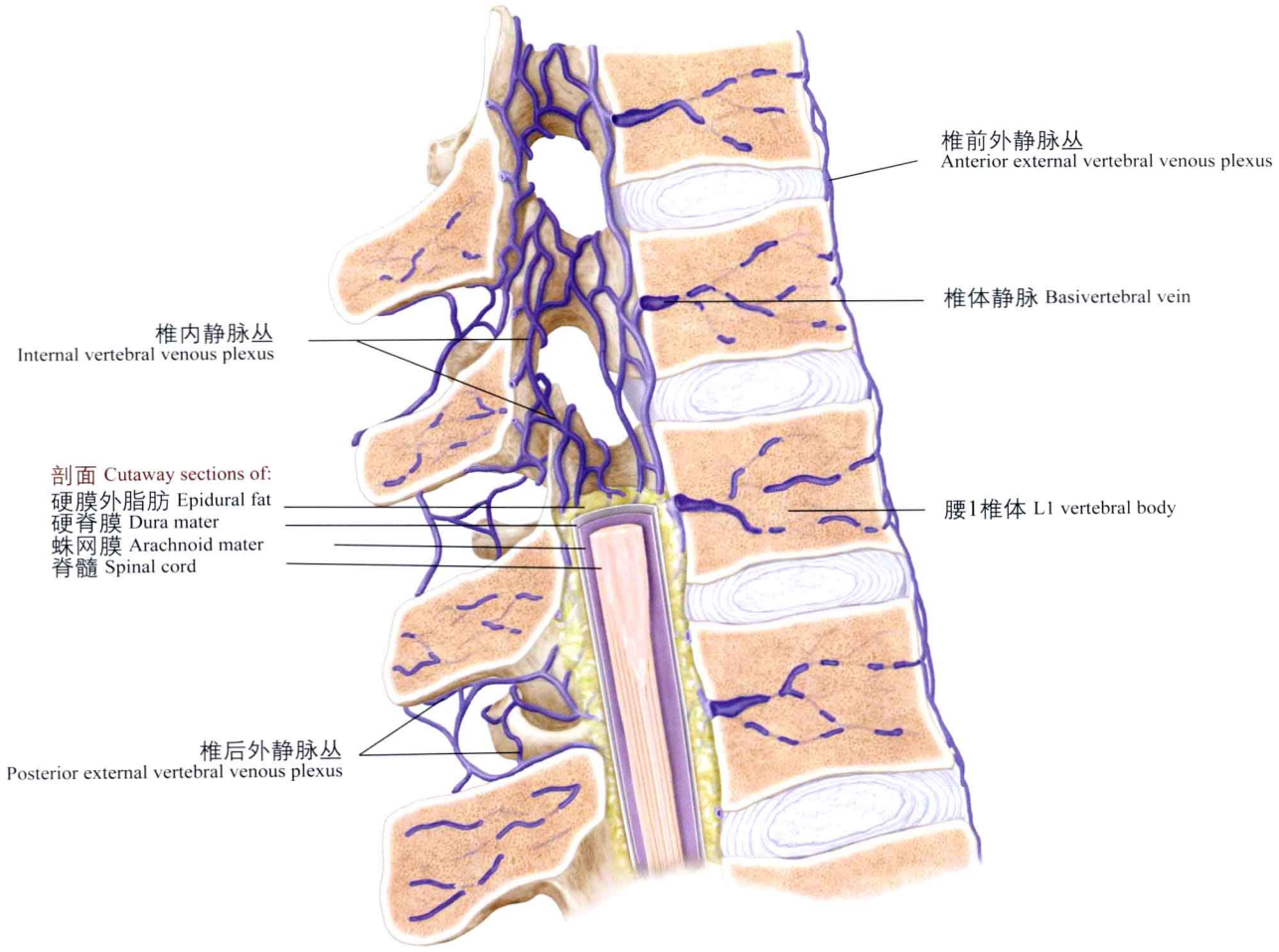


C.磁共振图像(T2加权)矢状观 MRI(T2 weighted), sagittal view

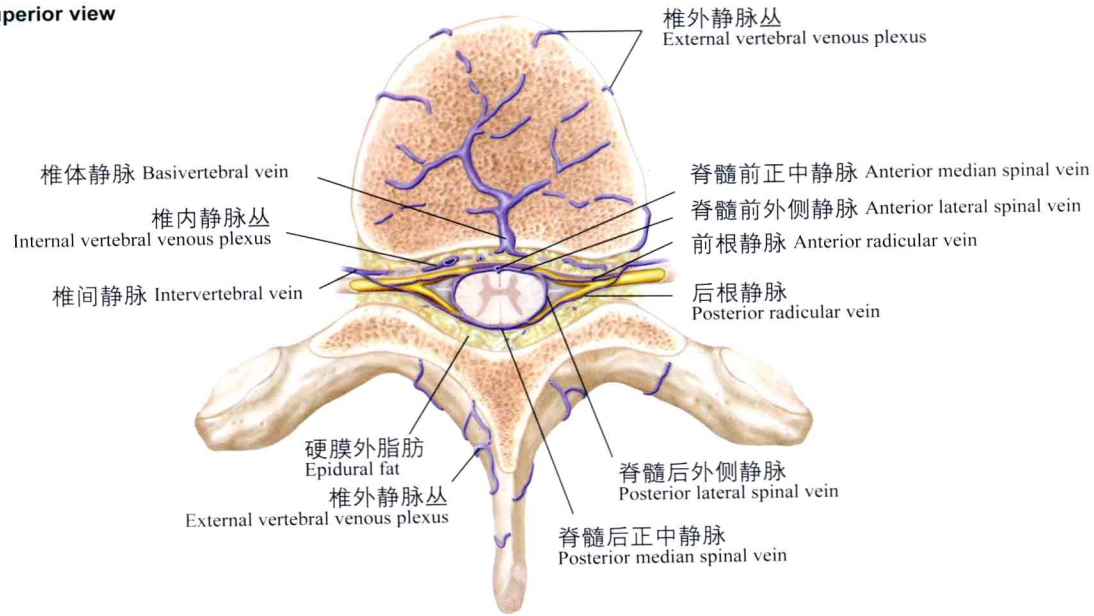



脊髓后动脉
Posterior spinal arteries
脊髓前动脉 Anterior spinal artery
脊髓 Spinal cord
硬脊膜 Dura mater
齿状韧带(切断)
Denticulate ligament(cut)
蛛网膜 Arachnoid mater
后根动脉 Posterior radicular artery
分支到椎体和硬脊膜
Branch to vertebral body and dura mater
前根动脉
Anterior radicular artery
肋间后动脉
Posterior intercostal artery
脊支 Spinal branch
肋间神经
Intercostal nerves
副半奇静脉
Accessory hemiazygos vein
肋间后动脉背侧支
Dorsal branch of posterior intercostal artery
胸降主动脉
Descending thoracic aorta
交感干和神经节
Sympathetic trunk and ganglion
胸导管 Thoracic duct
肋间后动脉 Posterior intercostal arteries
副半奇静脉
Accessory hemiazygos vein
奇静脉 Azygos vein

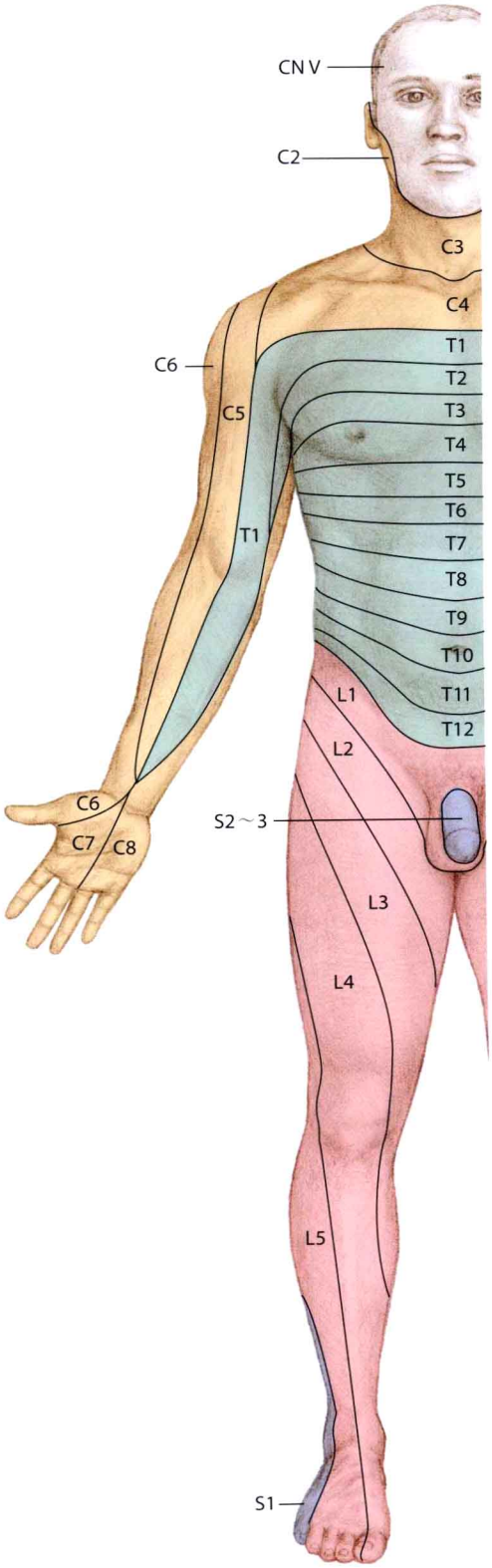
A.矢状观 Sagittal view



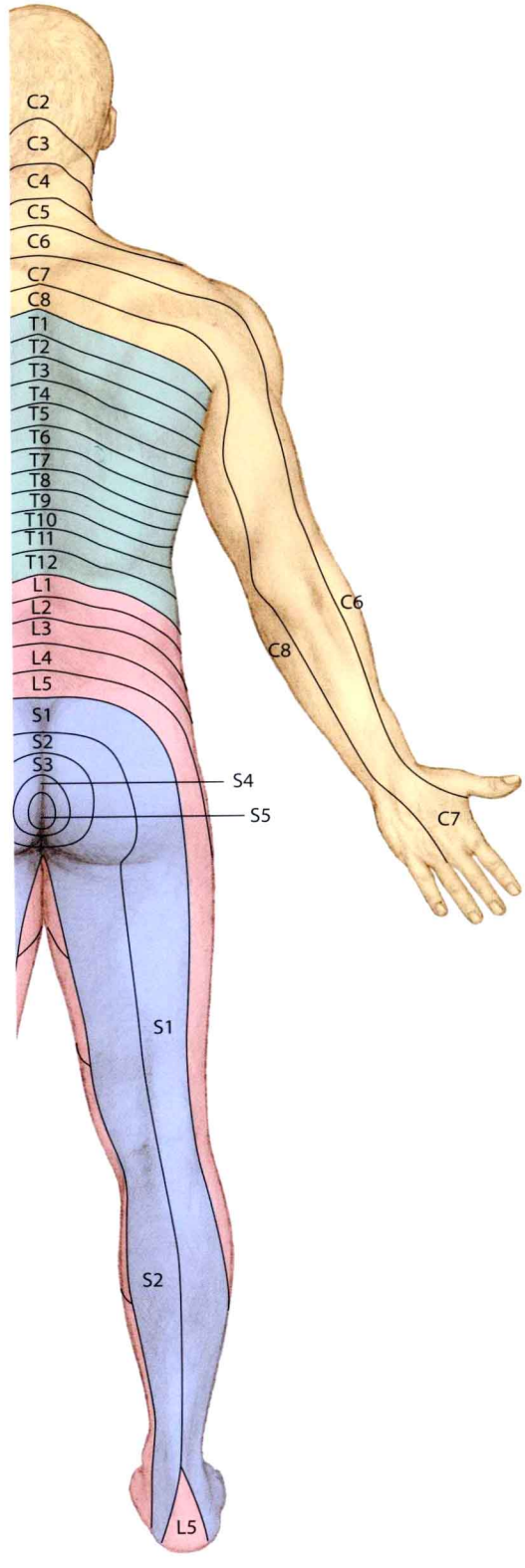
B.上面观 Superior view



A.前面观 Anerior view

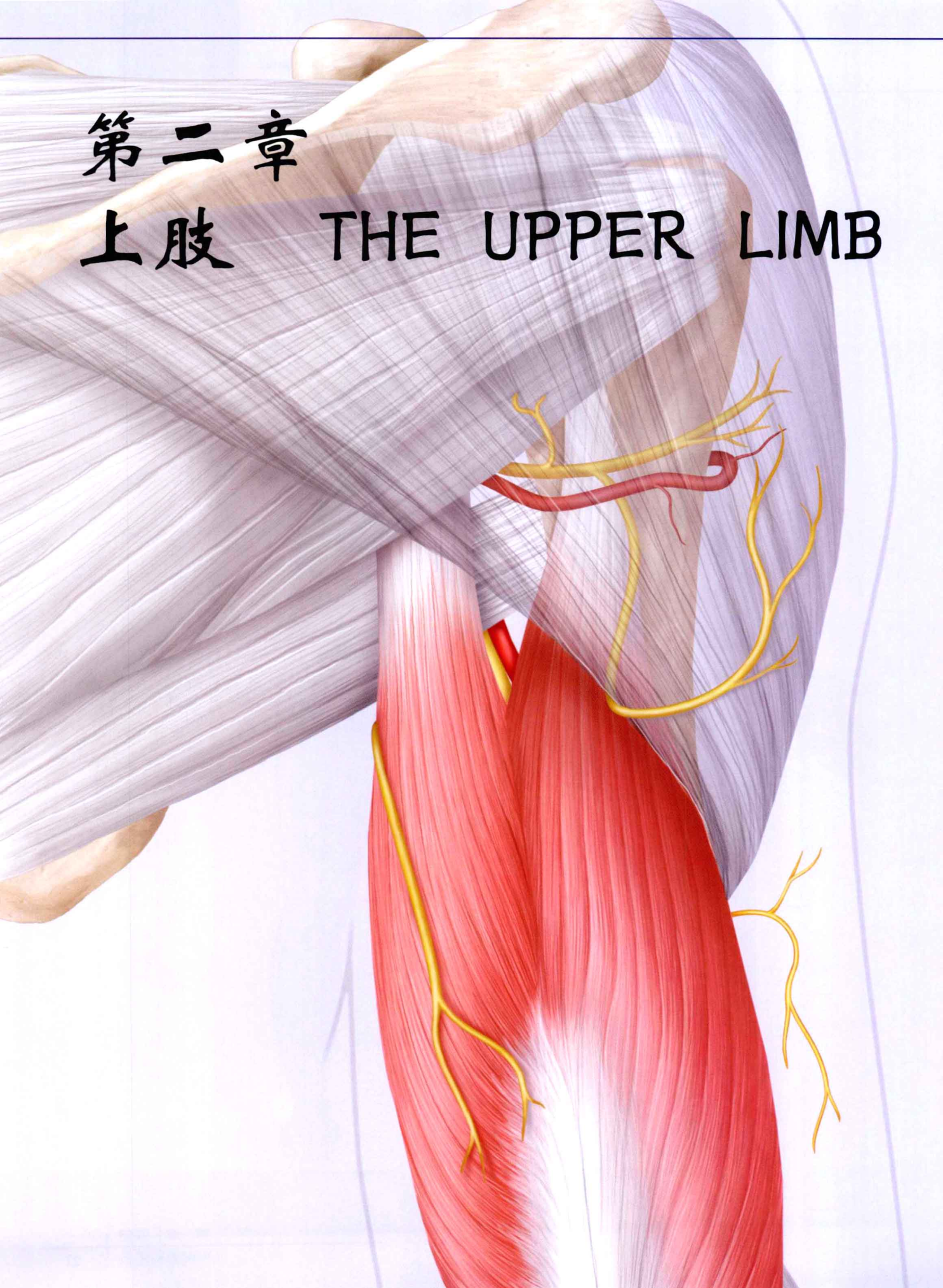


B.后面观 Posterior view



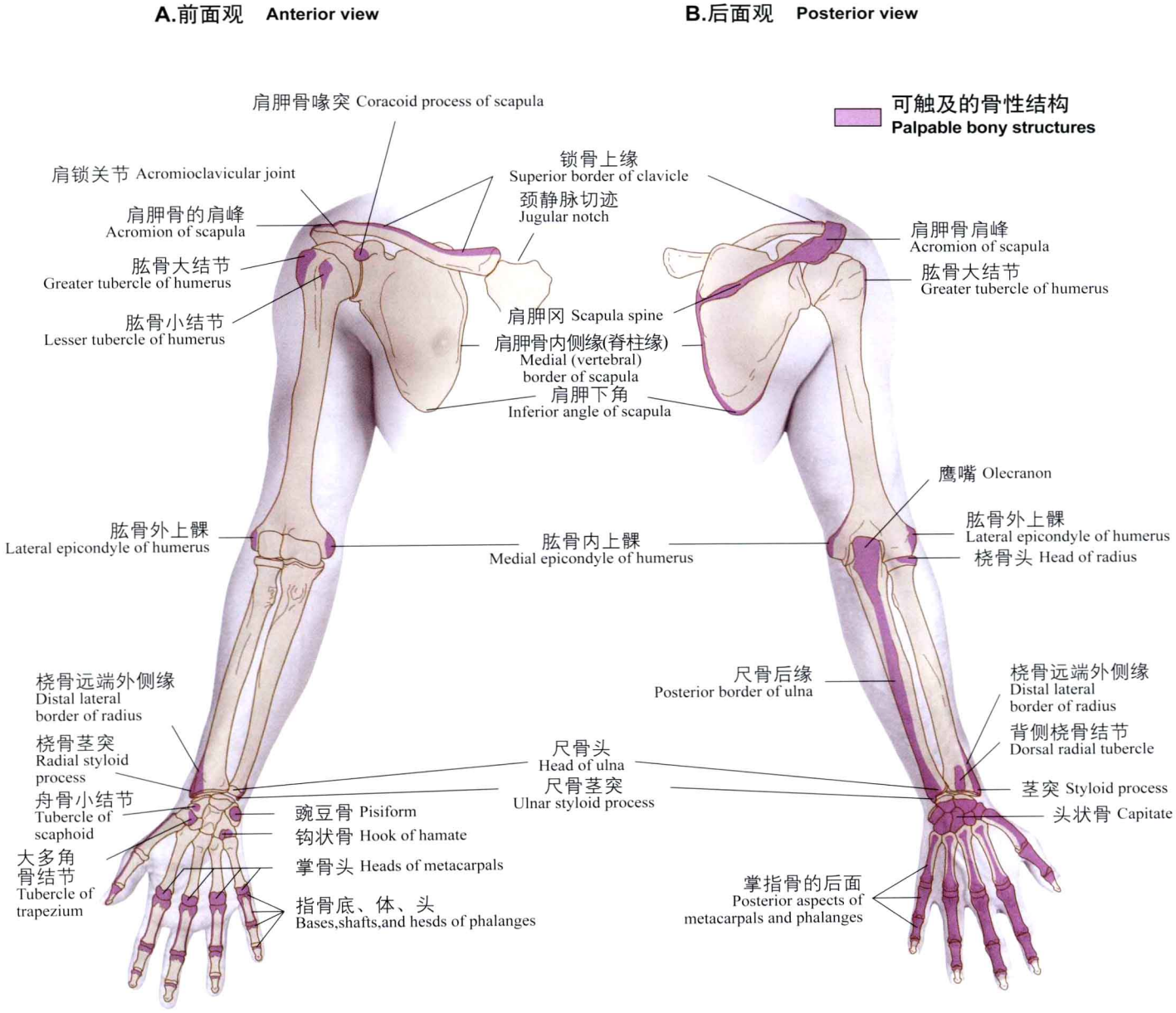
第二章

上肢 THE UPPER LIMB



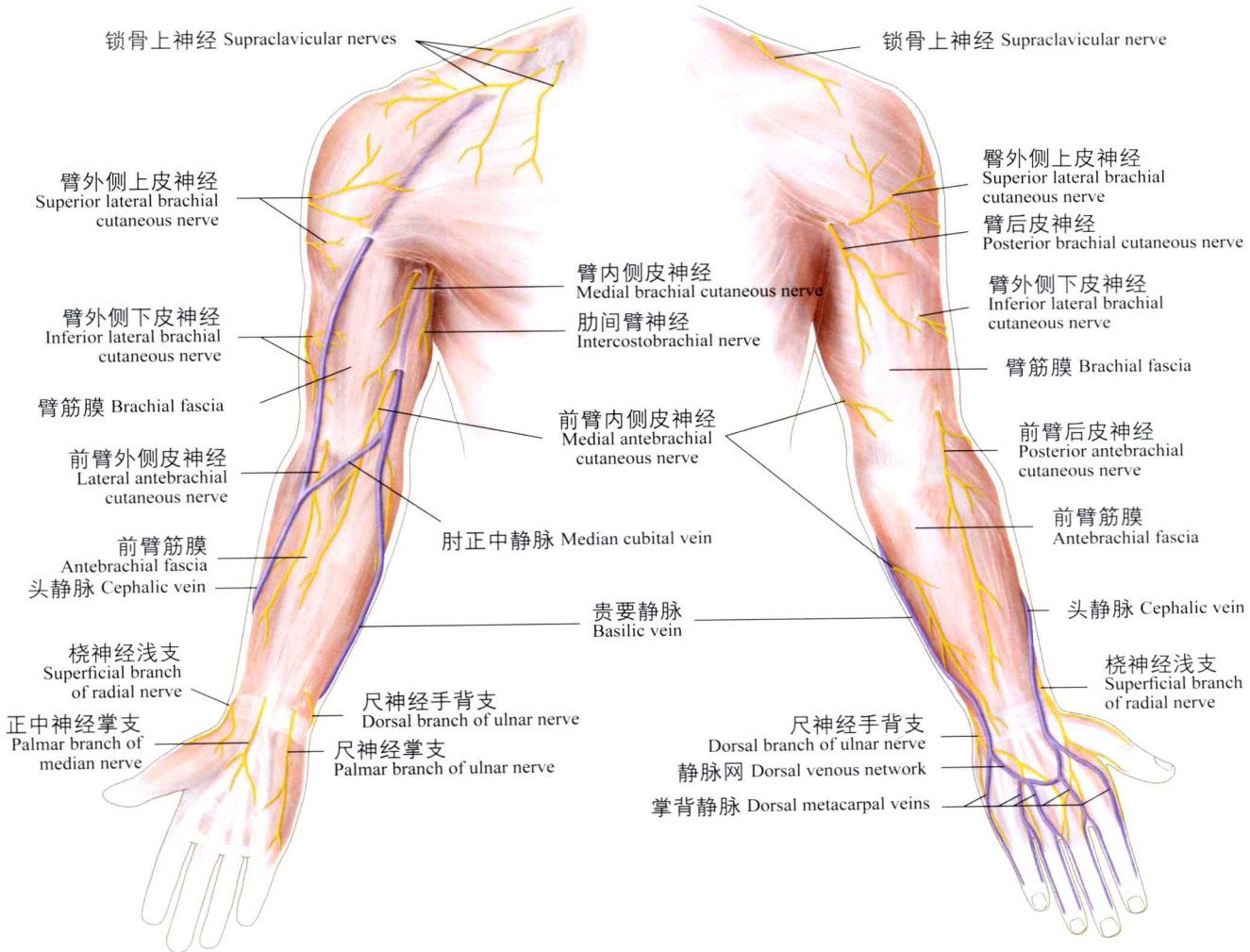
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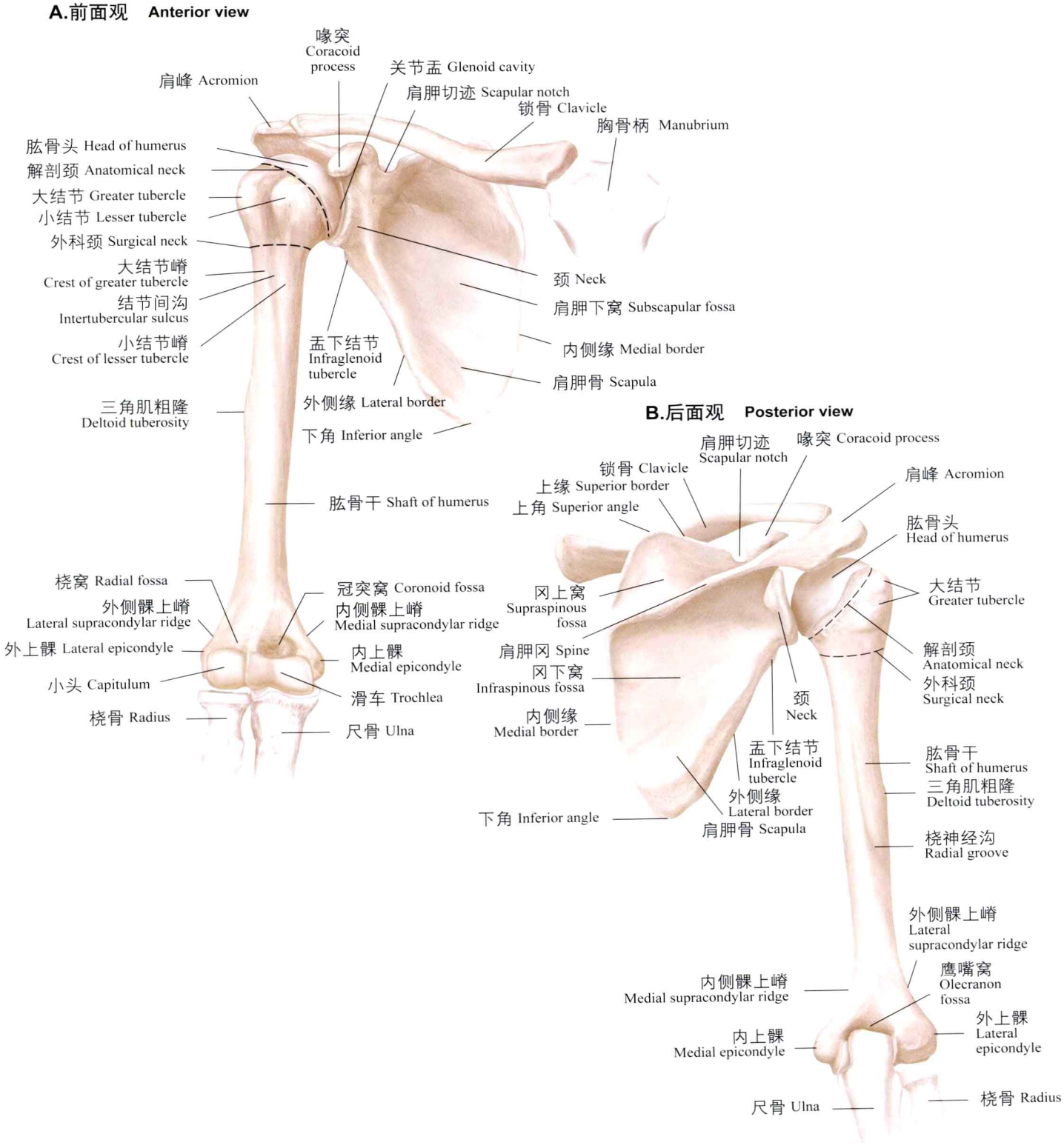
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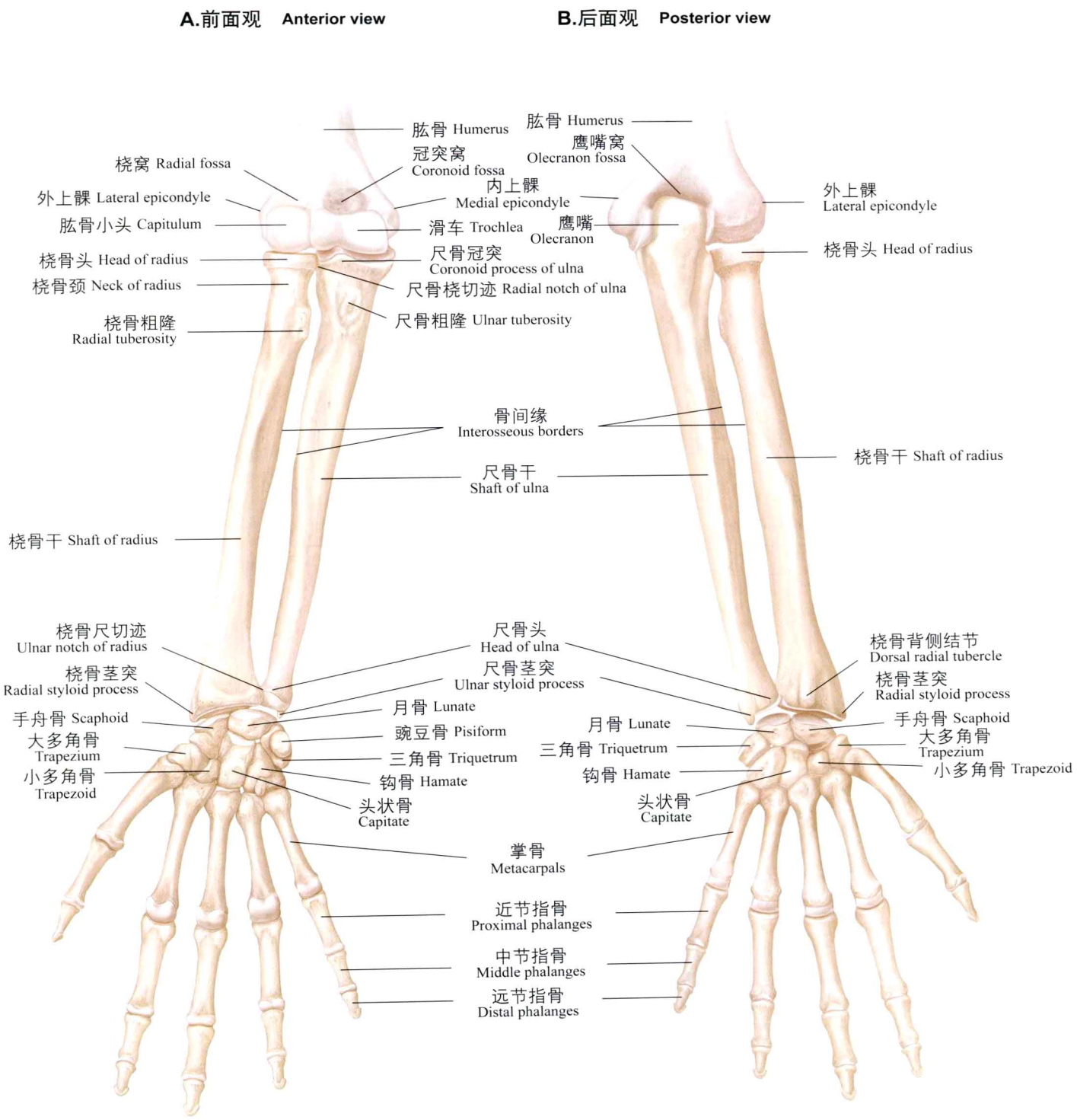

A.前面观 Anterior view
B.后面观 Posterior view
可触及的骨性结构
Palpable bony structures
肩胛骨喙突 Coracoid process of scapula
肩锁关节 Acromioclavicular joint
锁骨上缘
Superior border of clavicle
颈静脉切迹
Jugular notch
肩胛骨的肩峰
Acromion of scapula
肱骨大结节
Greater tubercle of humerus
肱骨小结节
Lesser tubercle of humerus
肩胛冈 Scapula spine
肩胛骨内侧缘(脊柱缘)
Medial (vertebral) border of scapula
肩胛下角
Inferior angle of scapula
肱骨外上髁
Lateral epicondyle of humerus
肱骨内上髁
Medial epicondyle of humerus
桡骨远端外侧缘
Distal lateral border of radius
桡骨茎突
Radial styloid process
舟骨小结节
Tubercle of scaphoid
大多角骨结节
Tubercle of trapezium
豌豆骨 Pisiform
钩状骨 Hook of hamate
掌骨头 Heads of metacarpals
指骨底、体、头
Bases,shafts,and hesds of phalanges
尺骨头
Head of ulna
尺骨茎突
Ulnar styloid process
肩胛骨肩峰
Acromion of scapula
肱骨大结节
Greater tubercle of humerus
鹰嘴 Olecranon
肱骨外上髁
Lateral epicondyle of humerus
桡骨头 Head of radius
尺骨后缘
Posterior border of ulna
桡骨远端外侧缘
Distal lateral border of radius
背侧桡骨结节
Dorsal radial tubercle
茎突 Styloid process
头状骨 Capitate
掌指骨的后面
Posterior aspects of metacarpals and phalanges

A.前面观 Anterior view

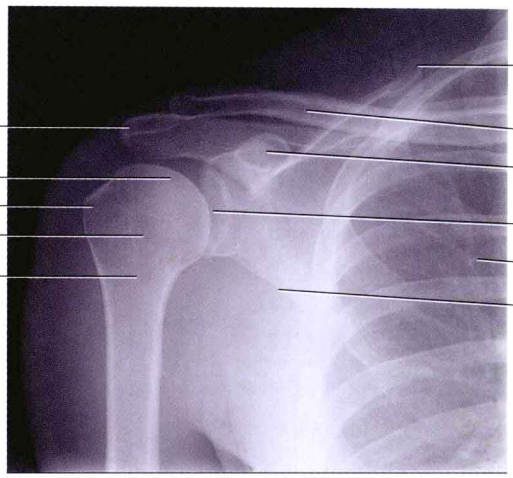
B.后面观 Posterior view



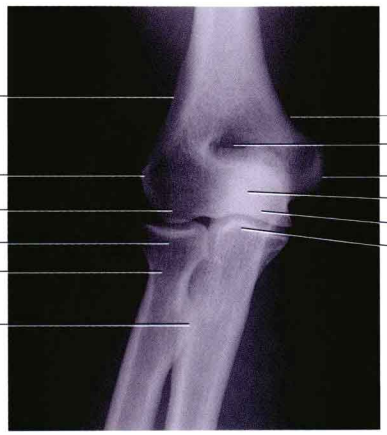

A.前面观 Anterior view
喙突 Coracoid process
肩峰 Acromion
关节盂 Glenoid cavity
肩胛切迹 Scapular notch
锁骨 Clavicle
胸骨柄 Manubrium
肱骨头 Head of humerus
解剖颈 Anatomical neck
大结节 Greater tubercle
小结节 Lesser tubercle
外科颈 Surgical neck
大结节嵴 Crest of greater tubercle
结节间沟 Intertubercular sulcus
小结节嵴 Crest of lesser tubercle
三角肌粗隆 Deltoid tuberosity
颈 Neck
肩胛下窝 Subscapular fossa
内侧缘 Medial border
肩胛骨 Scapula
盂下结节 Infraglenoid tubercle
外侧缘 Lateral border
下角 Inferior angle
肱骨干 Shaft of humerus
桡窝 Radial fossa
外侧髁上嵴 Lateral supracondylar ridge
外上髁 Lateral epicondyle
小头 Capitulum
桡骨 Radius
冠突窝 Coronoid fossa
内侧髁上嵴 Medial supracondylar ridge
内上髁 Medial epicondyle
滑车 Trochlea
尺骨 Ulna
B.后面观 Posterior view
肩胛切迹 Scapular notch
喙突 Coracoid process
锁骨 Clavicle
肩峰 Acromion
上缘 Superior border
上角 Superior angle
肱骨头 Head of humerus
大结节 Greater tubercle
冈上窝 Supraspinous fossa
解剖颈 Anatomical neck
外科颈 Surgical neck
肩胛冈 Spine
冈下窝 Infraspinous fossa
颈 Neck
内侧缘 Medial border
盂下结节 Infraglenoid tubercle
肱骨干 Shaft of humerus
三角肌粗隆 Deltoid tuberosity
外侧缘 Lateral border
下角 Inferior angle
肩胛骨 Scapula
桡神经沟 Radial groove
外侧髁上嵴 Lateral supracondylar ridge
鹰嘴窝 Olecranon fossa
内侧髁上嵴 Medial supracondylar ridge
外上髁 Lateral epicondyle
内上髁 Medial epicondyle
尺骨 Ulna
桡骨 Radius


A.前面观 Anterior view
B.后面观 Posterior view
肱骨 Humerus
桡窝 Radial fossa
冠突窝 Coronoid fossa
外上髁 Lateral epicondyle
内上髁 Medial epicondyle
肱骨小头 Capitulum
滑车 Trochlea
桡骨头 Head of radius
尺骨冠突 Coronoid process of ulna
桡骨颈 Neck of radius
尺骨桡切迹 Radial notch of ulna
桡骨粗隆 Radial tuberosity
尺骨粗隆 Ulnar tuberosity
骨间缘 Interosseous borders
尺骨干 Shaft of ulna
桡骨干 Shaft of radius
桡骨尺切迹 Ulnar notch of radius
桡骨茎突 Radial styloid process
手舟骨 Scaphoid
大多角骨 Trapezium
小多角骨 Trapezoid
尺骨头 Head of ulna
尺骨茎突 Ulnar styloid process
月骨 Lunate
豌豆骨 Pisiform
三角骨 Triquetrum
钩骨 Hamate
头状骨 Capitate
掌骨 Metacarpals
近节指骨 Proximal phalanges
中节指骨 Middle phalanges
远节指骨 Distal phalanges
鹰嘴窝 Olecranon fossa
鹰嘴 Olecranon
桡骨背侧结节 Dorsal radial tubercle
小多角骨 Trapezoid

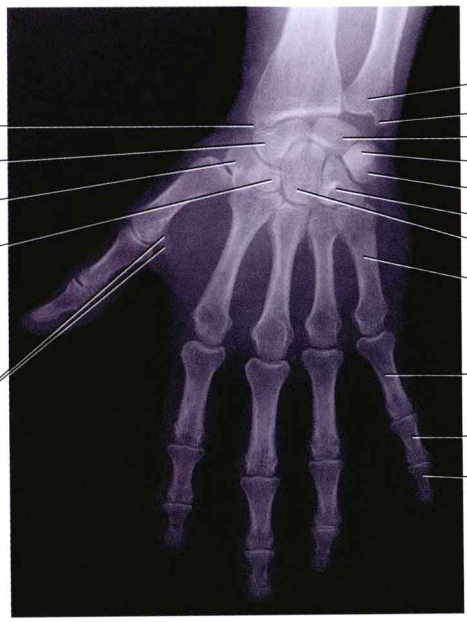
A.右肩，前面观 Right shoulder, anterior view



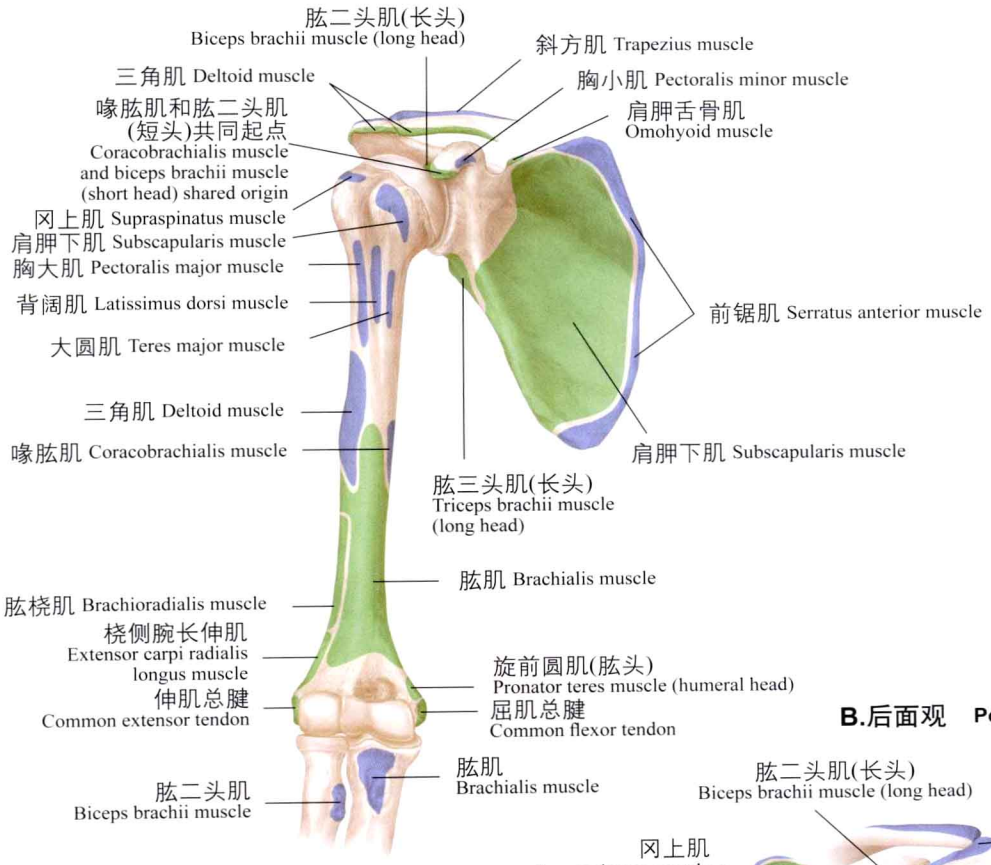
B.右肘 前面观
Right elbow, anterior view



C.右腕和手，前面观
Right wrist and hand, anterior view

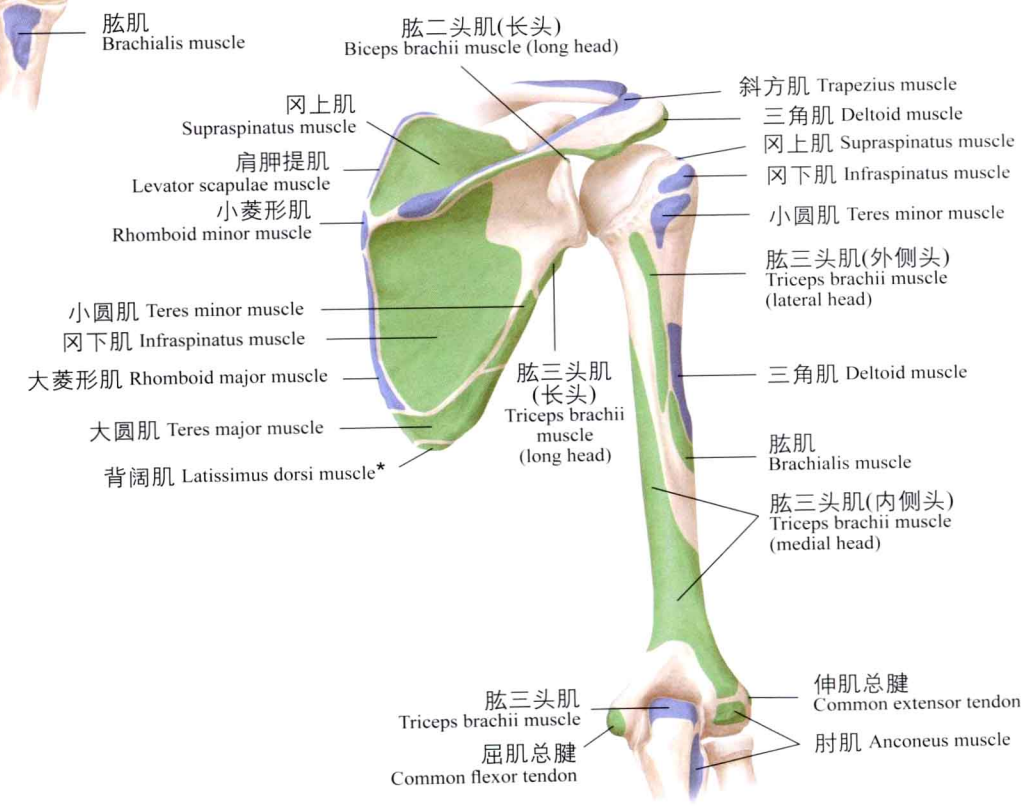


A.前面观 Anterior view

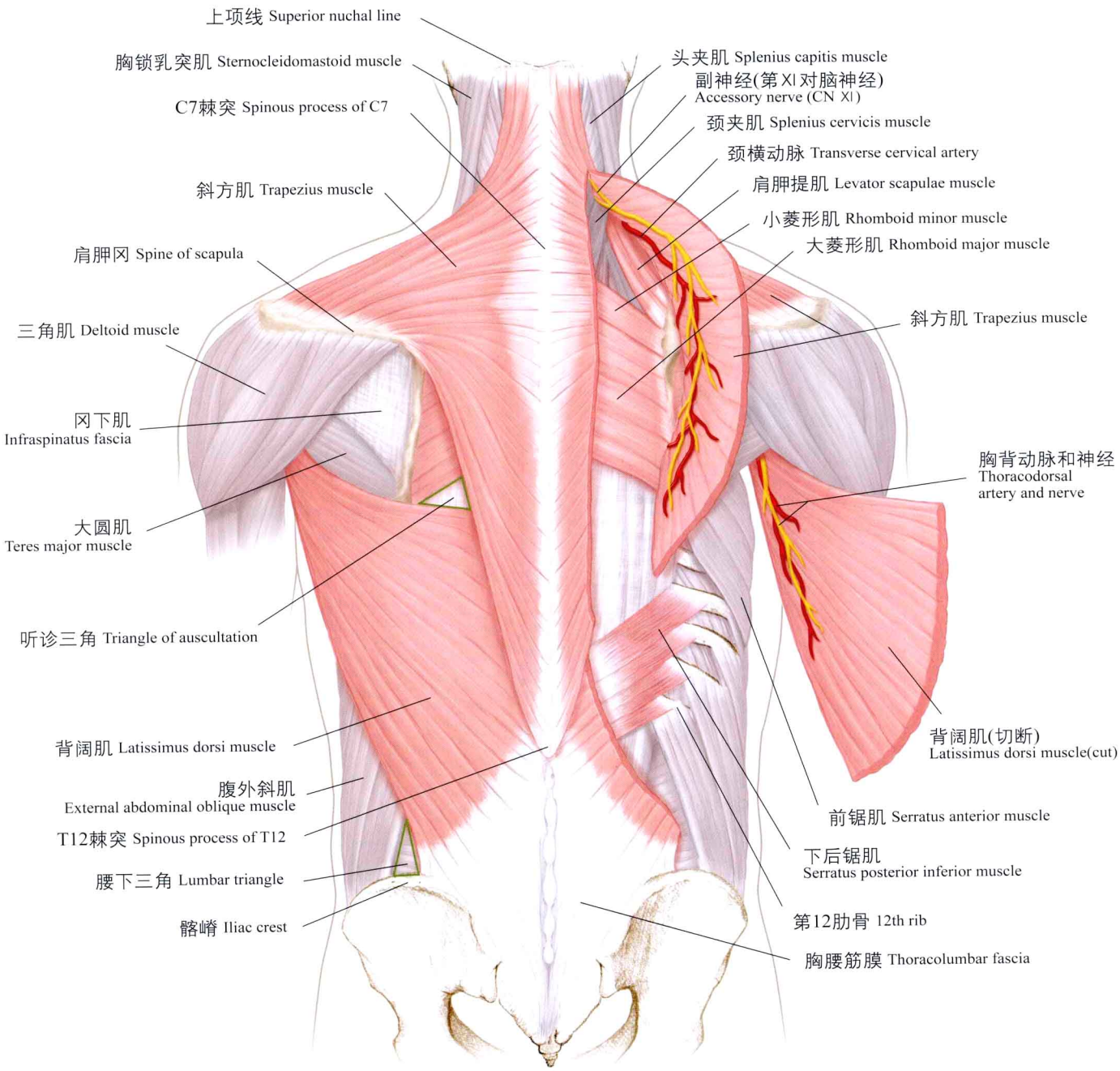


肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions

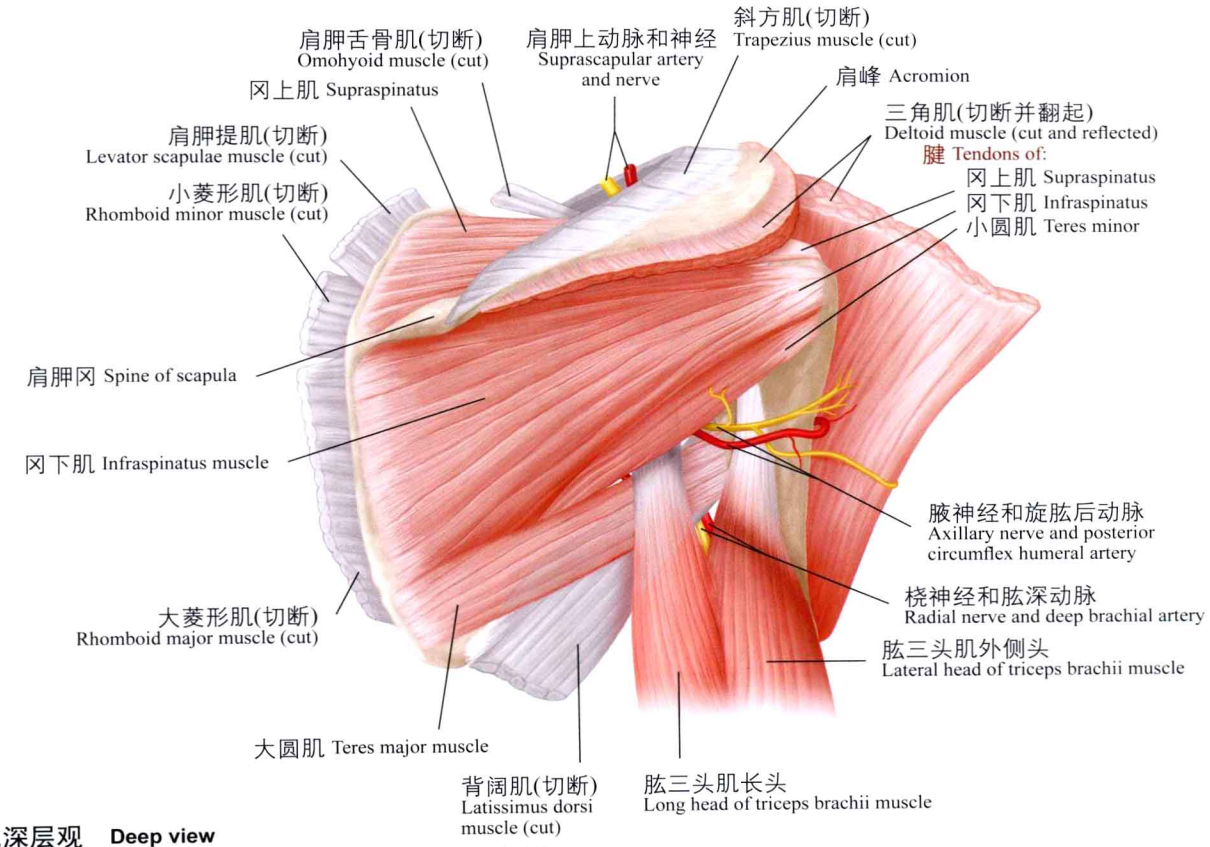
B.后面观 Posterior view



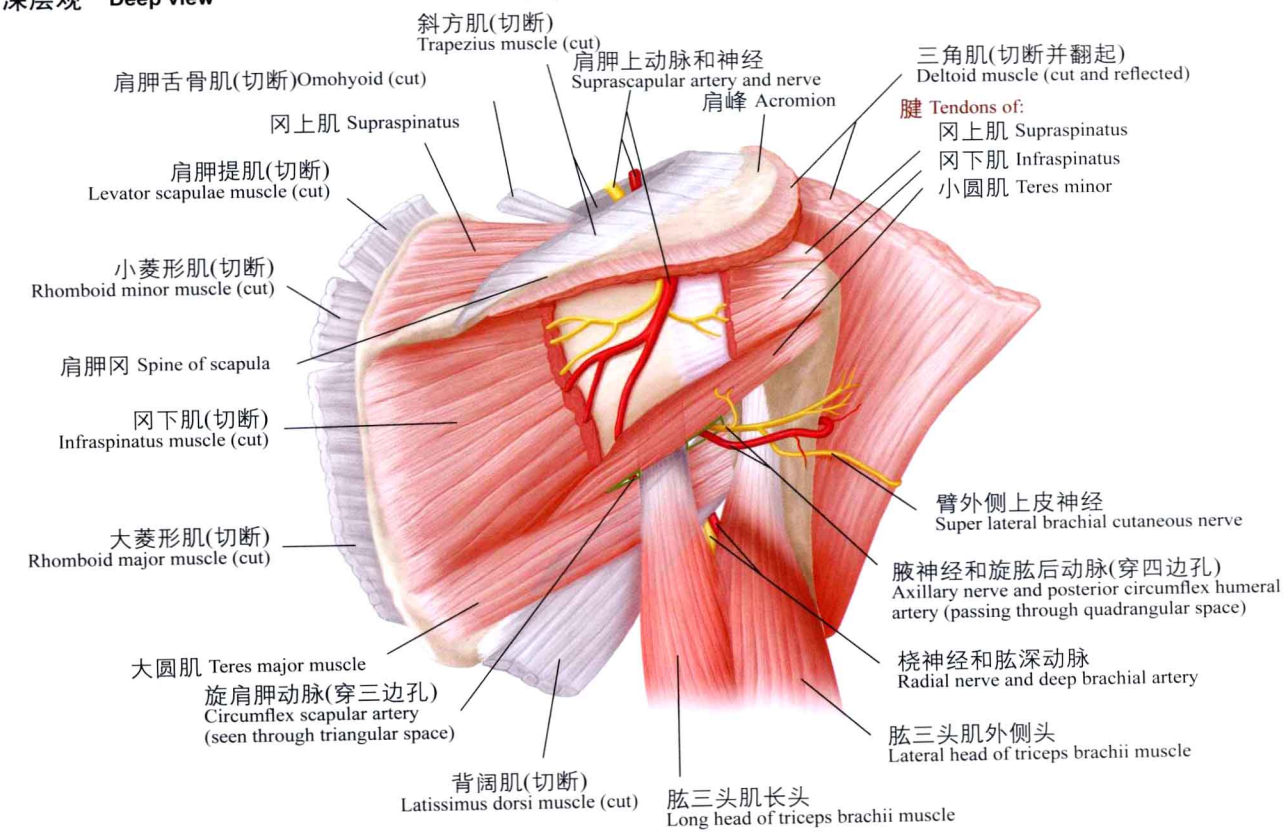
*53%人群有小束起于此 Small slip of origin in 53% of cases


上项线 Superior nuchal line
胸锁乳突肌 Sternocleidomastoid muscle
C7棘突 Spinous process of C7
斜方肌 Trapezius muscle
肩胛冈 Spine of scapula
三角肌 Deltoid muscle
冈下肌
Infraspinatus fascia
大圆肌
Teres major muscle
听诊三角 Triangle of auscultation
背阔肌 Latissimus dorsi muscle
腹外斜肌
External abdominal oblique muscle
T12棘突 Spinous process of T12
腰下三角 Lumbar triangle
髂嵴 Iliac crest
头夹肌 Splenius capitis muscle
副神经(第XI对脑神经)
Accessory nerve (CN XI)
颈夹肌 Splenius cervicis muscle
颈横动脉 Transverse cervical artery
肩胛提肌 Levator scapulae muscle
小菱形肌 Rhomboid minor muscle
大菱形肌 Rhomboid major muscle
斜方肌 Trapezius muscle
胸背动脉和神经
Thoracodorsal
artery and nerve
背阔肌(切断)
Latissimus dorsi muscle(cut)
前锯肌 Serratus anterior muscle
下后锯肌
Serratus posterior inferior muscle
第12肋骨 12th rib
胸腰筋膜 Thoracolumbar fascia

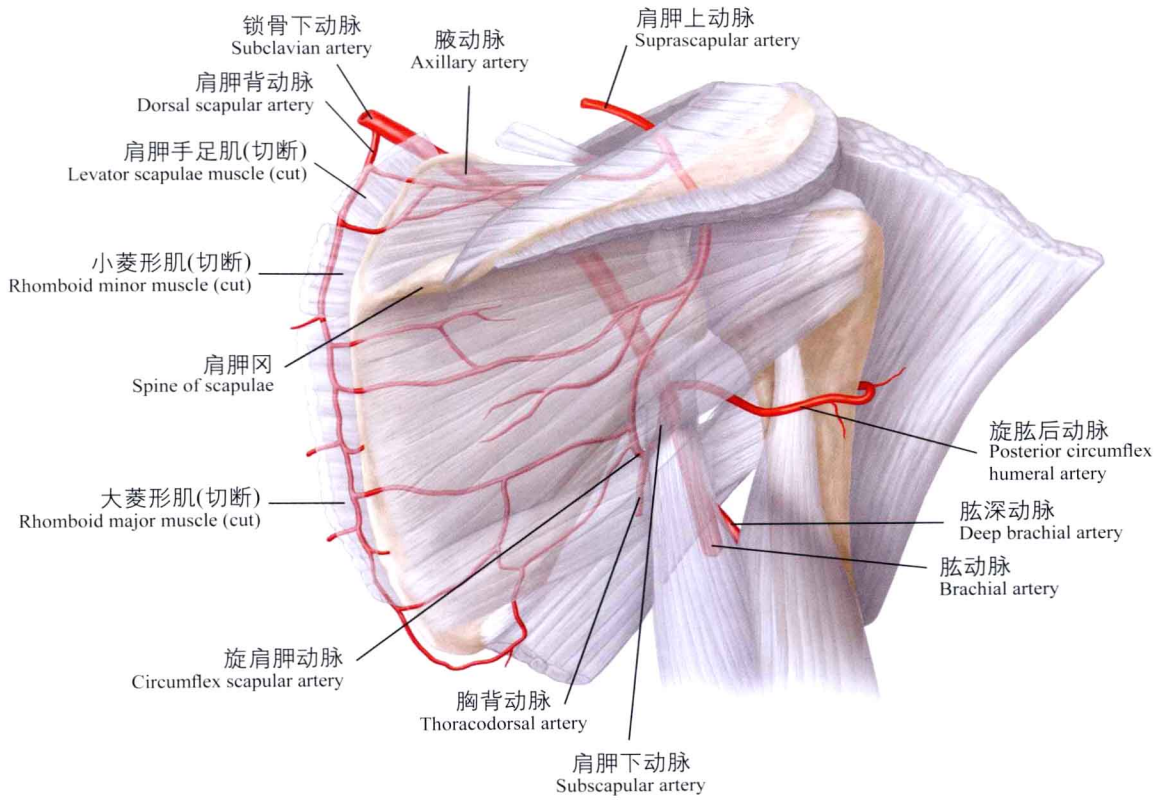
A.浅层观 Superficial view



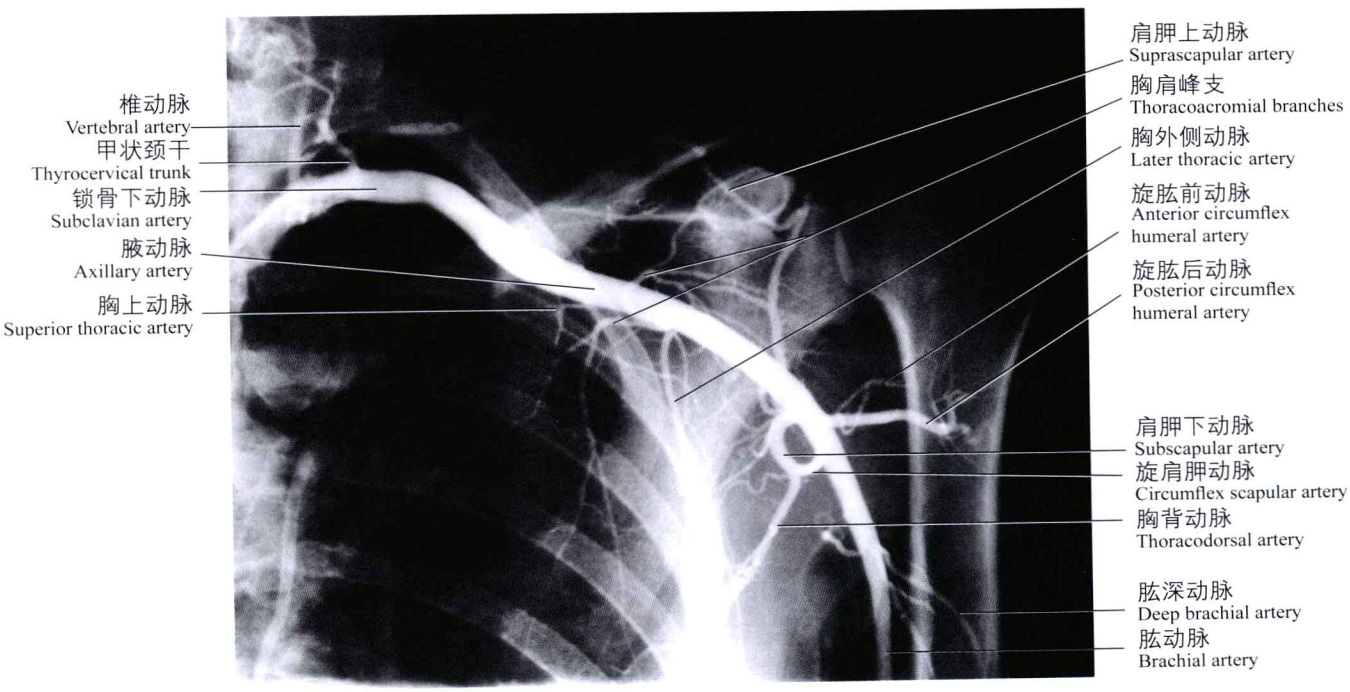
B.深层观 Deep view



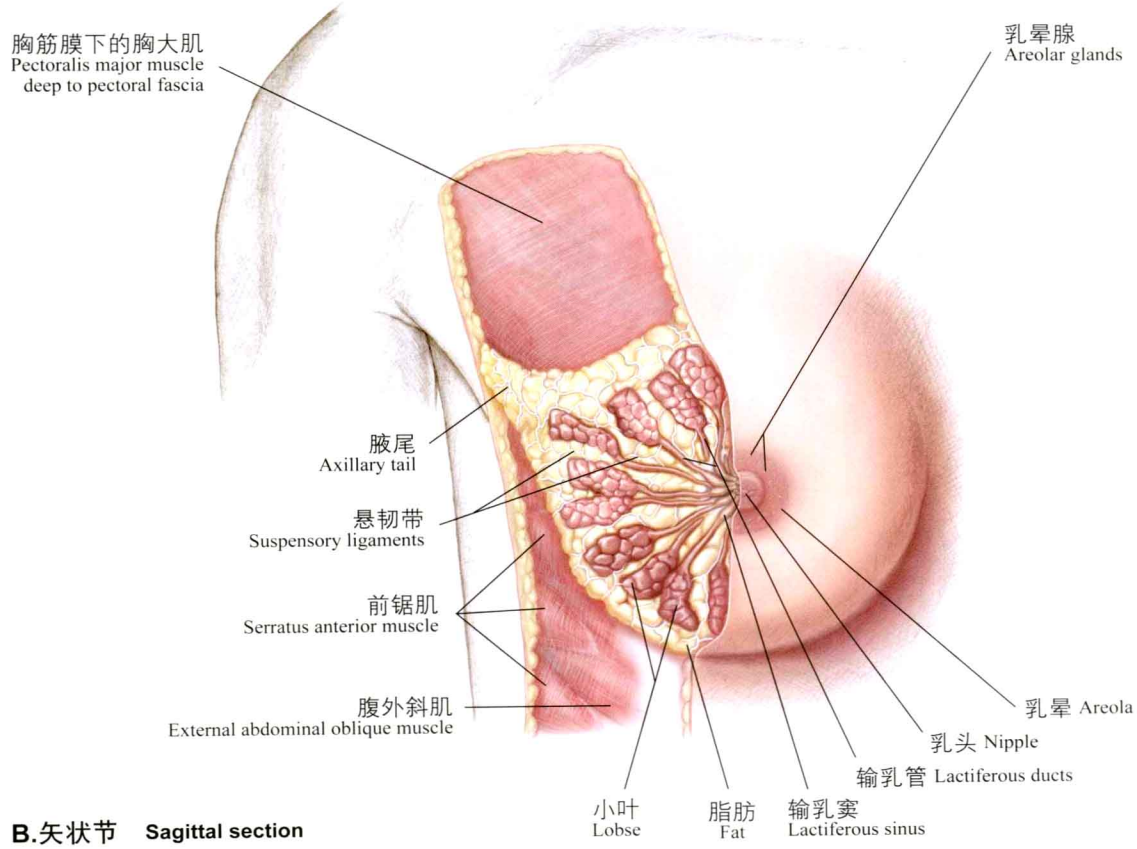
A.动脉 Arteries



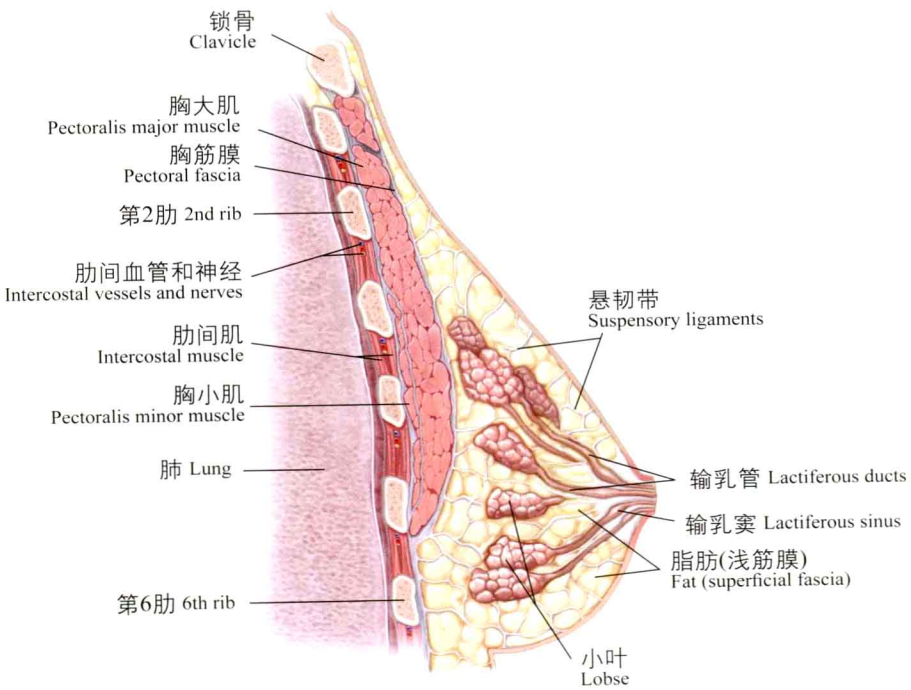
B.造影 Angiogram



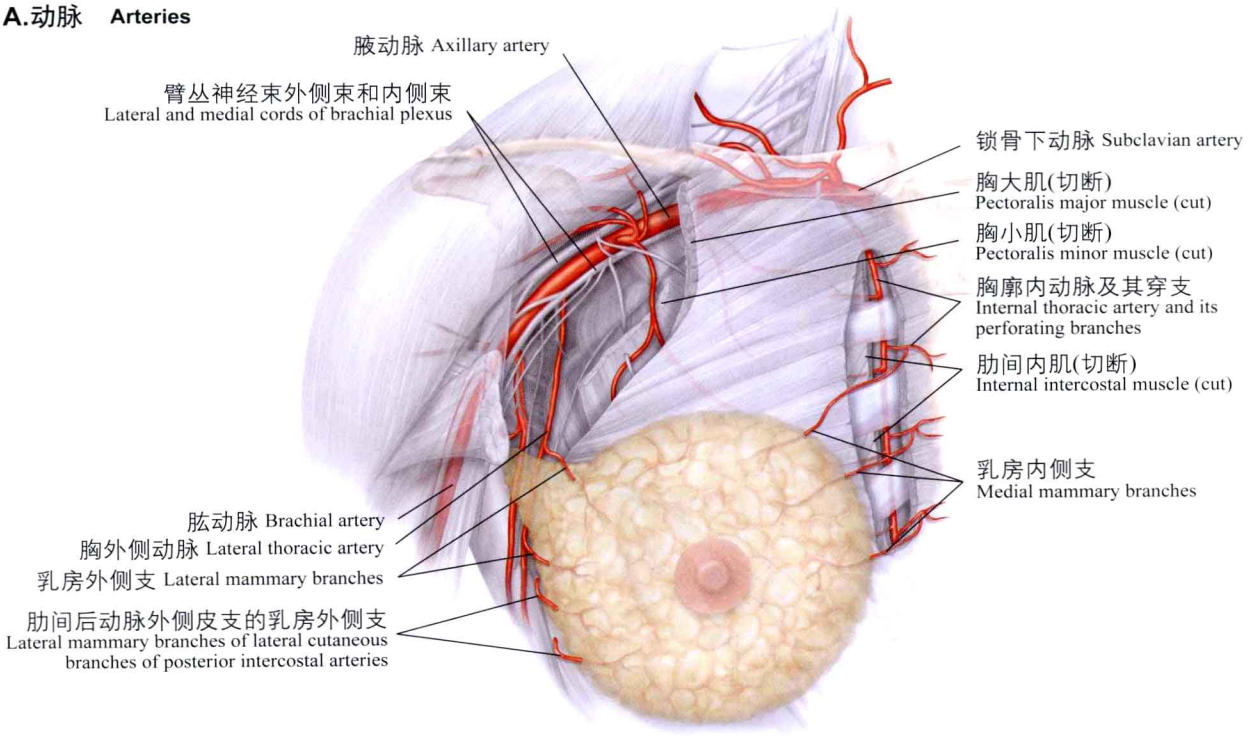
A.前面观 Anterior view



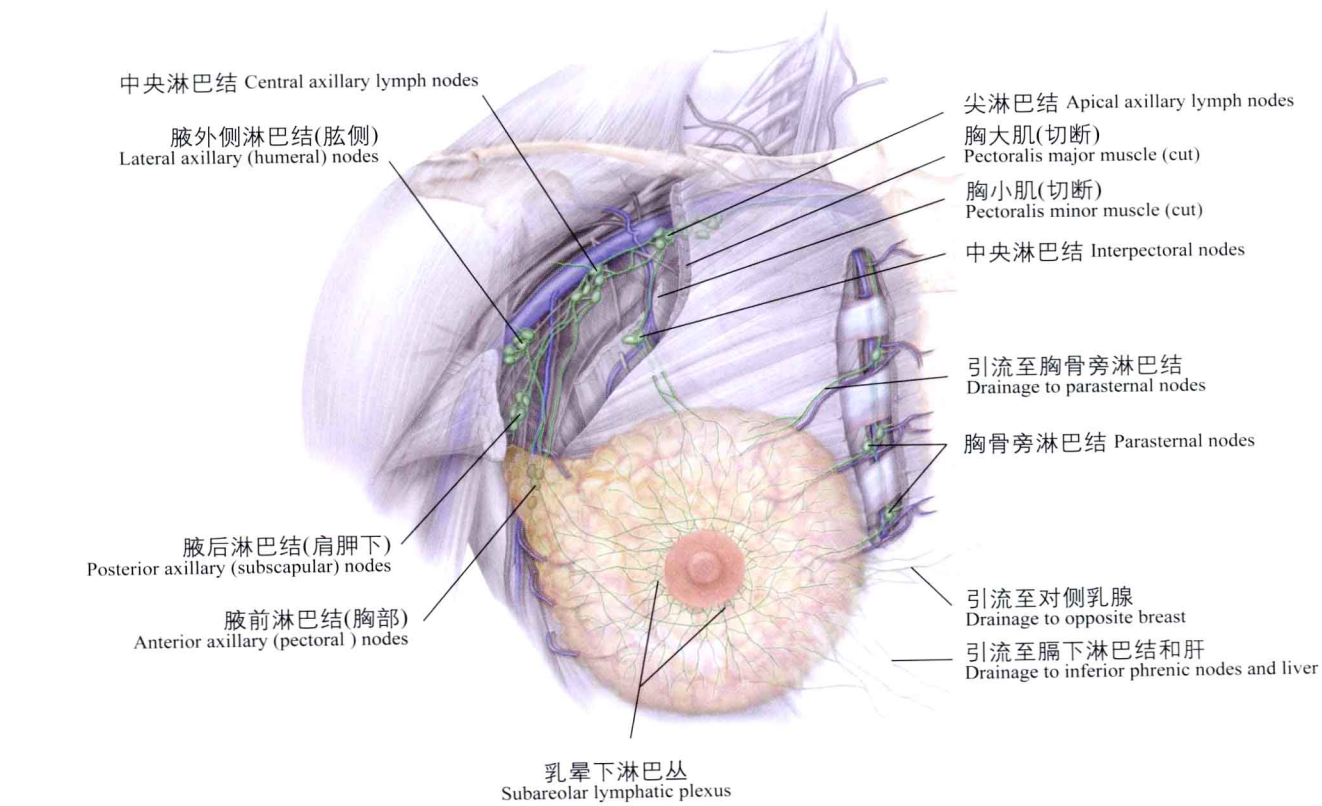
B.矢状节 Sagittal section



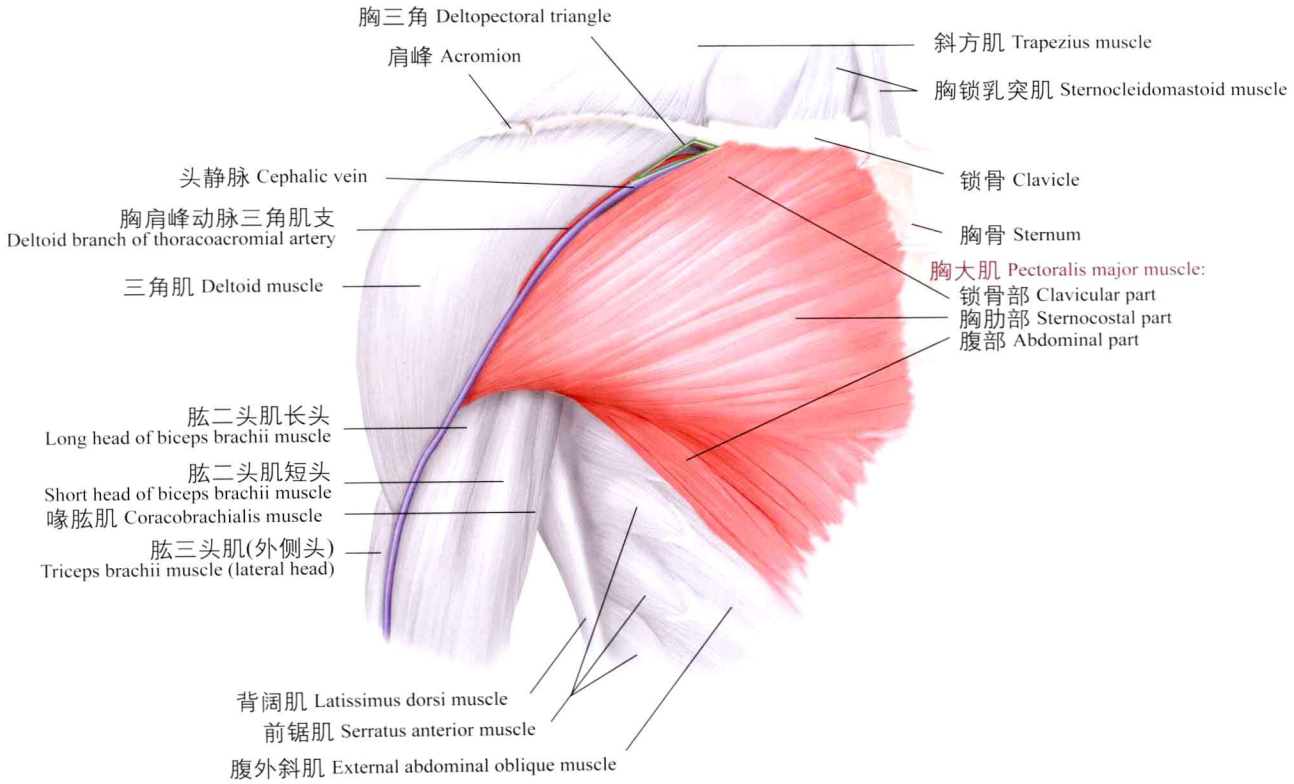
A.动脉 Arteries



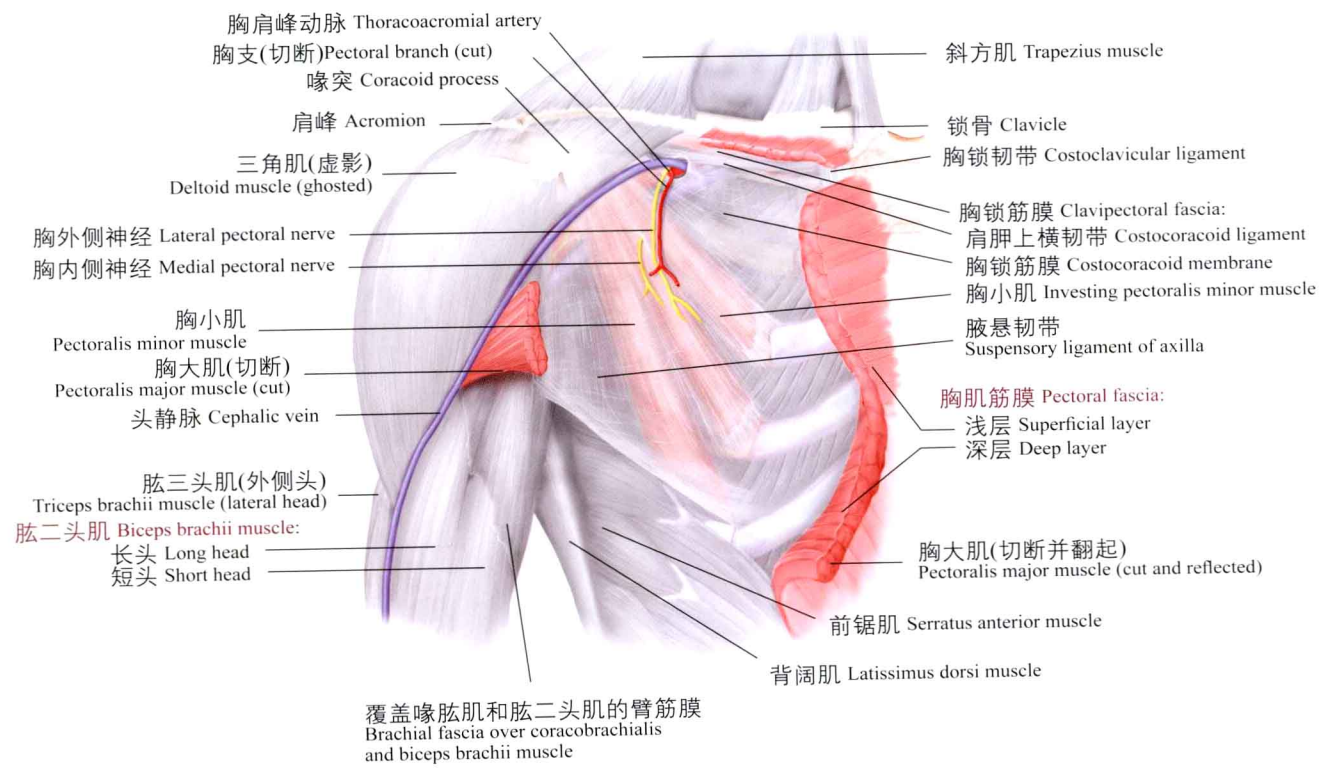
B.淋巴回流 Lymphatic drainage

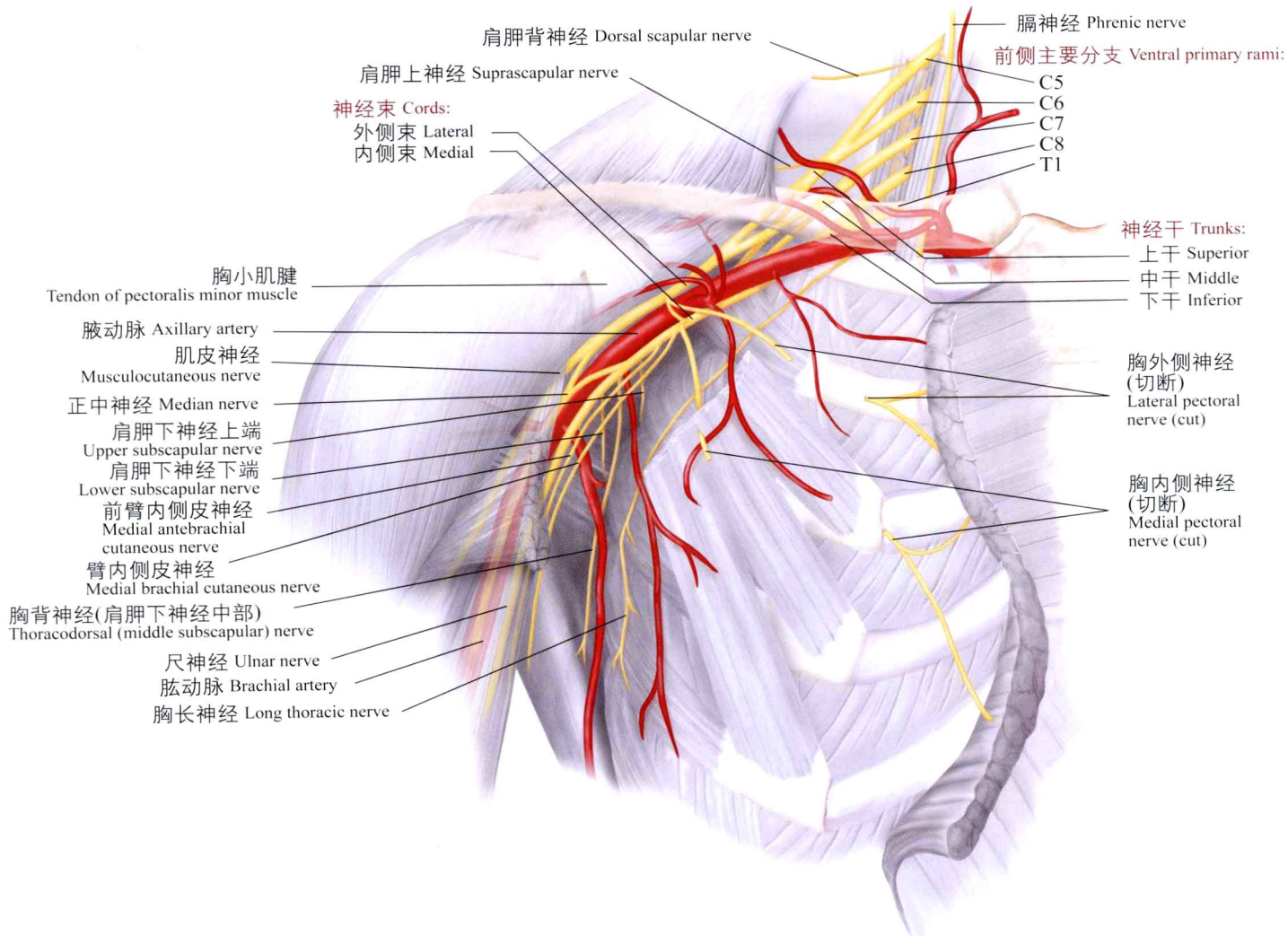


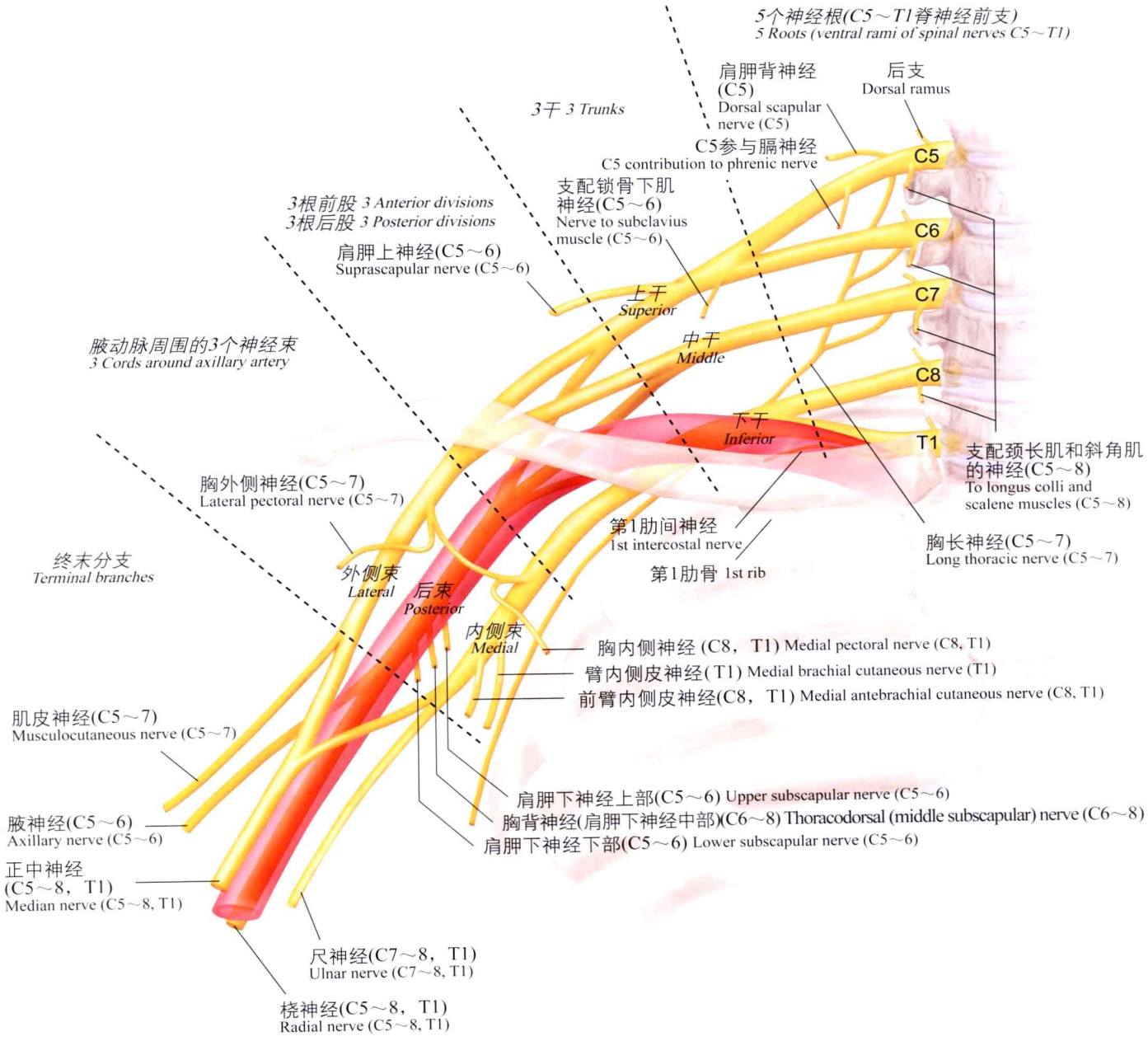
A.浅层解剖 Superficial dissection



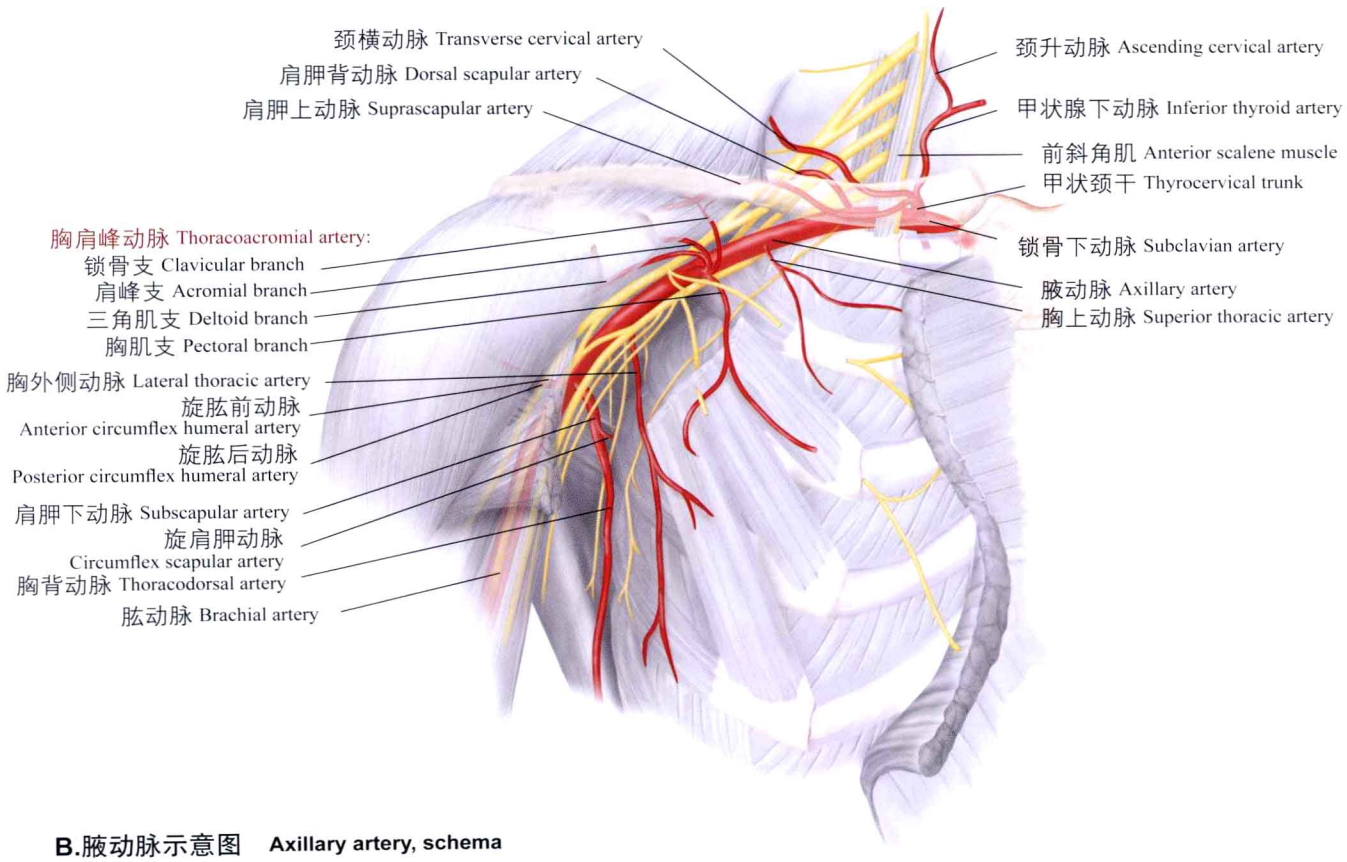
B.深层解剖 Deep dissection



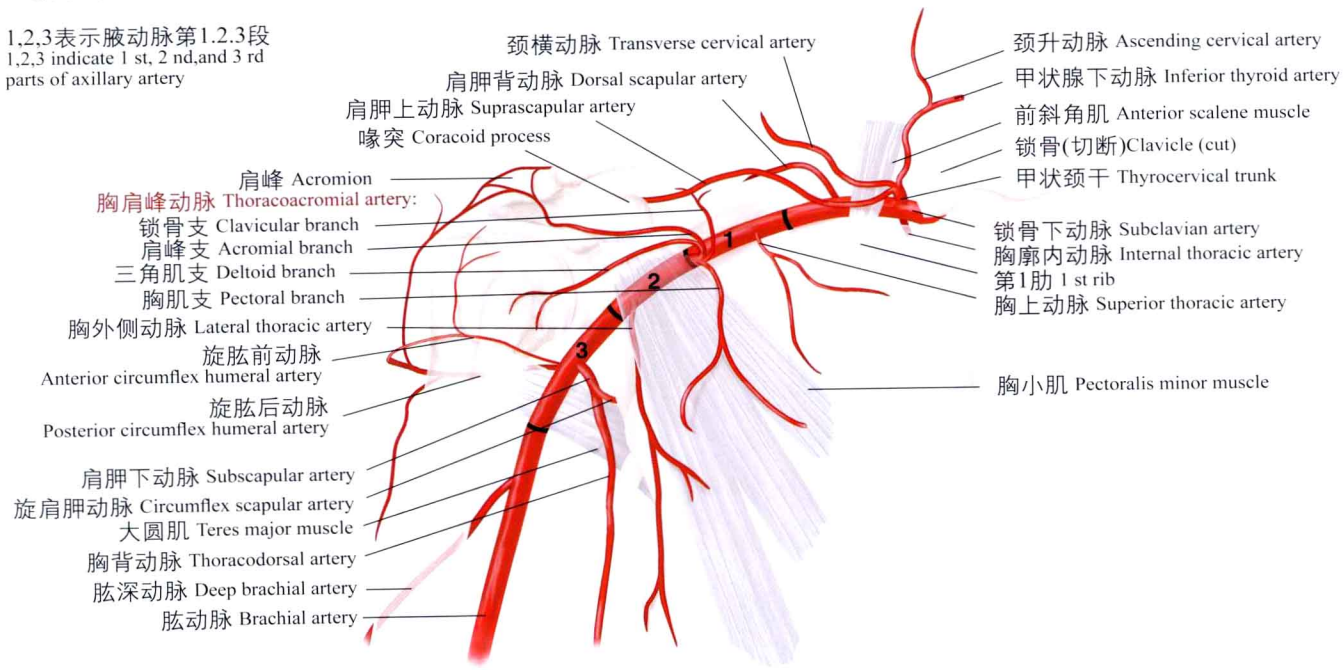

肩胛背神经 Dorsal scapular nerve
肩胛上神经 Suprascapular nerve
神经束 Cords:
外侧束 Lateral
内侧束 Medial
膈神经 Phrenic nerve
前侧主要分支 Ventral primary rami:
C5
C6
C7
C8
T1
神经干 Trunks:
上干 Superior
中干 Middle
下干 Inferior
胸小肌腱
Tendon of pectoralis minor muscle
腋动脉 Axillary artery
肌皮神经
Musculocutaneous nerve
正中神经 Median nerve
肩胛下神经上端
Upper subscapular nerve
肩胛下神经下端
Lower subscapular nerve
前臂内侧皮神经
Medial antebrachial cutaneous nerve
臂内侧皮神经
Medial brachial cutaneous nerve
胸背神经(肩胛下神经中部)
Thoracodorsal (middle subscapular) nerve
尺神经 Ulnar nerve
肱动脉 Brachial artery
胸长神经 Long thoracic nerve
胸外侧神经(切断)
Lateral pectoral nerve (cut)
胸内侧神经(切断)
Medial pectoral nerve (cut)


5个神经根(C5～T1脊神经前支)
5 Roots (ventral rami of spinal nerves C5～T1)
肩胛背神经(C5)
Dorsal scapular nerve (C5)
后支
Dorsal ramus
3干 3 Trunks
C5参与膈神经
C5 contribution to phrenic nerve
C5
支配锁骨下肌神经(C5～6)
Nerve to subclavius muscle (C5～6)
3根前股 3 Anterior divisions
3根后股 3 Posterior divisions
C6
肩胛上神经(C5～6)
Suprascapular nerve (C5～6)
C7
上干
Superior
腋动脉周围的3个神经束
3 Cords around axillary artery
中干
Middle
C8
下干
Inferior
T1
支配颈长肌和斜角肌的神经(C5～8)
To longus colli and scalene muscles (C5～8)
胸外侧神经(C5～7)
Lateral pectoral nerve (C5～7)
第1肋间神经
1st intercostal nerve
胸长神经(C5～7)
Long thoracic nerve (C5～7)
终末分支
Terminal branches
外侧束
Lateral
后束
Posterior
第1肋骨 1st rib
内侧束
Medial
胸内侧神经 (C8，T1) Medial pectoral nerve (C8, T1)
臂内侧皮神经(T1) Medial brachial cutaneous nerve (T1)
前臂内侧皮神经(C8，T1) Medial antebrachial cutaneous nerve (C8, T1)
肌皮神经(C5～7)
Musculocutaneous nerve (C5～7)
肩胛下神经上部(C5～6) Upper subscapular nerve (C5～6)
胸背神经(肩胛下神经中部)(C6～8) Thoracodorsal (middle subscapular) nerve (C6～8)
肩胛下神经下部(C5～6) Lower subscapular nerve (C5～6)
腋神经(C5～6)
Axillary nerve (C5～6)
正中神经(C5～8，T1)
Median nerve (C5～8, T1)
尺神经(C7～8，T1)
Ulnar nerve (C7～8, T1)
桡神经(C5～8，T1)
Radial nerve (C5～8, T1)

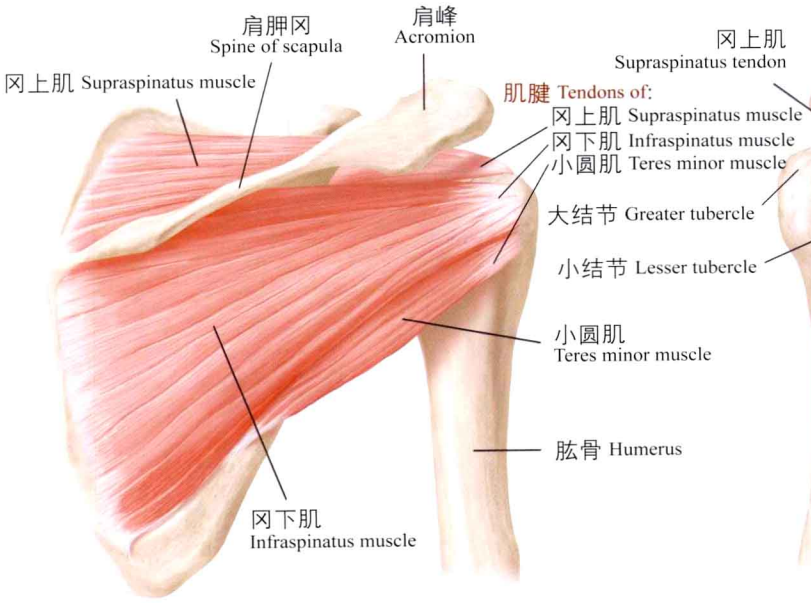
A.腋动脉，解剖 Axillary artery, dissection



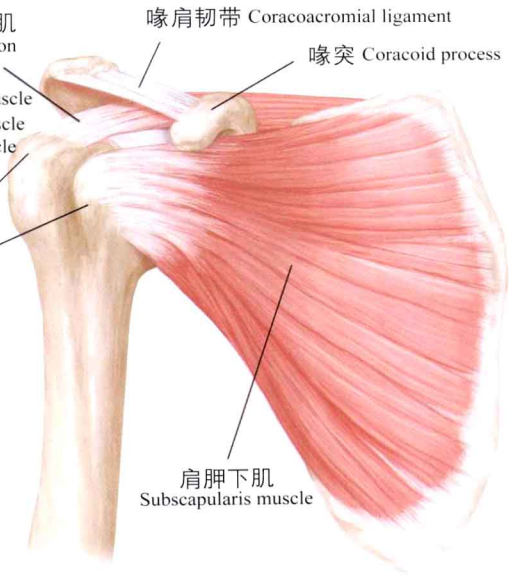
B.腋动脉示意图 Axillary artery, schema



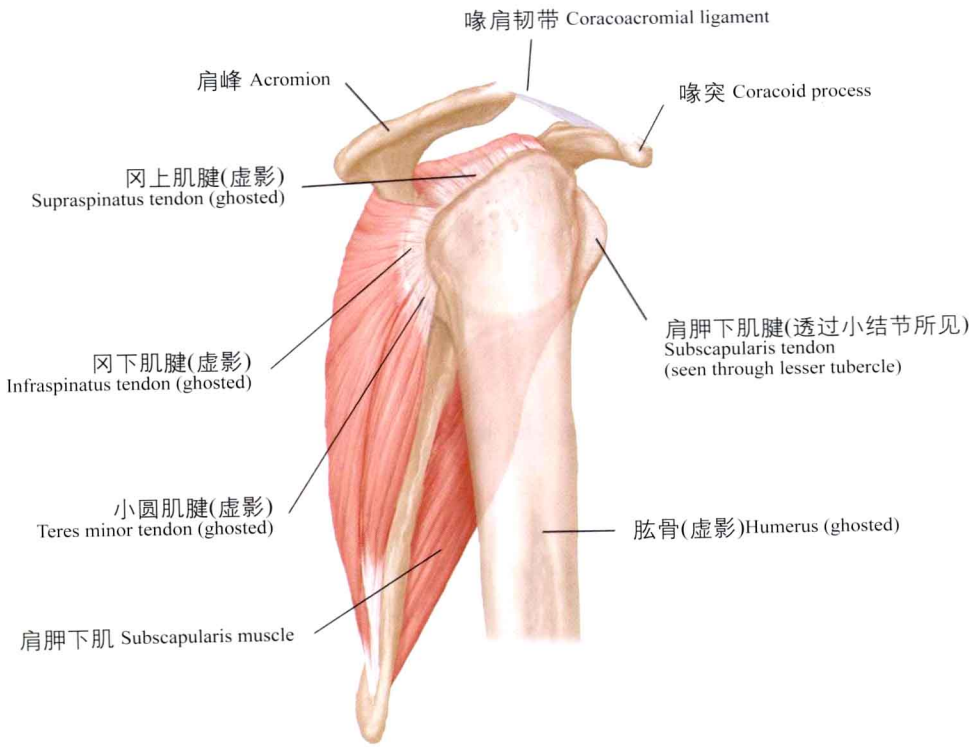
A.后面观 Posterior view

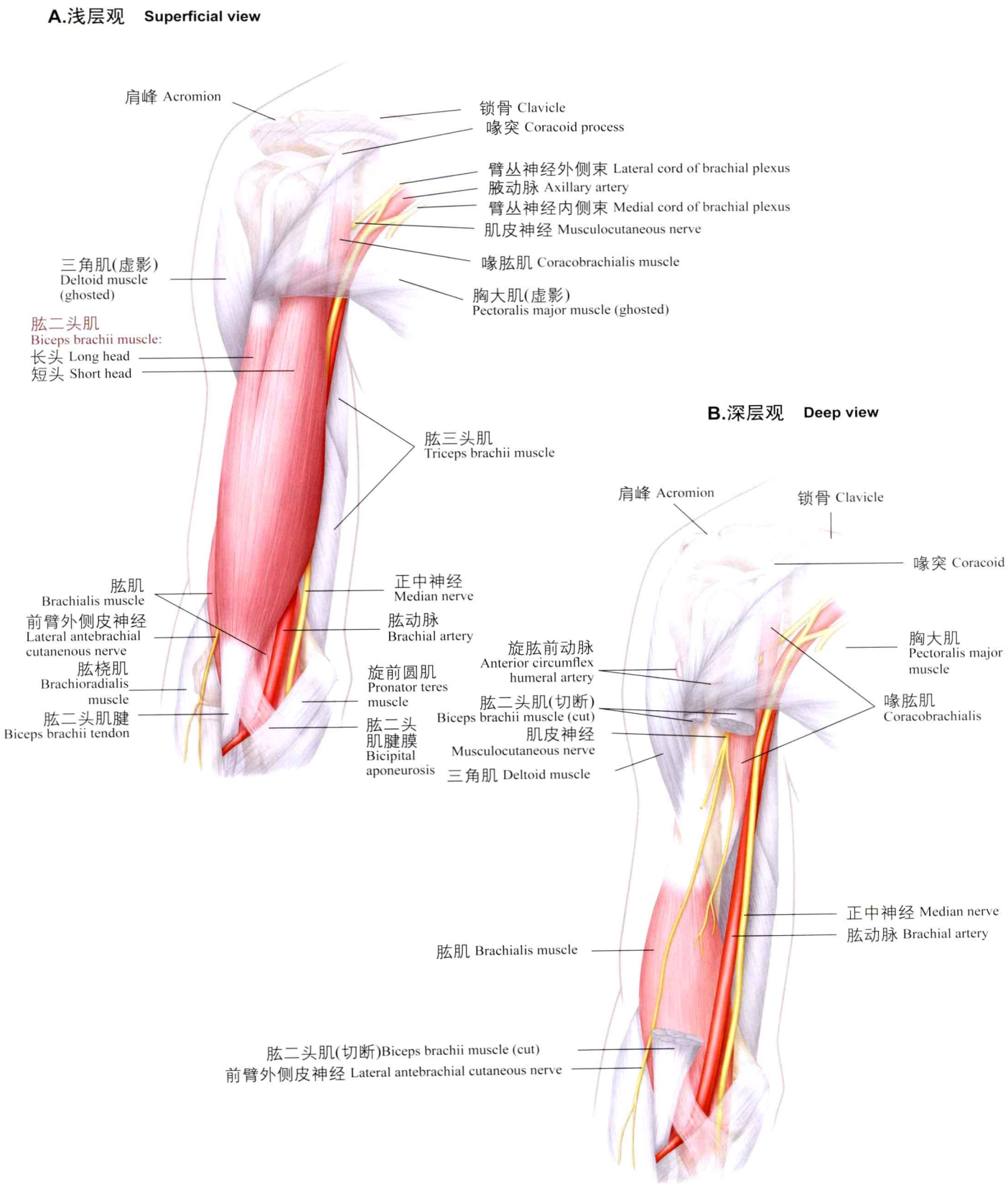


B.前面观 Anterior view

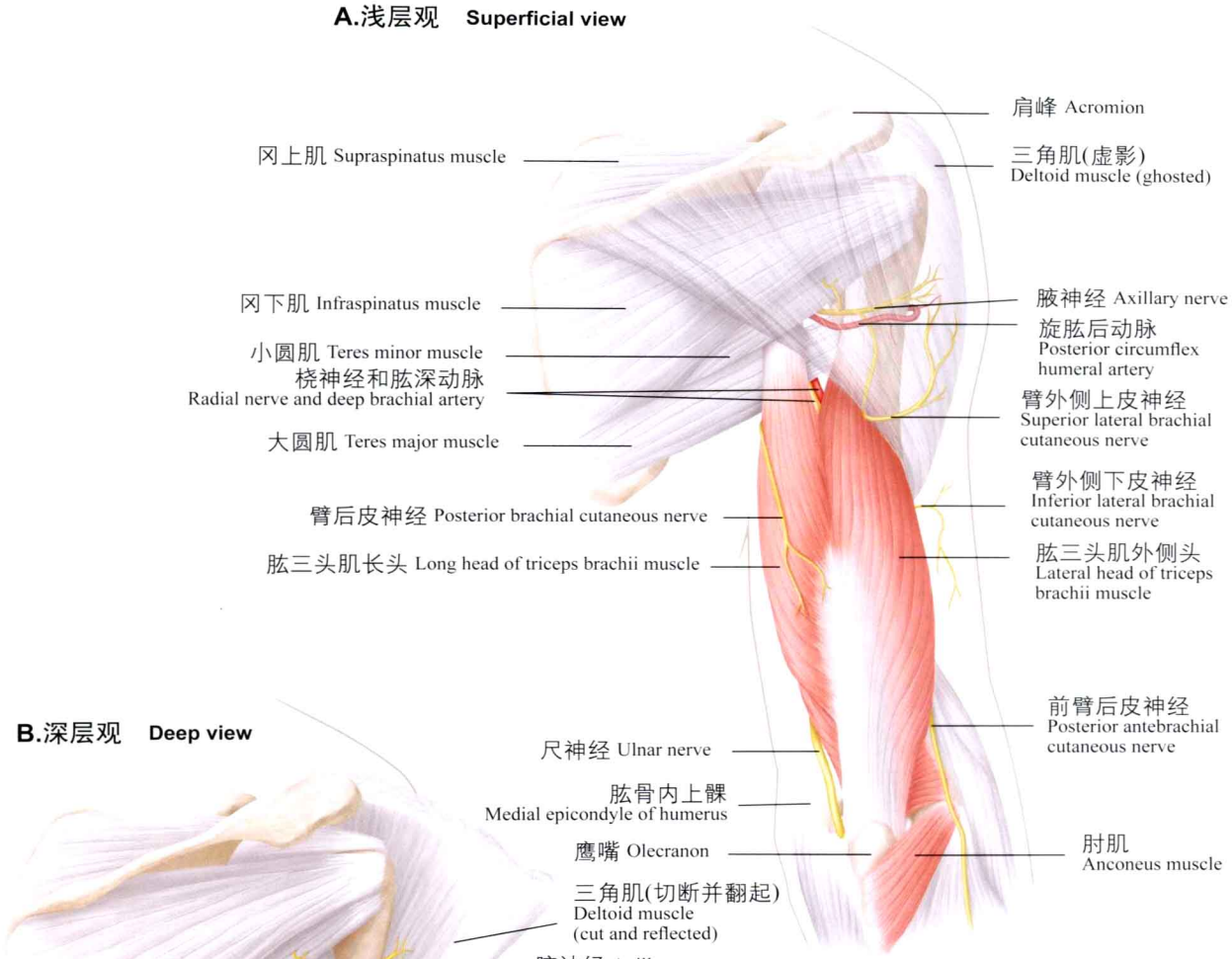


C.上外侧观 Superolateral view

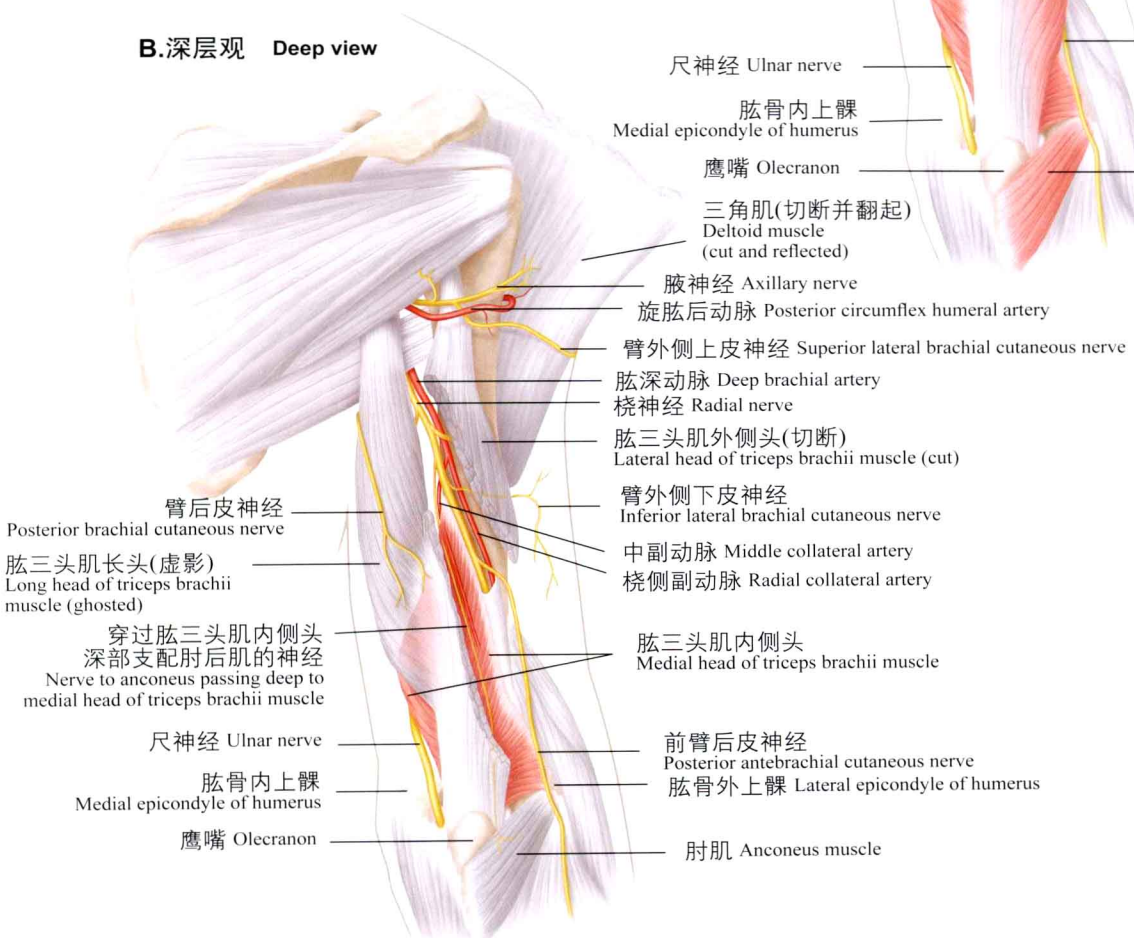


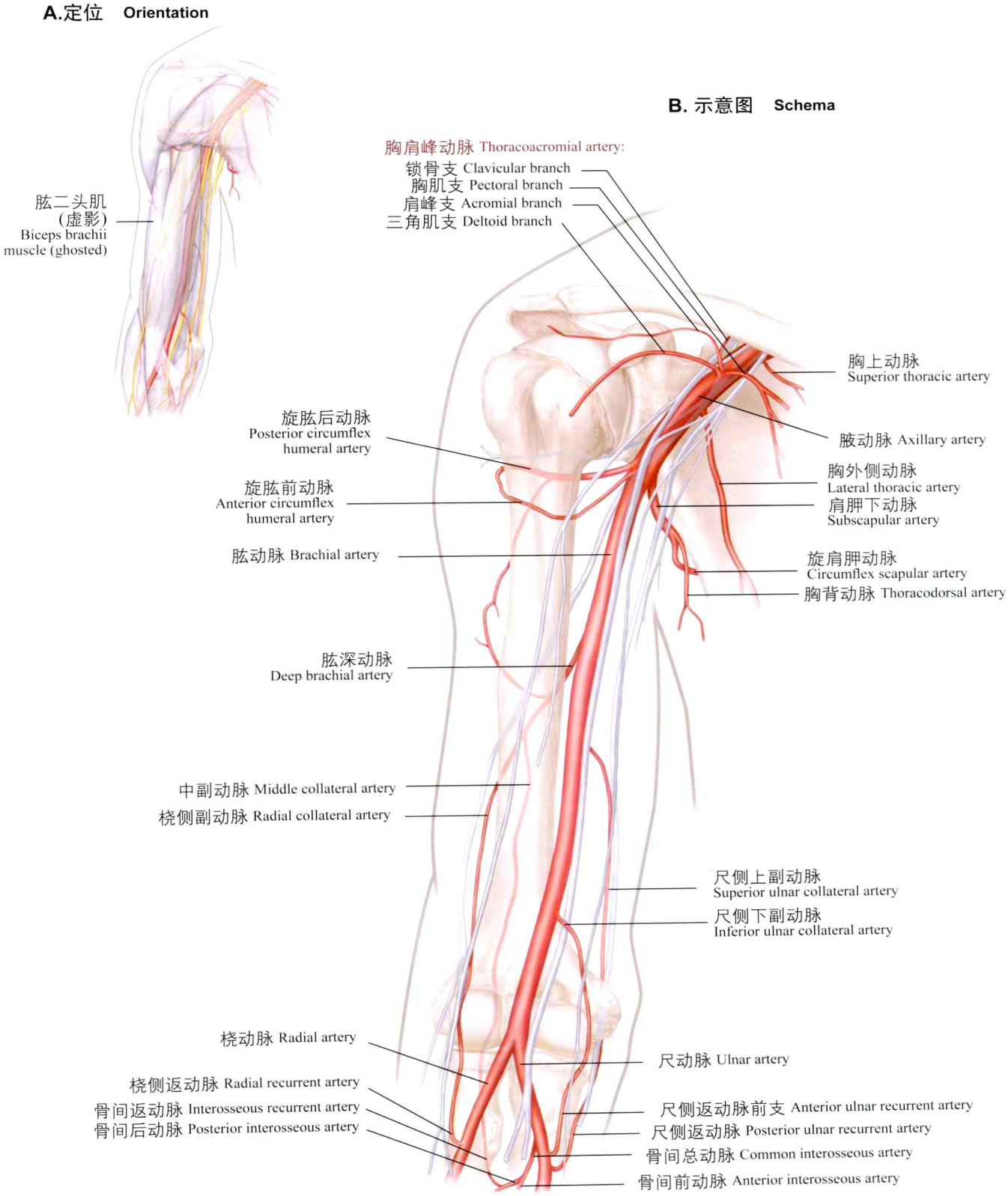

A.浅层观 Superficial view
肩峰 Acromion
锁骨 Clavicle
喙突 Coracoid process
臂丛神经外侧束 Lateral cord of brachial plexus
腋动脉 Axillary artery
臂丛神经内侧束 Medial cord of brachial plexus
肌皮神经 Musculocutaneous nerve
喙肱肌 Coracobrachialis muscle
三角肌(虚影)
Deltoid muscle
(ghosted)
胸大肌(虚影)
Pectoralis major muscle (ghosted)
肱二头肌
Biceps brachii muscle:
长头 Long head
短头 Short head
肱三头肌
Triceps brachii muscle
肱肌
Brachialis muscle
前臂外侧皮神经
Lateral antebrachial
cutaneous nerve
肱桡肌
Brachioradialis
muscle
肱二头肌腱
Biceps brachii tendon
正中神经
Median nerve
肱动脉
Brachial artery
旋前圆肌
Pronator teres
muscle
肱二头
肌腱膜
Bicipital
aponeurosis
B.深层观 Deep view
肩峰 Acromion
锁骨 Clavicle
喙突 Coracoid
旋肱前动脉
Anterior circumflex
humeral artery
肱二头肌(切断)
Biceps brachii muscle (cut)
肌皮神经
Musculocutaneous nerve
三角肌 Deltoid muscle
胸大肌
Pectoralis major
muscle
喙肱肌
Coracobrachialis
正中神经 Median nerve
肱动脉 Brachial artery
肱肌 Brachialis muscle
肱二头肌(切断)Biceps brachii muscle (cut)
前臂外侧皮神经 Lateral antebrachial cutaneous nerve

A.浅层观 Superficial view



B.深层观 Deep view




A.定位 Orientation
肱二头肌（虚影）
Biceps brachii muscle (ghosted)
B. 示意图 Schema
胸肩峰动脉 Thoracoacromial artery:
锁骨支 Clavicular branch
胸肌支 Pectoral branch
肩峰支 Acromial branch
三角肌支 Deltoid branch
胸上动脉 Superior thoracic artery
腋动脉 Axillary artery
胸外侧动脉 Lateral thoracic artery
肩胛下动脉 Subscapular artery
旋肱后动脉 Posterior circumflex humeral artery
旋肱前动脉 Anterior circumflex humeral artery
肱动脉 Brachial artery
旋肩胛动脉 Circumflex scapular artery
胸背动脉 Thoracodorsal artery
肱深动脉 Deep brachial artery
中副动脉 Middle collateral artery
桡侧副动脉 Radial collateral artery
尺侧上副动脉 Superior ulnar collateral artery
尺侧下副动脉 Inferior ulnar collateral artery
桡动脉 Radial artery
尺动脉 Ulnar artery
桡侧返动脉 Radial recurrent artery
骨间返动脉 Interosseous recurrent artery
骨间后动脉 Posterior interosseous artery
尺侧返动脉前支 Anterior ulnar recurrent artery
尺侧返动脉 Posterior ulnar recurrent artery
骨间总动脉 Common interosseous artery
骨间前动脉 Anterior interosseous artery

A.定位 Orientation



肱二头肌
(虚影)
biceps brachii
muscle (ghosted)

B. 示意图 Schema

臂丛 Brachial plexus:
外侧束 Lateral cord
后束 Posterior cord
内侧束 Medial cord

腋神经 Axillary nerve

肌皮神经 Musculocutaneous nerve

臂内侧皮神经
Medial brachial cutaneous nerve

前臂内侧皮神经
Medial antebrachial
cutaneous never

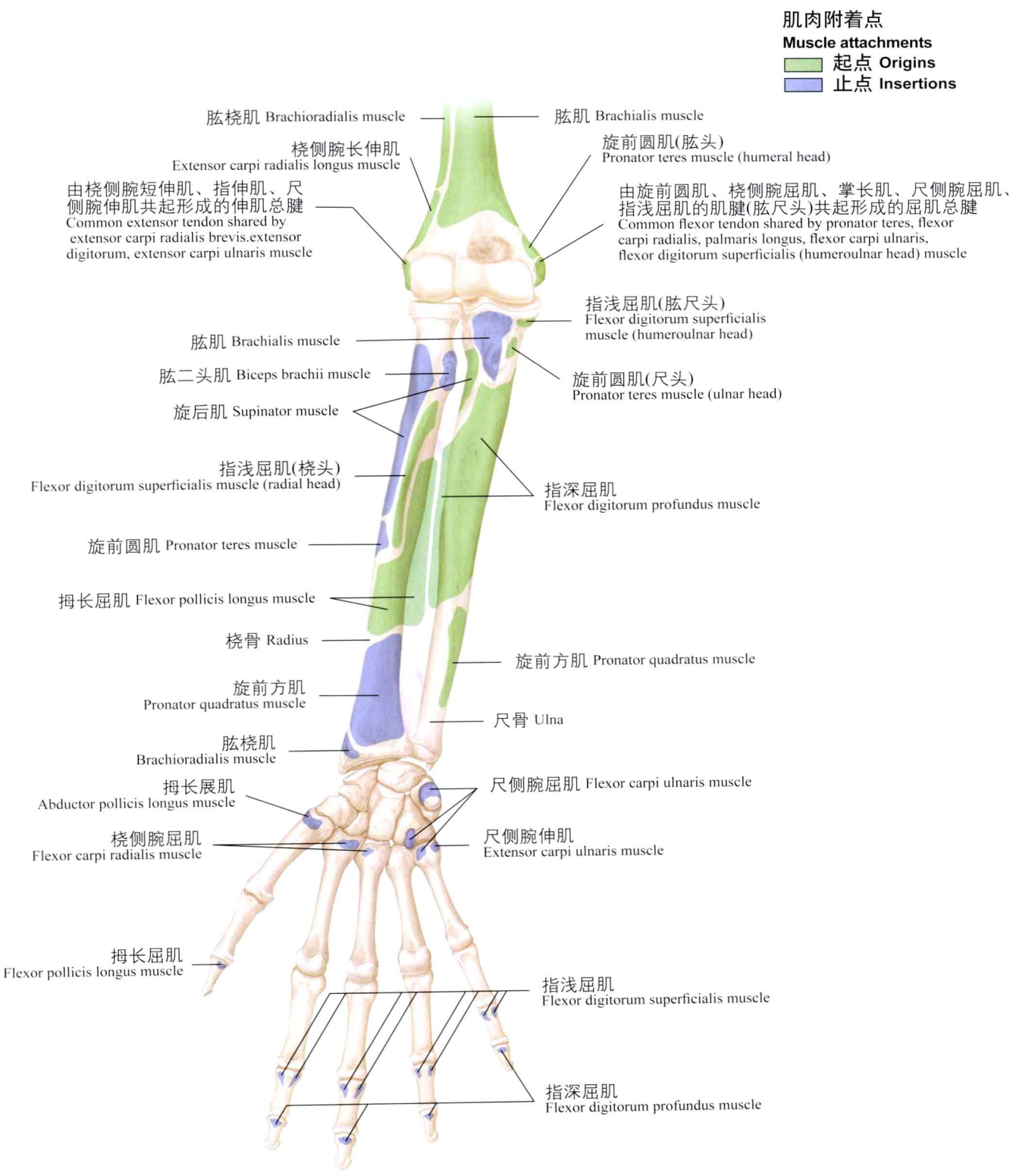
桡神经 Radial nerve

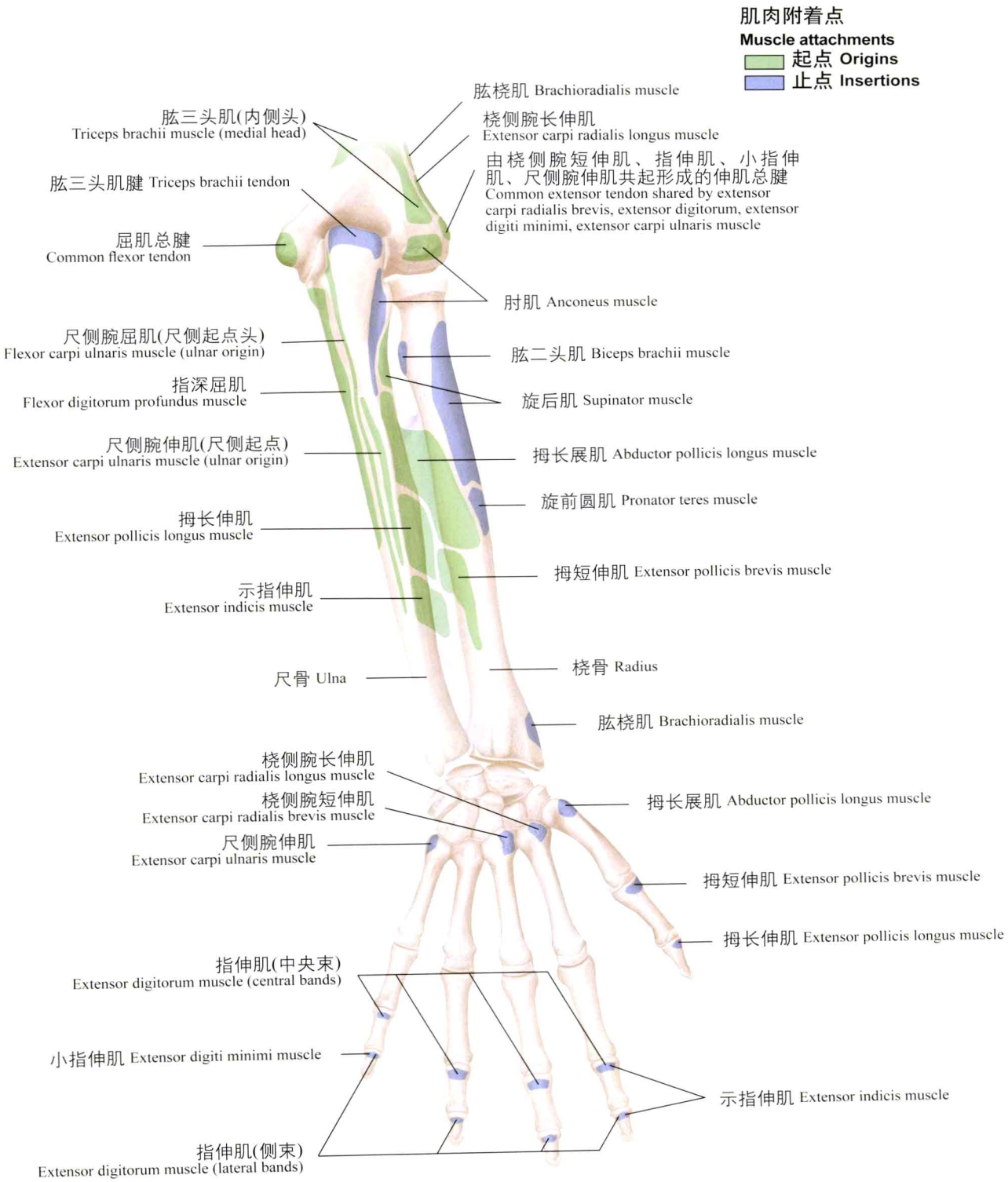
尺神经 Ulnar nerve

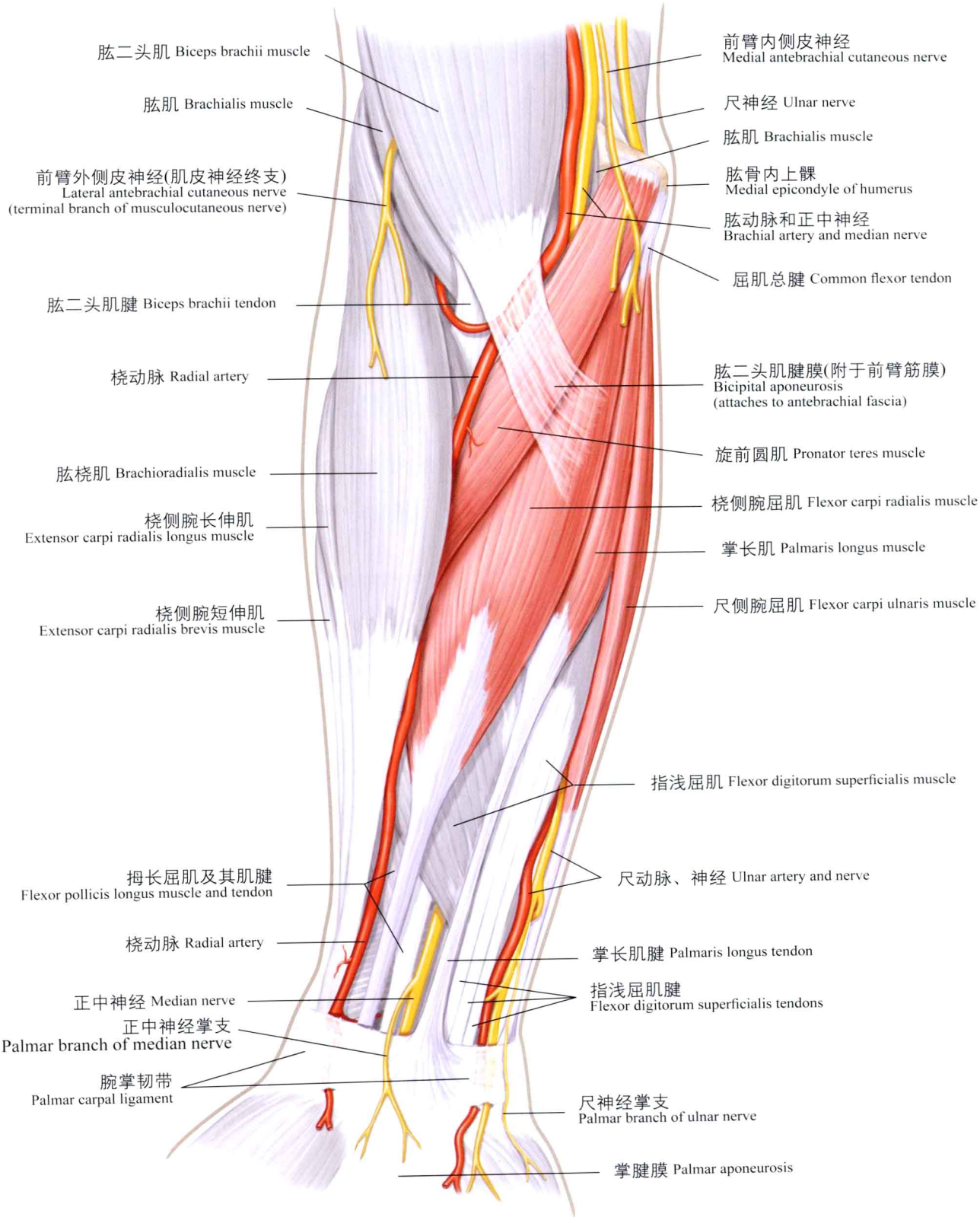
正中神经 Median nerve

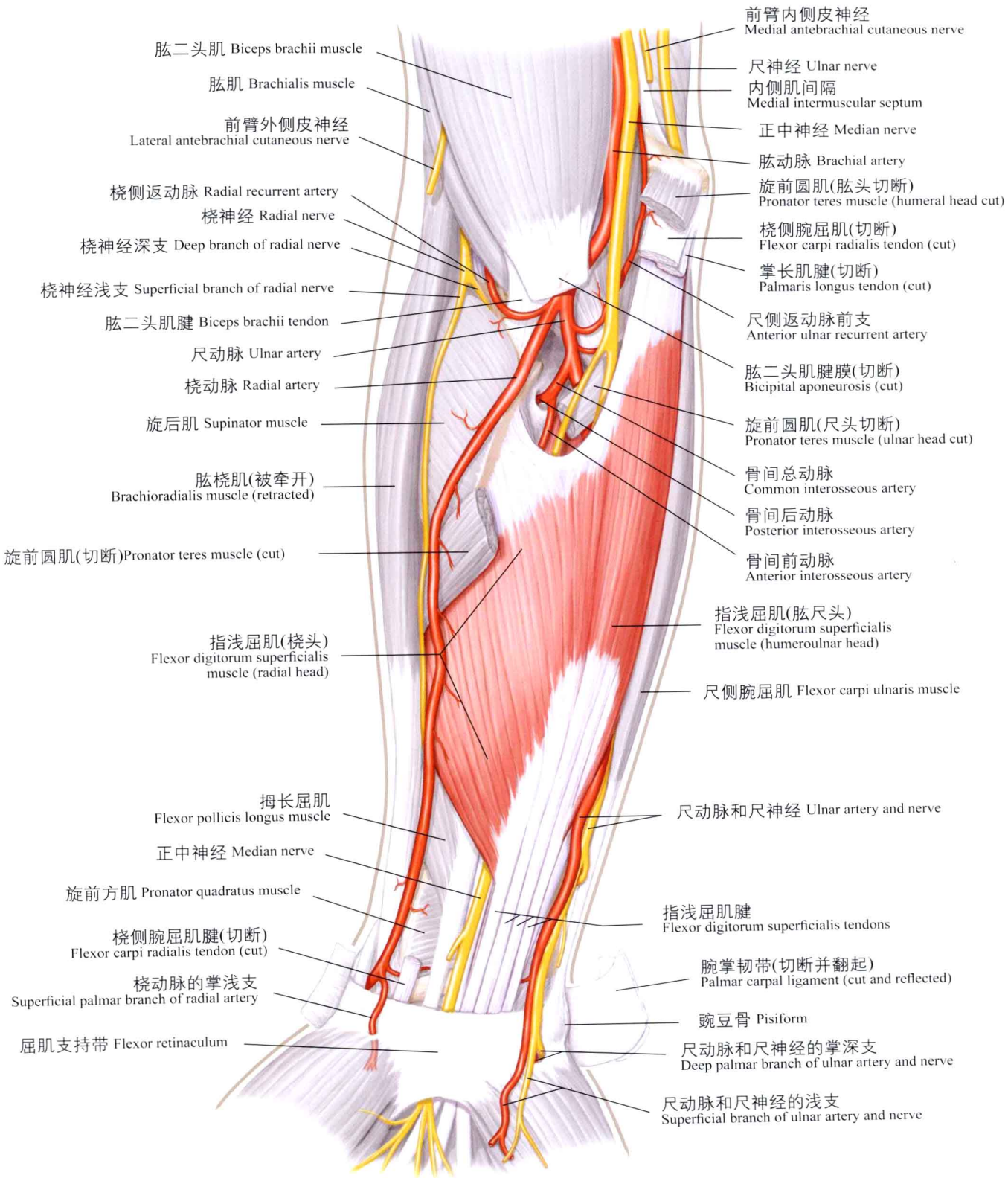
前臂外侧皮神经
Lateral antebrachial cutaneous nerve

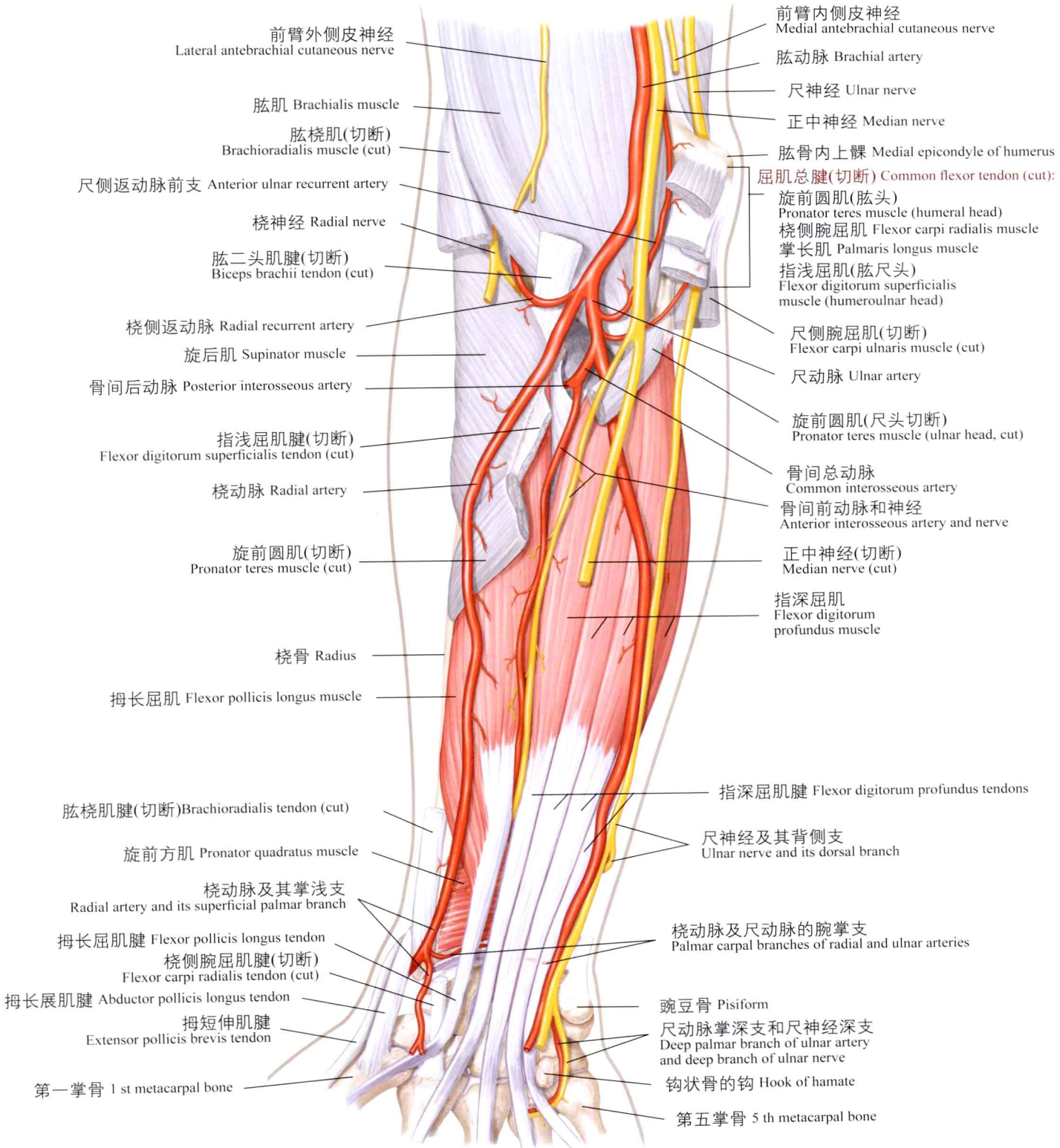
肱骨内上髁
Medial epicondyle of humerus

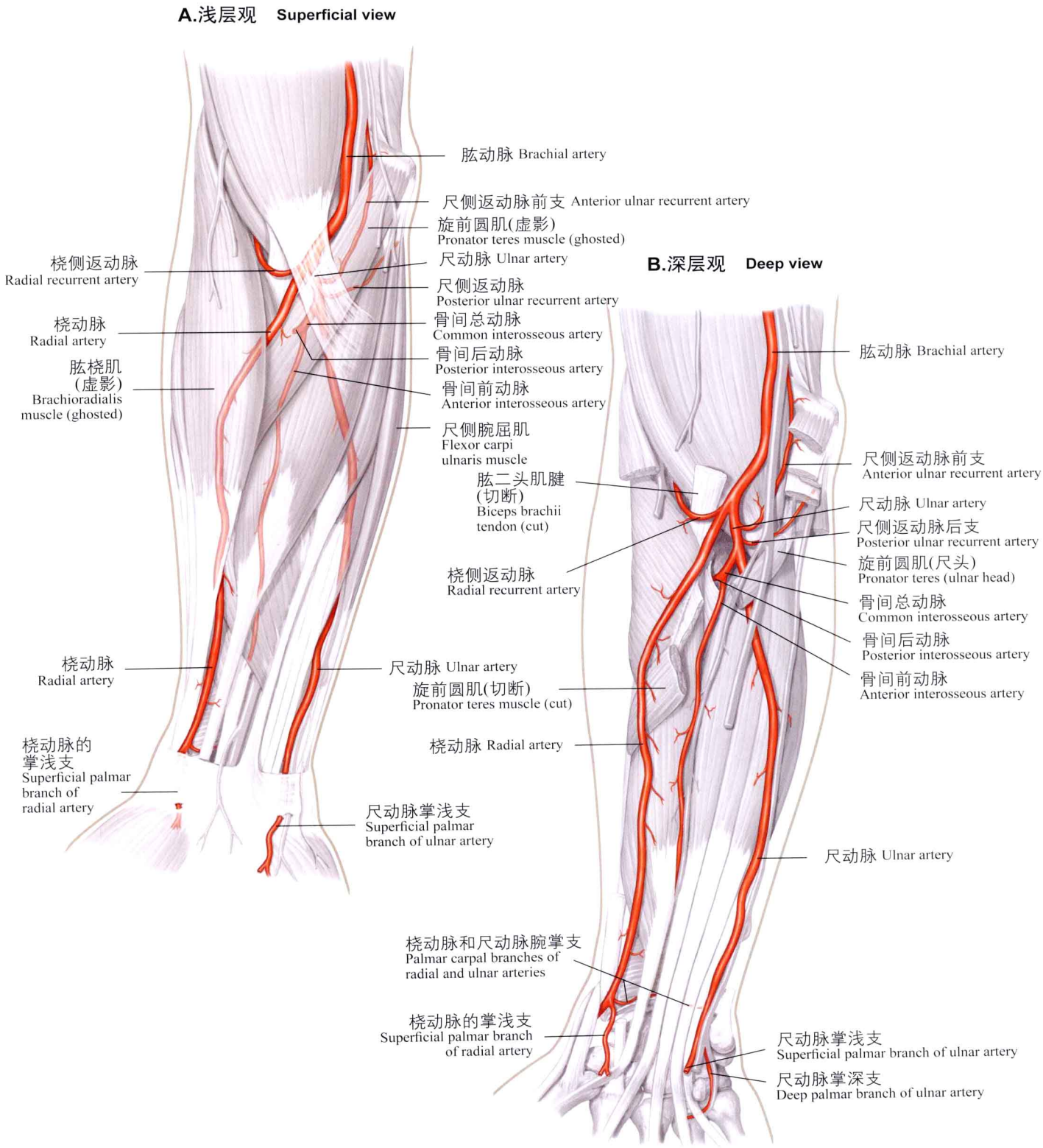

肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
肱桡肌 Brachioradialis muscle
肱肌 Brachialis muscle
桡侧腕长伸肌
Extensor carpi radialis longus muscle
旋前圆肌(肱头)
Pronator teres muscle (humeral head)
由桡侧腕短伸肌、指伸肌、尺侧腕伸肌共起形成的伸肌总腱
Common extensor tendon shared by extensor carpi radialis brevis.extensor digitorum, extensor carpi ulnaris muscle
由旋前圆肌、桡侧腕屈肌、掌长肌、尺侧腕屈肌、指浅屈肌的肌腱(肱尺头)共起形成的屈肌总腱
Common flexor tendon shared by pronator teres, flexor carpi radialis, palmaris longus, flexor carpi ulnaris, flexor digitorum superficialis (humeroulnar head) muscle
指浅屈肌(肱尺头)
Flexor digitorum superficialis muscle (humeroulnar head)
肱肌 Brachialis muscle
肱二头肌 Biceps brachii muscle
旋前圆肌(尺头)
Pronator teres muscle (ulnar head)
旋后肌 Supinator muscle
指浅屈肌(桡头)
Flexor digitorum superficialis muscle (radial head)
指深屈肌
Flexor digitorum profundus muscle
旋前圆肌 Pronator teres muscle
拇长屈肌 Flexor pollicis longus muscle
桡骨 Radius
旋前方肌 Pronator quadratus muscle
旋前方肌
Pronator quadratus muscle
尺骨 Ulna
肱桡肌
Brachioradialis muscle
拇长展肌
Abductor pollicis longus muscle
尺侧腕屈肌 Flexor carpi ulnaris muscle
桡侧腕屈肌
Flexor carpi radialis muscle
尺侧腕伸肌
Extensor carpi ulnaris muscle
拇长屈肌
Flexor pollicis longus muscle
指浅屈肌
Flexor digitorum superficialis muscle
指深屈肌
Flexor digitorum profundus muscle


肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
肱桡肌 Brachioradialis muscle
桡侧腕长伸肌
Extensor carpi radialis longus muscle
由桡侧腕短伸肌、指伸肌、小指伸肌、尺侧腕伸肌共起形成的伸肌总腱
Common extensor tendon shared by extensor carpi radialis brevis, extensor digitorum, extensor digiti minimi, extensor carpi ulnaris muscle
肱三头肌(内侧头)
Triceps brachii muscle (medial head)
肱三头肌腱 Triceps brachii tendon
屈肌总腱
Common flexor tendon
肘肌 Anconeus muscle
尺侧腕屈肌(尺侧起点头)
Flexor carpi ulnaris muscle (ulnar origin)
肱二头肌 Biceps brachii muscle
指深屈肌
Flexor digitorum profundus muscle
旋后肌 Supinator muscle
尺侧腕伸肌(尺侧起点)
Extensor carpi ulnaris muscle (ulnar origin)
拇长展肌 Abductor pollicis longus muscle
旋前圆肌 Pronator teres muscle
拇长伸肌
Extensor pollicis longus muscle
拇短伸肌 Extensor pollicis brevis muscle
示指伸肌
Extensor indicis muscle
尺骨 Ulna
桡骨 Radius
肱桡肌 Brachioradialis muscle
桡侧腕长伸肌
Extensor carpi radialis longus muscle
桡侧腕短伸肌
Extensor carpi radialis brevis muscle
尺侧腕伸肌
Extensor carpi ulnaris muscle
拇长展肌 Abductor pollicis longus muscle
拇短伸肌 Extensor pollicis brevis muscle
拇长伸肌 Extensor pollicis longus muscle
指伸肌(中央束)
Extensor digitorum muscle (central bands)
小指伸肌 Extensor digiti minimi muscle
示指伸肌 Extensor indicis muscle
指伸肌(侧束)
Extensor digitorum muscle (lateral bands)

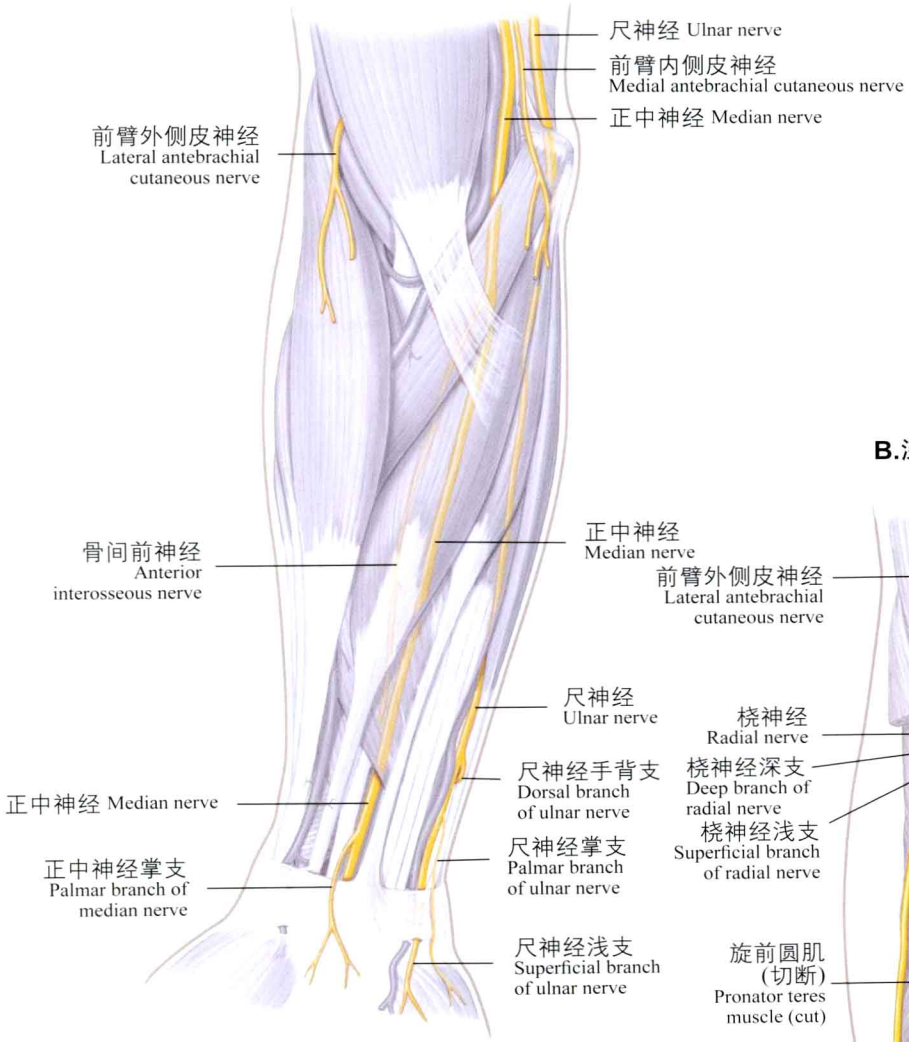

肱二头肌 Biceps brachii muscle
肱肌 Brachialis muscle
前臂外侧皮神经(肌皮神经终支)
Lateral antebrachial cutaneous nerve
(terminal branch of musculocutaneous nerve)
肱二头肌腱 Biceps brachii tendon
桡动脉 Radial artery
肱桡肌 Brachioradialis muscle
桡侧腕长伸肌
Extensor carpi radialis longus muscle
桡侧腕短伸肌
Extensor carpi radialis brevis muscle
拇长屈肌及其肌腱
Flexor pollicis longus muscle and tendon
桡动脉 Radial artery
正中神经 Median nerve
正中神经掌支
Palmar branch of median nerve
腕掌韧带
Palmar carpal ligament
前臂内侧皮神经
Medial antebrachial cutaneous nerve
尺神经 Ulnar nerve
肱肌 Brachialis muscle
肱骨内上髁
Medial epicondyle of humerus
肱动脉和正中神经
Brachial artery and median nerve
屈肌总腱 Common flexor tendon
肱二头肌腱膜(附于前臂筋膜)
Bicipital aponeurosis
(attaches to antebrachial fascia)
旋前圆肌 Pronator teres muscle
桡侧腕屈肌 Flexor carpi radialis muscle
掌长肌 Palmaris longus muscle
尺侧腕屈肌 Flexor carpi ulnaris muscle
指浅屈肌 Flexor digitorum superficialis muscle
尺动脉、神经 Ulnar artery and nerve
掌长肌腱 Palmaris longus tendon
指浅屈肌腱
Flexor digitorum superficialis tendons
尺神经掌支
Palmar branch of ulnar nerve
掌腱膜 Palmar aponeurosis


肱二头肌 Biceps brachii muscle
肱肌 Brachialis muscle
前臂外侧皮神经
Lateral antebrachial cutaneous nerve
桡侧返动脉 Radial recurrent artery
桡神经 Radial nerve
桡神经深支 Deep branch of radial nerve
桡神经浅支 Superficial branch of radial nerve
肱二头肌腱 Biceps brachii tendon
尺动脉 Ulnar artery
桡动脉 Radial artery
旋后肌 Supinator muscle
肱桡肌(被牵开)
Brachioradialis muscle (retracted)
旋前圆肌(切断)Pronator teres muscle (cut)
指浅屈肌(桡头)
Flexor digitorum superficialis muscle (radial head)
拇长屈肌
Flexor pollicis longus muscle
正中神经 Median nerve
旋前方肌 Pronator quadratus muscle
桡侧腕屈肌腱(切断)
Flexor carpi radialis tendon (cut)
桡动脉的掌浅支
Superficial palmar branch of radial artery
屈肌支持带 Flexor retinaculum
前臂内侧皮神经
Medial antebrachial cutaneous nerve
尺神经 Ulnar nerve
内侧肌间隔
Medial intermuscular septum
正中神经 Median nerve
肱动脉 Brachial artery
旋前圆肌(肱头切断)
Pronator teres muscle (humeral head cut)
桡侧腕屈肌(切断)
Flexor carpi radialis tendon (cut)
掌长肌腱(切断)
Palmaris longus tendon (cut)
尺侧返动脉前支
Anterior ulnar recurrent artery
肱二头肌腱膜(切断)
Bicipital aponeurosis (cut)
旋前圆肌(尺头切断)
Pronator teres muscle (ulnar head cut)
骨间总动脉
Common interosseous artery
骨间后动脉
Posterior interosseous artery
骨间前动脉
Anterior interosseous artery
指浅屈肌(肱尺头)
Flexor digitorum superficialis muscle (humeroulnar head)
尺侧腕屈肌 Flexor carpi ulnaris muscle
尺动脉和尺神经 Ulnar artery and nerve
指浅屈肌腱
Flexor digitorum superficialis tendons
腕掌韧带(切断并翻起)
Palmar carpal ligament (cut and reflected)
豌豆骨 Pisiform
尺动脉和尺神经的掌深支
Deep palmar branch of ulnar artery and nerve
尺动脉和尺神经的浅支
Superficial branch of ulnar artery and nerve

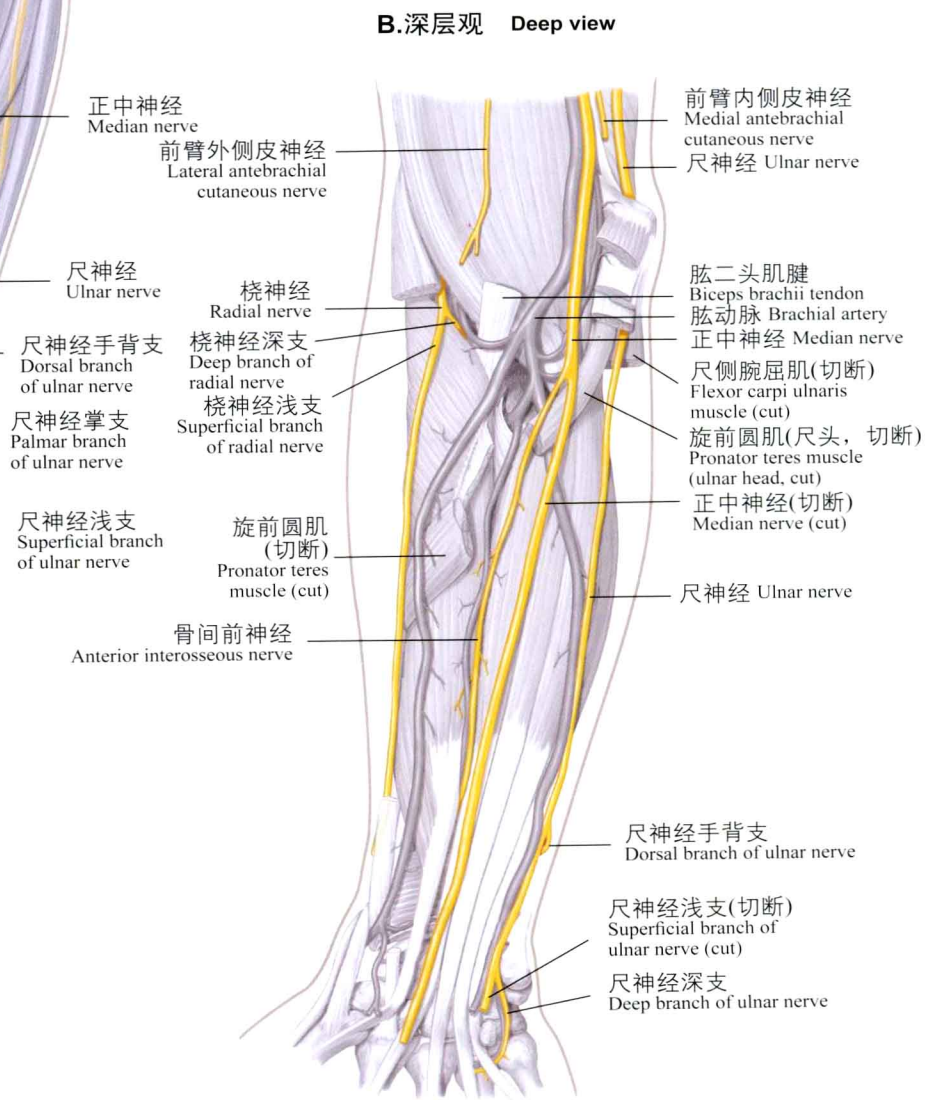

前臂外侧皮神经
Lateral antebrachial cutaneous nerve
肱肌 Brachialis muscle
肱桡肌(切断)
Brachioradialis muscle (cut)
尺侧返动脉前支 Anterior ulnar recurrent artery
桡神经 Radial nerve
肱二头肌腱(切断)
Biceps brachii tendon (cut)
桡侧返动脉 Radial recurrent artery
旋后肌 Supinator muscle
骨间后动脉 Posterior interosseous artery
指浅屈肌腱(切断)
Flexor digitorum superficialis tendon (cut)
桡动脉 Radial artery
旋前圆肌(切断)
Pronator teres muscle (cut)
桡骨 Radius
拇长屈肌 Flexor pollicis longus muscle
肱桡肌腱(切断)Brachioradialis tendon (cut)
旋前方肌 Pronator quadratus muscle
桡动脉及其掌浅支
Radial artery and its superficial palmar branch
拇长屈肌腱 Flexor pollicis longus tendon
桡侧腕屈肌腱(切断)
Flexor carpi radialis tendon (cut)
拇长展肌腱 Abductor pollicis longus tendon
拇短伸肌腱
Extensor pollicis brevis tendon
第一掌骨 1 st metacarpal bone
前臂内侧皮神经
Medial antebrachial cutaneous nerve
肱动脉 Brachial artery
尺神经 Ulnar nerve
正中神经 Median nerve
肱骨内上髁 Medial epicondyle of humerus
屈肌总腱(切断) Common flexor tendon (cut):
旋前圆肌(肱头)
Pronator teres muscle (humeral head)
桡侧腕屈肌 Flexor carpi radialis muscle
掌长肌 Palmaris longus muscle
指浅屈肌(肱尺头)
Flexor digitorum superficialis
muscle (humeroulnar head)
尺侧腕屈肌(切断)
Flexor carpi ulnaris muscle (cut)
尺动脉 Ulnar artery
旋前圆肌(尺头切断)
Pronator teres muscle (ulnar head, cut)
骨间总动脉
Common interosseous artery
骨间前动脉和神经
Anterior interosseous artery and nerve
正中神经(切断)
Median nerve (cut)
指深屈肌
Flexor digitorum
profundus muscle
指深屈肌腱 Flexor digitorum profundus tendons
尺神经及其背侧支
Ulnar nerve and its dorsal branch
桡动脉及尺动脉的腕掌支
Palmar carpal branches of radial and ulnar arteries
豌豆骨 Pisiform
尺动脉掌深支和尺神经深支
Deep palmar branch of ulnar artery
and deep branch of ulnar nerve
钩状骨的钩 Hook of hamate
第五掌骨 5 th metacarpal bone


A.浅层观 Superficial view
肱动脉 Brachial artery
尺侧返动脉前支 Anterior ulnar recurrent artery
旋前圆肌(虚影)
Pronator teres muscle (ghosted)
桡侧返动脉
Radial recurrent artery
尺动脉 Ulnar artery
尺侧返动脉
Posterior ulnar recurrent artery
桡动脉
Radial artery
骨间总动脉
Common interosseous artery
骨间后动脉
Posterior interosseous artery
肱桡肌
(虚影)
Brachioradialis
muscle (ghosted)
骨间前动脉
Anterior interosseous artery
尺侧腕屈肌
Flexor carpi
ulnaris muscle
肱二头肌腱
(切断)
Biceps brachii
tendon (cut)
桡侧返动脉
Radial recurrent artery
桡动脉
Radial artery
尺动脉 Ulnar artery
旋前圆肌(切断)
Pronator teres muscle (cut)
桡动脉的
掌浅支
Superficial palmar
branch of
radial artery
桡动脉 Radial artery
尺动脉掌浅支
Superficial palmar
branch of ulnar artery
B.深层观 Deep view
肱动脉 Brachial artery
尺侧返动脉前支
Anterior ulnar recurrent artery
尺动脉 Ulnar artery
尺侧返动脉后支
Posterior ulnar recurrent artery
旋前圆肌(尺头)
Pronator teres (ulnar head)
骨间总动脉
Common interosseous artery
骨间后动脉
Posterior interosseous artery
骨间前动脉
Anterior interosseous artery
尺动脉 Ulnar artery
桡动脉和尺动脉腕掌支
Palmar carpal branches of
radial and ulnar arteries
桡动脉的掌浅支
Superficial palmar branch
of radial artery
尺动脉掌浅支
Superficial palmar branch of ulnar artery
尺动脉掌深支
Deep palmar branch of ulnar artery

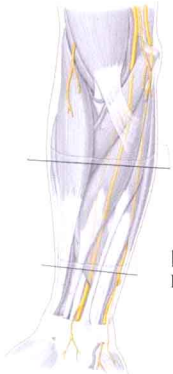
A.浅层观 Superficial view



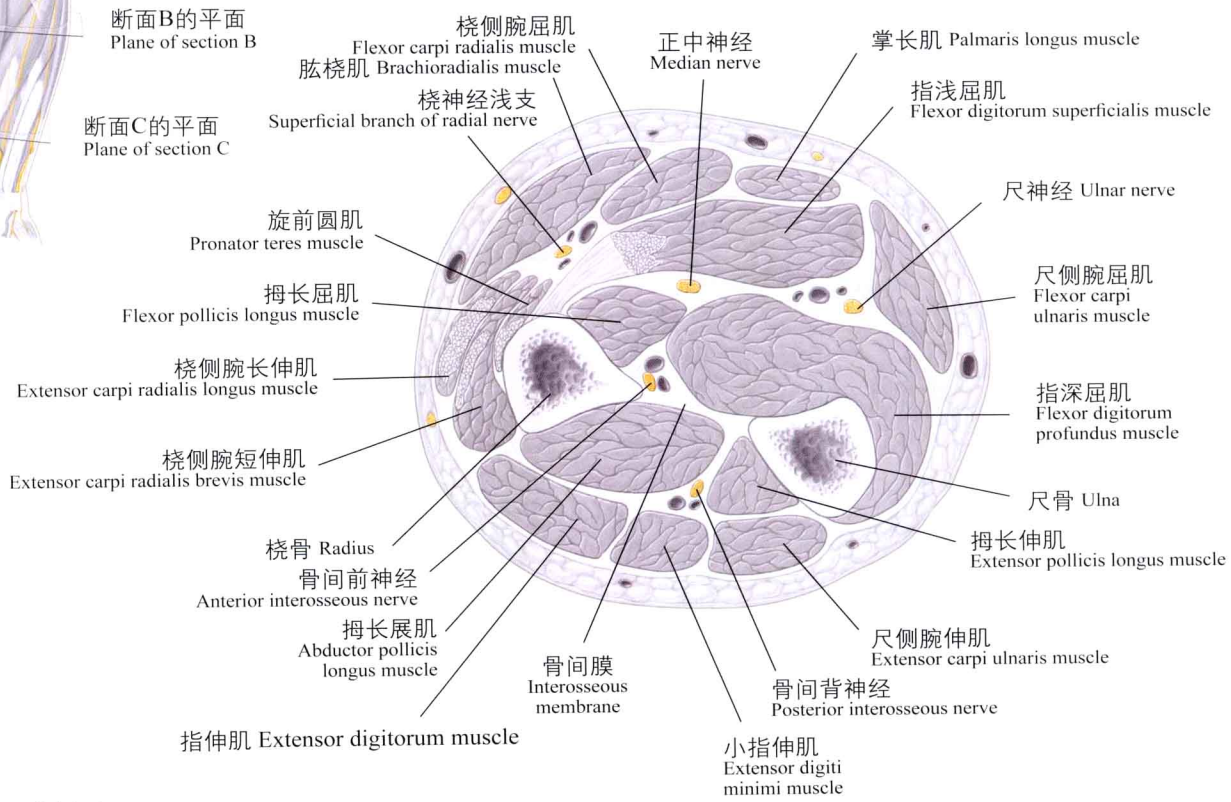
B.深层观 Deep view



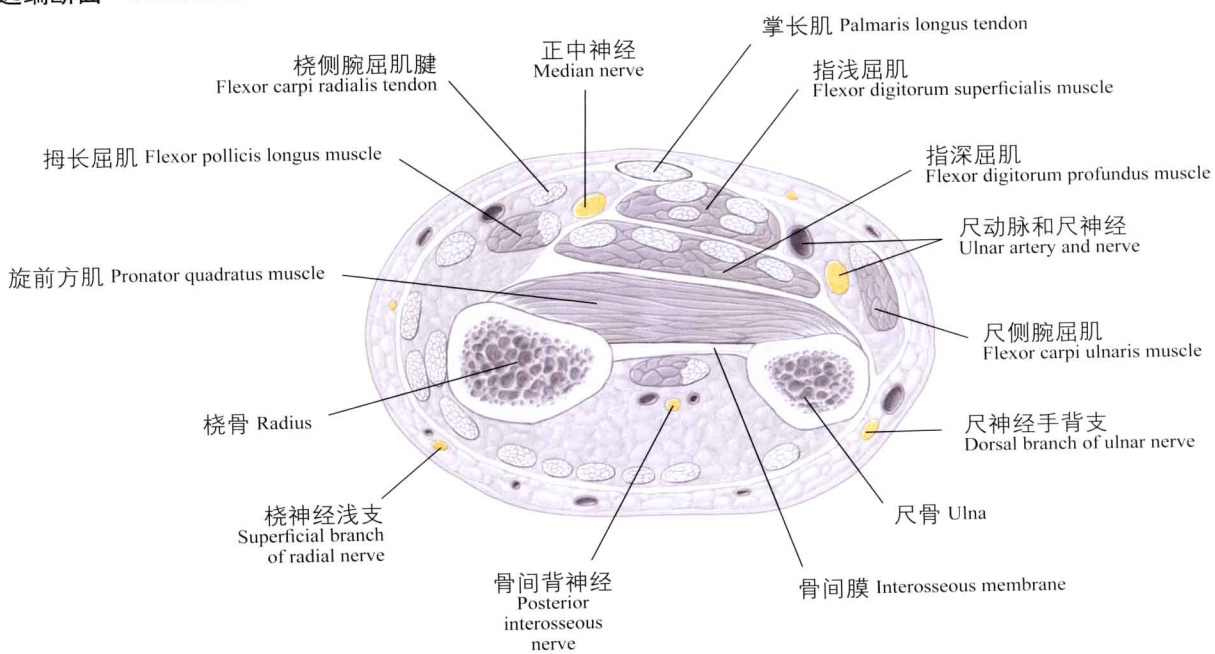
A.定位 Orientation

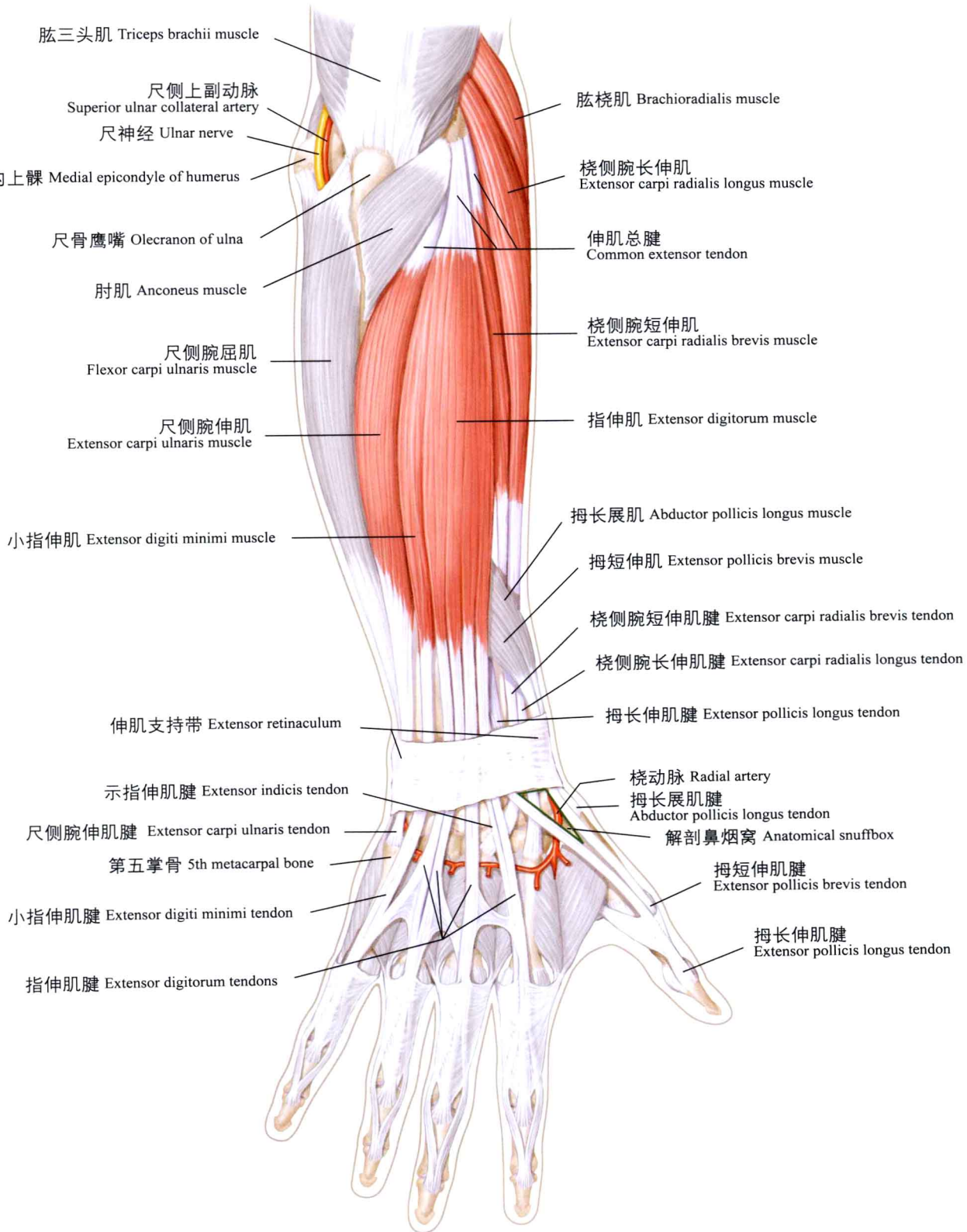


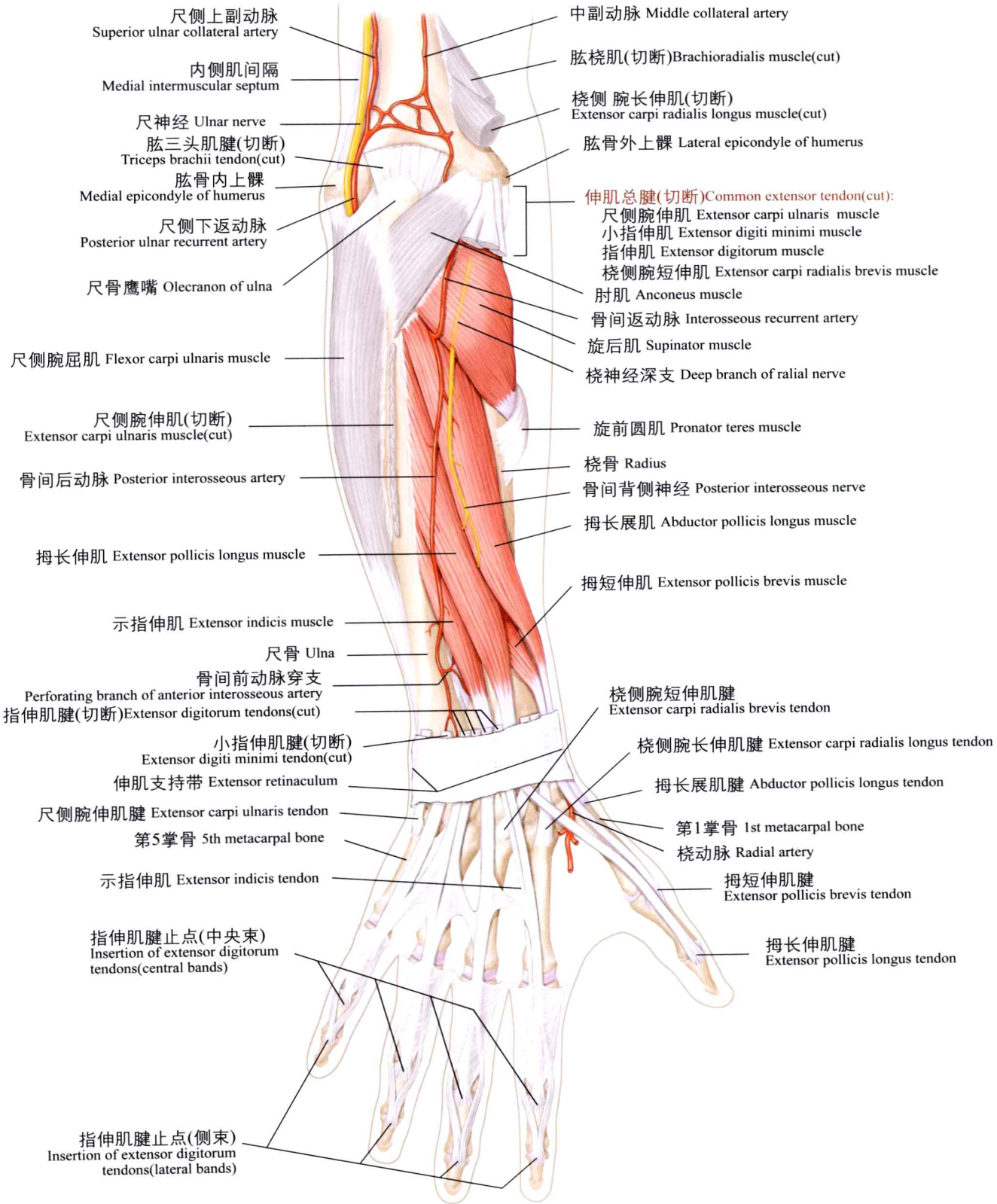
B.前臂中断面 midforearm

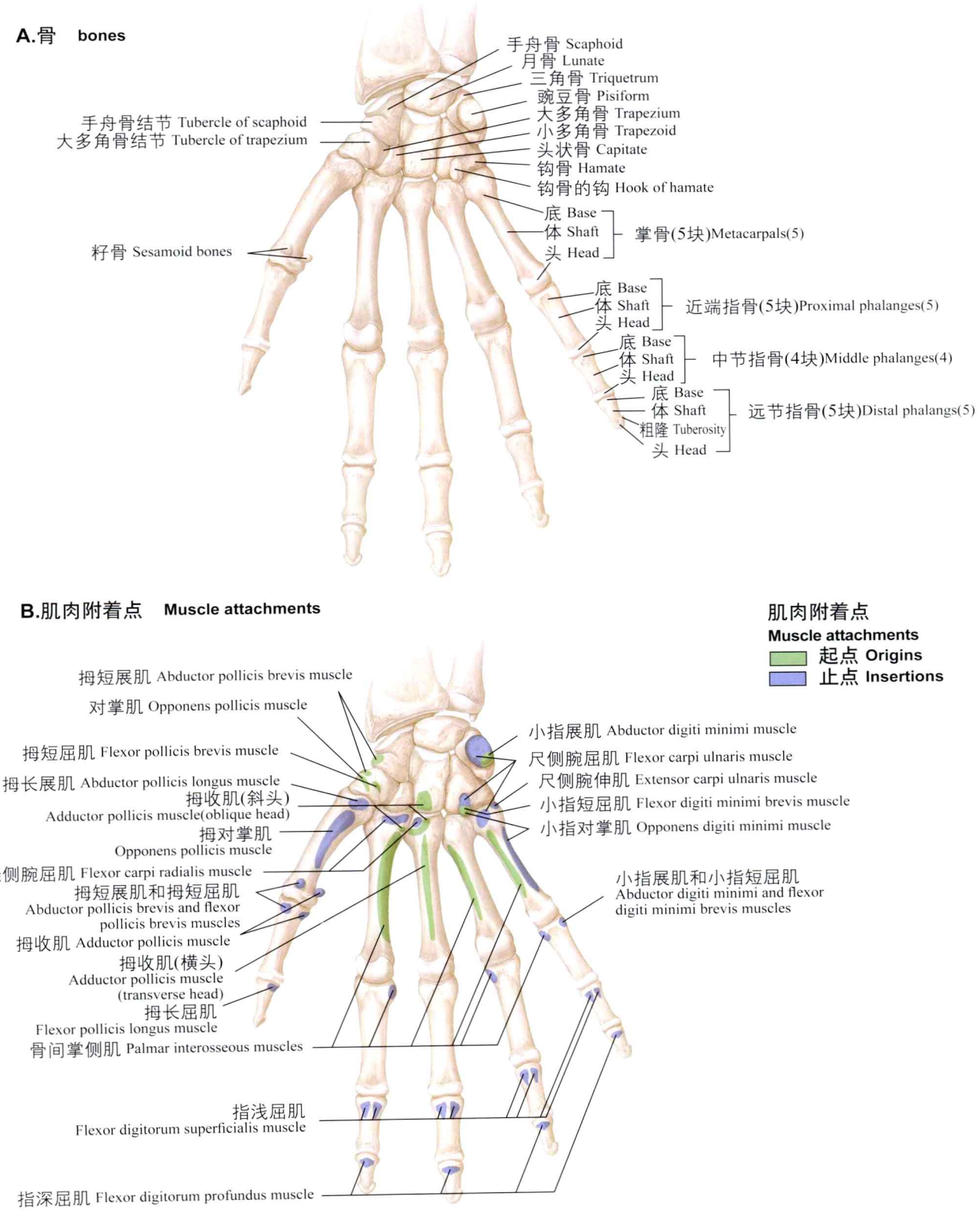


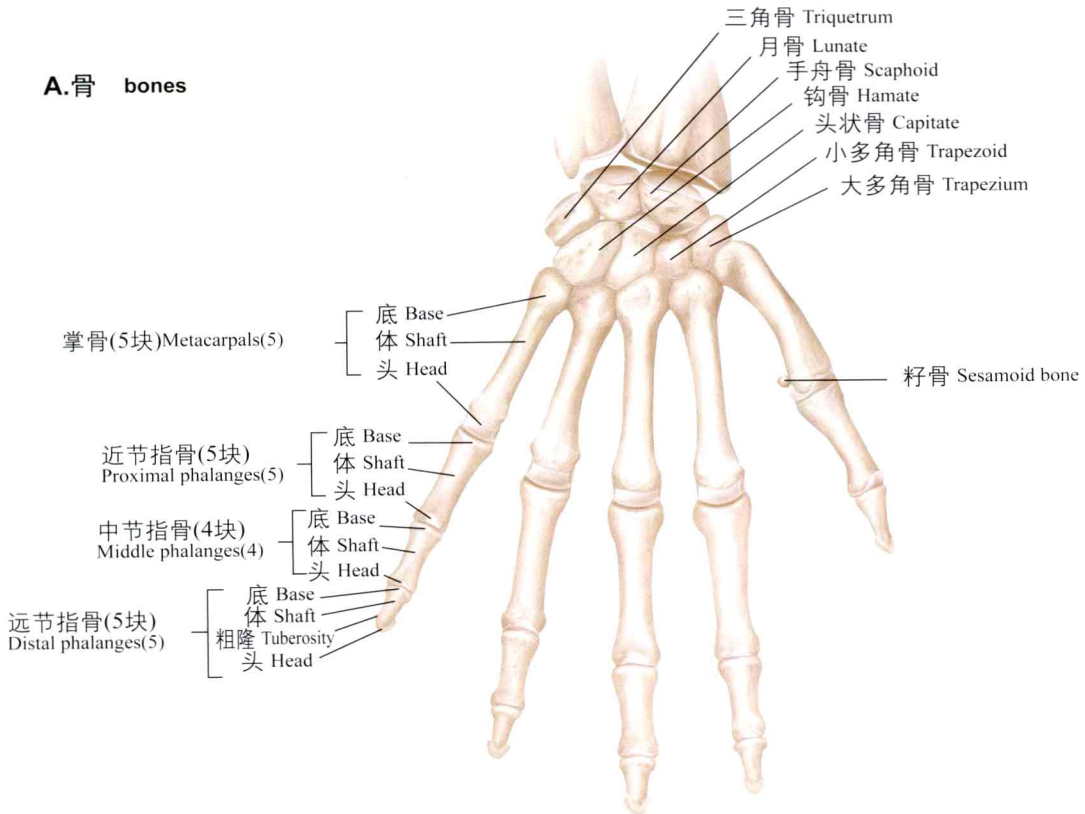
B.前臂远端断面 Distal forearm

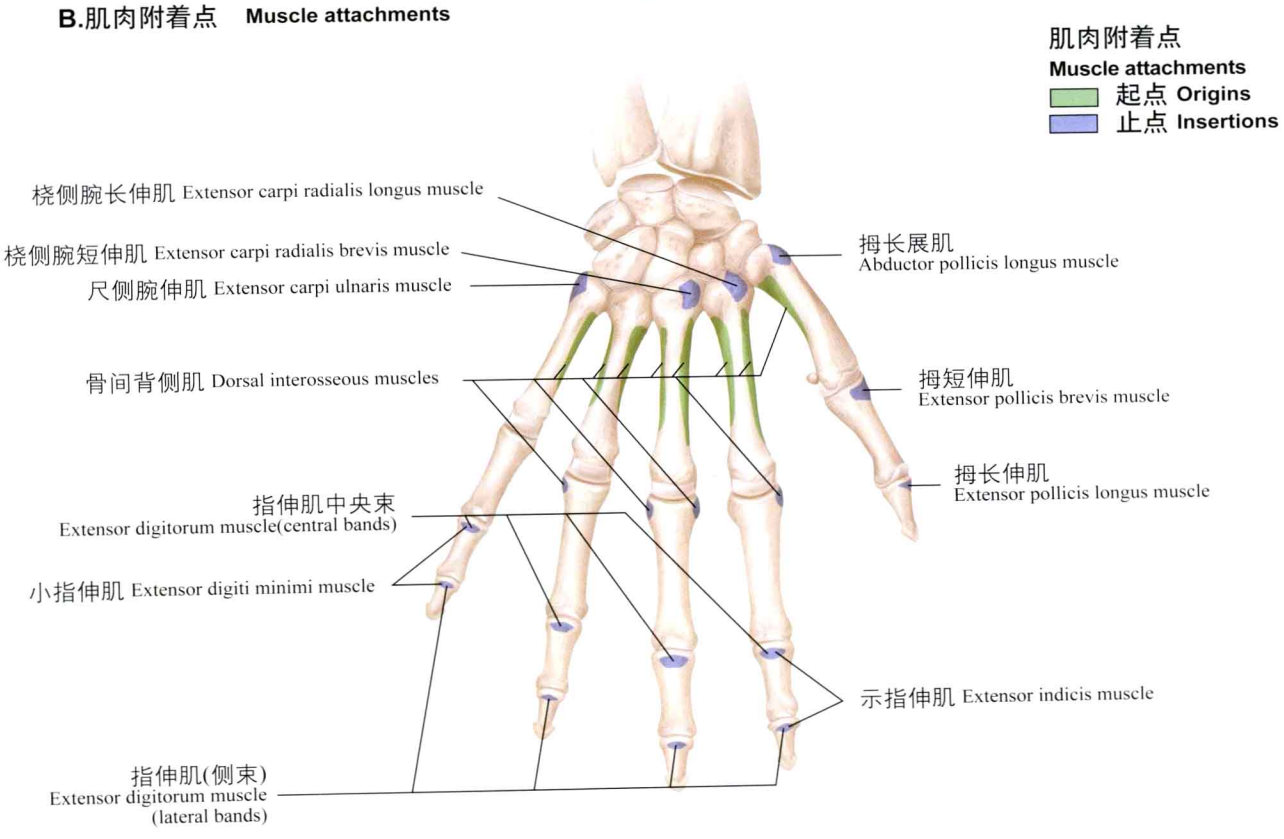



肱三头肌 Triceps brachii muscle
尺侧上副动脉
Superior ulnar collateral artery
尺神经 Ulnar nerve
肱骨内上髁 Medial epicondyle of humerus
尺骨鹰嘴 Olecranon of ulna
肘肌 Anconeus muscle
尺侧腕屈肌
Flexor carpi ulnaris muscle
尺侧腕伸肌
Extensor carpi ulnaris muscle
小指伸肌 Extensor digiti minimi muscle
伸肌支持带 Extensor retinaculum
示指伸肌腱 Extensor indicis tendon
尺侧腕伸肌腱 Extensor carpi ulnaris tendon
第五掌骨 5th metacarpal bone
小指伸肌腱 Extensor digiti minimi tendon
指伸肌腱 Extensor digitorum tendons
肱桡肌 Brachioradialis muscle
桡侧腕长伸肌
Extensor carpi radialis longus muscle
伸肌总腱
Common extensor tendon
桡侧腕短伸肌
Extensor carpi radialis brevis muscle
指伸肌 Extensor digitorum muscle
拇长展肌 Abductor pollicis longus muscle
拇短伸肌 Extensor pollicis brevis muscle
桡侧腕短伸肌腱 Extensor carpi radialis brevis tendon
桡侧腕长伸肌腱 Extensor carpi radialis longus tendon
拇长伸肌腱 Extensor pollicis longus tendon
桡动脉 Radial artery
拇长展肌腱
Abductor pollicis longus tendon
解剖鼻烟窝 Anatomical snuffbox
拇短伸肌腱
Extensor pollicis brevis tendon
拇长伸肌腱
Extensor pollicis longus tendon

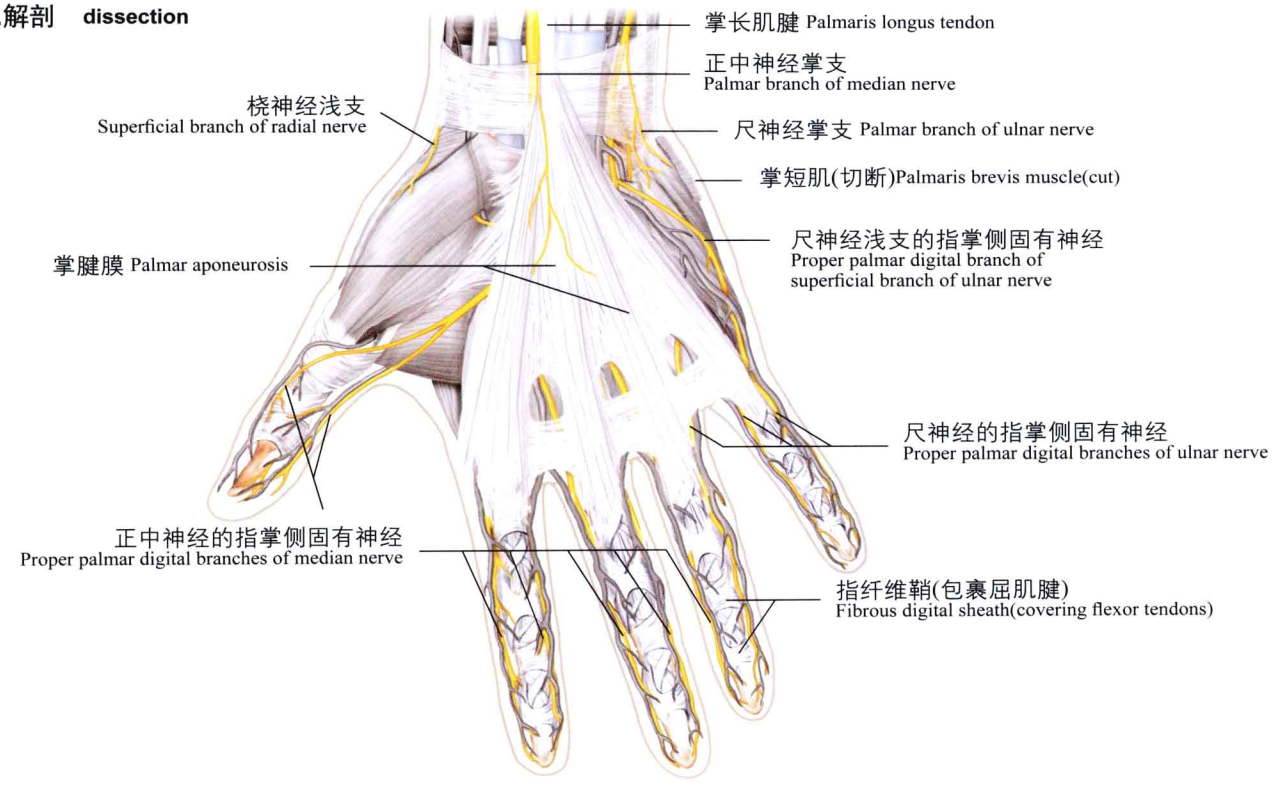

尺侧上副动脉
Superior ulnar collateral artery
内侧肌间隔
Medial intermuscular septum
尺神经 Ulnar nerve
肱三头肌腱(切断)
Triceps brachii tendon(cut)
肱骨内上髁
Medial epicondyle of humerus
尺侧下返动脉
Posterior ulnar recurrent artery
尺骨鹰嘴 Olecranon of ulna
尺侧腕屈肌 Flexor carpi ulnaris muscle
尺侧腕伸肌(切断)
Extensor carpi ulnaris muscle(cut)
骨间后动脉 Posterior interosseous artery
拇长伸肌 Extensor pollicis longus muscle
示指伸肌 Extensor indicis muscle
尺骨 Ulna
骨间前动脉穿支
Perforating branch of anterior interosseous artery
指伸肌腱(切断)Extensor digitorum tendons(cut)
小指伸肌腱(切断)
Extensor digiti minimi tendon(cut)
伸肌支持带 Extensor retinaculum
尺侧腕伸肌腱 Extensor carpi ulnaris tendon
第5掌骨 5th metacarpal bone
示指伸肌 Extensor indicis tendon
指伸肌腱止点(中央束)
Insertion of extensor digitorum tendons(central bands)
指伸肌腱止点(侧束)
Insertion of extensor digitorum tendons(lateral bands)
中副动脉 Middle collateral artery
肱桡肌(切断)Brachioradialis muscle(cut)
桡侧 腕长伸肌(切断)
Extensor carpi radialis longus muscle(cut)
肱骨外上髁 Lateral epicondyle of humerus
伸肌总腱(切断)Common extensor tendon(cut):
尺侧腕伸肌 Extensor carpi ulnaris muscle
小指伸肌 Extensor digiti minimi muscle
指伸肌 Extensor digitorum muscle
桡侧腕短伸肌 Extensor carpi radialis brevis muscle
肘肌 Anconeus muscle
骨间返动脉 Interosseous recurrent artery
旋后肌 Supinator muscle
桡神经深支 Deep branch of ralial nerve
旋前圆肌 Pronator teres muscle
桡骨 Radius
骨间背侧神经 Posterior interosseous nerve
拇长展肌 Abductor pollicis longus muscle
拇短伸肌 Extensor pollicis brevis muscle
桡侧腕短伸肌腱
Extensor carpi radialis brevis tendon
桡侧腕长伸肌腱 Extensor carpi radialis longus tendon
拇长展肌腱 Abductor pollicis longus tendon
第1掌骨 1st metacarpal bone
桡动脉 Radial artery
拇短伸肌腱
Extensor pollicis brevis tendon
拇长伸肌腱
Extensor pollicis longus tendon


A.骨 bones
手舟骨 Scaphoid
月骨 Lunate
三角骨 Triquetrum
豌豆骨 Pisiform
大多角骨 Trapezium
小多角骨 Trapezoid
头状骨 Capitate
钩骨 Hamate
钩骨的钩 Hook of hamate
手舟骨结节 Tubercle of scaphoid
大多角骨结节 Tubercle of trapezium
籽骨 Sesamoid bones
底 Base
体 Shaft
头 Head
掌骨(5块)Metacarpals(5)
底 Base
体 Shaft
头 Head
近端指骨(5块)Proximal phalanges(5)
底 Base
体 Shaft
头 Head
中节指骨(4块)Middle phalanges(4)
底 Base
体 Shaft
粗隆 Tuberosity
头 Head
远节指骨(5块)Distal phalangs(5)
B.肌肉附着点 Muscle attachments
肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
拇短展肌 Abductor pollicis brevis muscle
对掌肌 Opponens pollicis muscle
拇短屈肌 Flexor pollicis brevis muscle
拇长展肌 Abductor pollicis longus muscle
拇收肌(斜头)
Adductor pollicis muscle(oblique head)
拇对掌肌
Opponens pollicis muscle
桡侧腕屈肌 Flexor carpi radialis muscle
拇短展肌和拇短屈肌
Abductor pollicis brevis and flexor pollicis brevis muscles
拇收肌 Adductor pollicis muscle
拇收肌(横头)
Adductor pollicis muscle (transverse head)
拇长屈肌
Flexor pollicis longus muscle
骨间掌侧肌 Palmar interosseous muscles
指浅屈肌
Flexor digitorum superficialis muscle
指深屈肌 Flexor digitorum profundus muscle
小指展肌 Abductor digiti minimi muscle
尺侧腕屈肌 Flexor carpi ulnaris muscle
尺侧腕伸肌 Extensor carpi ulnaris muscle
小指短屈肌 Flexor digiti minimi brevis muscle
小指对掌肌 Opponens digiti minimi muscle
小指展肌和小指短屈肌
Abductor digiti minimi and flexor digiti minimi brevis muscles

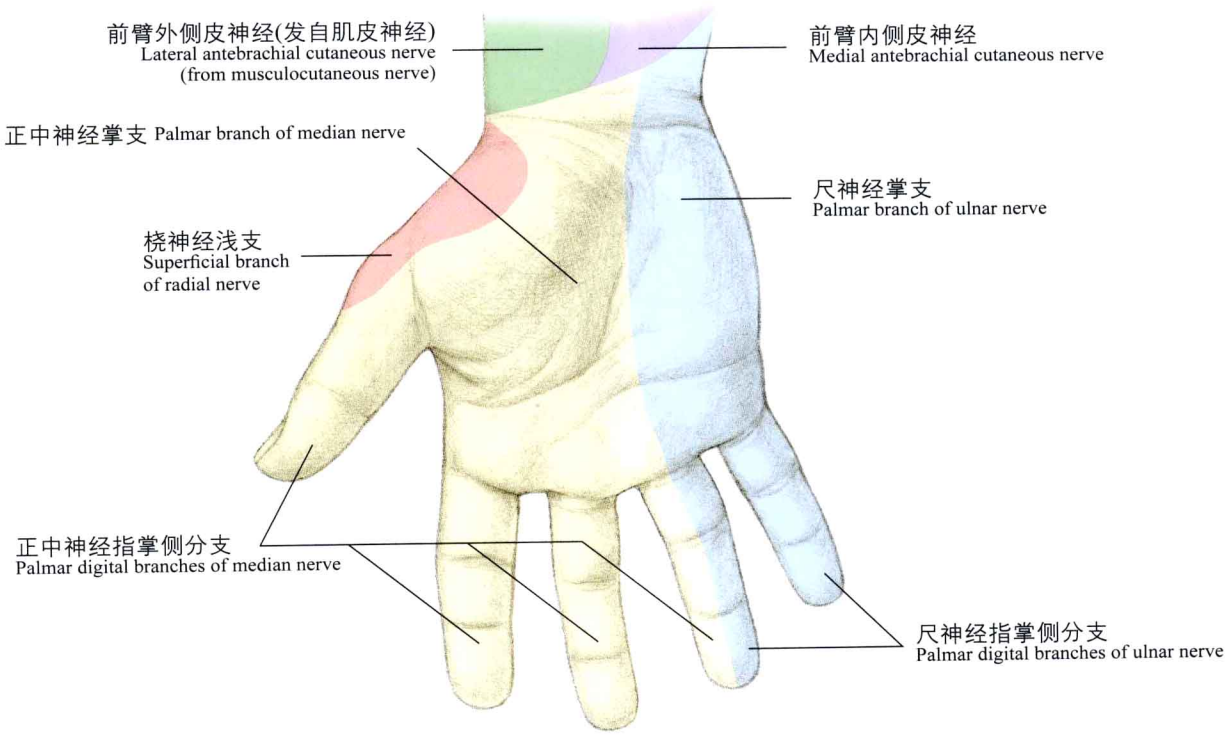

A.骨 bones
三角骨 Triquetrum
月骨 Lunate
手舟骨 Scaphoid
钩骨 Hamate
头状骨 Capitate
小多角骨 Trapezoid
大多角骨 Trapezium
掌骨(5块)Metacarpals(5)
底 Base
体 Shaft
头 Head
籽骨 Sesamoid bone
近节指骨(5块)
Proximal phalanges(5)
底 Base
体 Shaft
头 Head
中节指骨(4块)
Middle phalanges(4)
底 Base
体 Shaft
头 Head
远节指骨(5块)
Distal phalanges(5)
底 Base
体 Shaft
粗隆 Tuberosity
头 Head


B.肌肉附着点 Muscle attachments
肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
桡侧腕长伸肌 Extensor carpi radialis longus muscle
桡侧腕短伸肌 Extensor carpi radialis brevis muscle
尺侧腕伸肌 Extensor carpi ulnaris muscle
骨间背侧肌 Dorsal interosseous muscles
指伸肌中央束
Extensor digitorum muscle(central bands)
小指伸肌 Extensor digiti minimi muscle
指伸肌(侧束)
Extensor digitorum muscle
(lateral bands)
拇长展肌
Abductor pollicis longus muscle
拇短伸肌
Extensor pollicis brevis muscle
拇长伸肌
Extensor pollicis longus muscle
示指伸肌 Extensor indicis muscle

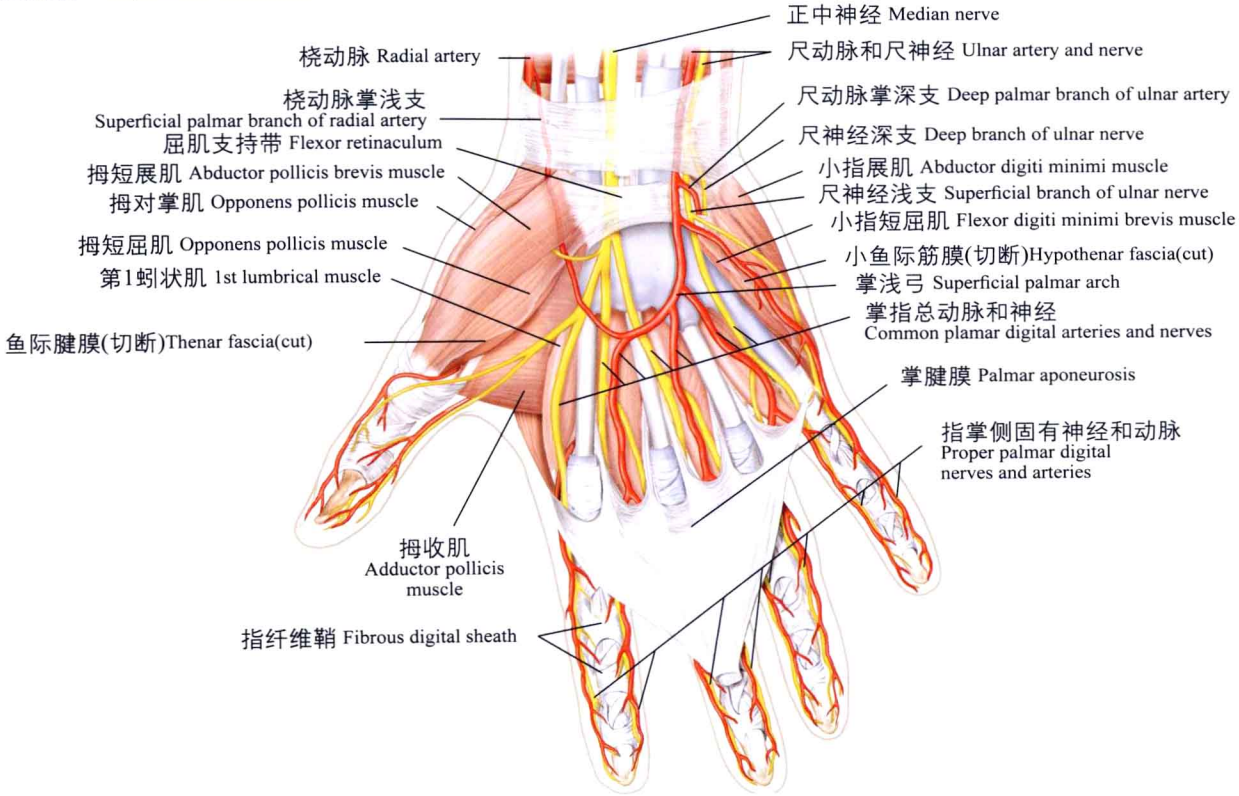
A.解剖 dissection



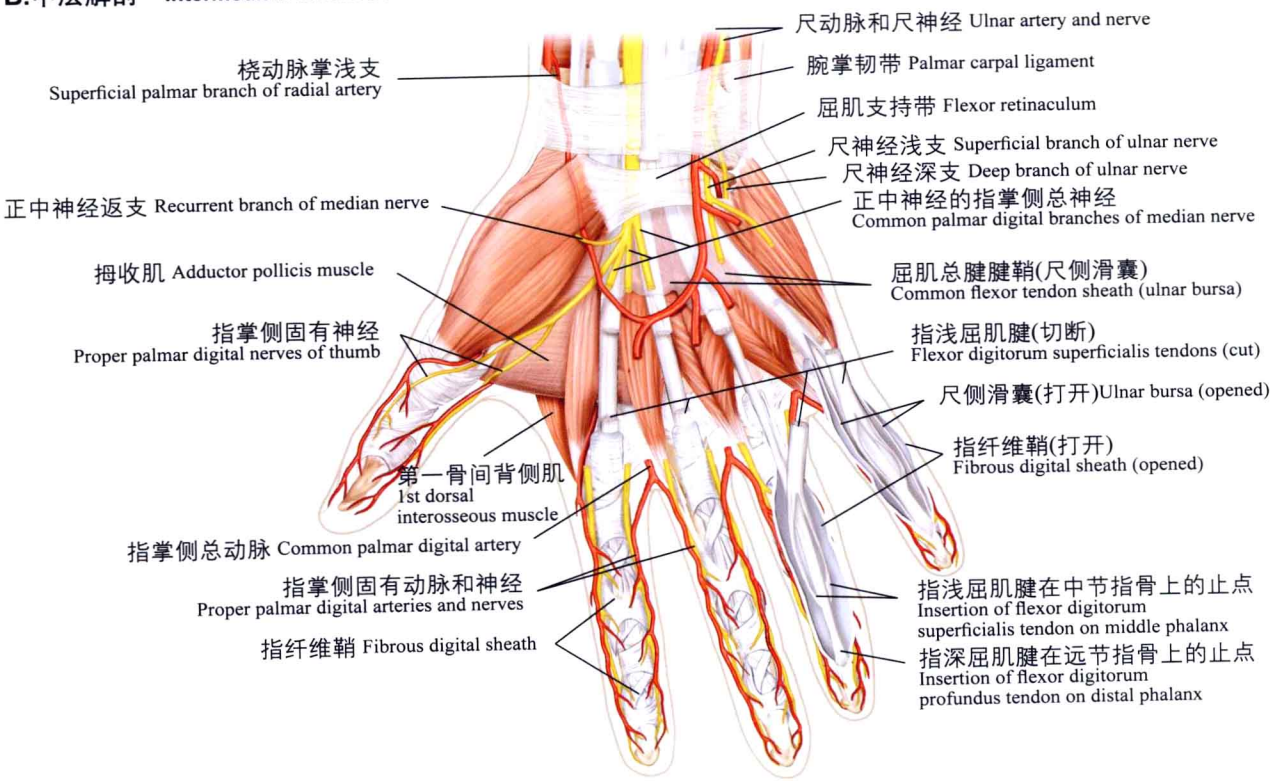
B.神经支配区域 nerve territories



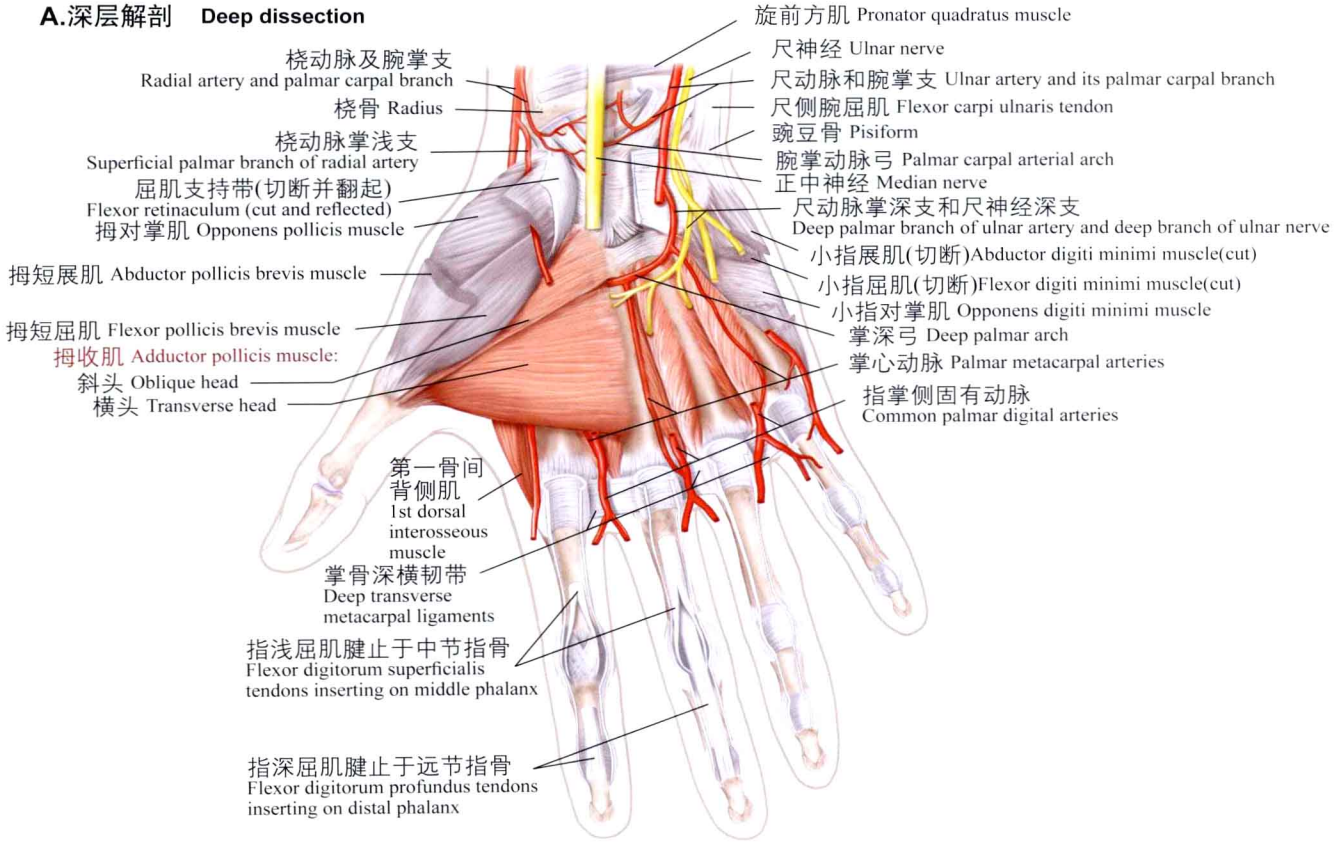
A.浅层解剖 superficial dissection



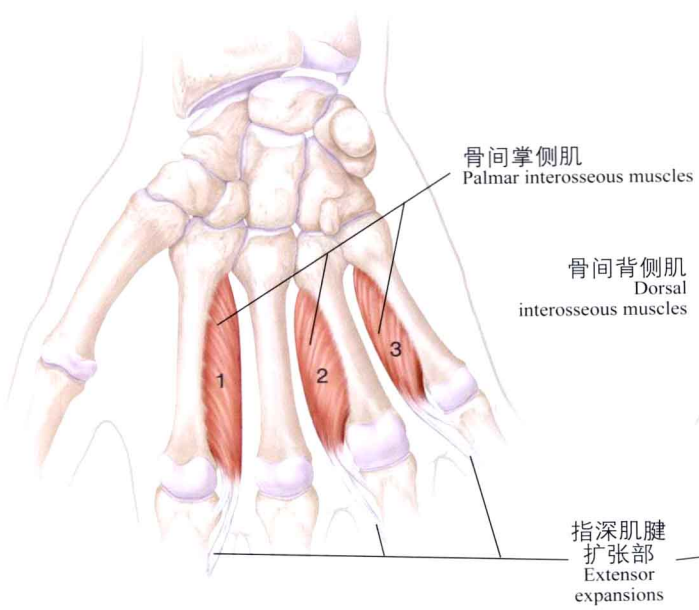
B.中层解剖 Intermediate dissection



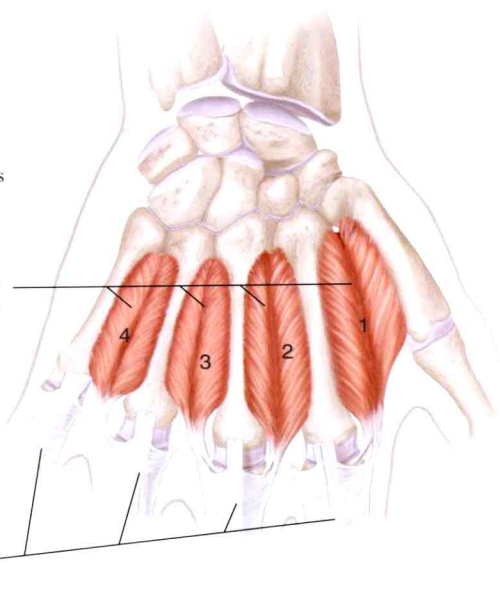
A.深层解剖 Deep dissection



B.骨间掌侧肌 Palmar interosseous muscles



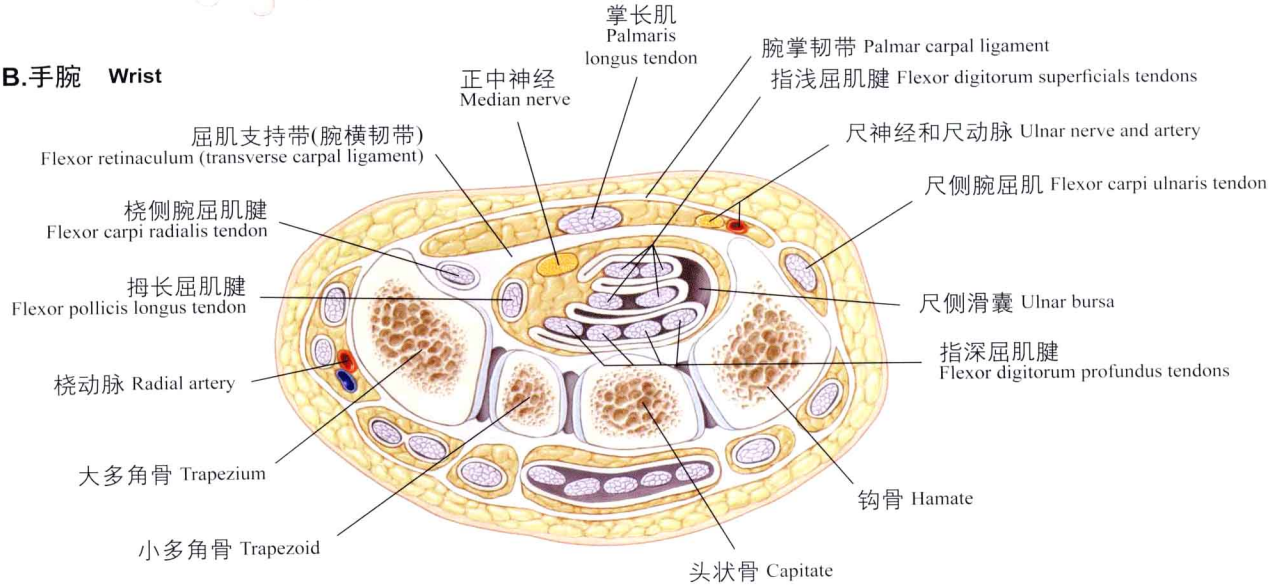
C.骨间背侧肌 Dorsal interosseous muscle



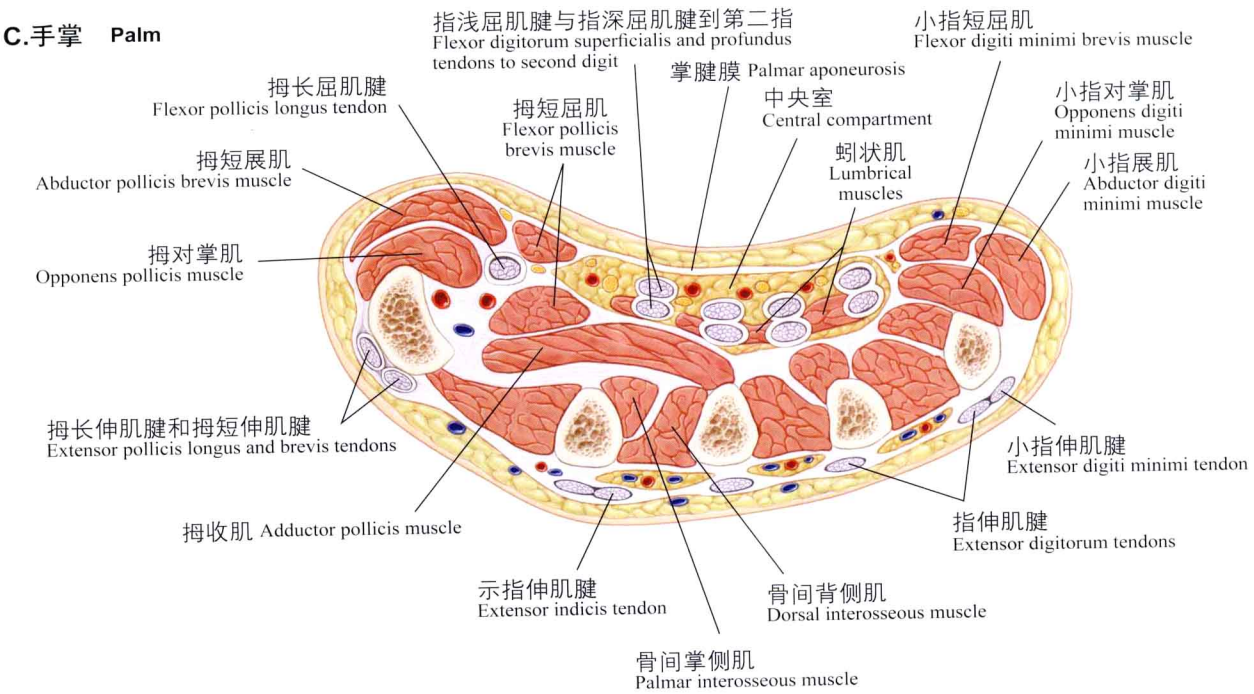
A.定位 Orientation



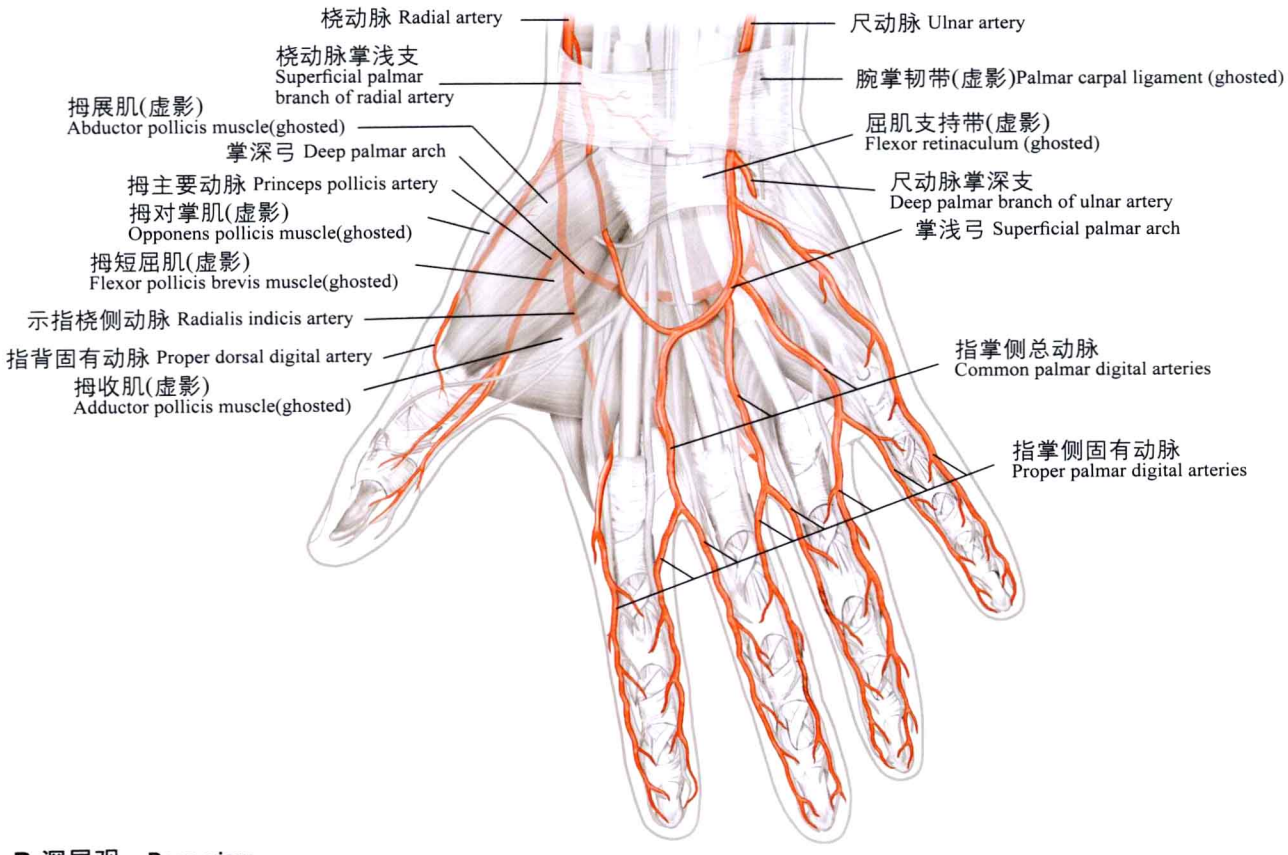
B.手腕 Wrist



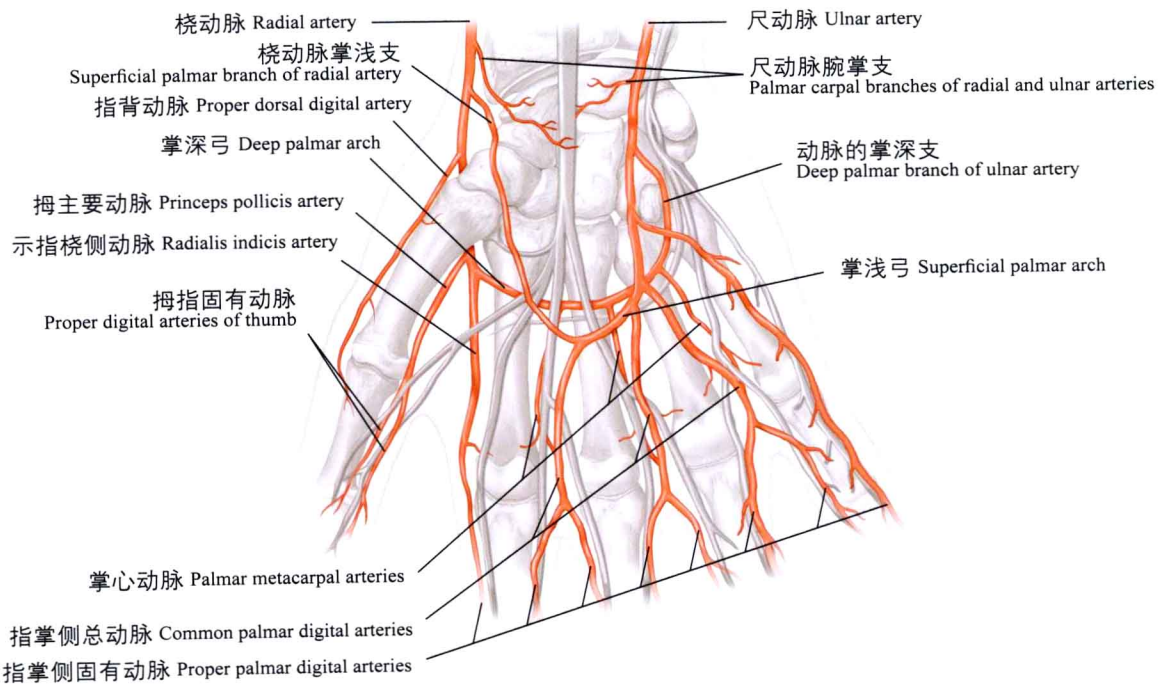
C.手掌 Palm



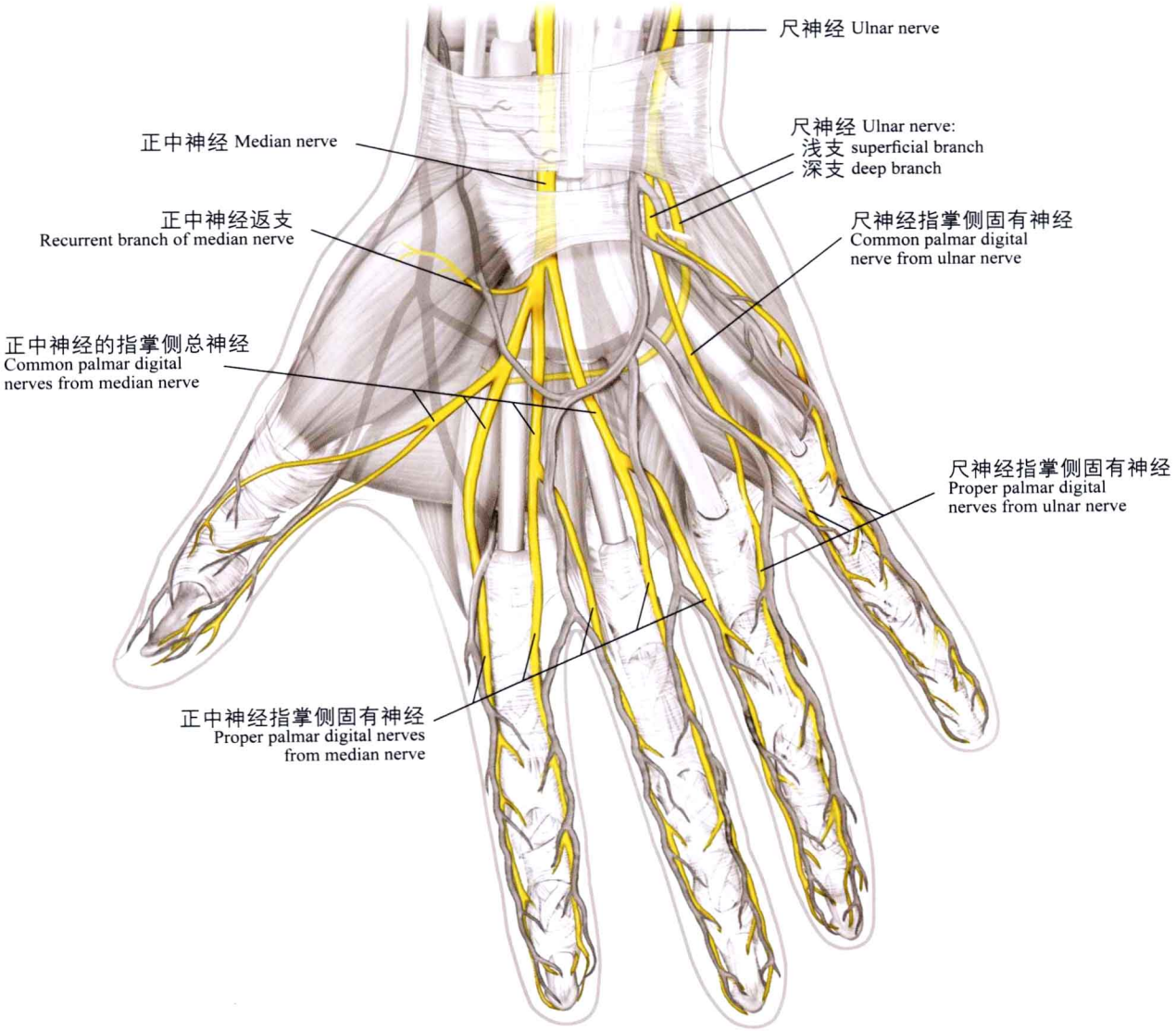
A.浅层观 Superficial view



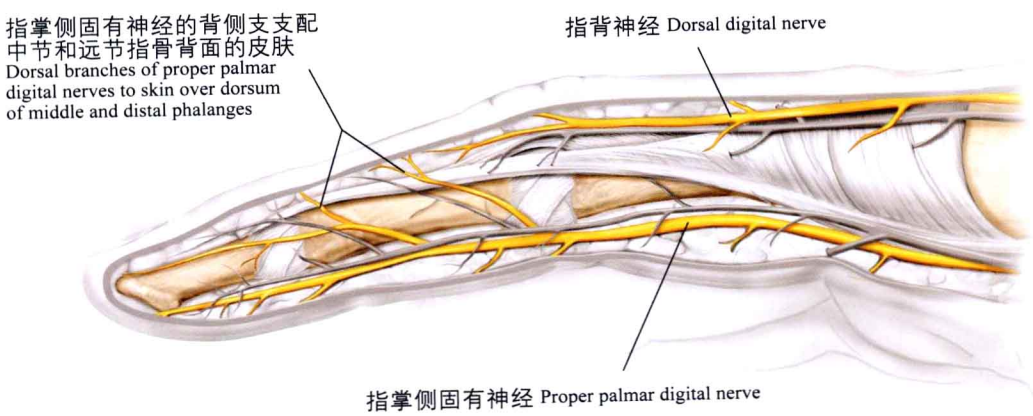
B.深层观 Deep view



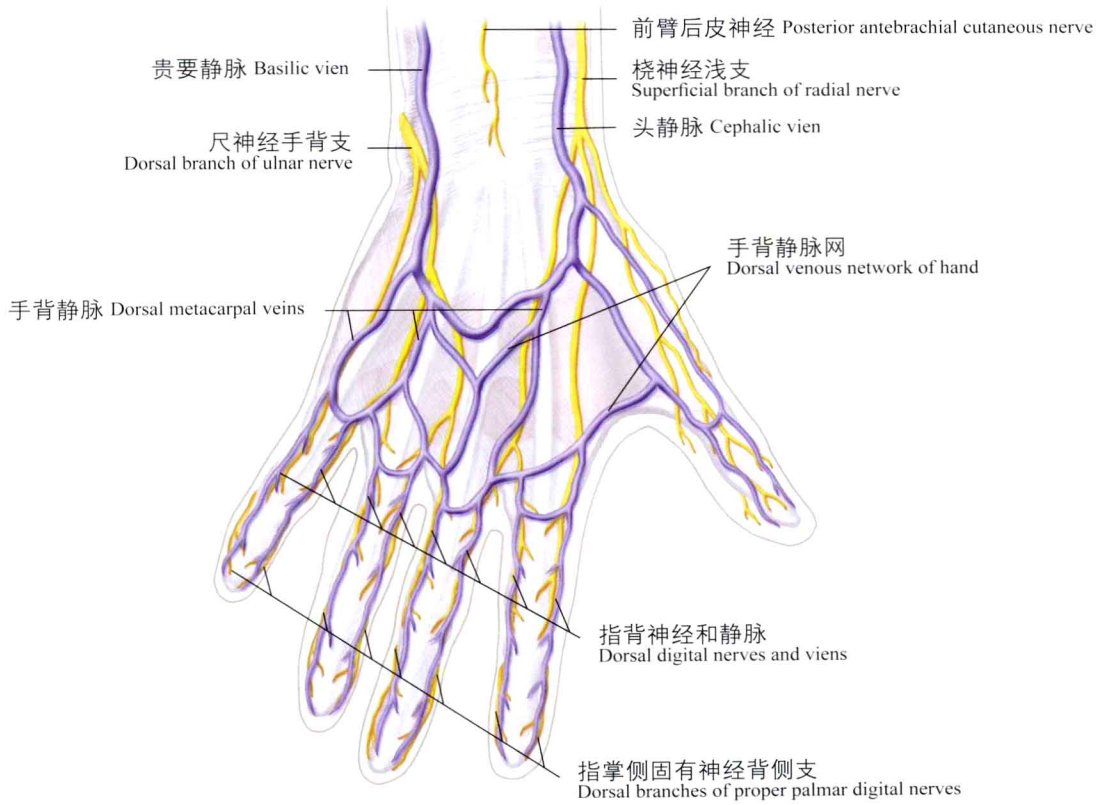
A.前面观 Anterior view



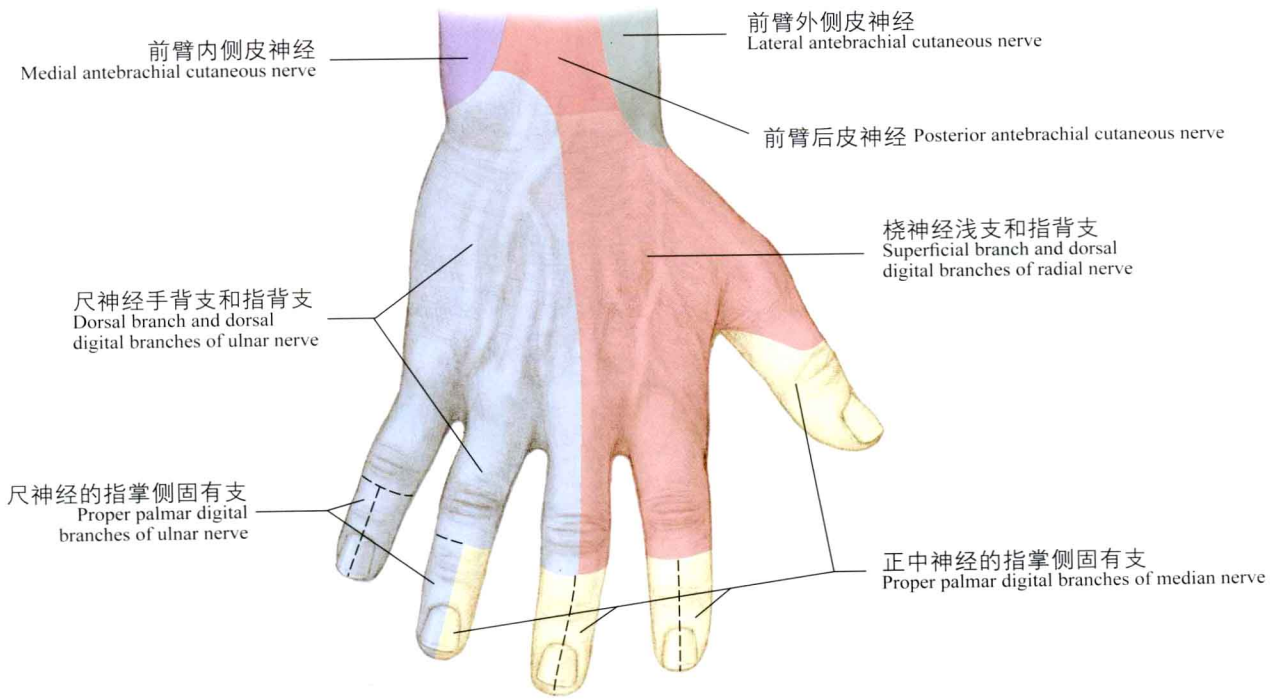
B.侧面观 Lateral view



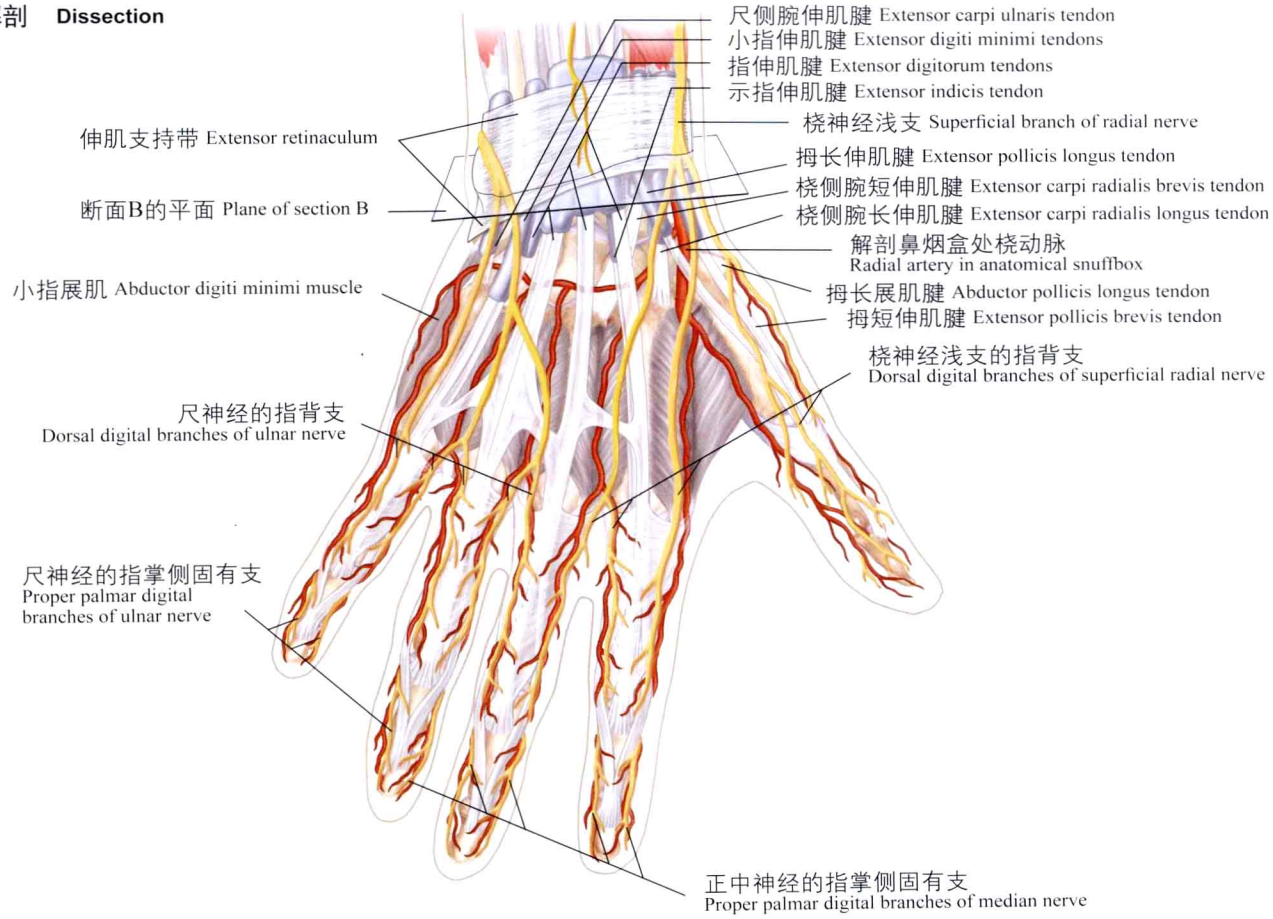
A.解剖 Dissection



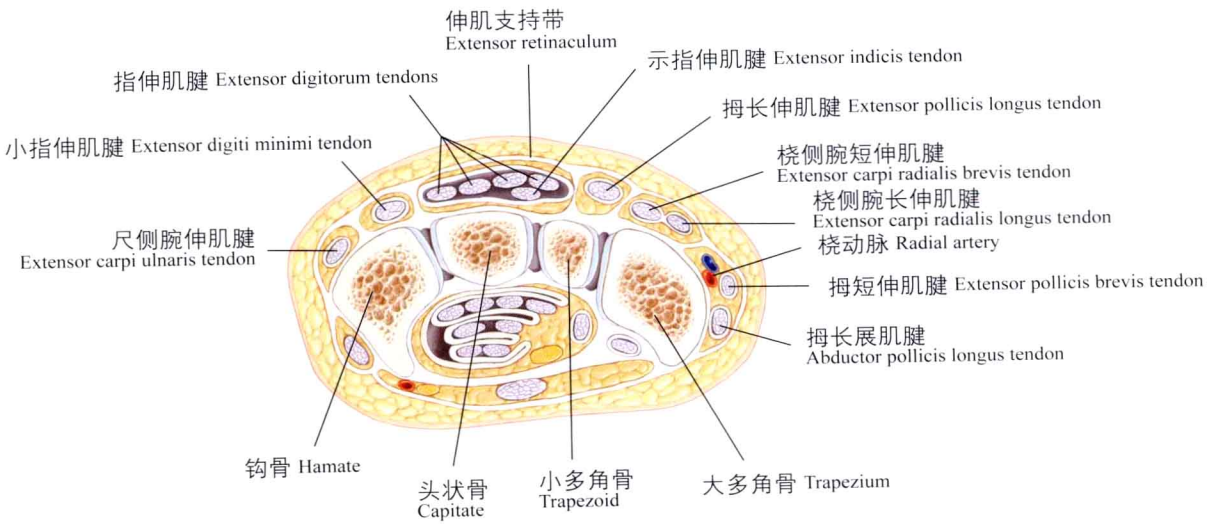
B.神经支配区域 Nerve territories



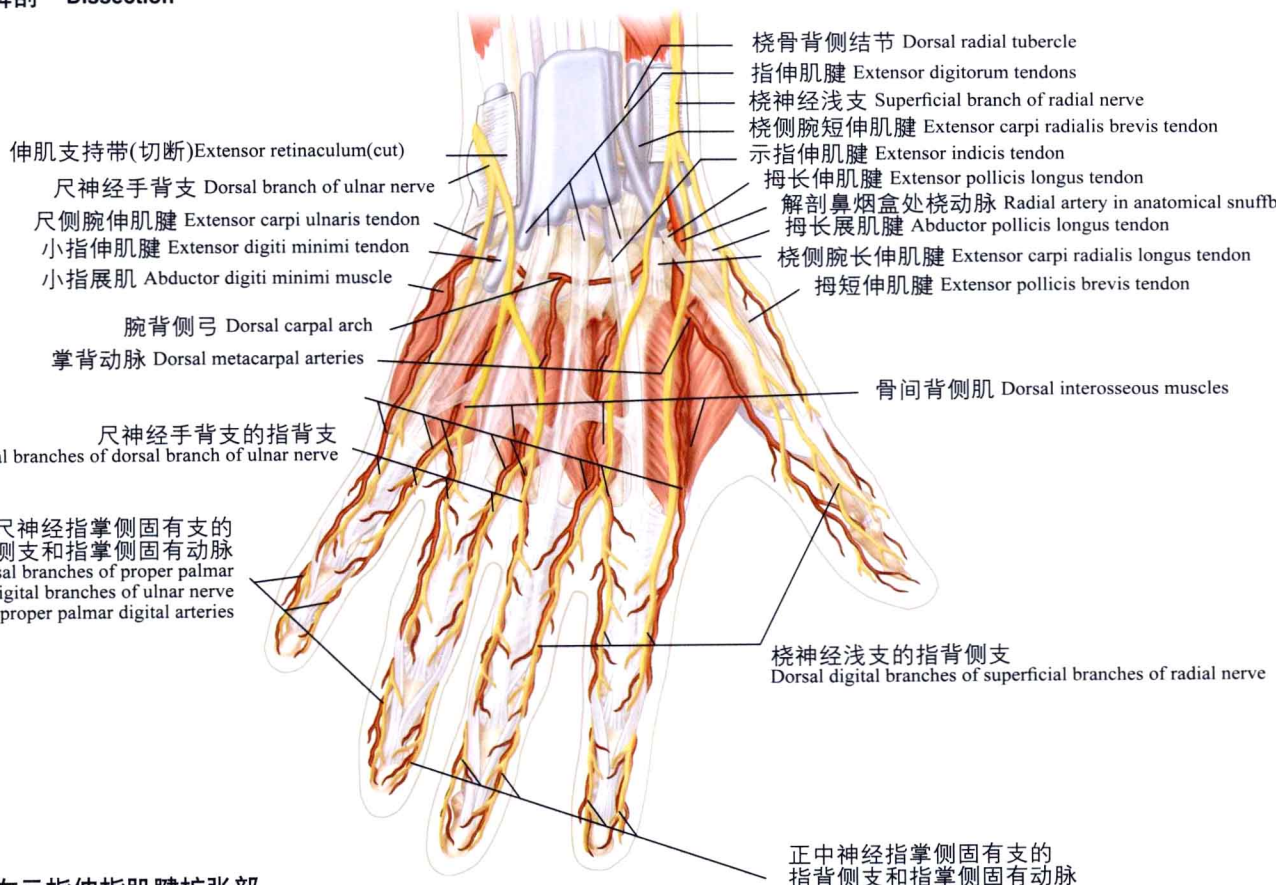
A.解剖 Dissection



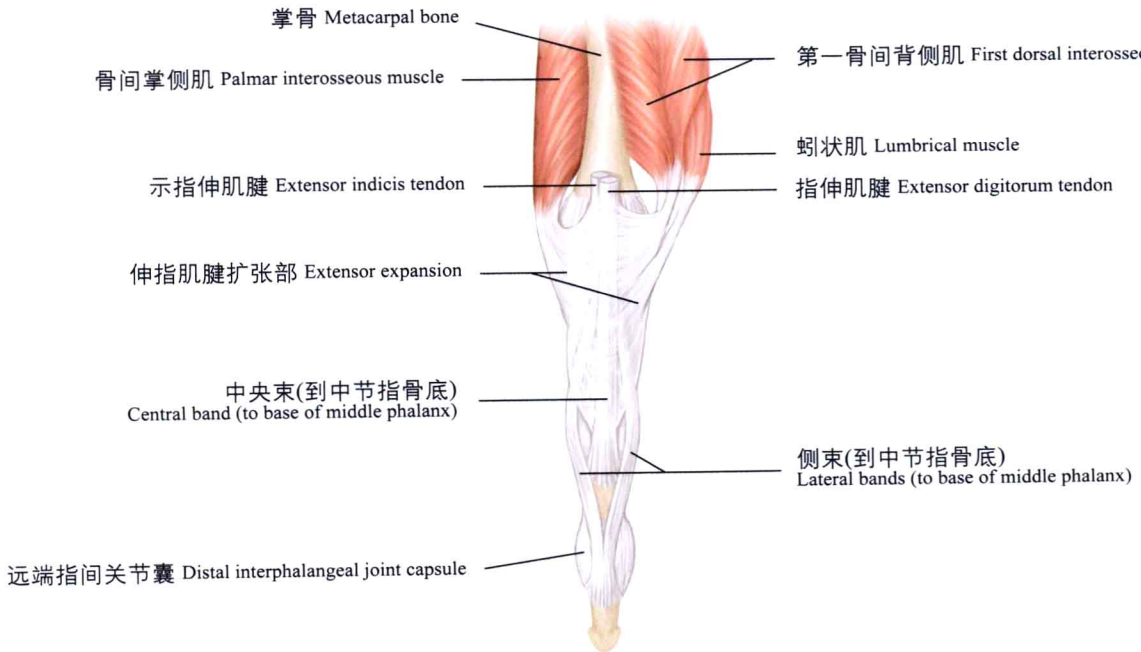
B.通过腕部的横截面 Cross section throngh the wrist



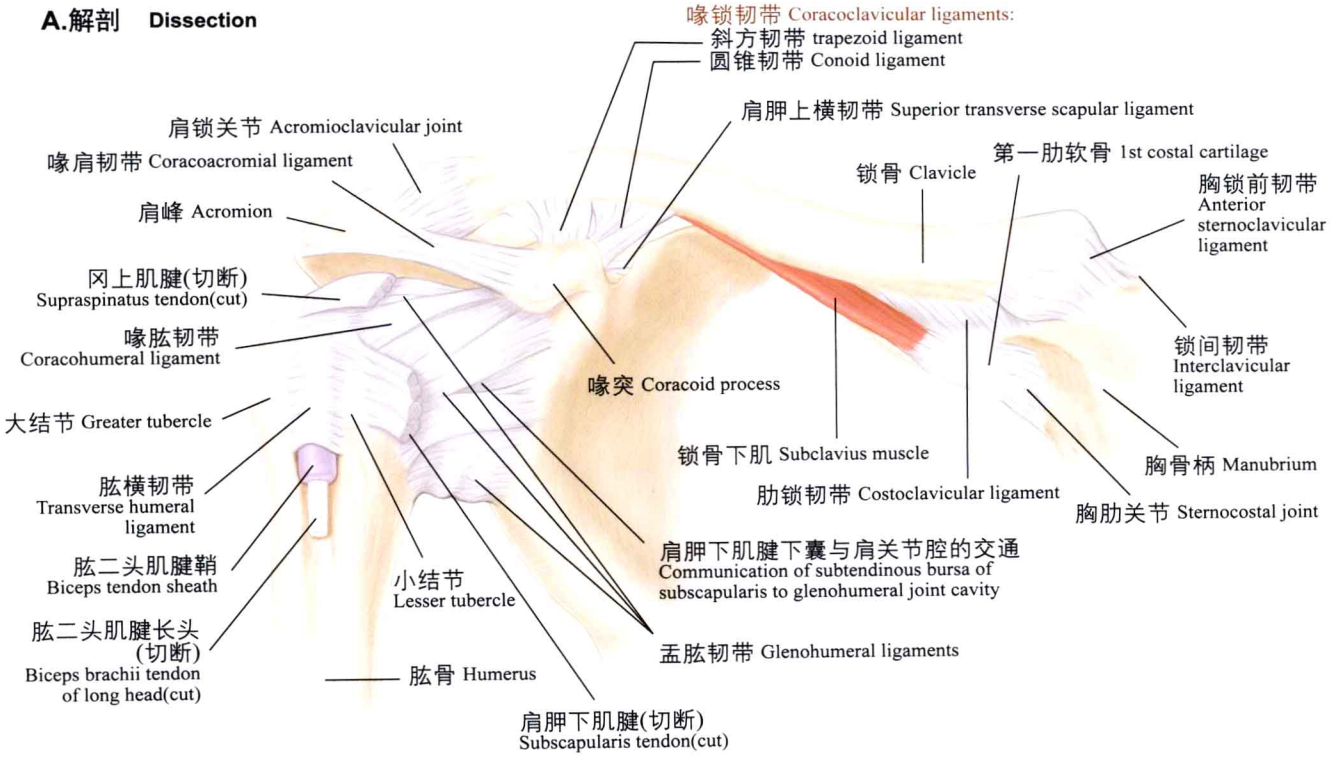
A.解剖 Dissection



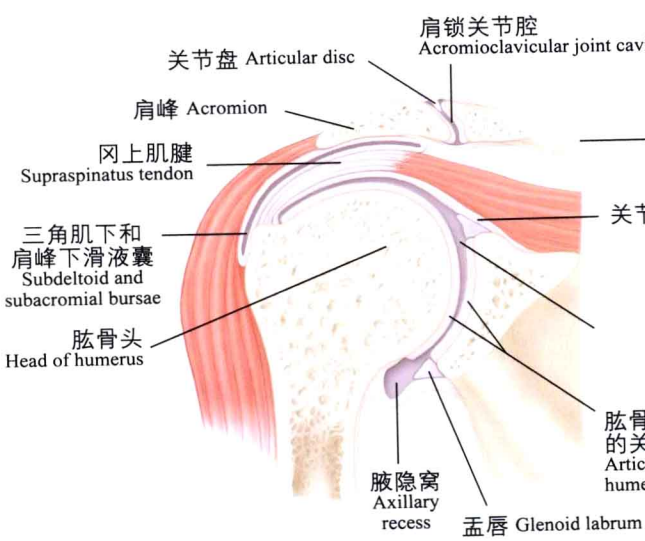
B.右示指伸指肌腱扩张部 Extensor expansion,right index finger



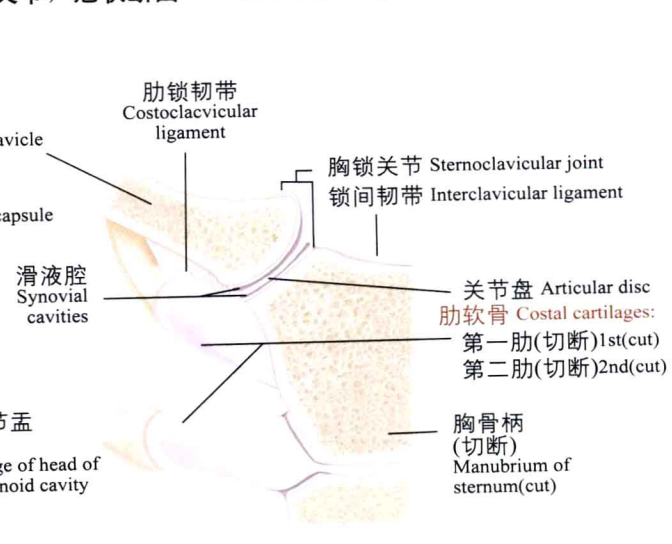
A.解剖 Dissection



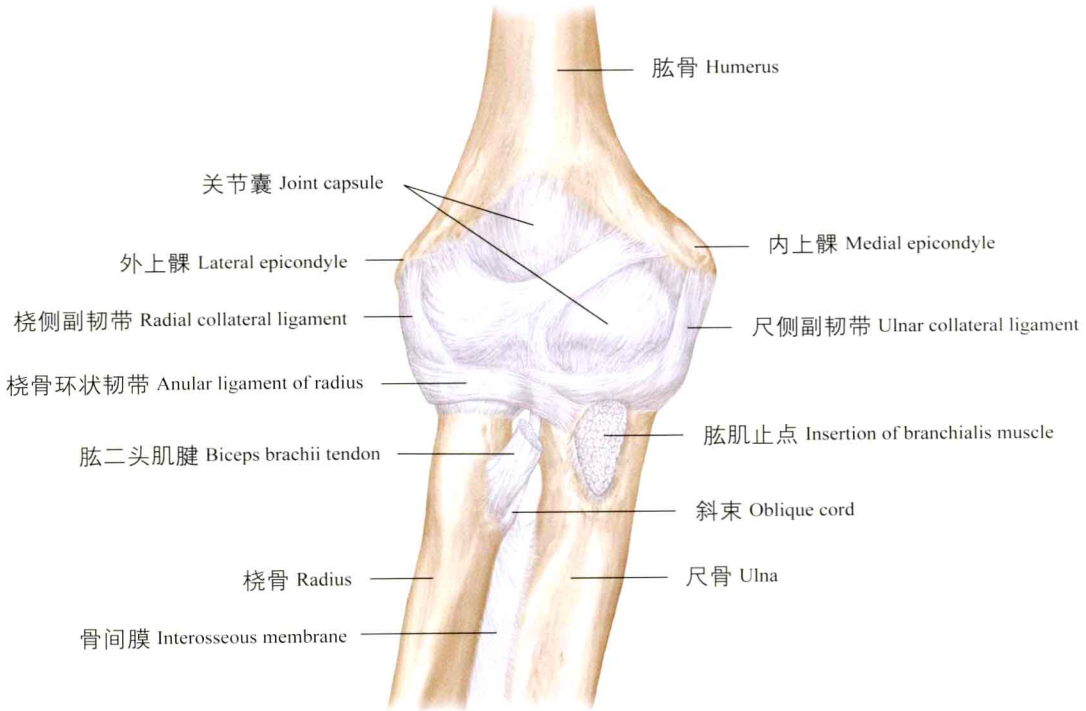
B.肩关节，冠状面 Shoulder joint, coronal section



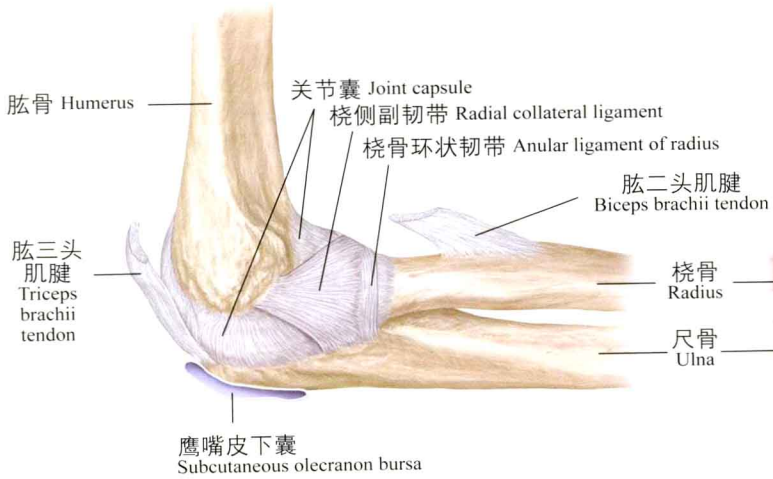
C.胸锁关节，冠状断面 Sternoclavicular joint,coronal section



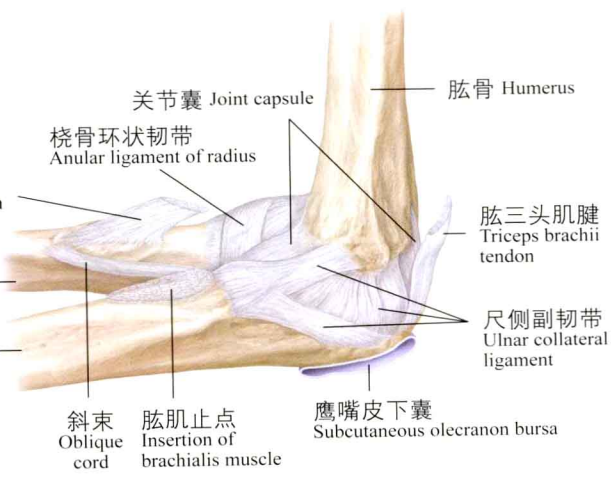
A.前面观 Anterior view



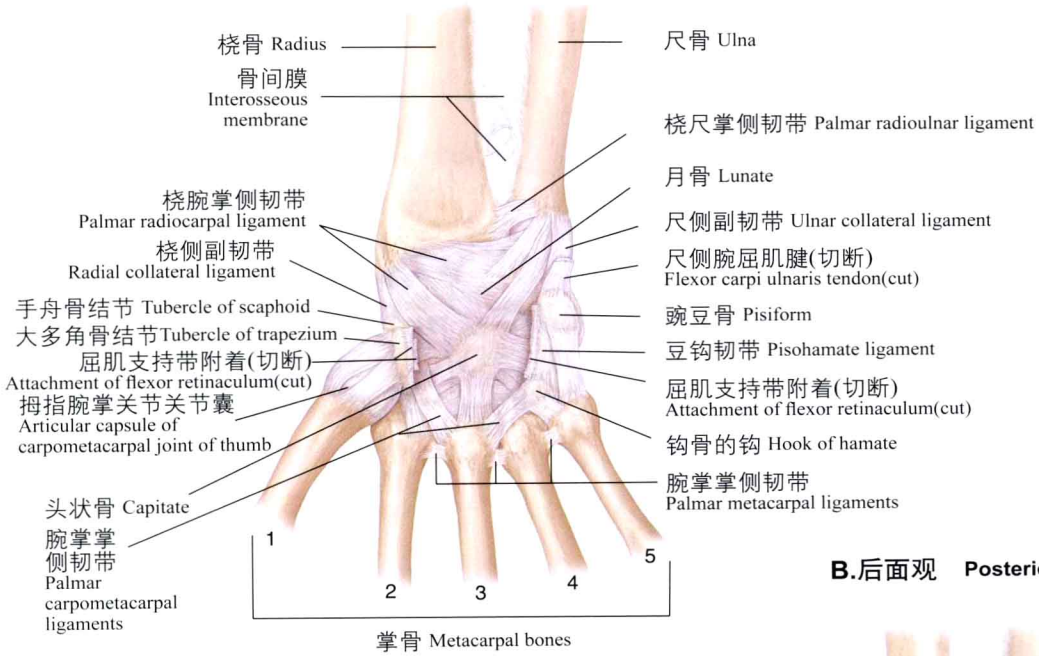
B.外侧观 Lateral view



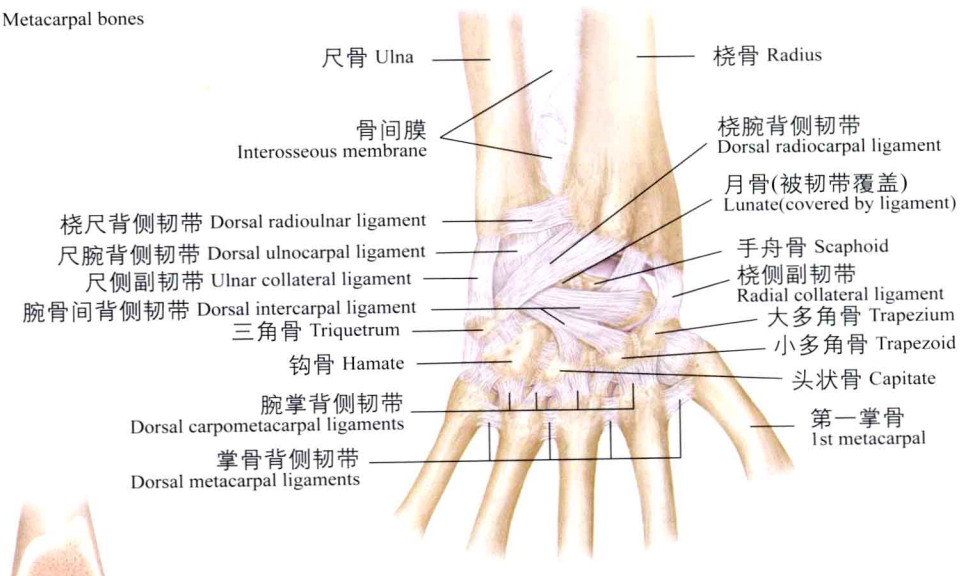
C.内侧观 Medial view



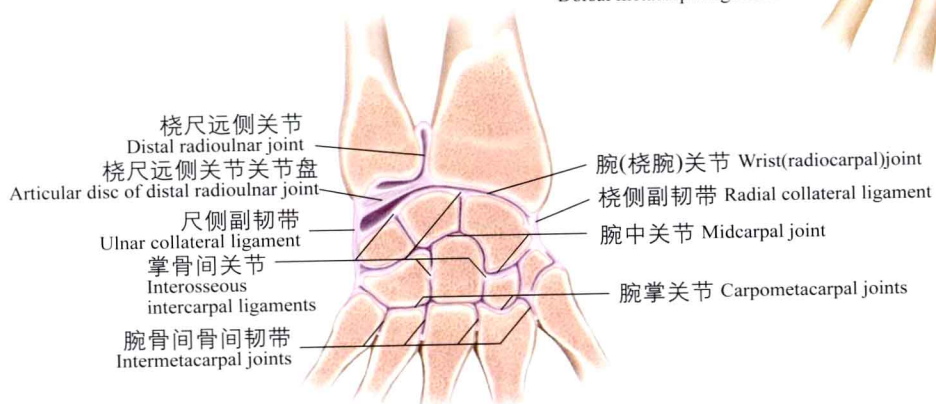
A.前面观 Anterior view



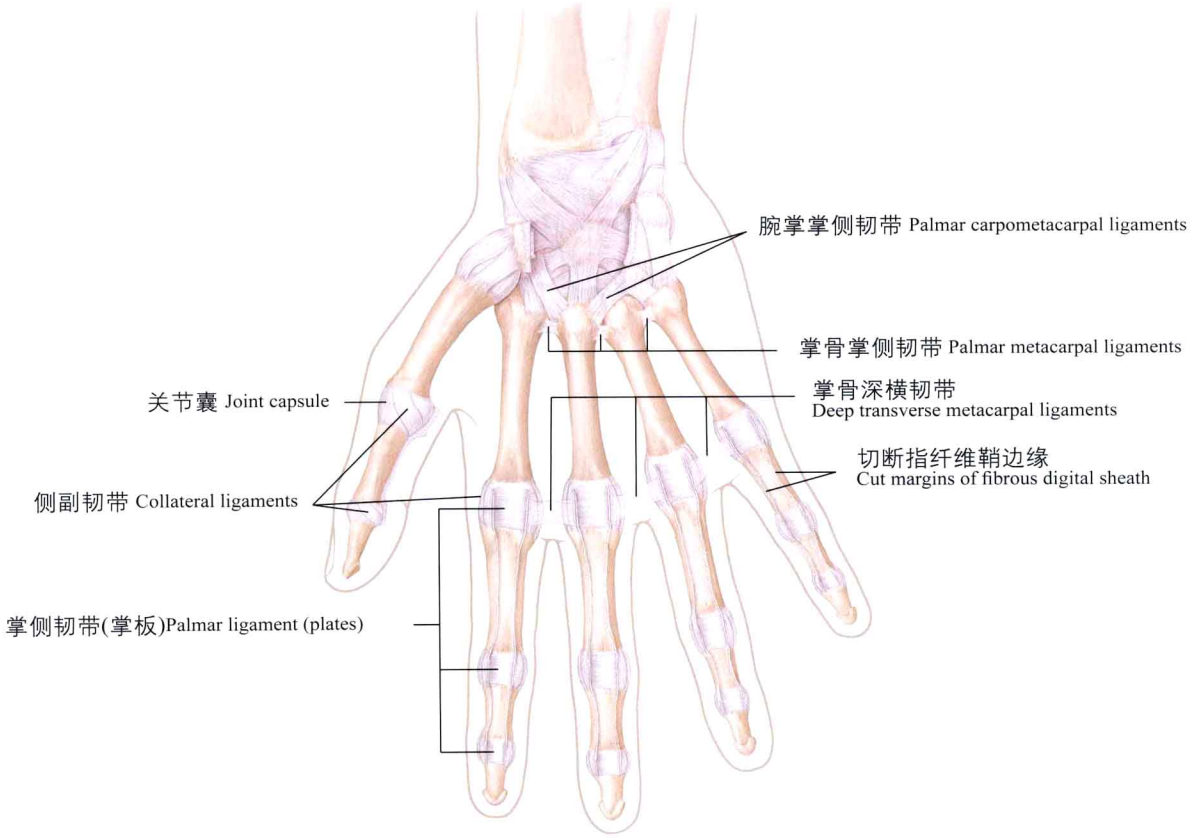
B.后面观 Posterior view



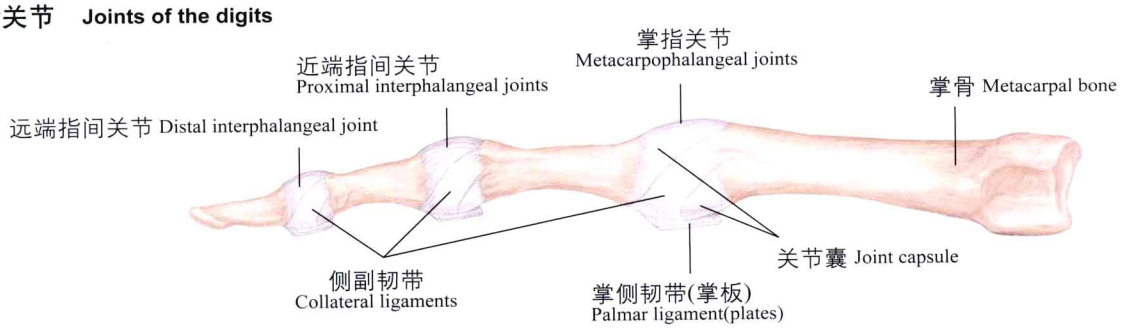
C.冠状断面，后面观
Coronal section,posterior view



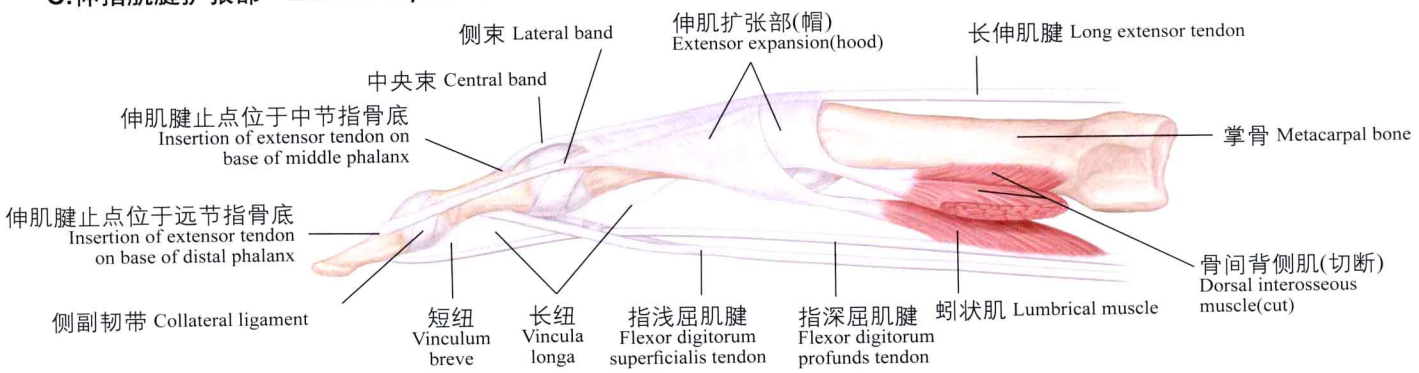
A.前面观 Anterior view

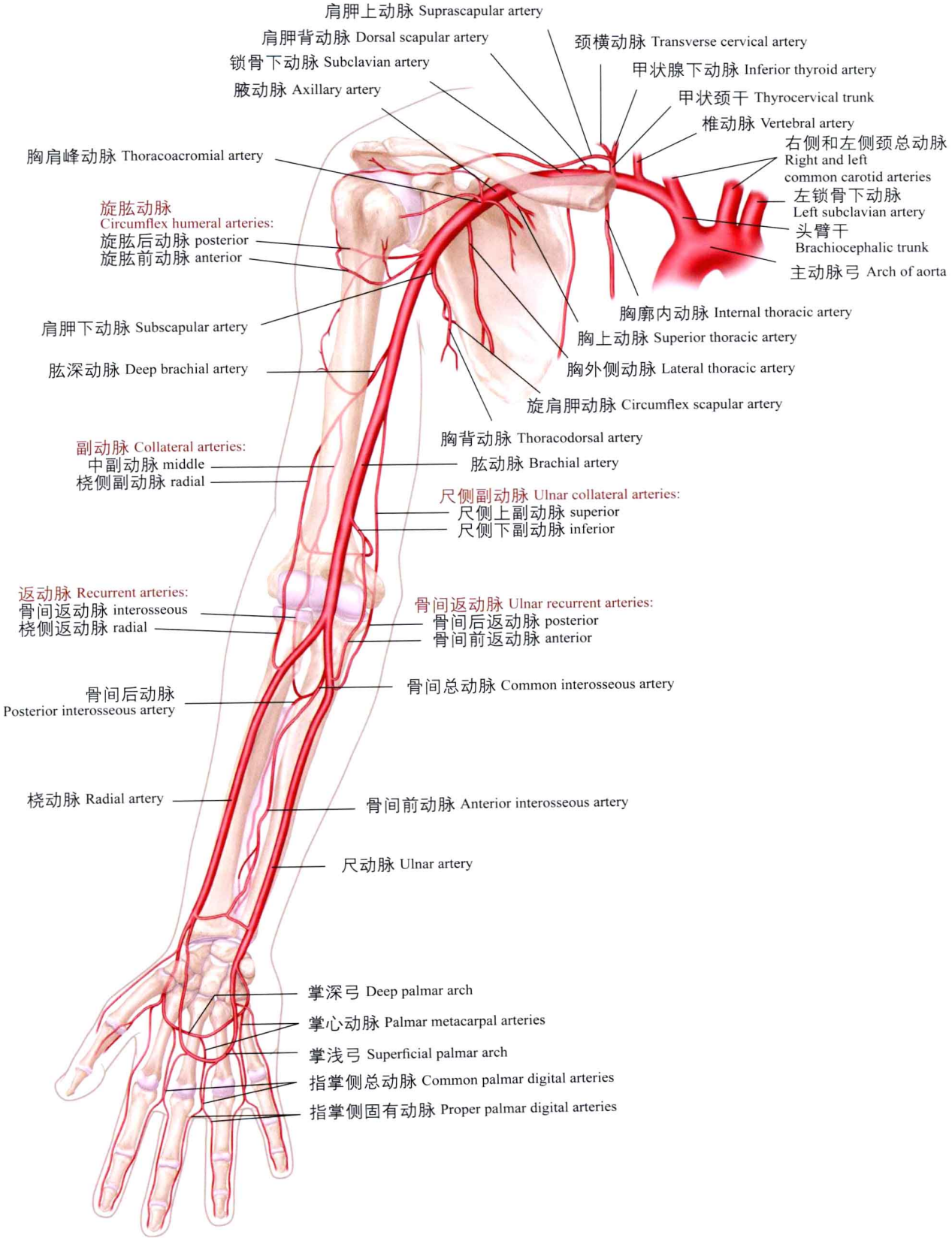


B.指关节 Joints of the digits

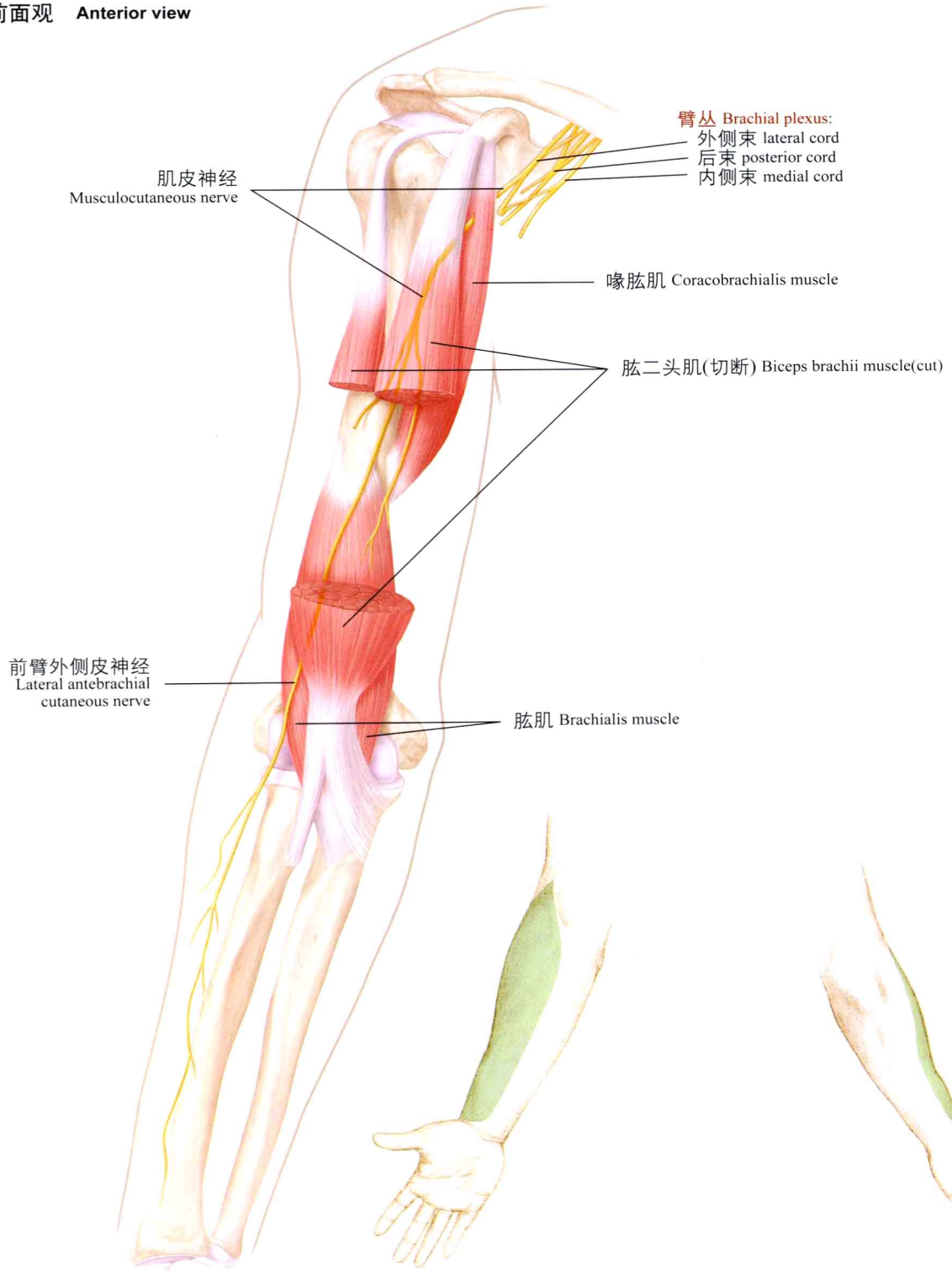


C.伸指肌腱扩张部 Extensor expansion




肩胛上动脉 Suprascapular artery
肩胛背动脉 Dorsal scapular artery
锁骨下动脉 Subclavian artery
腋动脉 Axillary artery
颈横动脉 Transverse cervical artery
甲状腺下动脉 Inferior thyroid artery
甲状颈干 Thyrocervical trunk
椎动脉 Vertebral artery
右侧和左侧颈总动脉 Right and left common carotid arteries
左锁骨下动脉 Left subclavian artery
头臂干 Brachiocephalic trunk
主动脉弓 Arch of aorta
胸肩峰动脉 Thoracoacromial artery
旋肱动脉 Circumflex humeral arteries:
旋肱后动脉 posterior
旋肱前动脉 anterior
肩胛下动脉 Subscapular artery
肱深动脉 Deep brachial artery
胸廓内动脉 Internal thoracic artery
胸上动脉 Superior thoracic artery
胸外侧动脉 Lateral thoracic artery
旋肩胛动脉 Circumflex scapular artery
胸背动脉 Thoracodorsal artery
副动脉 Collateral arteries:
中副动脉 middle
桡侧副动脉 radial
肱动脉 Brachial artery
尺侧副动脉 Ulnar collateral arteries:
尺侧上副动脉 superior
尺侧下副动脉 inferior
返动脉 Recurrent arteries:
骨间返动脉 interosseous
桡侧返动脉 radial
骨间返动脉 Ulnar recurrent arteries:
骨间后返动脉 posterior
骨间前返动脉 anterior
骨间后动脉 Posterior interosseous artery
骨间总动脉 Common interosseous artery
桡动脉 Radial artery
骨间前动脉 Anterior interosseous artery
尺动脉 Ulnar artery
掌深弓 Deep palmar arch
掌心动脉 Palmar metacarpal arteries
掌浅弓 Superficial palmar arch
指掌侧总动脉 Common palmar digital arteries
指掌侧固有动脉 Proper palmar digital arteries

A.前面观 Anterior view



B.皮肤的分布，前面观
Cutaneous distribution,anterior view

C.皮肤的分布，后面观
Cutaneous distribution,posterior view

A.前面观 Anterior view

臂丛 Brachial plexus:
内侧束 medial cord
后束 posterior cord
外侧束 lateral cord

正中神经
Median nerve(C5～8，T1)

旋前圆肌(虚影)
Pronator teres muscle(ghosted)

指浅屈肌(切断与虚影)
Flexor digitorum superficialis muscle (cut and ghosted)

桡侧腕屈肌(切断)
Flexor carpi radialis muscle(cut)

掌长肌(切断)
Palmaris longus muscle(cut)

骨间前神经
Anterior interosseous nerve

拇长屈肌
Flexor pollicis longus muscle

旋前方肌
Pronator quadratus muscle

指深屈肌(外侧由正中神经支配，内侧由尺神经支配)
Flexor digitorum profundus muscle (lateral part supplied by median nerve, medial part by ulnar nerve)

正中神经掌支
Palmar branch of median nerve

拇短展肌
Abductor pollicis brevis muscle

拇对掌肌
Opponens pollicis muscle

拇短屈肌
Flexor pollicis brevis muscle

正中神经返支
Recurrent branch of median nerve

指掌侧总神经
Common palmar digital nerves

第一和第二蚓状肌
1st and 2nd lumbrical muscle

指掌侧固有神经
Proper palmar digital nerves

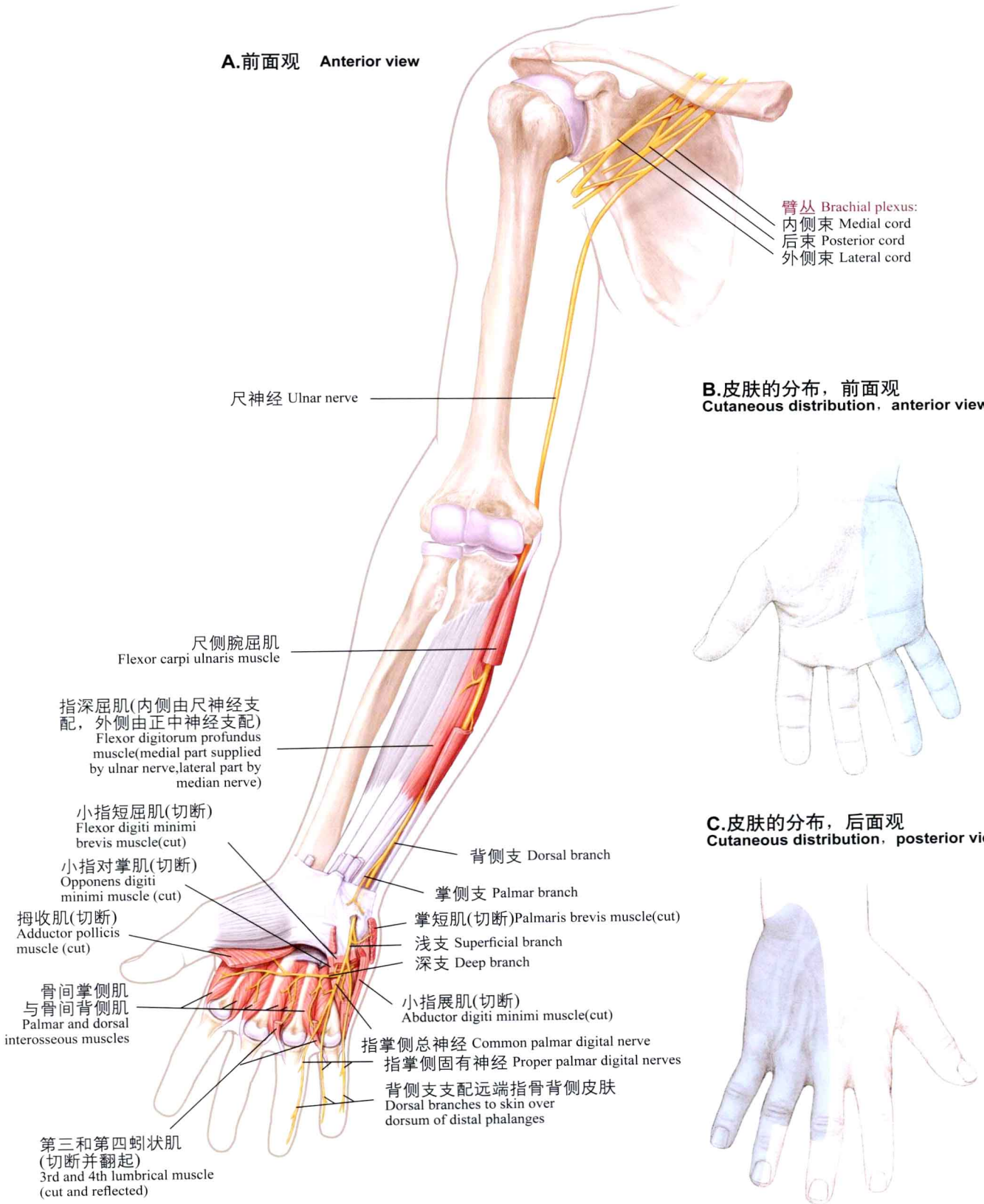
背侧支支配远端指骨背侧皮肤
Dorsal branches to skin over dorsum of distal phalanges

B.皮肤的分布，前面观
Cutaneous distribution,anterior view

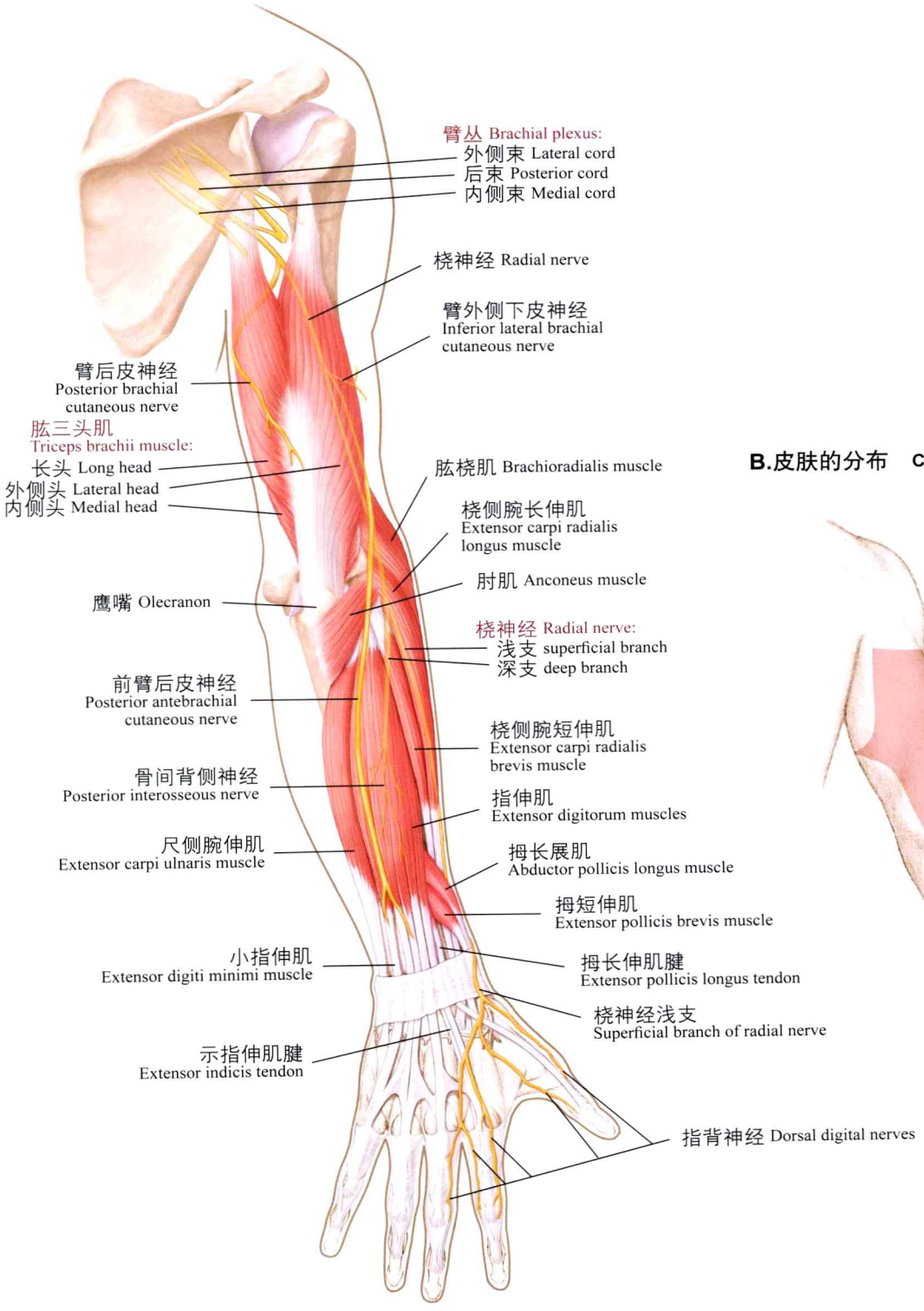


C.皮肤的分布，后面观
Cutaneous distribution,posterior view




A.前面观 Anterior view
臂丛 Brachial plexus:
内侧束 Medial cord
后束 Posterior cord
外侧束 Lateral cord
尺神经 Ulnar nerve
尺侧腕屈肌
Flexor carpi ulnaris muscle
指深屈肌(内侧由尺神经支配，外侧由正中神经支配)
Flexor digitorum profundus muscle(medial part supplied by ulnar nerve,lateral part by median nerve)
小指短屈肌(切断)
Flexor digiti minimi brevis muscle(cut)
小指对掌肌(切断)
Opponens digiti minimi muscle (cut)
拇收肌(切断)
Adductor pollicis muscle (cut)
骨间掌侧肌
与骨间背侧肌
Palmar and dorsal interosseous muscles
第三和第四蚓状肌
(切断并翻起)
3rd and 4th lumbrical muscle (cut and reflected)
背侧支 Dorsal branch
掌侧支 Palmar branch
掌短肌(切断)Palmaris brevis muscle(cut)
浅支 Superficial branch
深支 Deep branch
小指展肌(切断)
Abductor digiti minimi muscle(cut)
指掌侧总神经 Common palmar digital nerve
指掌侧固有神经 Proper palmar digital nerves
背侧支支配远端指骨背侧皮肤
Dorsal branches to skin over dorsum of distal phalanges
B.皮肤的分布，前面观
Cutaneous distribution，anterior view
C.皮肤的分布，后面观
Cutaneous distribution，posterior view

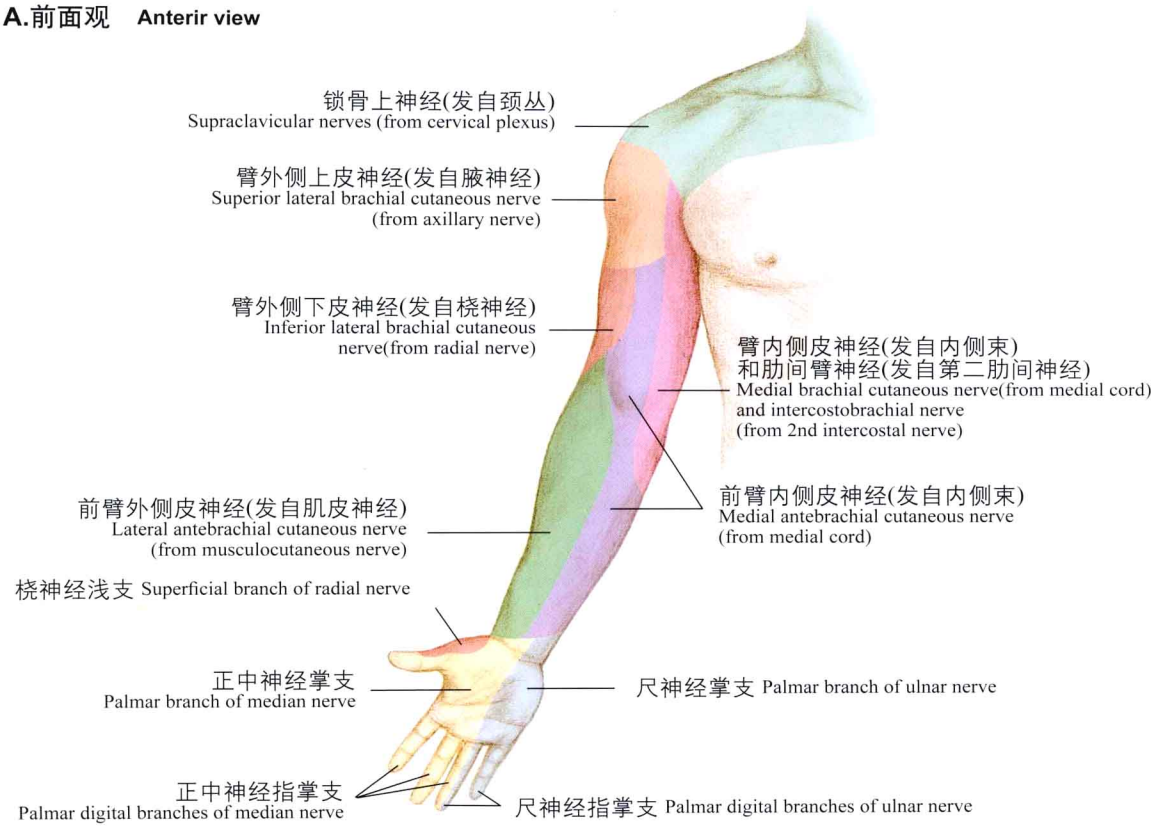
A.后面观 Posterior view



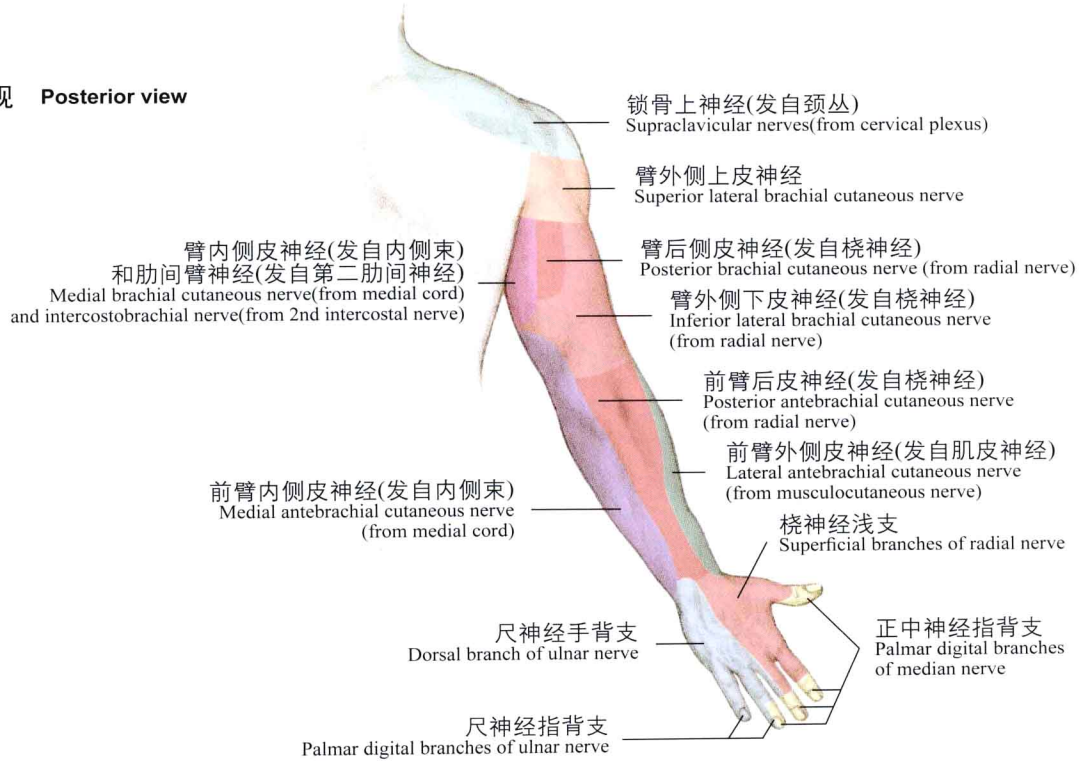
B.皮肤的分布 Cutaneous distribution



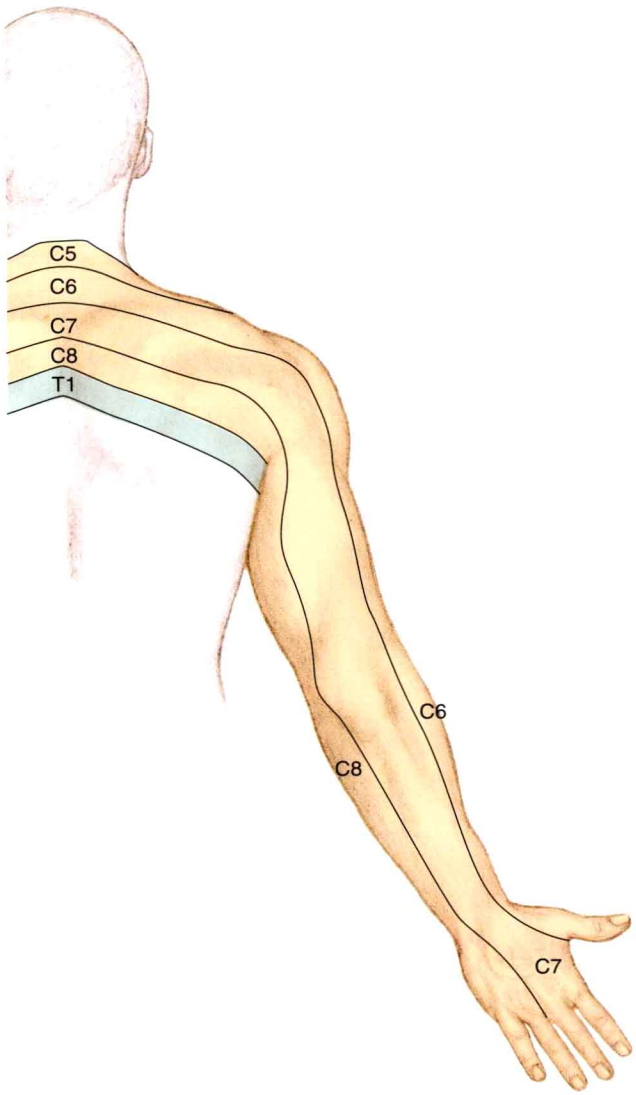
A.前面观 Anterir view



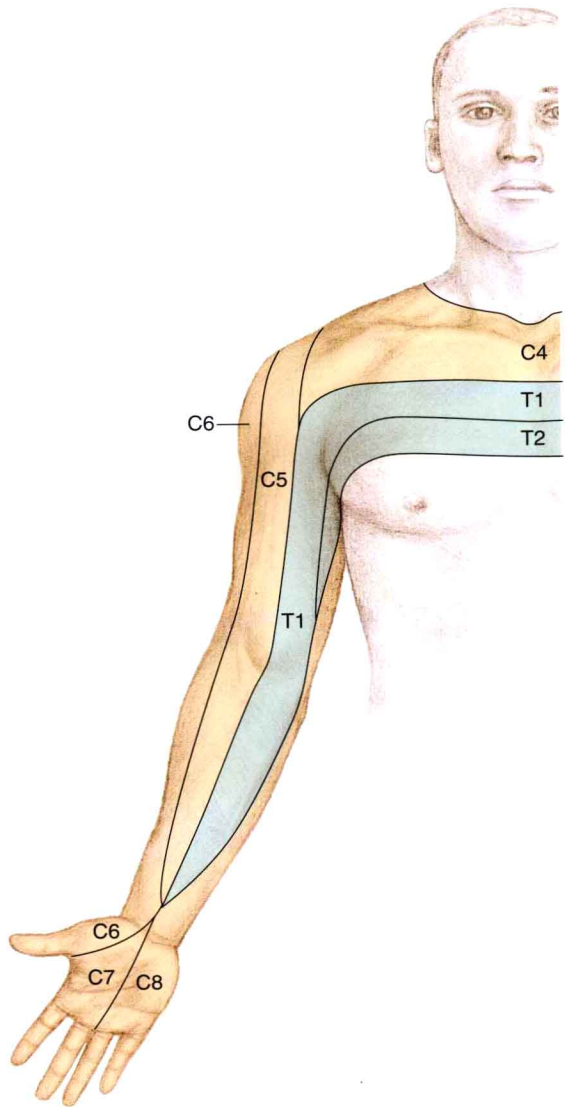
B.后面观 Posterior view

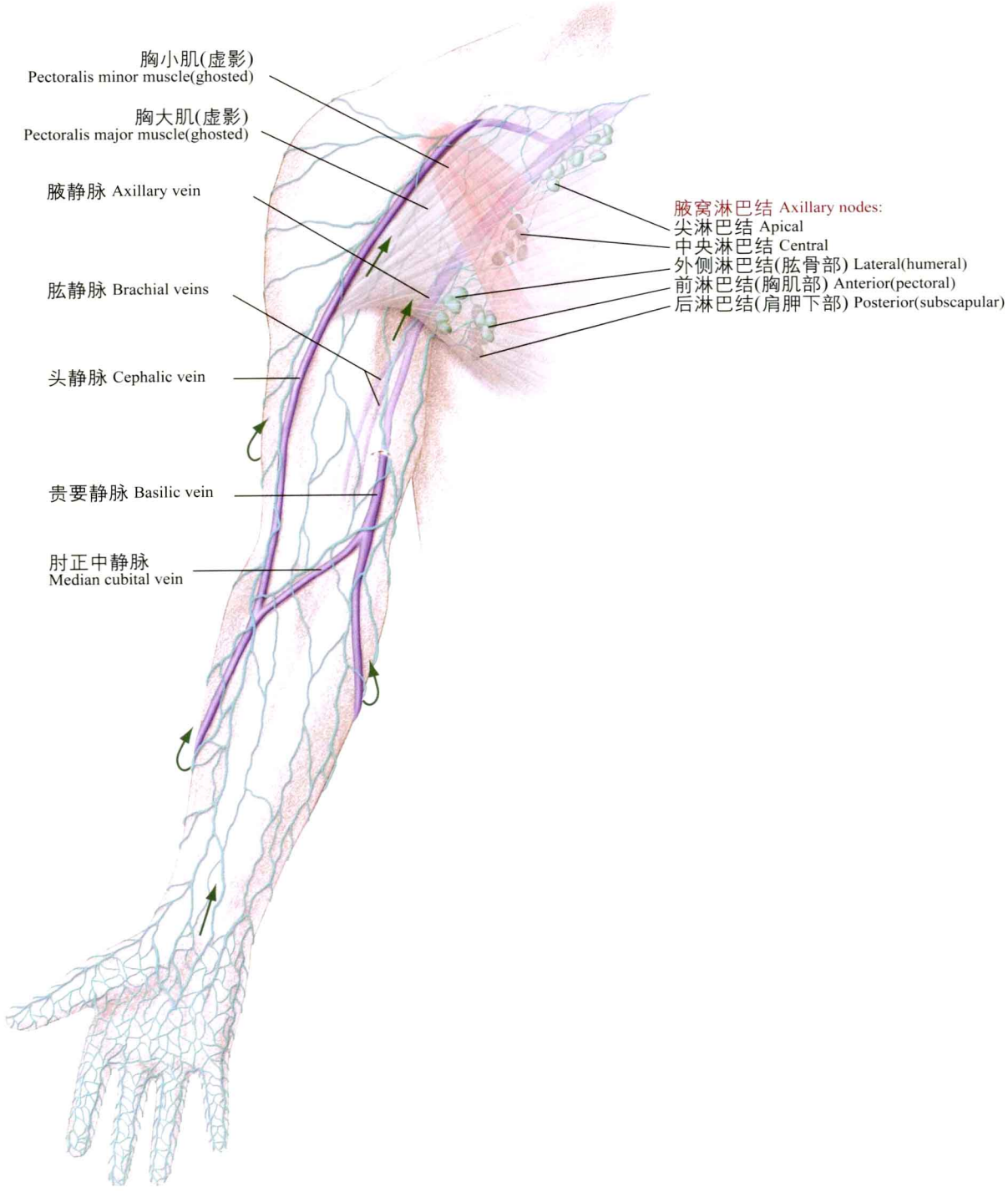


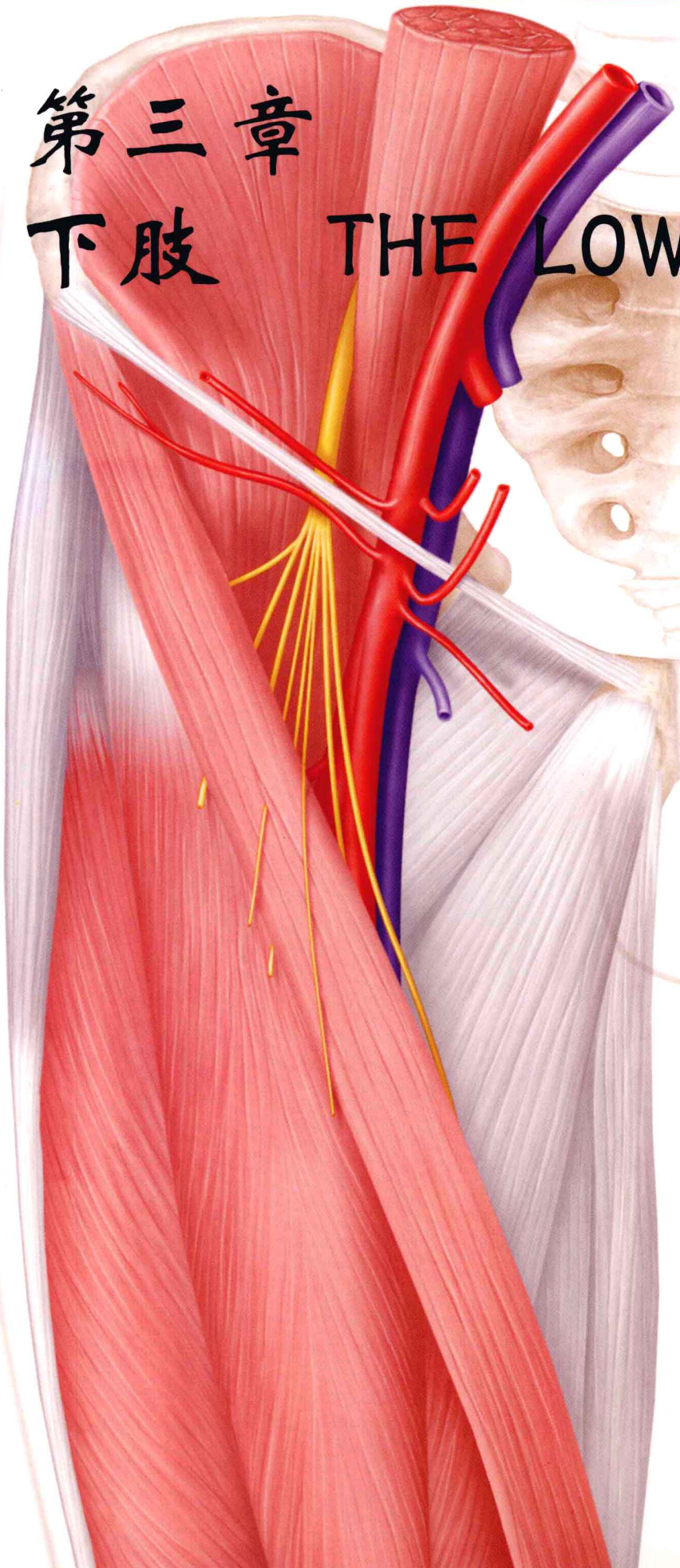
A.后面观 Posterior view



B.前面观 Anterior view




胸小肌(虚影)
Pectoralis minor muscle(ghosted)
胸大肌(虚影)
Pectoralis major muscle(ghosted)
腋静脉 Axillary vein
肱静脉 Brachial veins
头静脉 Cephalic vein
贵要静脉 Basilic vein
肘正中静脉
Median cubital vein
腋窝淋巴结 Axillary nodes:
尖淋巴结 Apical
中央淋巴结 Central
外侧淋巴结(肱骨部) Lateral(humeral)
前淋巴结(胸肌部) Anterior(pectoral)
后淋巴结(肩胛下部) Posterior(subscapular)



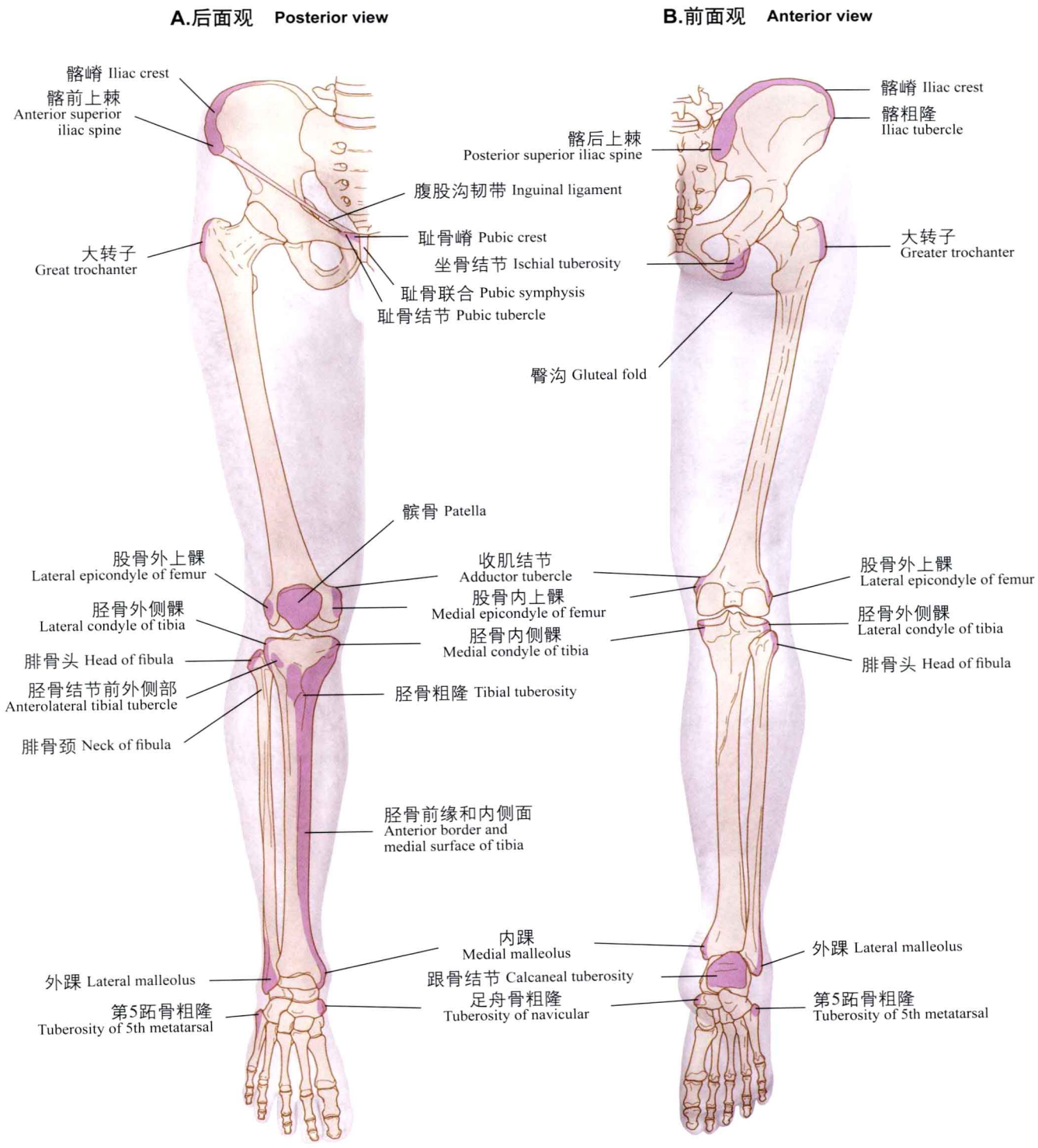
第三章

下肢 THE LOWER LIMB

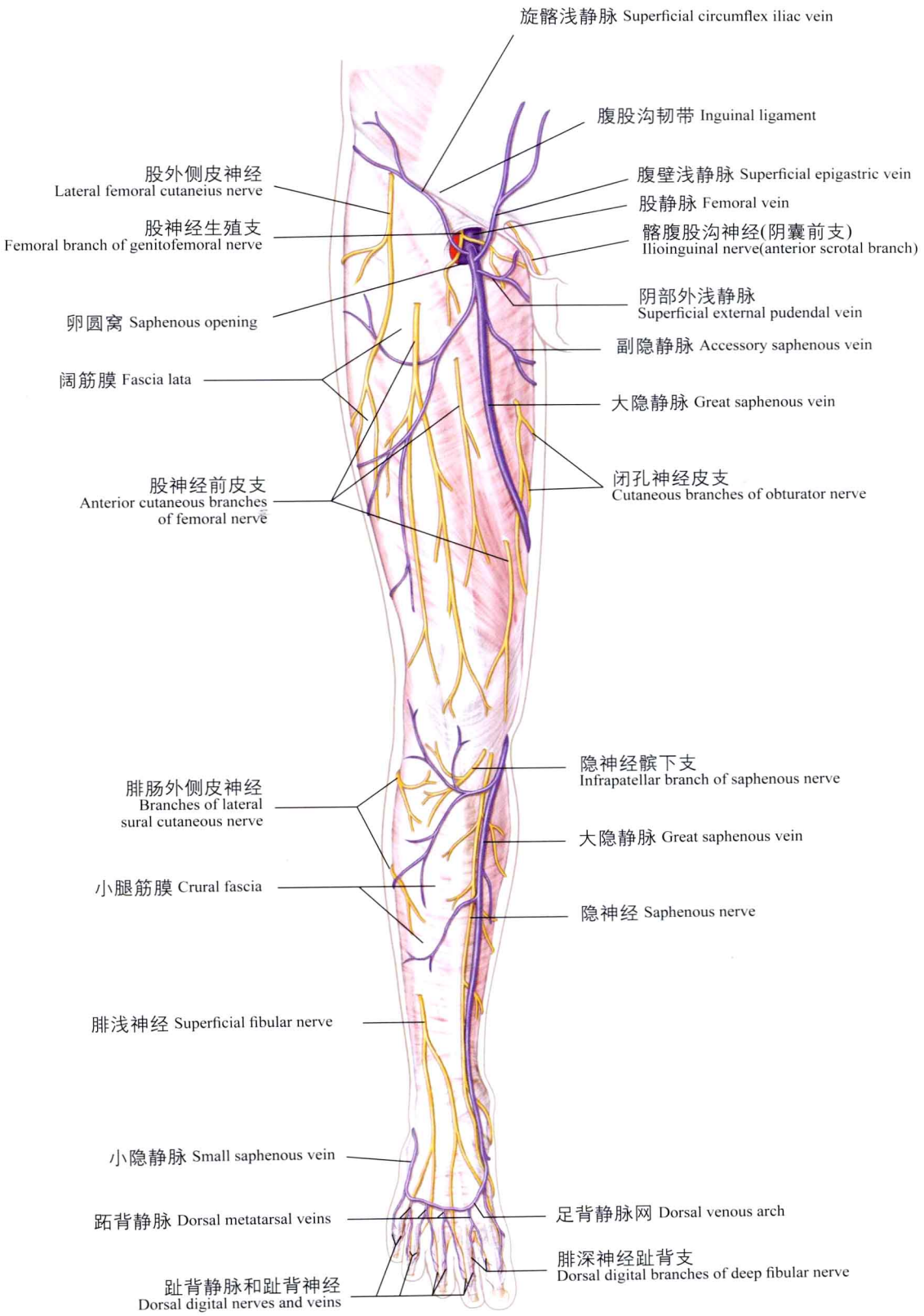
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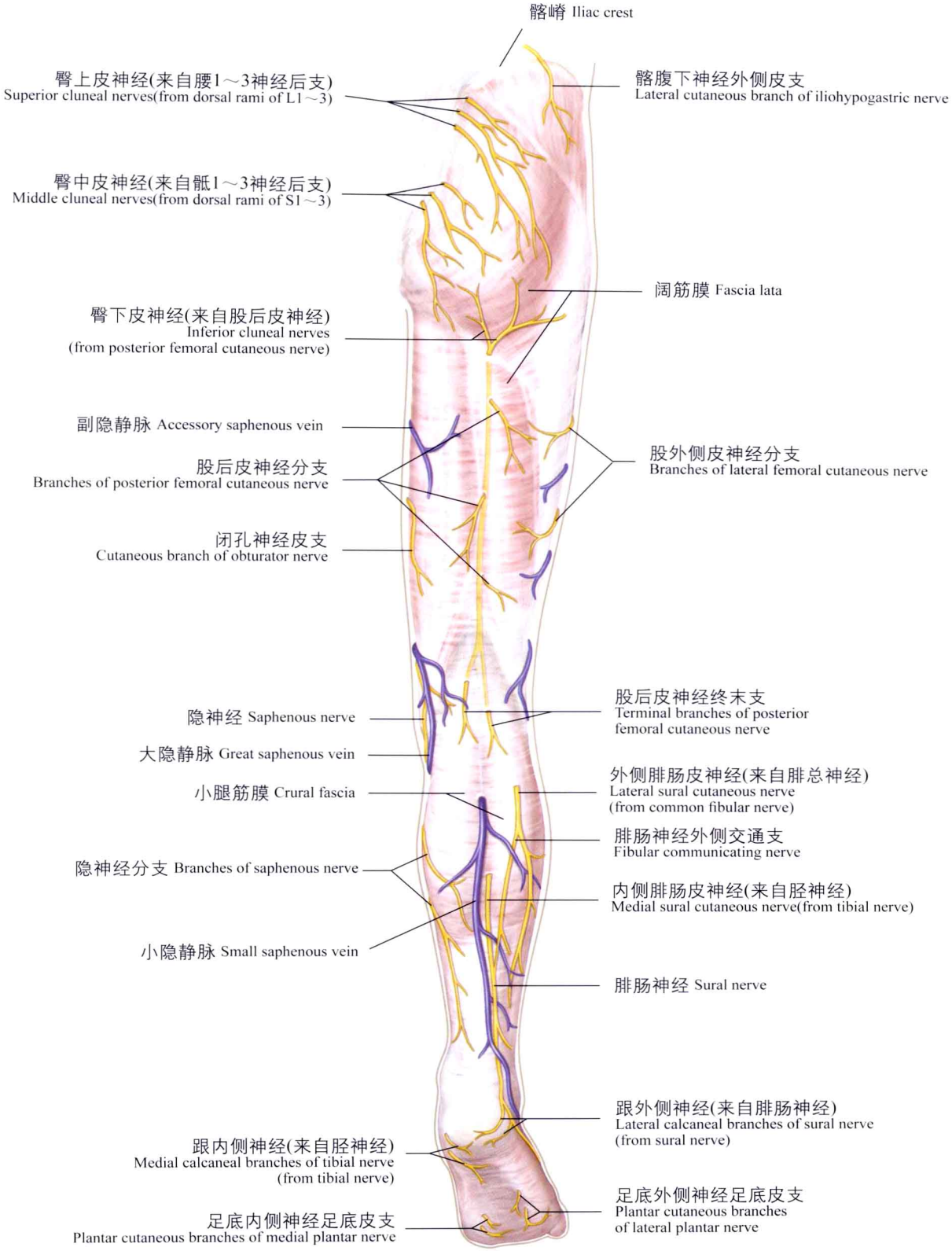
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图3-68 下肢皮神经分布
Cutaneous innervation of the lower limb …… 154
图3-69 下肢皮区 Dermatomes of the lower limb …… 155
图3-70 下肢淋巴系统 Lymphatics of the lower limb …… 156

可触及的骨性结构
Palpable bony structures

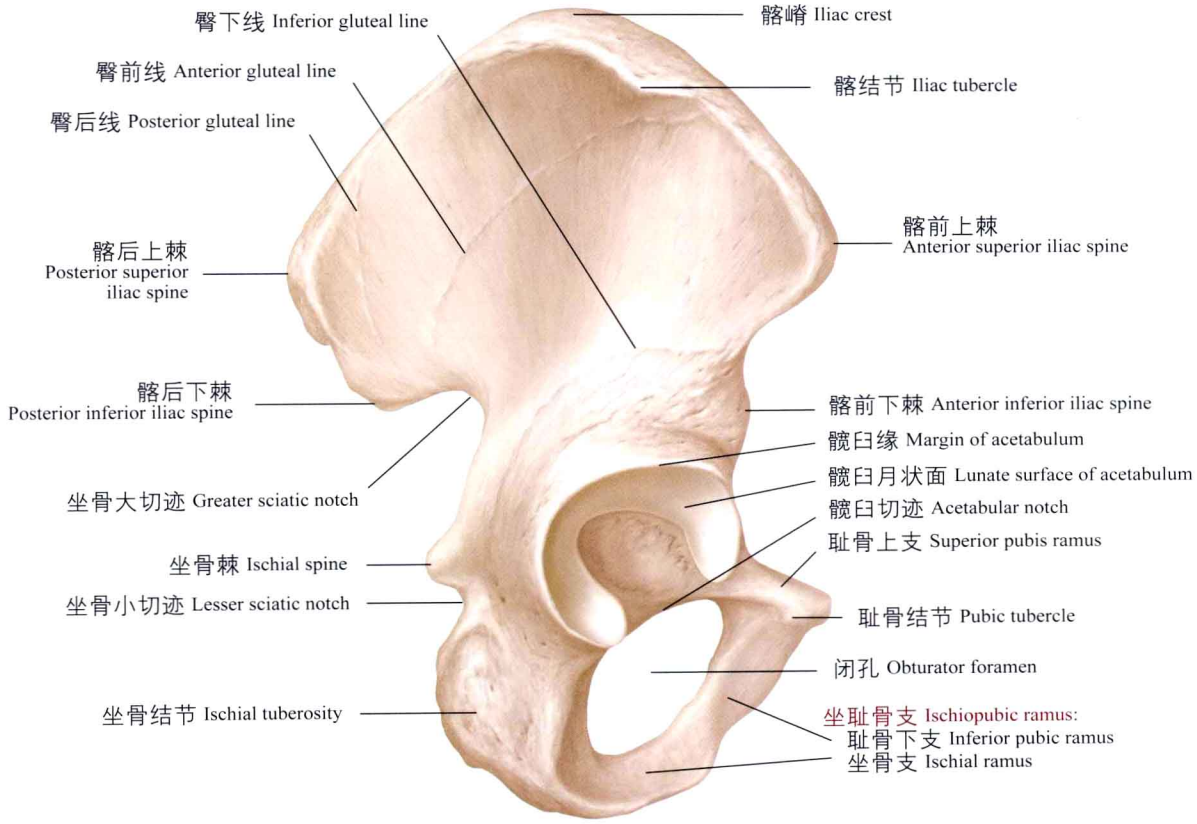


下肢皮神经及浅静脉，前面观
Cutaneous Nerves and Superficial Veins of the Lower Limb, Anterior View

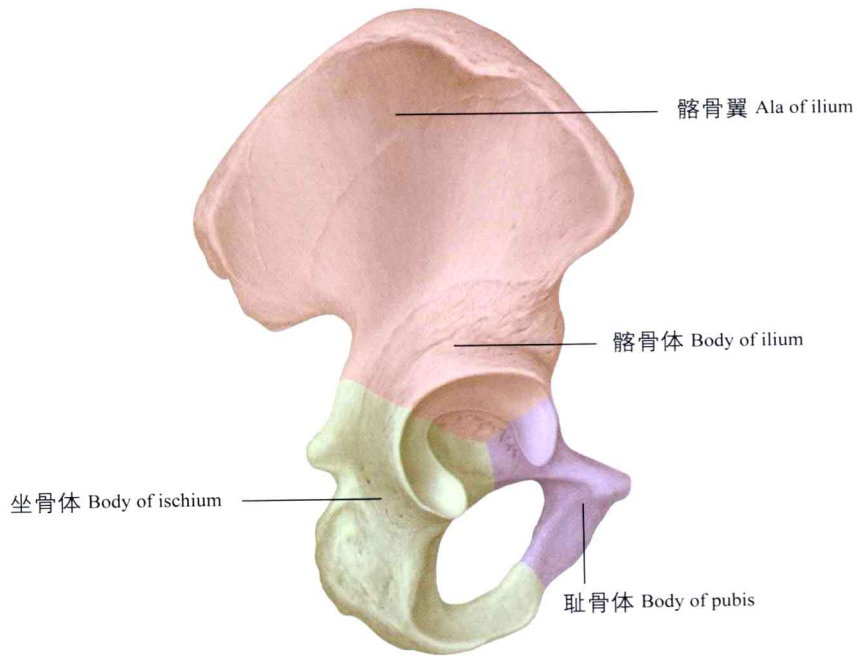



髂嵴 Iliac crest
臀上皮神经(来自腰1～3神经后支)
Superior cluneal nerves(from dorsal rami of L1～3)
臀中皮神经(来自骶1～3神经后支)
Middle cluneal nerves(from dorsal rami of S1～3)
臀下皮神经(来自股后皮神经)
Inferior cluneal nerves
(from posterior femoral cutaneous nerve)
副隐静脉 Accessory saphenous vein
股后皮神经分支
Branches of posterior femoral cutaneous nerve
闭孔神经皮支
Cutaneous branch of obturator nerve
隐神经 Saphenous nerve
大隐静脉 Great saphenous vein
小腿筋膜 Crural fascia
隐神经分支 Branches of saphenous nerve
小隐静脉 Small saphenous vein
跟内侧神经(来自胫神经)
Medial calcaneal branches of tibial nerve
(from tibial nerve)
足底内侧神经足底皮支
Plantar cutaneous branches of medial plantar nerve
髂腹下神经外侧皮支
Lateral cutaneous branch of iliohypogastric nerve
阔筋膜 Fascia lata
股外侧皮神经分支
Branches of lateral femoral cutaneous nerve
股后皮神经终末支
Terminal branches of posterior
femoral cutaneous nerve
外侧腓肠皮神经(来自腓总神经)
Lateral sural cutaneous nerve
(from common fibular nerve)
腓肠神经外侧交通支
Fibular communicating nerve
内侧腓肠皮神经(来自胫神经)
Medial sural cutaneous nerve(from tibial nerve)
腓肠神经 Sural nerve
跟外侧神经(来自腓肠神经)
Lateral calcaneal branches of sural nerve
(from sural nerve)
足底外侧神经足底皮支
Plantar cutaneous branches
of lateral plantar nerve

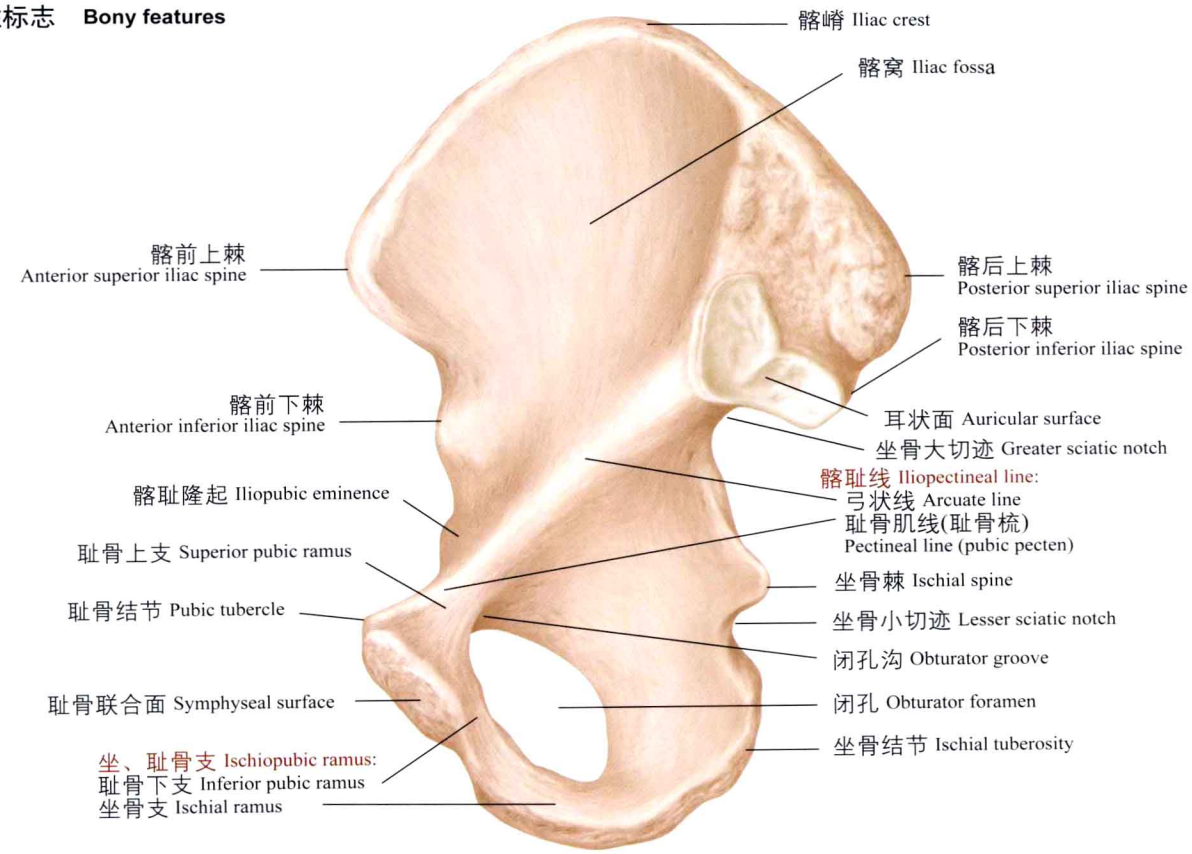
A.骨性标志 Bony features



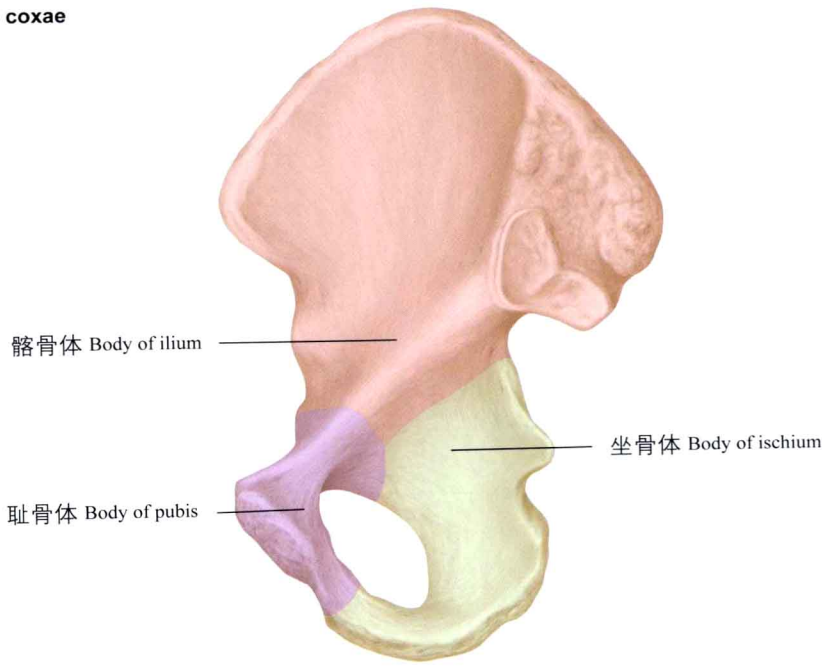
B.髋骨的组成 Parts of os coxae

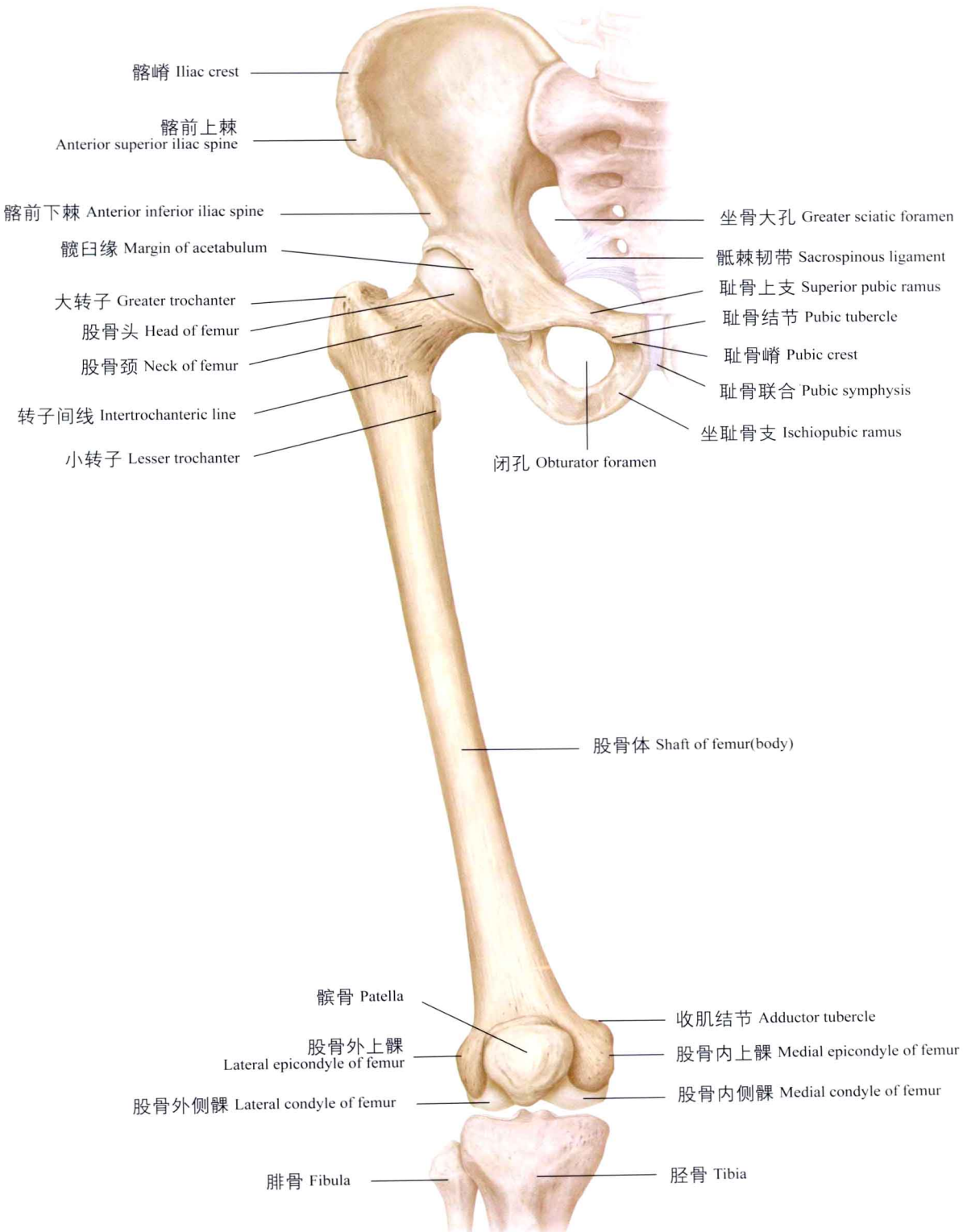


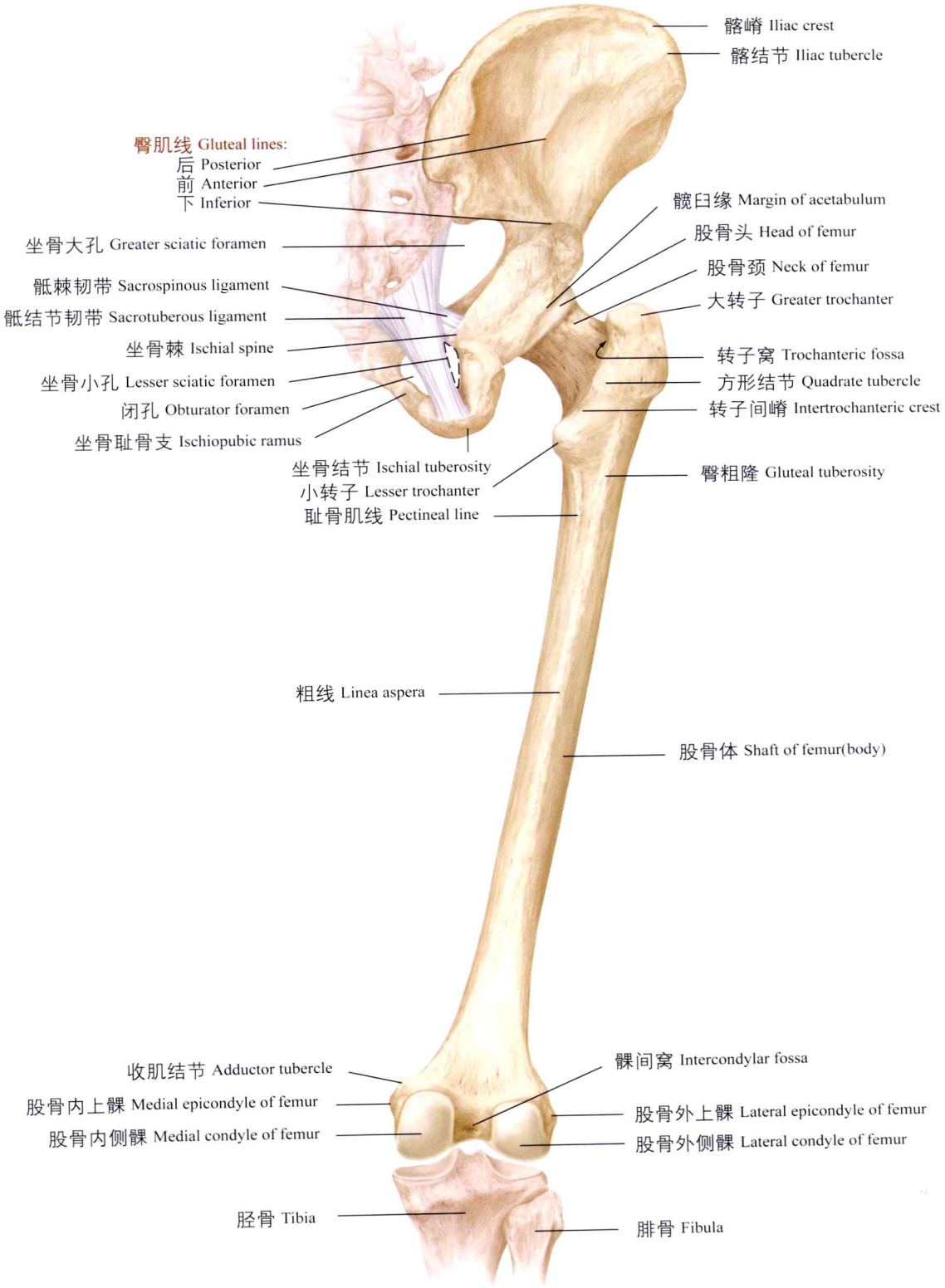
A.骨性标志 Bony features

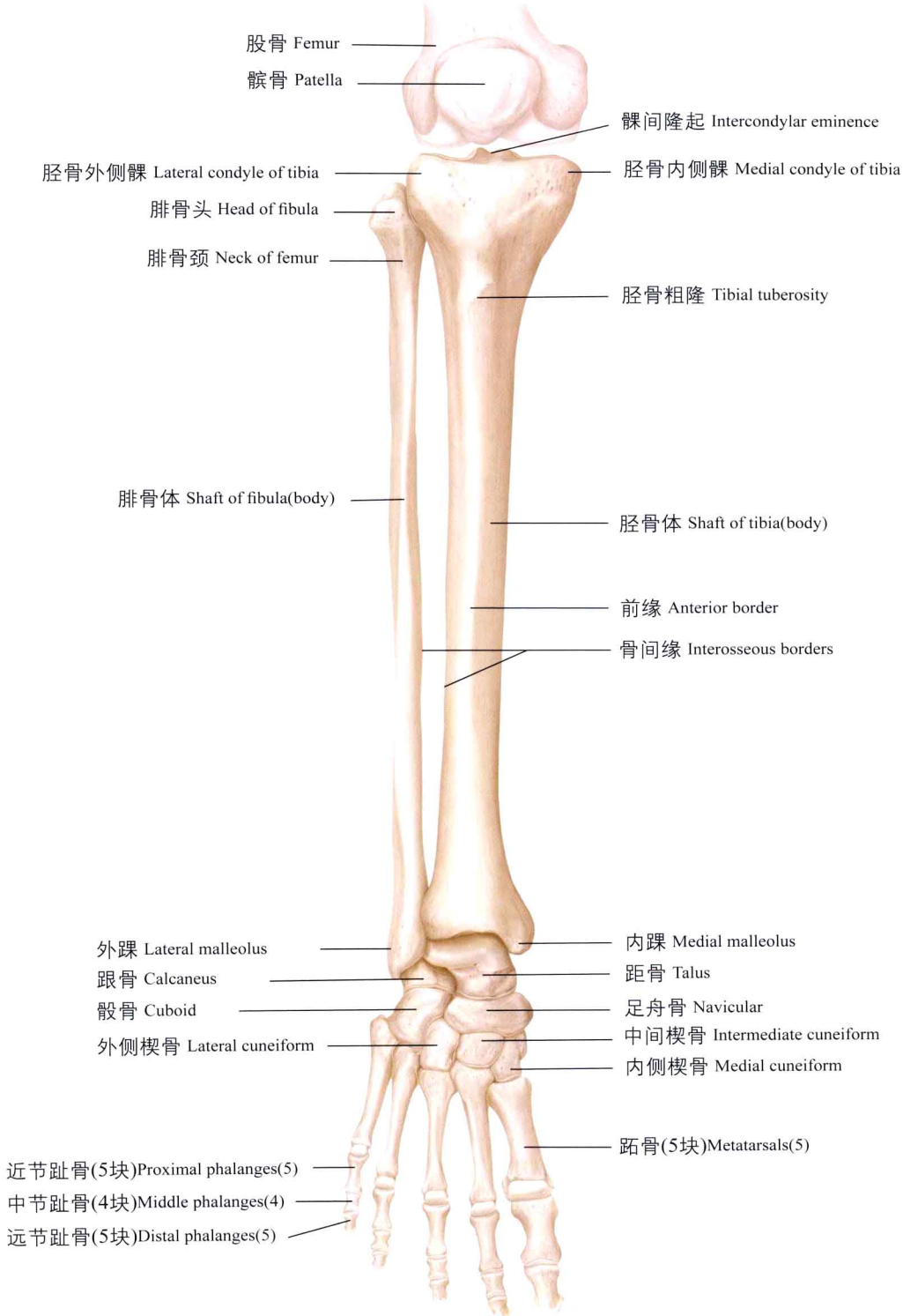


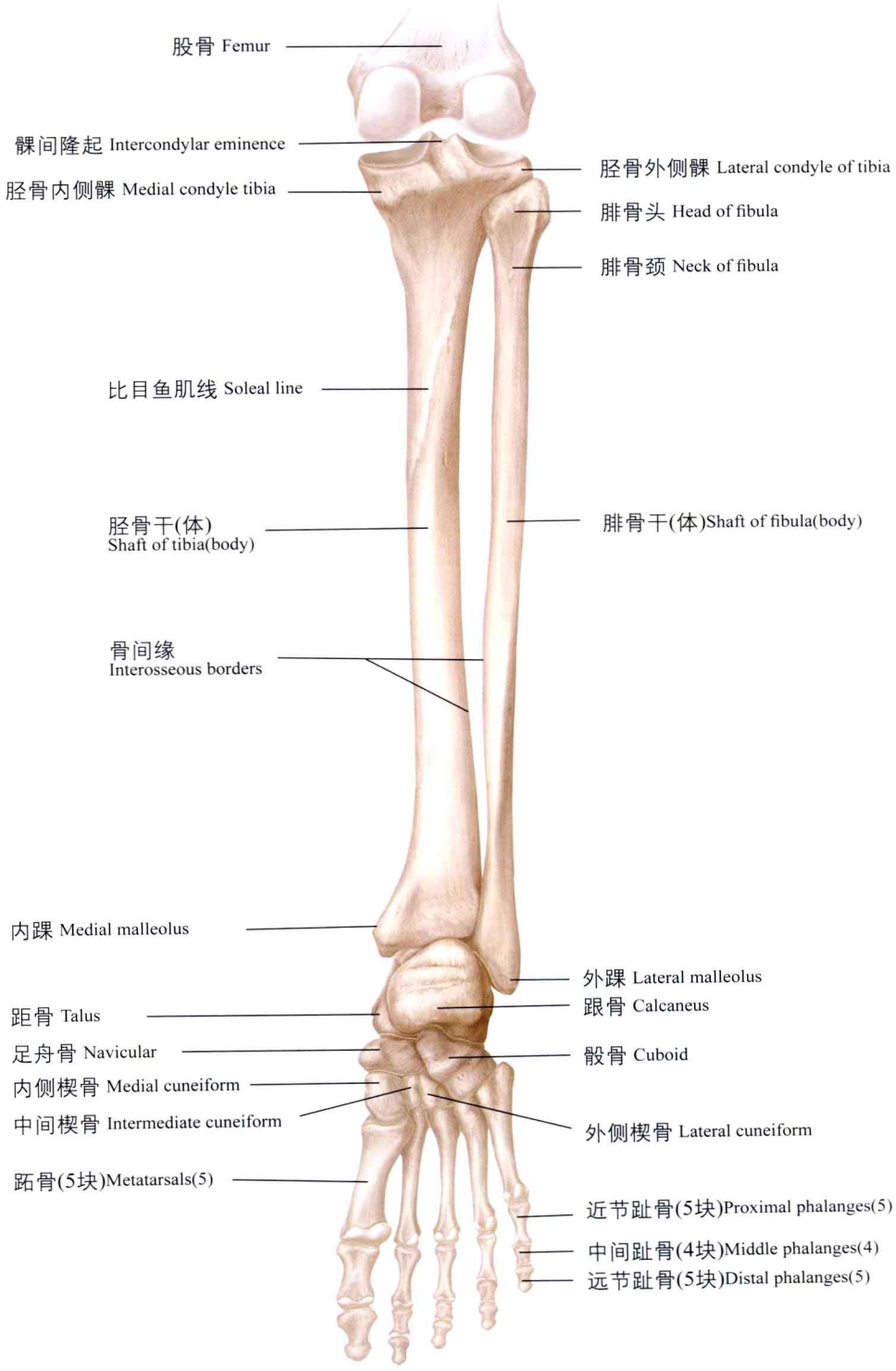
B.髋骨部分 Parts of os coxae



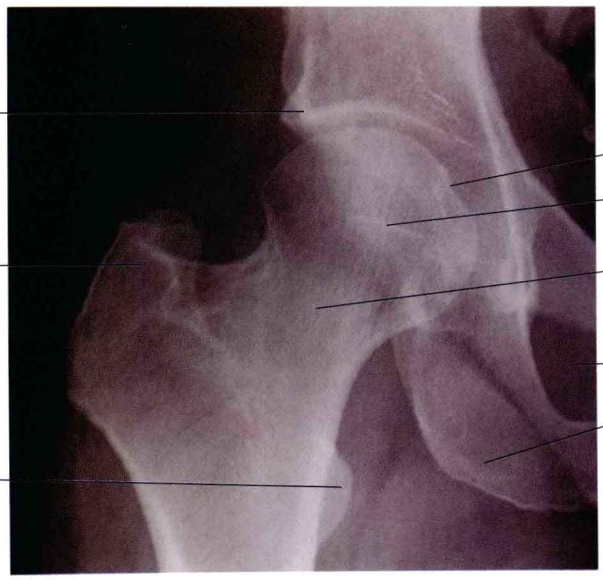

髂嵴 Iliac crest
髂前上棘
Anterior superior iliac spine
髂前下棘 Anterior inferior iliac spine
髋臼缘 Margin of acetabulum
大转子 Greater trochanter
股骨头 Head of femur
股骨颈 Neck of femur
转子间线 Intertrochanteric line
小转子 Lesser trochanter
坐骨大孔 Greater sciatic foramen
骶棘韧带 Sacrospinous ligament
耻骨上支 Superior pubic ramus
耻骨结节 Pubic tubercle
耻骨嵴 Pubic crest
耻骨联合 Pubic symphysis
坐耻骨支 Ischiopubic ramus
闭孔 Obturator foramen
股骨体 Shaft of femur(body)
髌骨 Patella
股骨外上髁
Lateral epicondyle of femur
股骨外侧髁 Lateral condyle of femur
收肌结节 Adductor tubercle
股骨内上髁 Medial epicondyle of femur
股骨内侧髁 Medial condyle of femur
腓骨 Fibula
胫骨 Tibia


髂嵴 Iliac crest
髂结节 Iliac tubercle
臀肌线 Gluteal lines:
后 Posterior
前 Anterior
下 Inferior
髋臼缘 Margin of acetabulum
股骨头 Head of femur
股骨颈 Neck of femur
大转子 Greater trochanter
坐骨大孔 Greater sciatic foramen
骶棘韧带 Sacrospinous ligament
骶结节韧带 Sacrotuberous ligament
坐骨棘 Ischial spine
转子窝 Trochanteric fossa
坐骨小孔 Lesser sciatic foramen
方形结节 Quadrate tubercle
闭孔 Obturator foramen
转子间嵴 Intertrochanteric crest
坐骨耻骨支 Ischiopubic ramus
坐骨结节 Ischial tuberosity
臀粗隆 Gluteal tuberosity
小转子 Lesser trochanter
耻骨肌线 Pectineal line
粗线 Linea aspera
股骨体 Shaft of femur(body)
收肌结节 Adductor tubercle
髁间窝 Intercondylar fossa
股骨内上髁 Medial epicondyle of femur
股骨外上髁 Lateral epicondyle of femur
股骨内侧髁 Medial condyle of femur
股骨外侧髁 Lateral condyle of femur
胫骨 Tibia
腓骨 Fibula

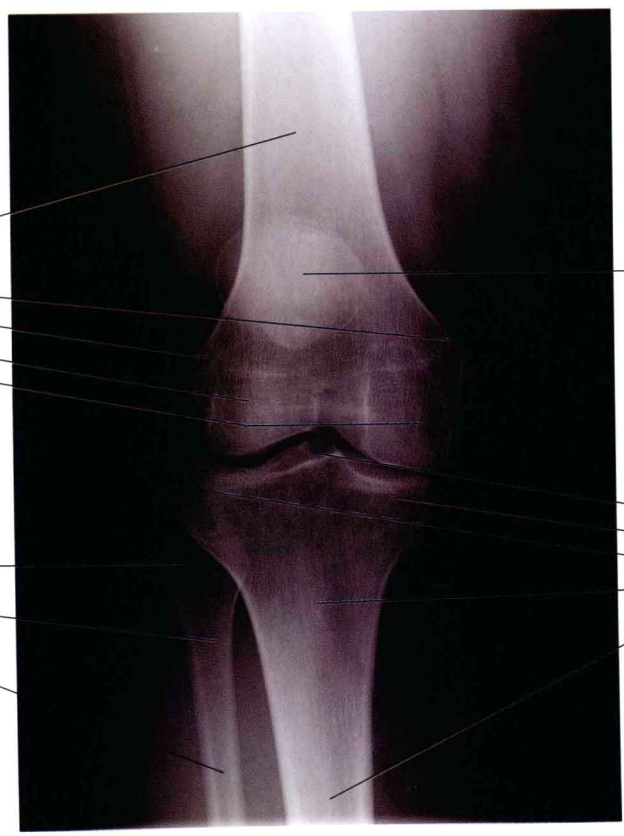

股骨 Femur
髌骨 Patella
髁间隆起 Intercondylar eminence
胫骨外侧髁 Lateral condyle of tibia
胫骨内侧髁 Medial condyle of tibia
腓骨头 Head of fibula
腓骨颈 Neck of femur
胫骨粗隆 Tibial tuberosity
腓骨体 Shaft of fibula(body)
胫骨体 Shaft of tibia(body)
前缘 Anterior border
骨间缘 Interosseous borders
外踝 Lateral malleolus
内踝 Medial malleolus
跟骨 Calcaneus
距骨 Talus
骰骨 Cuboid
足舟骨 Navicular
外侧楔骨 Lateral cuneiform
中间楔骨 Intermediate cuneiform
内侧楔骨 Medial cuneiform
跖骨(5块)Metatarsals(5)
近节趾骨(5块)Proximal phalanges(5)
中节趾骨(4块)Middle phalanges(4)
远节趾骨(5块)Distal phalanges(5)


股骨 Femur
髁间隆起 Intercondylar eminence
胫骨内侧髁 Medial condyle tibia
胫骨外侧髁 Lateral condyle of tibia
腓骨头 Head of fibula
腓骨颈 Neck of fibula
比目鱼肌线 Soleal line
胫骨干(体)
Shaft of tibia(body)
腓骨干(体)Shaft of fibula(body)
骨间缘
Interosseous borders
内踝 Medial malleolus
外踝 Lateral malleolus
距骨 Talus
跟骨 Calcaneus
足舟骨 Navicular
骰骨 Cuboid
内侧楔骨 Medial cuneiform
中间楔骨 Intermediate cuneiform
外侧楔骨 Lateral cuneiform
跖骨(5块)Metatarsals(5)
近节趾骨(5块)Proximal phalanges(5)
中间趾骨(4块)Middle phalanges(4)
远节趾骨(5块)Distal phalanges(5)

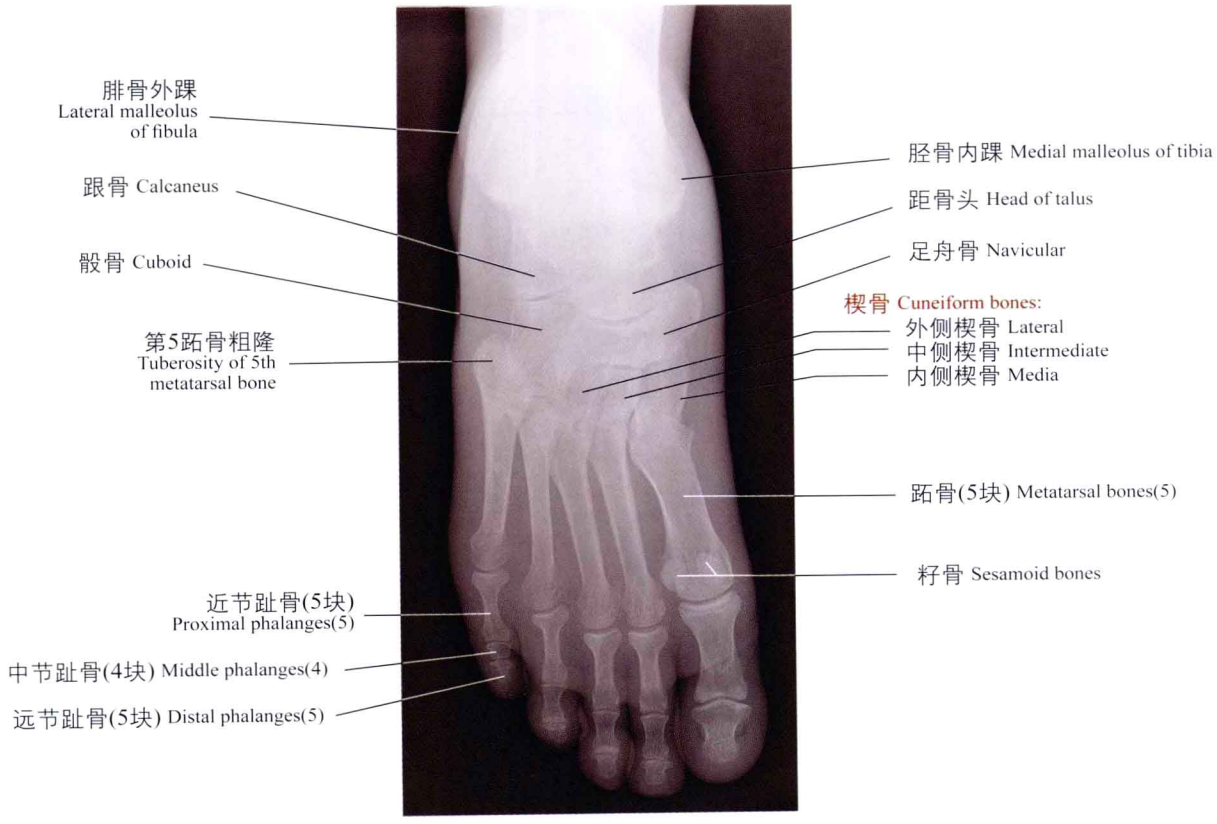
A.髋关节，前面观 Hip joint, anterior view



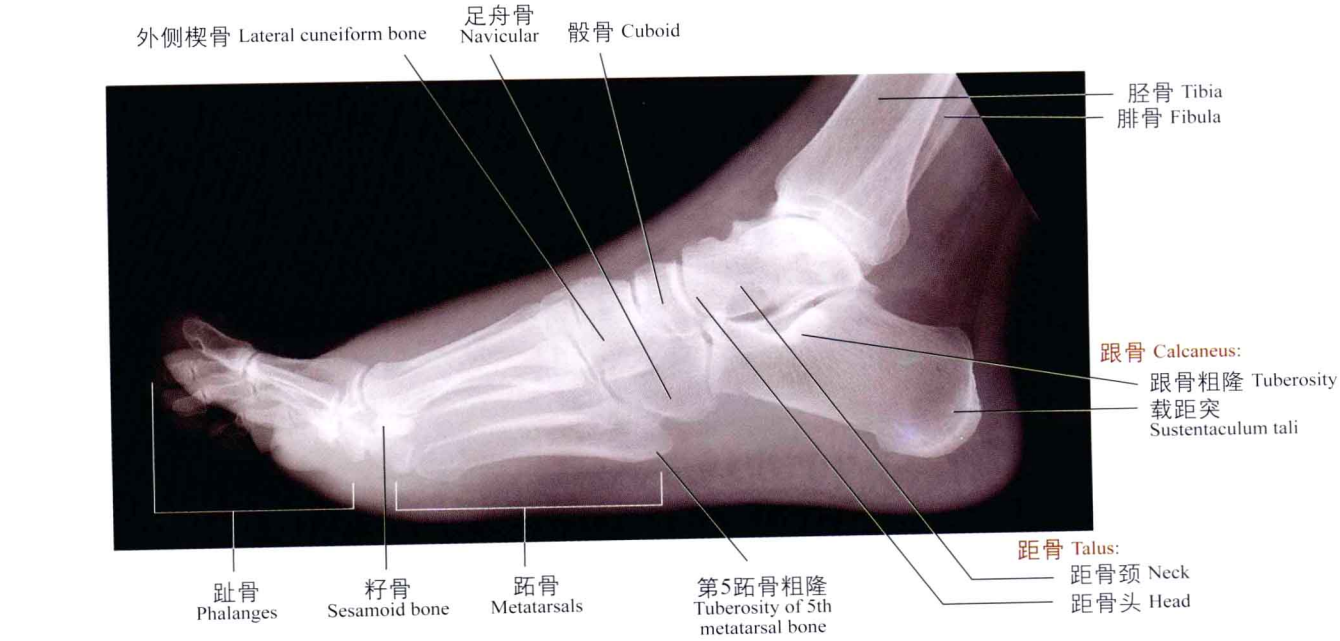
B.膝关节，前面观 Knee joint,anterior view

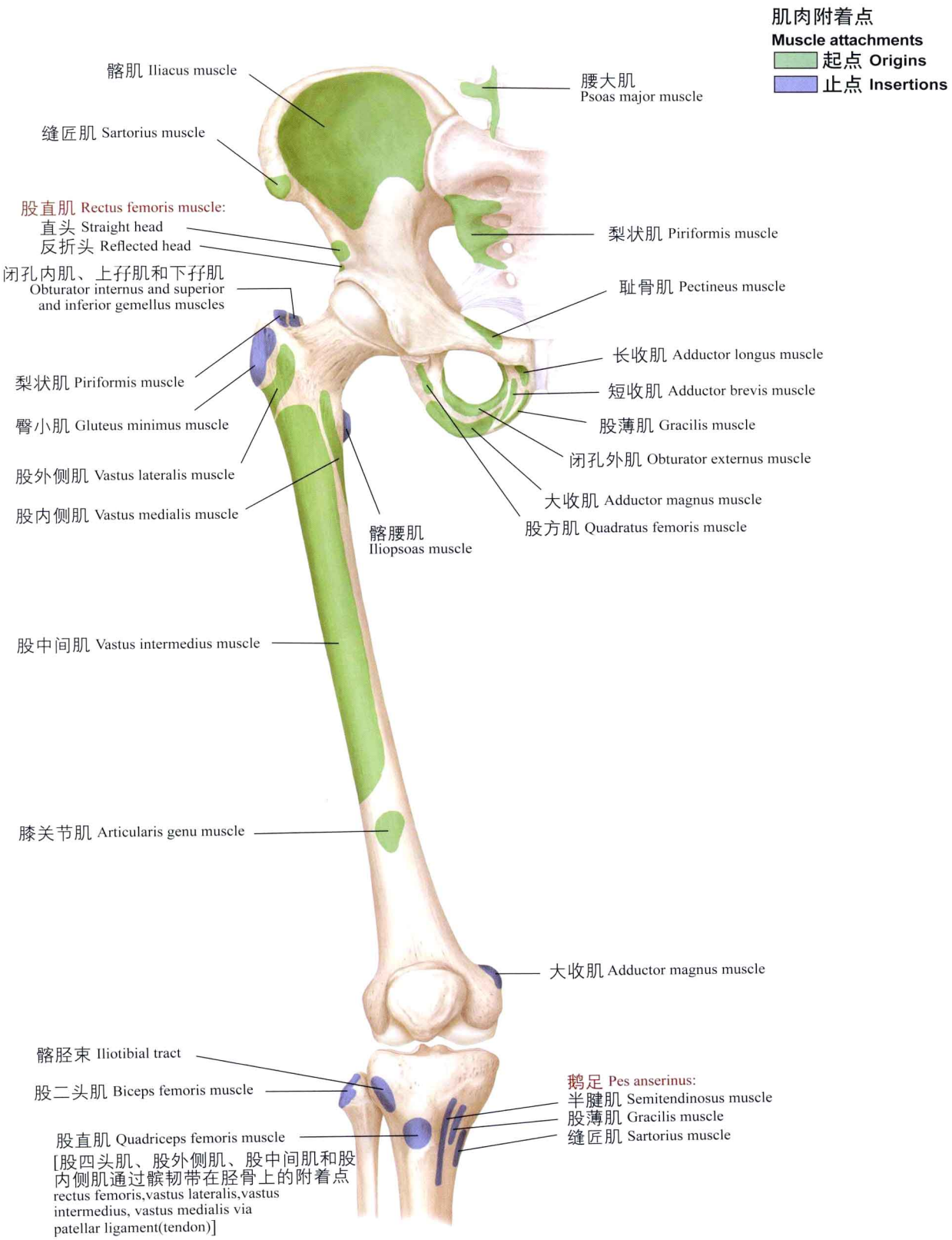


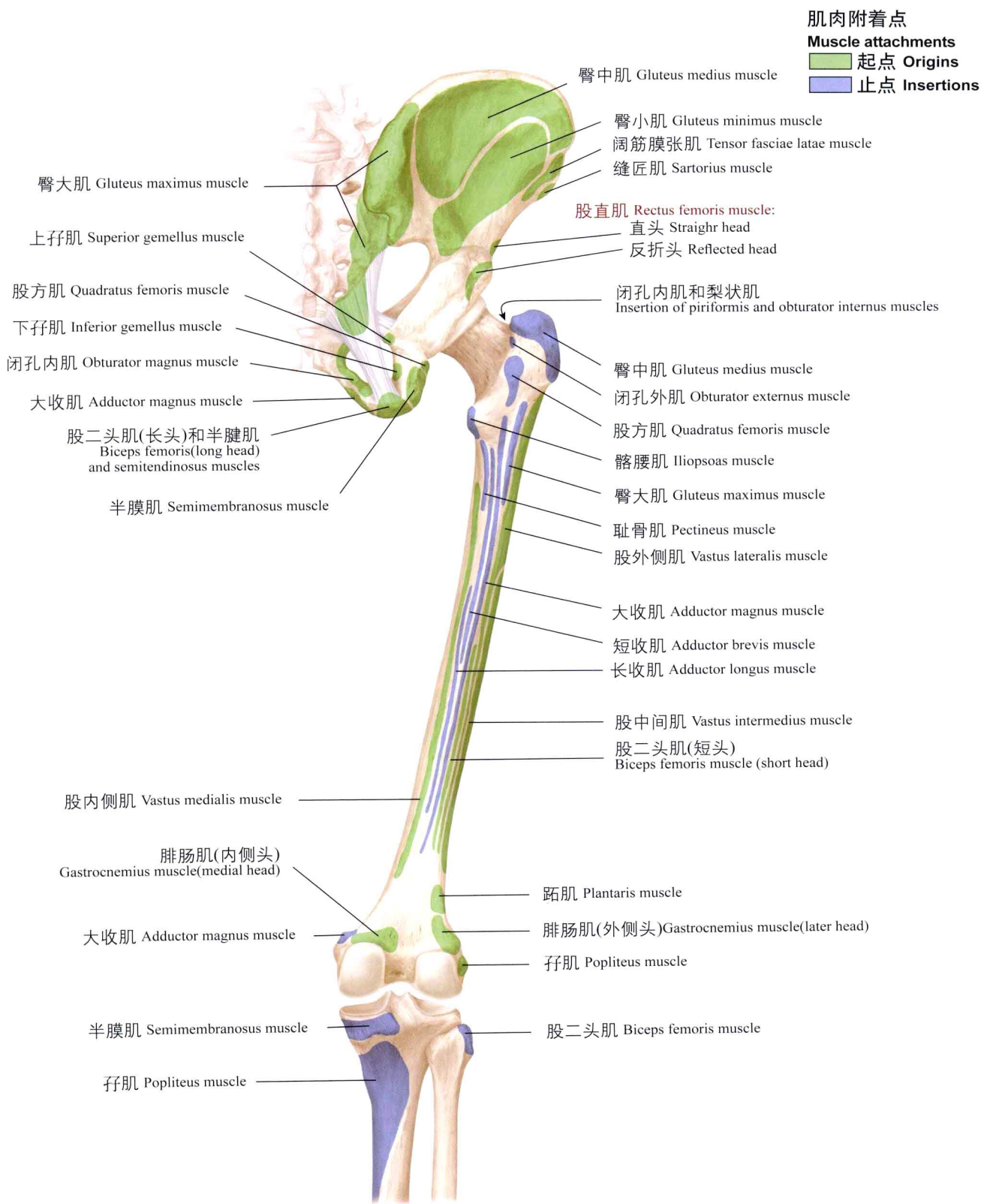
A.前面观 Anterior view

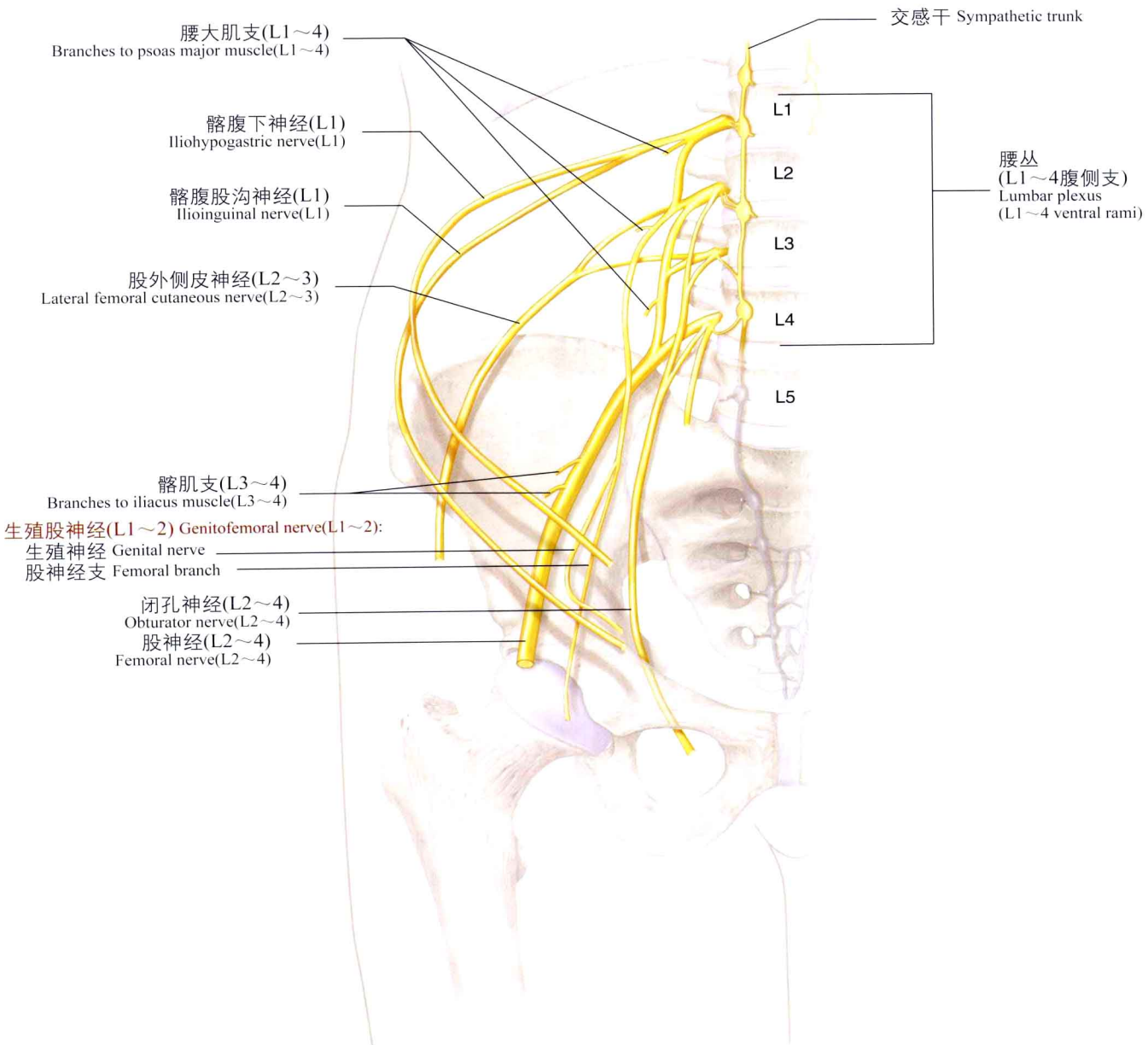


B.侧面观 Lateral view

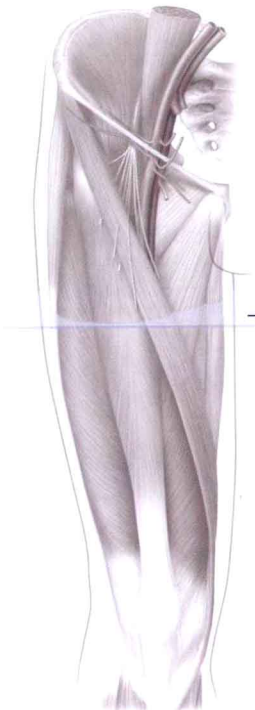



肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
髂肌 Iliacus muscle
腰大肌
Psoas major muscle
缝匠肌 Sartorius muscle
股直肌 Rectus femoris muscle:
直头 Straight head
反折头 Reflected head
梨状肌 Piriformis muscle
闭孔内肌、上孖肌和下孖肌
Obturator internus and superior and inferior gemellus muscles
耻骨肌 Pectineus muscle
长收肌 Adductor longus muscle
梨状肌 Piriformis muscle
短收肌 Adductor brevis muscle
臀小肌 Gluteus minimus muscle
股薄肌 Gracilis muscle
闭孔外肌 Obturator externus muscle
股外侧肌 Vastus lateralis muscle
大收肌 Adductor magnus muscle
股内侧肌 Vastus medialis muscle
髂腰肌
Iliopsoas muscle
股方肌 Quadratus femoris muscle
股中间肌 Vastus intermedius muscle
膝关节肌 Articularis genu muscle
大收肌 Adductor magnus muscle
髂胫束 Iliotibial tract
股二头肌 Biceps femoris muscle
鹅足 Pes anserinus:
半腱肌 Semitendinosus muscle
股薄肌 Gracilis muscle
缝匠肌 Sartorius muscle
股直肌 Quadriceps femoris muscle
[股四头肌、股外侧肌、股中间肌和股内侧肌通过髌韧带在胫骨上的附着点
rectus femoris,vastus lateralis,vastus intermedius, vastus medialis via patellar ligament(tendon)]

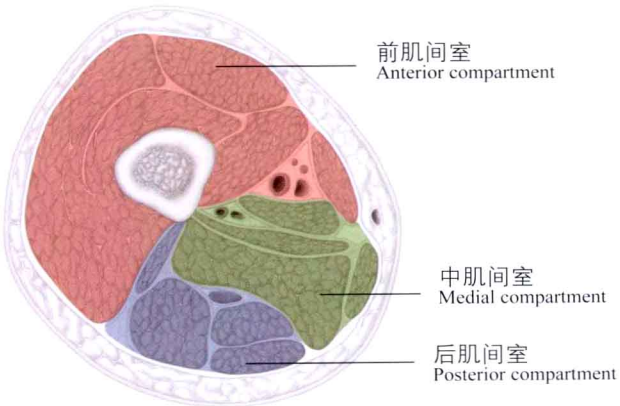

肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
臀中肌 Gluteus medius muscle
臀小肌 Gluteus minimus muscle
阔筋膜张肌 Tensor fasciae latae muscle
缝匠肌 Sartorius muscle
臀大肌 Gluteus maximus muscle
股直肌 Rectus femoris muscle:
直头 Straighr head
反折头 Reflected head
上孖肌 Superior gemellus muscle
股方肌 Quadratus femoris muscle
闭孔内肌和梨状肌
Insertion of piriformis and obturator internus muscles
下孖肌 Inferior gemellus muscle
闭孔内肌 Obturator magnus muscle
臀中肌 Gluteus medius muscle
闭孔外肌 Obturator externus muscle
大收肌 Adductor magnus muscle
股方肌 Quadratus femoris muscle
股二头肌(长头)和半腱肌
Biceps femoris(long head)
and semitendinosus muscles
髂腰肌 Iliopsoas muscle
臀大肌 Gluteus maximus muscle
半膜肌 Semimembranosus muscle
耻骨肌 Pectineus muscle
股外侧肌 Vastus lateralis muscle
大收肌 Adductor magnus muscle
短收肌 Adductor brevis muscle
长收肌 Adductor longus muscle
股中间肌 Vastus intermedius muscle
股二头肌(短头)
Biceps femoris muscle (short head)
股内侧肌 Vastus medialis muscle
腓肠肌(内侧头)
Gastrocnemius muscle(medial head)
跖肌 Plantaris muscle
大收肌 Adductor magnus muscle
腓肠肌(外侧头)Gastrocnemius muscle(later head)
孖肌 Popliteus muscle
半膜肌 Semimembranosus muscle
股二头肌 Biceps femoris muscle
孖肌 Popliteus muscle


腰大肌支(L1～4)
Branches to psoas major muscle(L1～4)
髂腹下神经(L1)
Iliohypogastric nerve(L1)
髂腹股沟神经(L1)
Ilioinguinal nerve(L1)
股外侧皮神经(L2～3)
Lateral femoral cutaneous nerve(L2～3)
髂肌支(L3～4)
Branches to iliacus muscle(L3～4)
生殖股神经(L1～2) Genitofemoral nerve(L1～2):
生殖神经 Genital nerve
股神经支 Femoral branch
闭孔神经(L2～4)
Obturator nerve(L2～4)
股神经(L2～4)
Femoral nerve(L2～4)
交感干 Sympathetic trunk
L1
L2
L3
L4
L5
腰丛
(L1～4腹侧支)
Lumbar plexus
(L1～4 ventral rami)

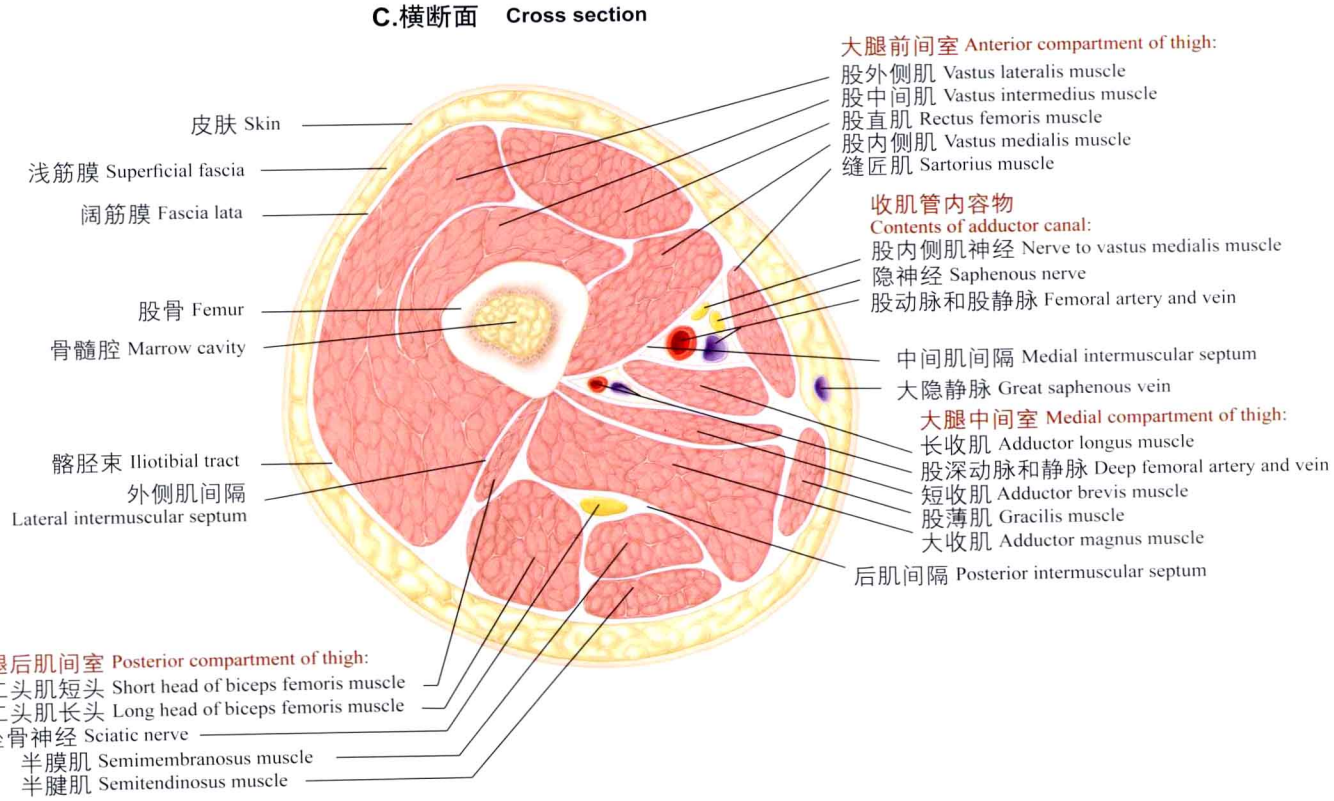
A.定位 Orientation

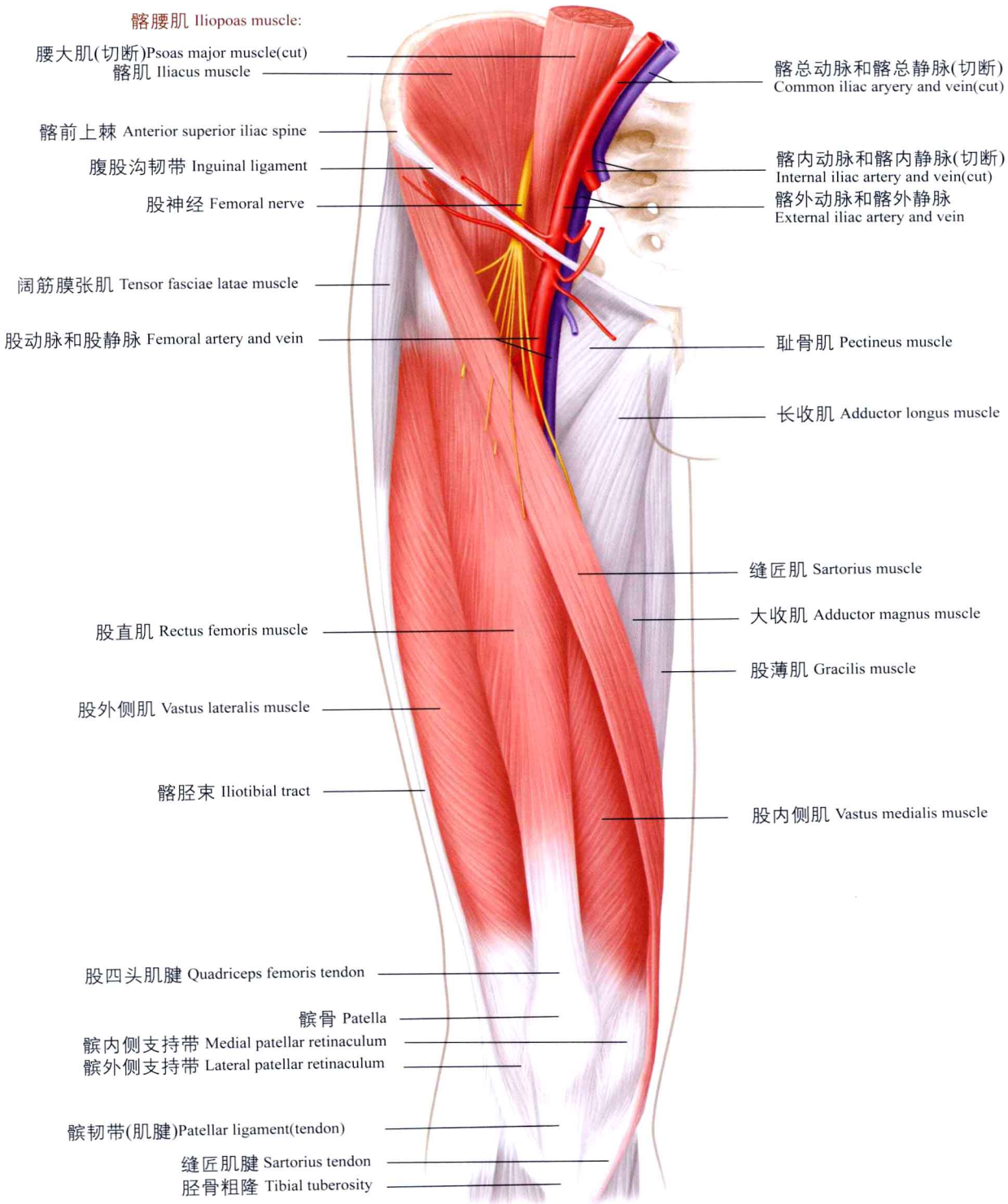


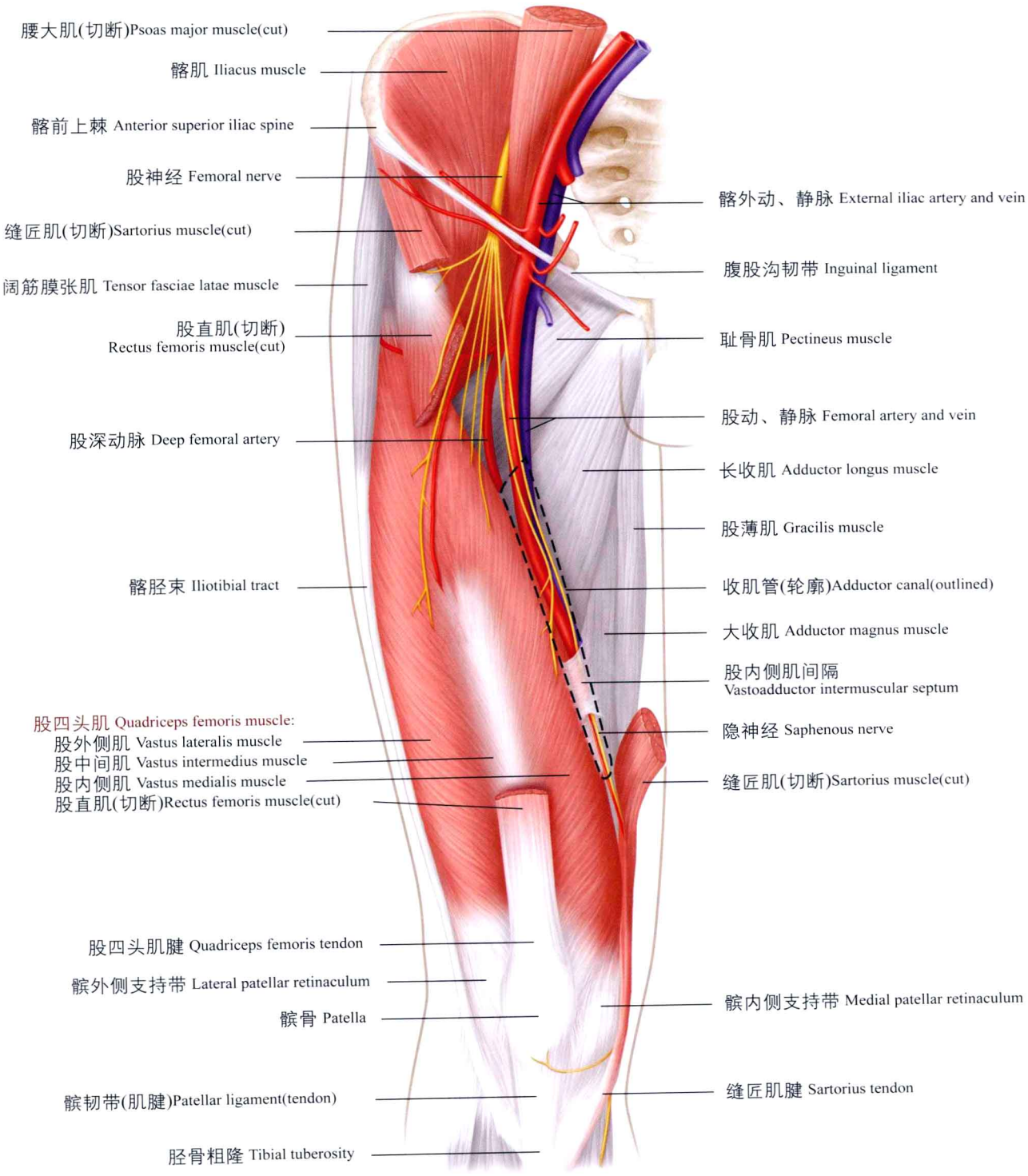
B.大腿的肌间室 Compartments of the thigh



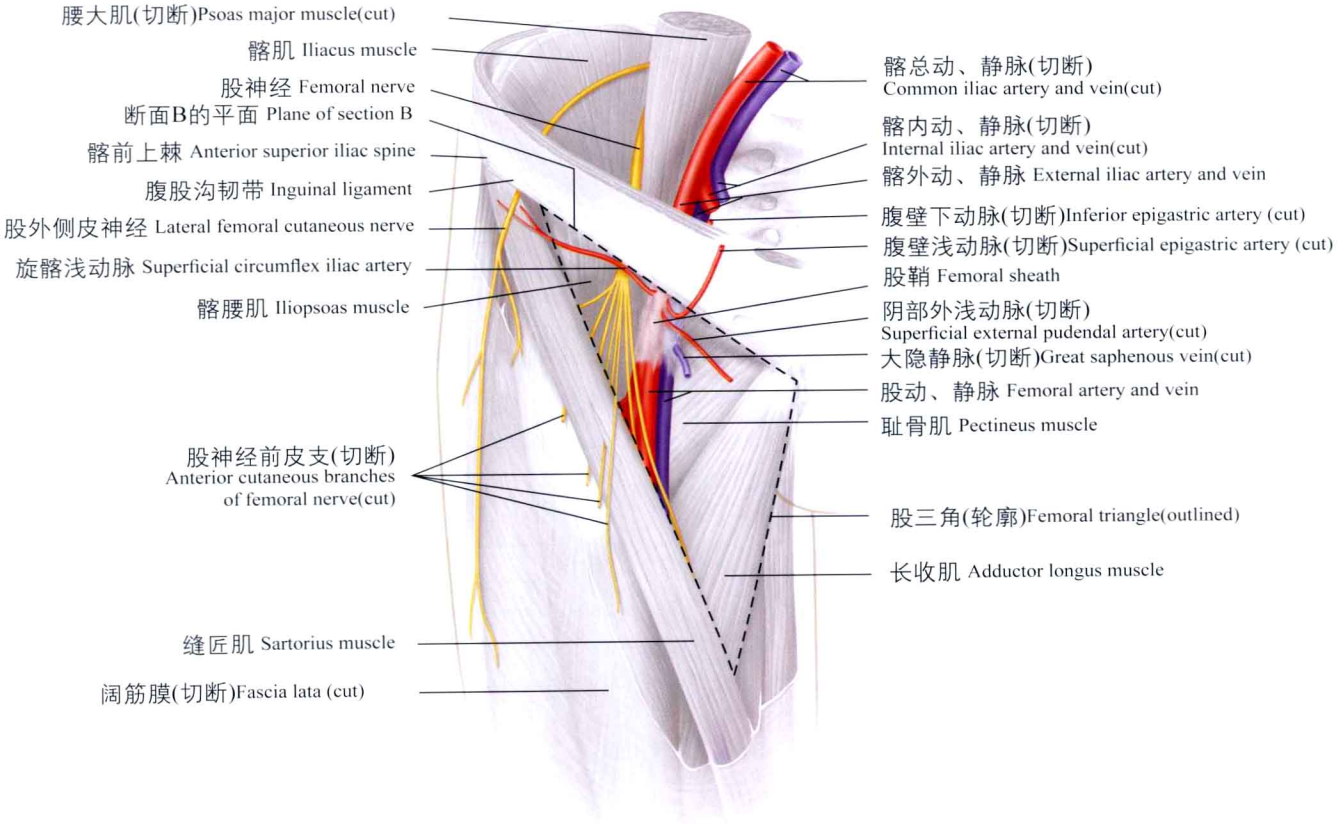
C.横断面 Cross section



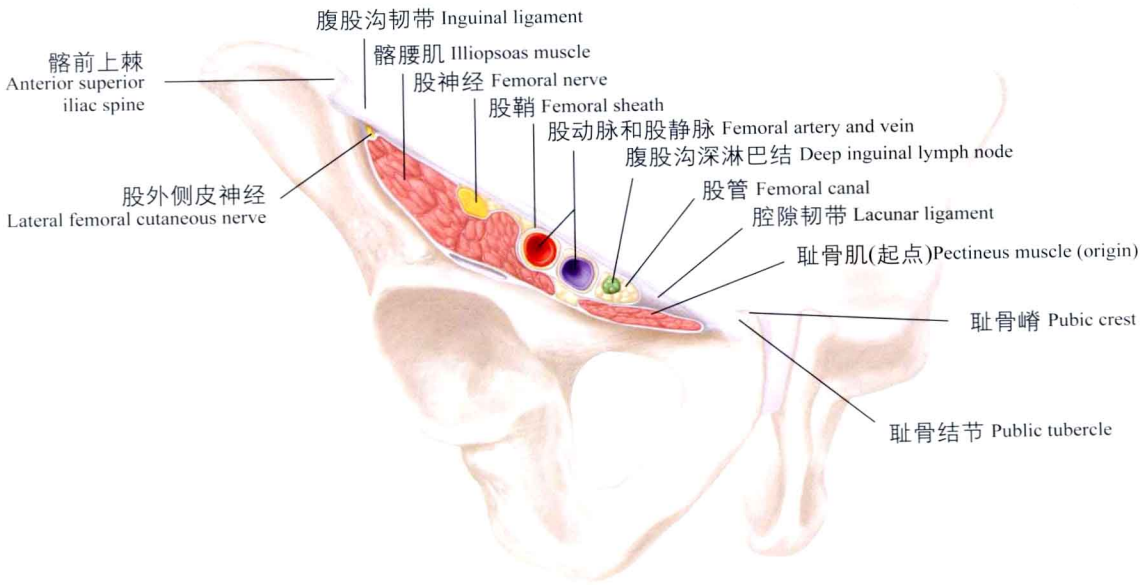

髂腰肌 Iliopoas muscle:
腰大肌(切断)Psoas major muscle(cut)
髂肌 Iliacus muscle
髂前上棘 Anterior superior iliac spine
腹股沟韧带 Inguinal ligament
股神经 Femoral nerve
阔筋膜张肌 Tensor fasciae latae muscle
股动脉和股静脉 Femoral artery and vein
股直肌 Rectus femoris muscle
股外侧肌 Vastus lateralis muscle
髂胫束 Iliotibial tract
股四头肌腱 Quadriceps femoris tendon
髌骨 Patella
髌内侧支持带 Medial patellar retinaculum
髌外侧支持带 Lateral patellar retinaculum
髌韧带(肌腱)Patellar ligament(tendon)
缝匠肌腱 Sartorius tendon
胫骨粗隆 Tibial tuberosity
髂总动脉和髂总静脉(切断)
Common iliac aryery and vein(cut)
髂内动脉和髂内静脉(切断)
Internal iliac artery and vein(cut)
髂外动脉和髂外静脉
External iliac artery and vein
耻骨肌 Pectineus muscle
长收肌 Adductor longus muscle
缝匠肌 Sartorius muscle
大收肌 Adductor magnus muscle
股薄肌 Gracilis muscle
股内侧肌 Vastus medialis muscle

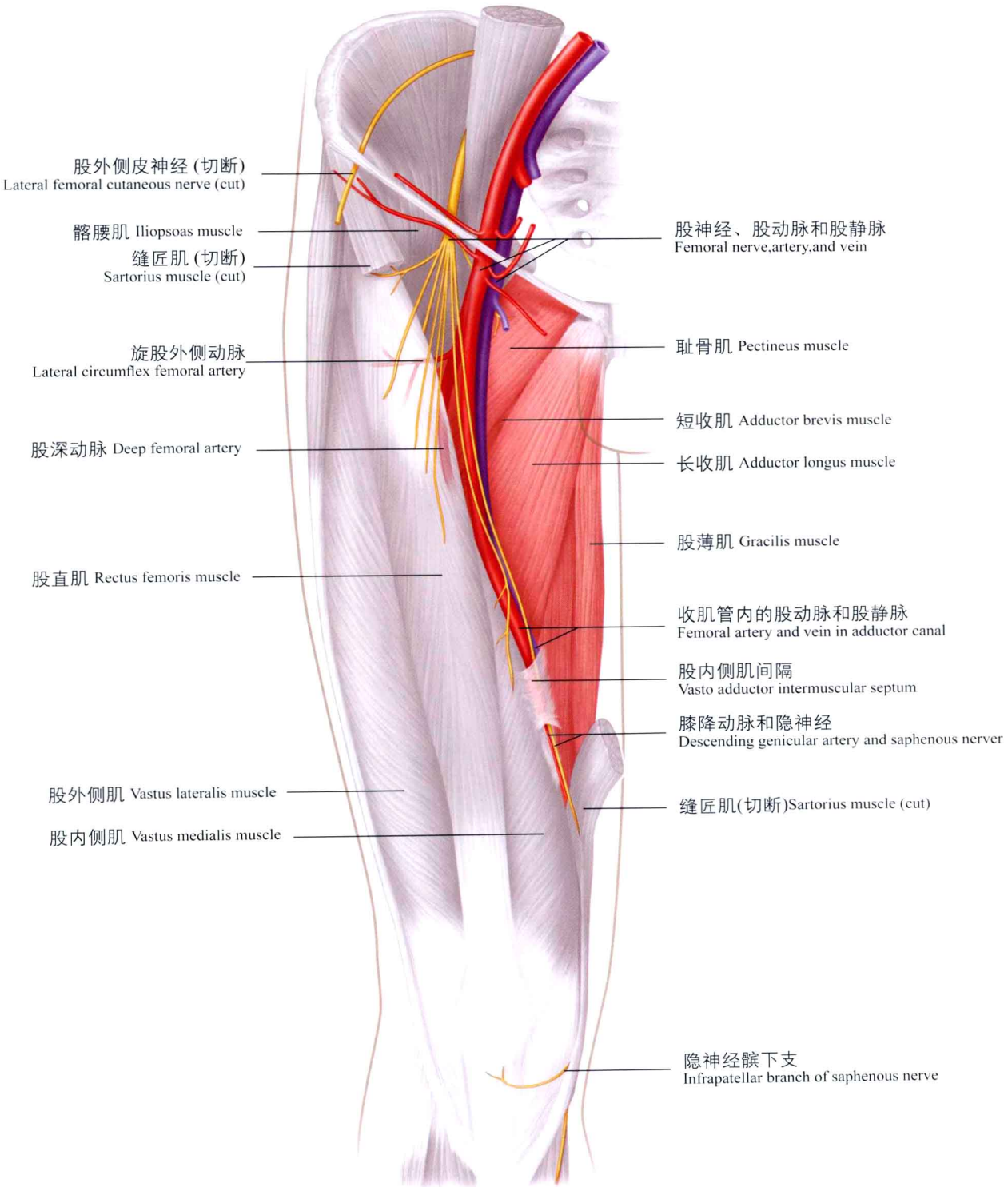

腰大肌(切断)Psoas major muscle(cut)
髂肌 Iliacus muscle
髂前上棘 Anterior superior iliac spine
股神经 Femoral nerve
缝匠肌(切断)Sartorius muscle(cut)
阔筋膜张肌 Tensor fasciae latae muscle
股直肌(切断)
Rectus femoris muscle(cut)
股深动脉 Deep femoral artery
髂胫束 Iliotibial tract
股四头肌 Quadriceps femoris muscle:
股外侧肌 Vastus lateralis muscle
股中间肌 Vastus intermedius muscle
股内侧肌 Vastus medialis muscle
股直肌(切断)Rectus femoris muscle(cut)
股四头肌腱 Quadriceps femoris tendon
髌外侧支持带 Lateral patellar retinaculum
髌骨 Patella
髌韧带(肌腱)Patellar ligament(tendon)
胫骨粗隆 Tibial tuberosity
髂外动、静脉 External iliac artery and vein
腹股沟韧带 Inguinal ligament
耻骨肌 Pectineus muscle
股动、静脉 Femoral artery and vein
长收肌 Adductor longus muscle
股薄肌 Gracilis muscle
收肌管(轮廓)Adductor canal(outlined)
大收肌 Adductor magnus muscle
股内侧肌间隔
Vastoadductor intermuscular septum
隐神经 Saphenous nerve
缝匠肌(切断)Sartorius muscle(cut)
髌内侧支持带 Medial patellar retinaculum
缝匠肌腱 Sartorius tendon

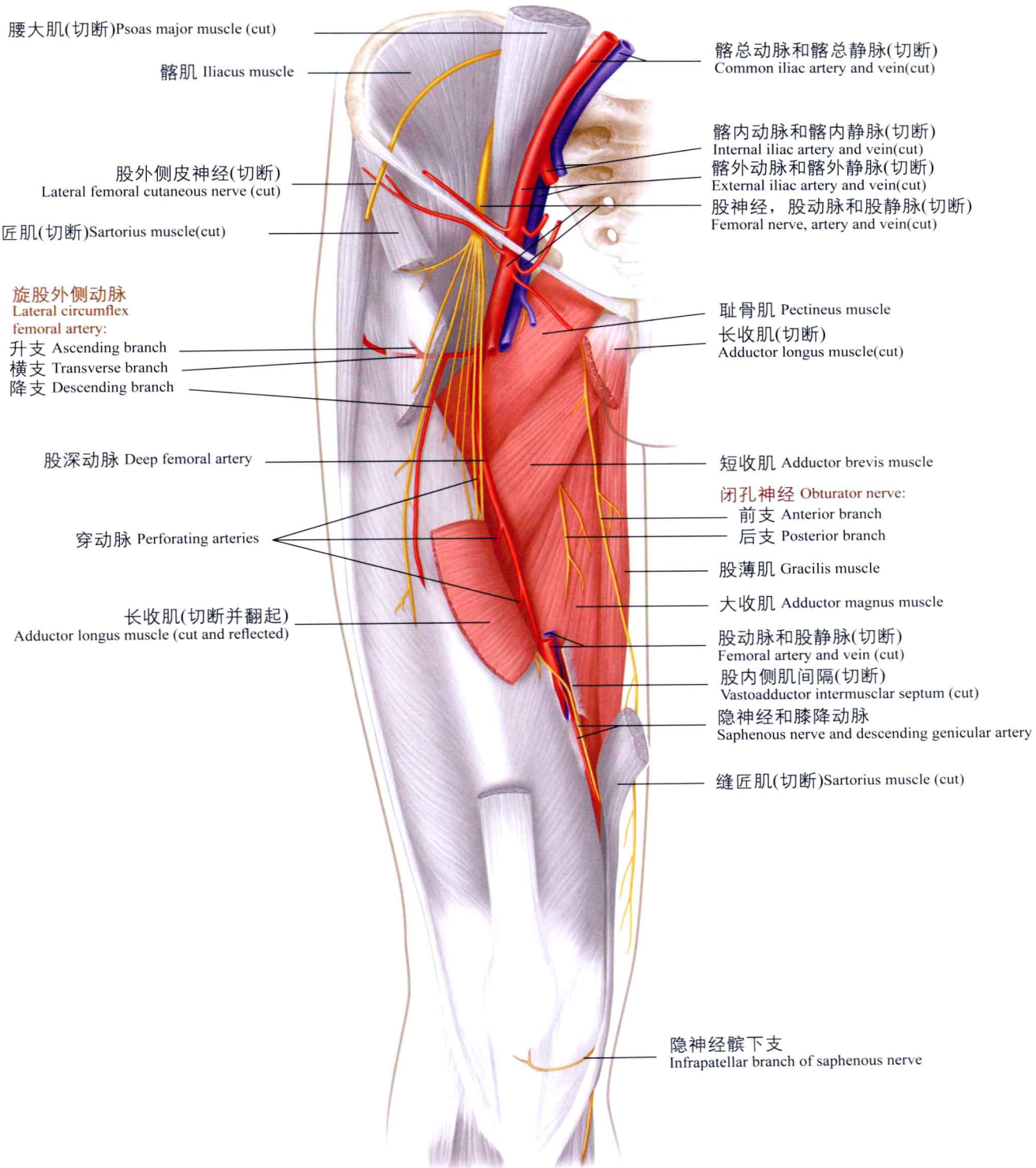
A.前面观 Anterior view

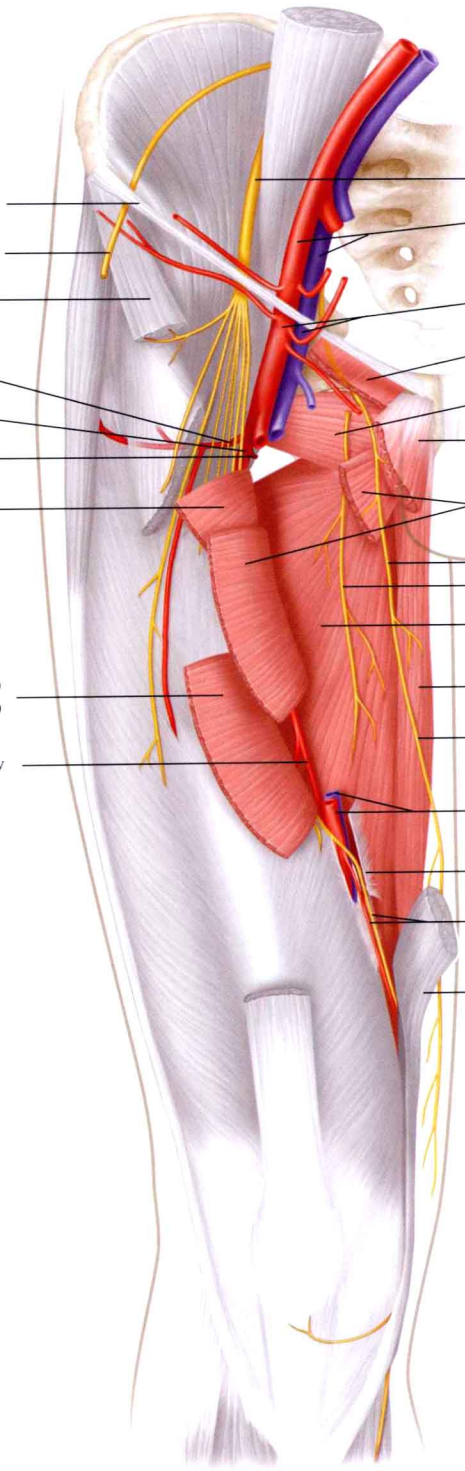


B.经股鞘断面 Section through the femoral sheath



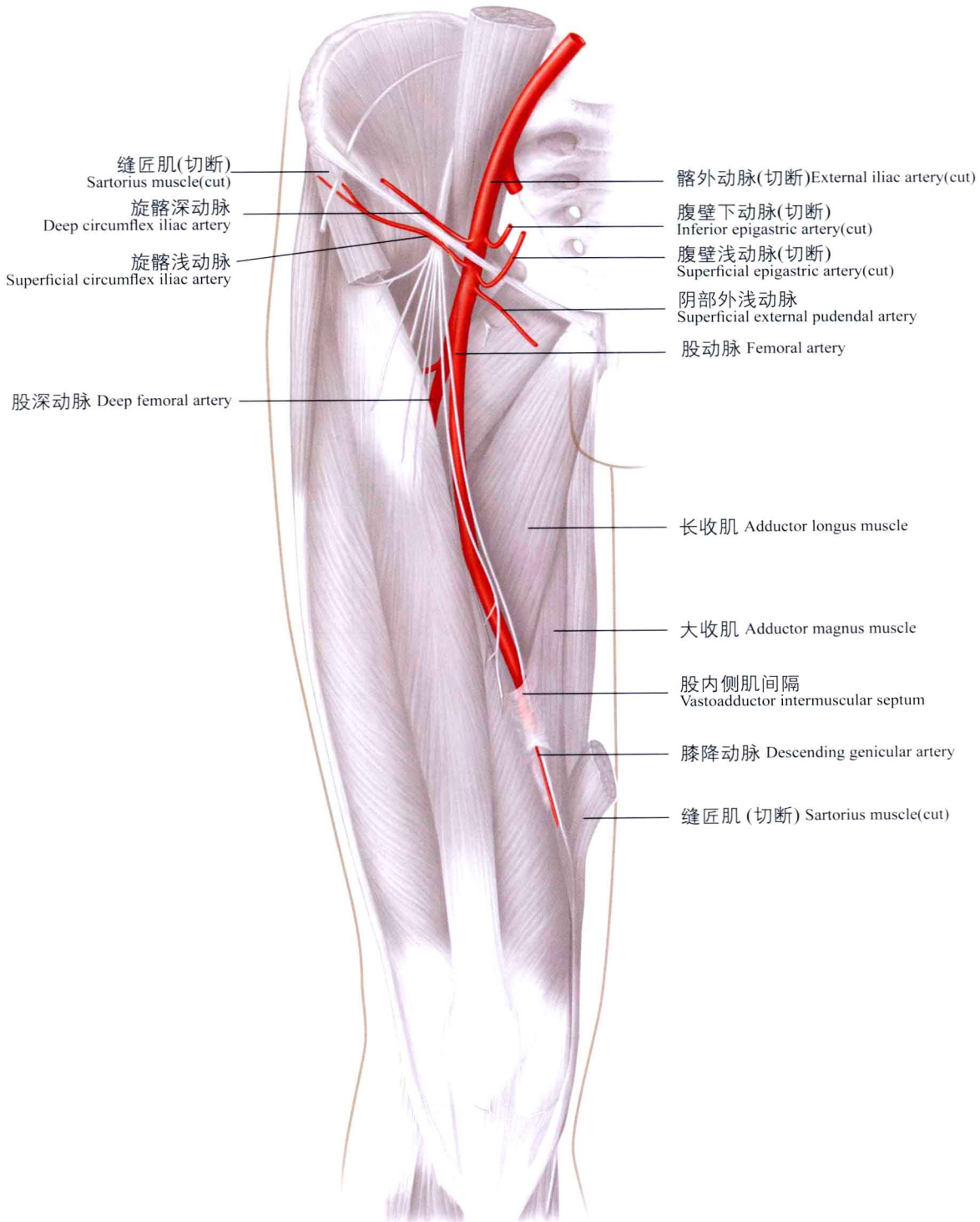

股外侧皮神经（切断）
Lateral femoral cutaneous nerve (cut)
髂腰肌 Iliopsoas muscle
缝匠肌（切断）
Sartorius muscle (cut)
旋股外侧动脉
Lateral circumflex femoral artery
股深动脉 Deep femoral artery
股直肌 Rectus femoris muscle
股外侧肌 Vastus lateralis muscle
股内侧肌 Vastus medialis muscle
股神经、股动脉和股静脉
Femoral nerve,artery,and vein
耻骨肌 Pectineus muscle
短收肌 Adductor brevis muscle
长收肌 Adductor longus muscle
股薄肌 Gracilis muscle
收肌管内的股动脉和股静脉
Femoral artery and vein in adductor canal
股内侧肌间隔
Vasto adductor intermuscular septum
膝降动脉和隐神经
Descending genicular artery and saphenous nerver
缝匠肌(切断)Sartorius muscle (cut)
隐神经髌下支
Infrapatellar branch of saphenous nerve

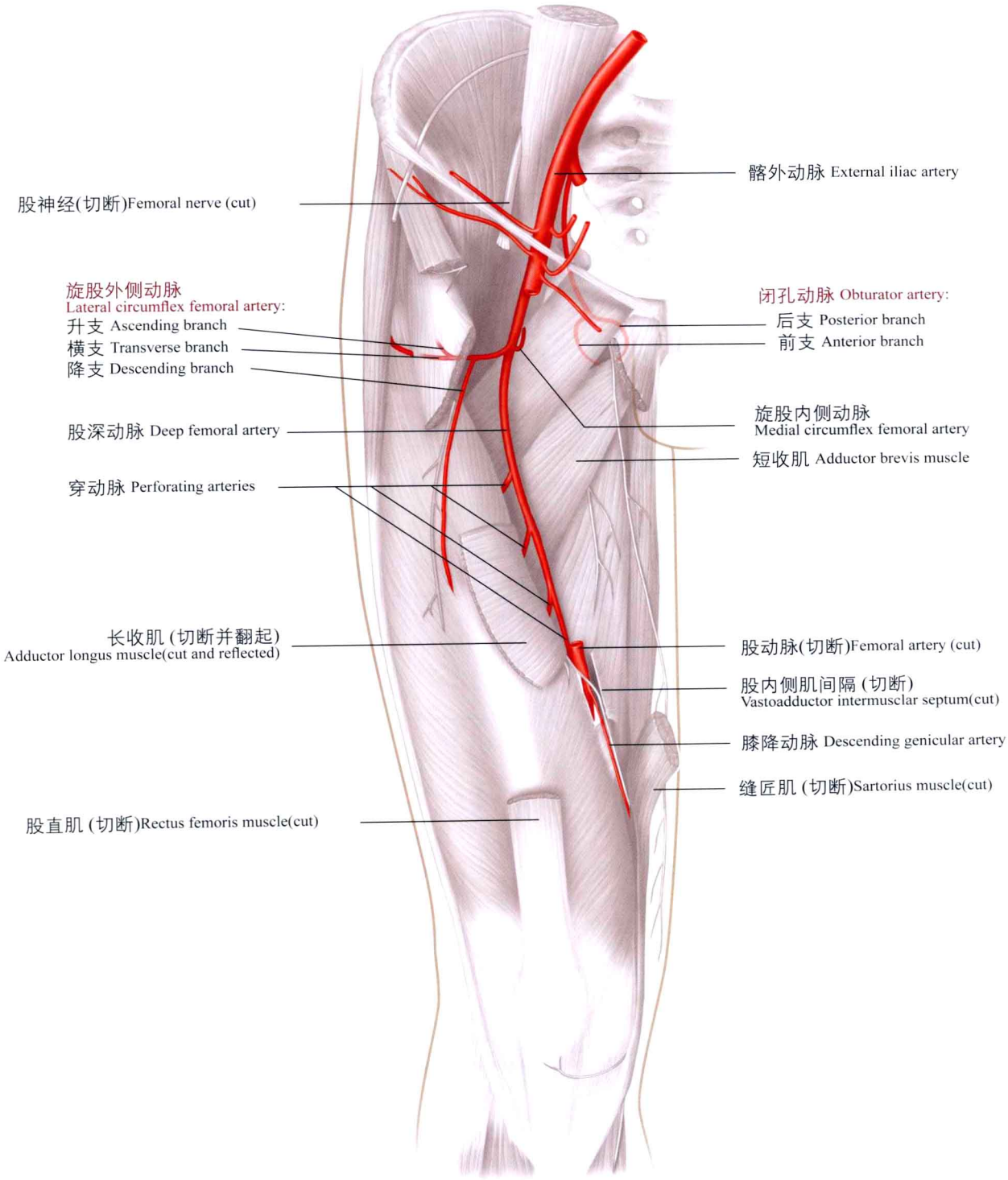

腰大肌(切断)Psoas major muscle (cut)
髂肌 Iliacus muscle
股外侧皮神经(切断)
Lateral femoral cutaneous nerve (cut)
缝匠肌(切断)Sartorius muscle(cut)
旋股外侧动脉
Lateral circumflex femoral artery:
升支 Ascending branch
横支 Transverse branch
降支 Descending branch
股深动脉 Deep femoral artery
穿动脉 Perforating arteries
长收肌(切断并翻起)
Adductor longus muscle (cut and reflected)
髂总动脉和髂总静脉(切断)
Common iliac artery and vein(cut)
髂内动脉和髂内静脉(切断)
Internal iliac artery and vein(cut)
髂外动脉和髂外静脉(切断)
External iliac artery and vein(cut)
股神经，股动脉和股静脉(切断)
Femoral nerve, artery and vein(cut)
耻骨肌 Pectineus muscle
长收肌(切断)
Adductor longus muscle(cut)
短收肌 Adductor brevis muscle
闭孔神经 Obturator nerve:
前支 Anterior branch
后支 Posterior branch
股薄肌 Gracilis muscle
大收肌 Adductor magnus muscle
股动脉和股静脉(切断)
Femoral artery and vein (cut)
股内侧肌间隔(切断)
Vastoadductor intermusclar septum (cut)
隐神经和膝降动脉
Saphenous nerve and descending genicular artery
缝匠肌(切断)Sartorius muscle (cut)
隐神经髌下支
Infrapatellar branch of saphenous nerve



腹股沟韧带 Inguinal ligament
股外侧皮神经(切断)
Lateral femoral cutaneous nerve(cut)
缝匠肌(切断)Sartorius muscle(cut)
旋股外侧动脉
Lateral circumflex femoral artery
股深动脉 Deep femoral artery
旋股内侧动脉
Medial circumflex femoral artery
耻骨肌(切断并翻起)
Pectineus muscle(cut and reflected)
长收肌(切断并翻起)
Adductor longus muscle(cut and reflected)
股深动脉 Deep femoral artery

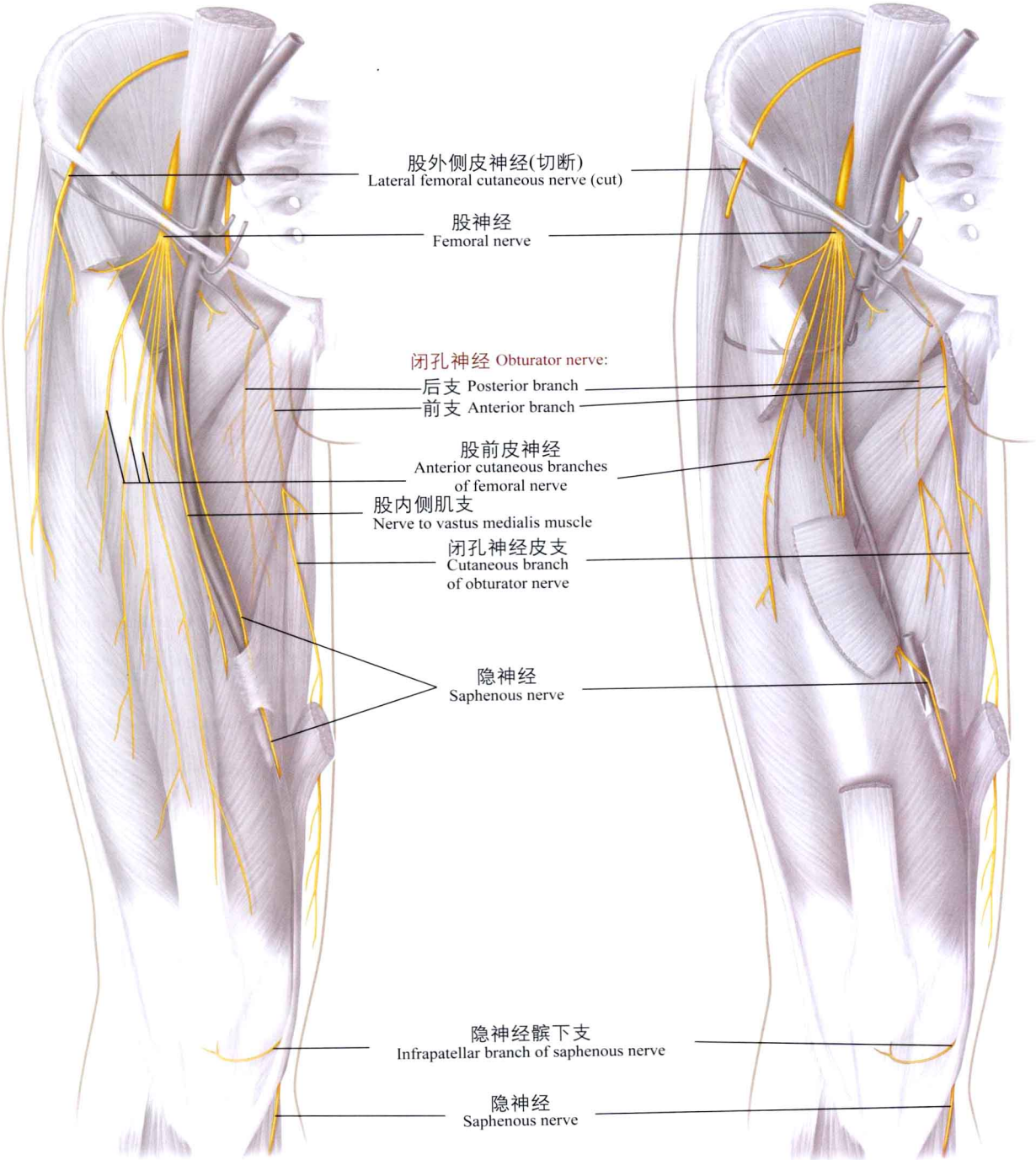
股神经 Femoral nerve
髂外动脉和髂外静脉
External iliac artery and vein
股动脉和股静脉 (切断)
Femoral artery and vein(cut)
耻骨肌(切断)Pectineus muscle(cut)
闭孔外肌 Obturator externus muscle
长收肌(切断)
Adductor longus muscle(cut)
短收肌(切断)
Adductor brevis muscle(cut)
闭孔神经 Obturator nerve:
前支 Anterior branch
后支 Posterior branch
大收肌 Adductor magnus muscle
股薄肌 Gracilis muscle
闭孔神经皮支
Cutaneous branch of obturator nerve
股动脉和股静脉(切断)
Femoral artery and vein(cut)
股内侧肌间隔(切断)
Vastoadductor intermuscular septum septum(cut)
膝降动脉和隐神经
Descending genicular artery and saphenous nerve
缝匠肌(切断)Sartorius muscle(cut)


缝匠肌(切断)
Sartorius muscle(cut)
旋髂深动脉
Deep circumflex iliac artery
旋髂浅动脉
Superficial circumflex iliac artery
股深动脉 Deep femoral artery
髂外动脉(切断)External iliac artery(cut)
腹壁下动脉(切断)
Inferior epigastric artery(cut)
腹壁浅动脉(切断)
Superficial epigastric artery(cut)
阴部外浅动脉
Superficial external pudendal artery
股动脉 Femoral artery
长收肌 Adductor longus muscle
大收肌 Adductor magnus muscle
股内侧肌间隔
Vastoadductor intermuscular septum
膝降动脉 Descending genicular artery
缝匠肌 (切断) Sartorius muscle(cut)

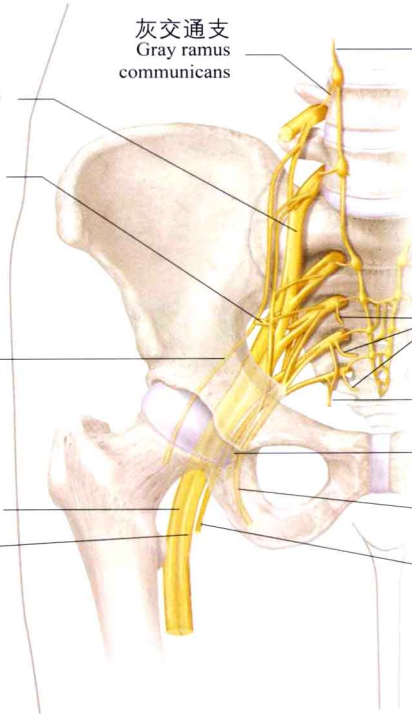

髂外动脉 External iliac artery
股神经(切断)Femoral nerve (cut)
旋股外侧动脉
Lateral circumflex femoral artery:
升支 Ascending branch
横支 Transverse branch
降支 Descending branch
闭孔动脉 Obturator artery:
后支 Posterior branch
前支 Anterior branch
旋股内侧动脉
Medial circumflex femoral artery
股深动脉 Deep femoral artery
短收肌 Adductor brevis muscle
穿动脉 Perforating arteries
长收肌 (切断并翻起)
Adductor longus muscle(cut and reflected)
股动脉(切断)Femoral artery (cut)
股内侧肌间隔 (切断)
Vastoadductor intermuscular septum(cut)
膝降动脉 Descending genicular artery
缝匠肌 (切断)Sartorius muscle(cut)
股直肌 (切断)Rectus femoris muscle(cut)

A.浅层解剖 Superficial dissection

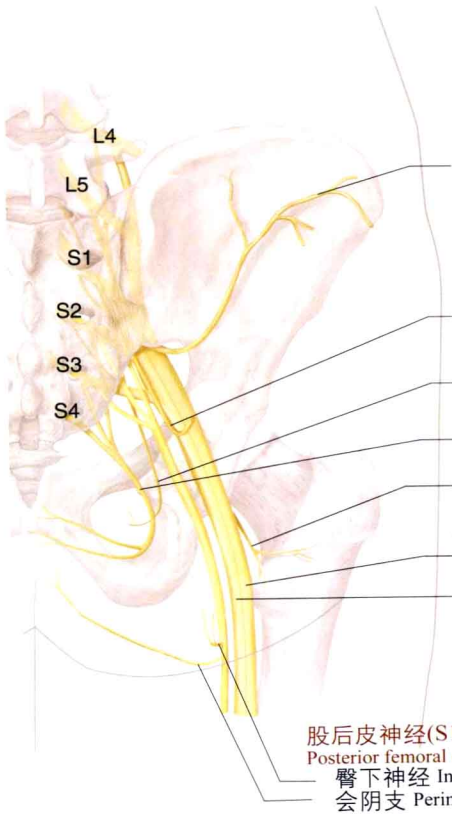
B.深层解剖 Deep dissection



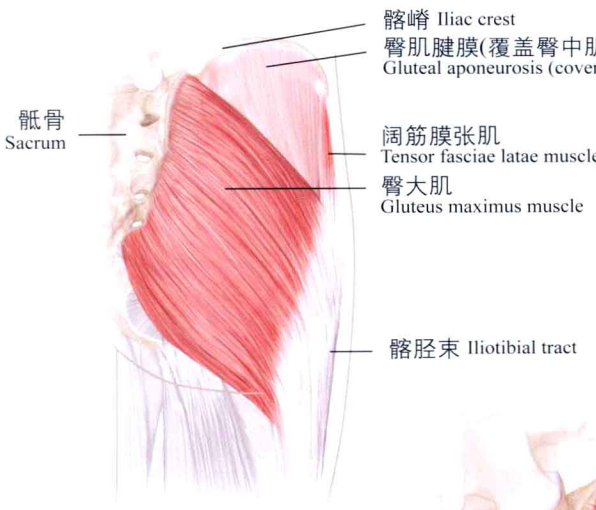
A.前面观 Anterior view



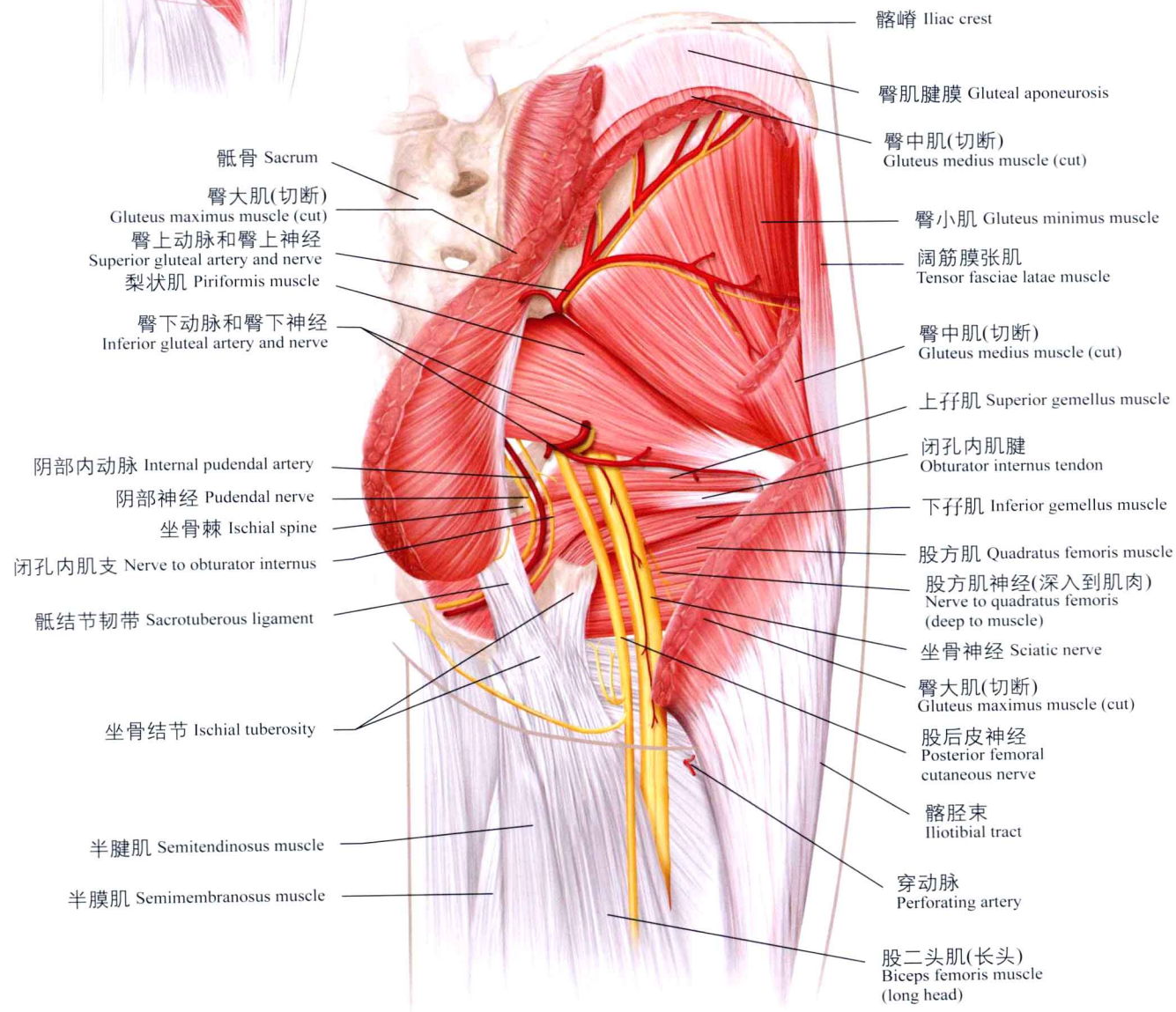
B.后面观 Posterior view



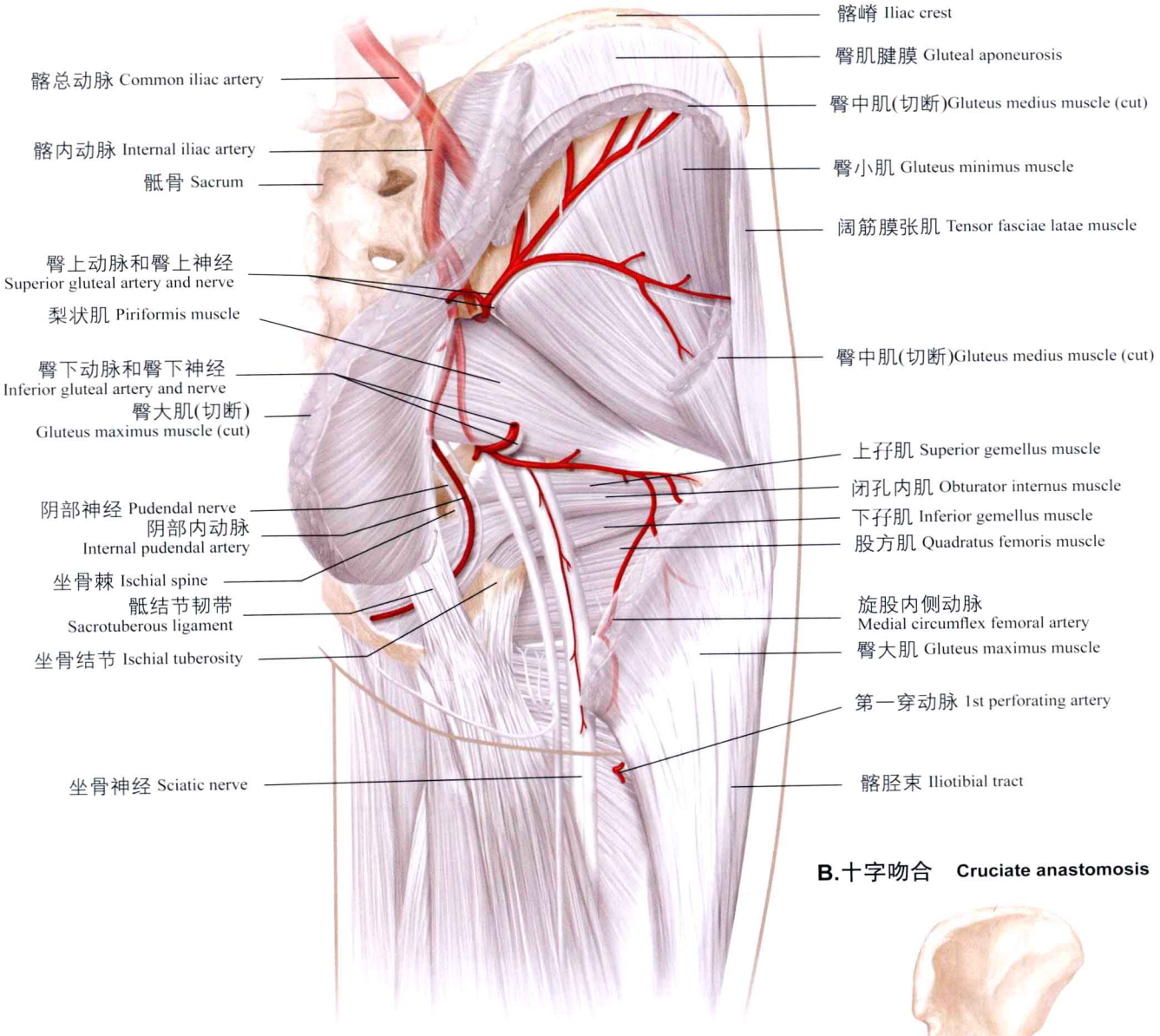
A.浅层解剖 Superficial dissection



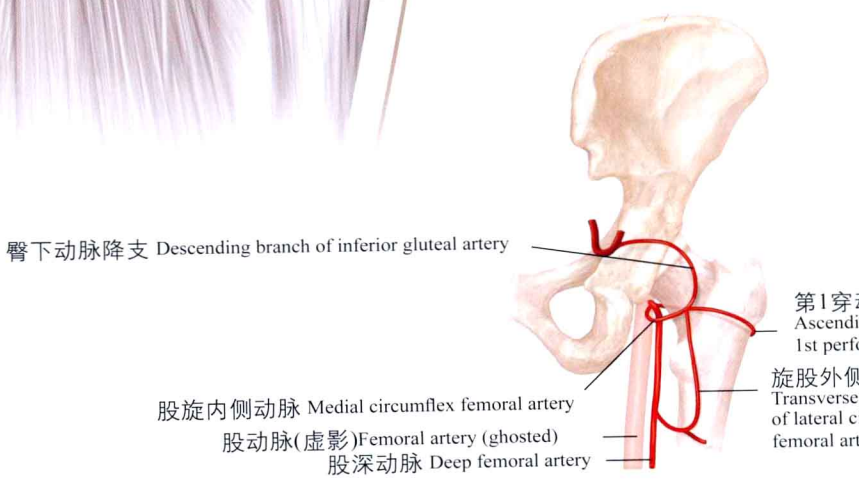
B.深层解剖 Deep dissection

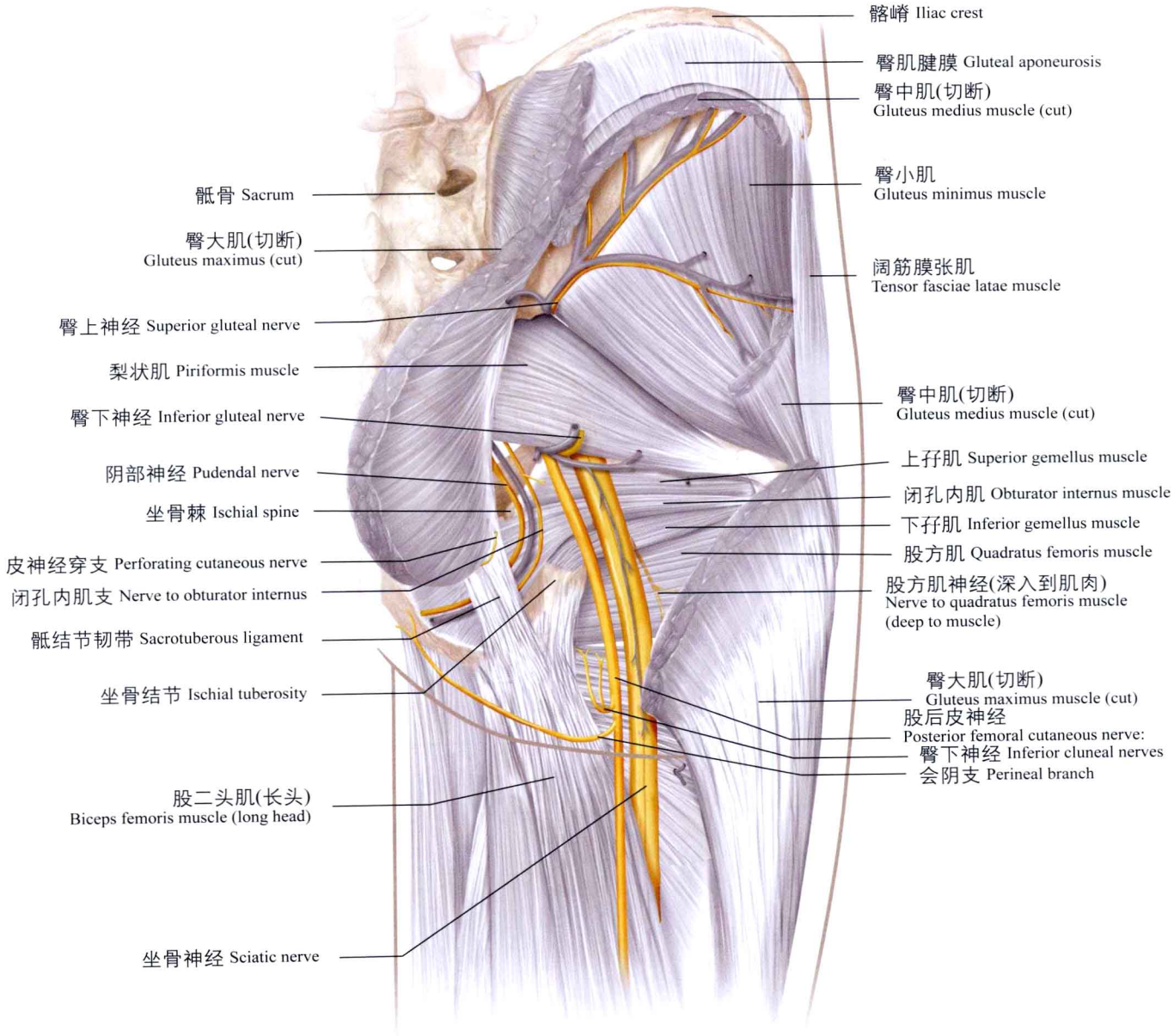


A.动脉 Arteries



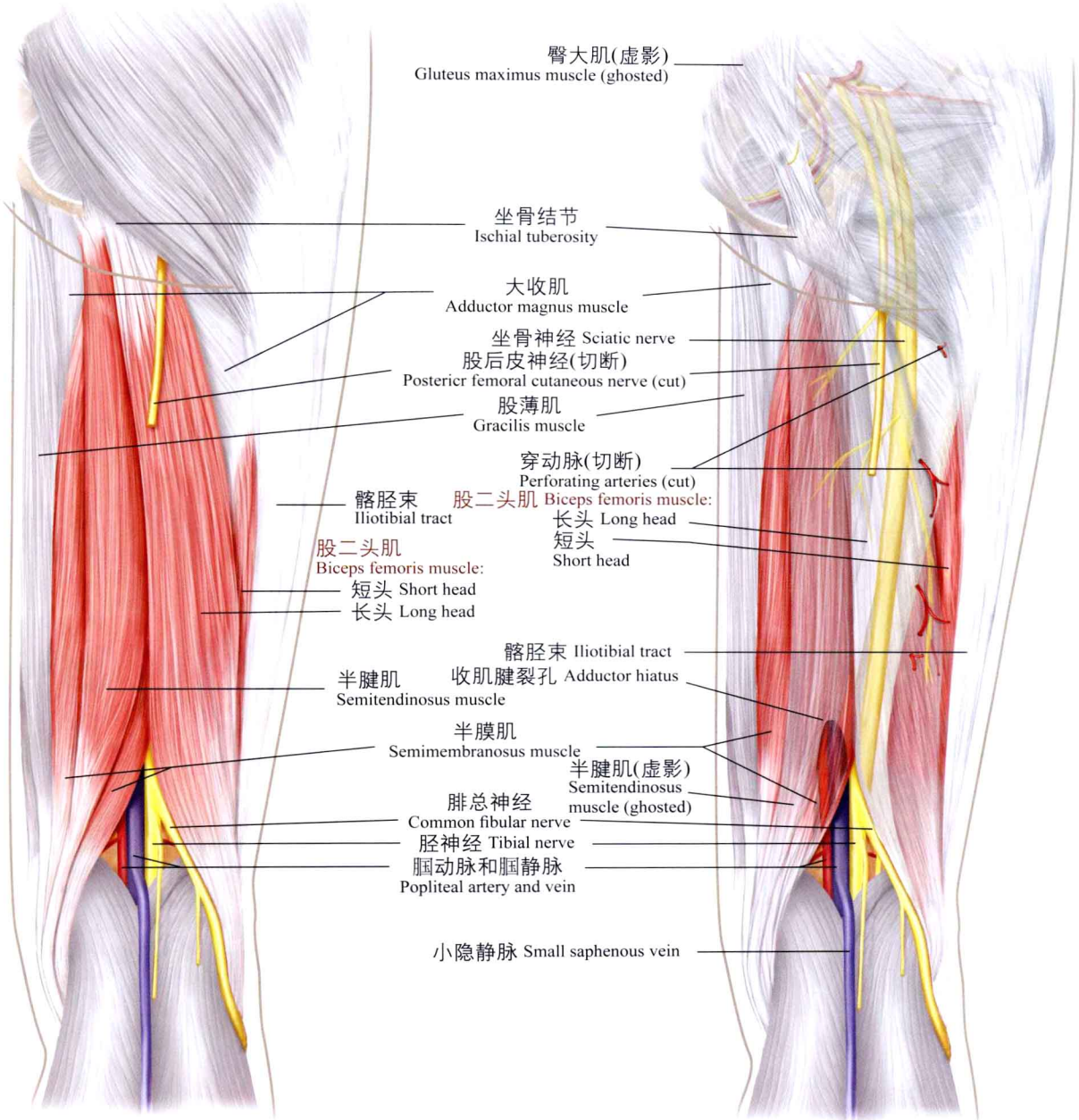
B.十字吻合 Cruciate anastomosis

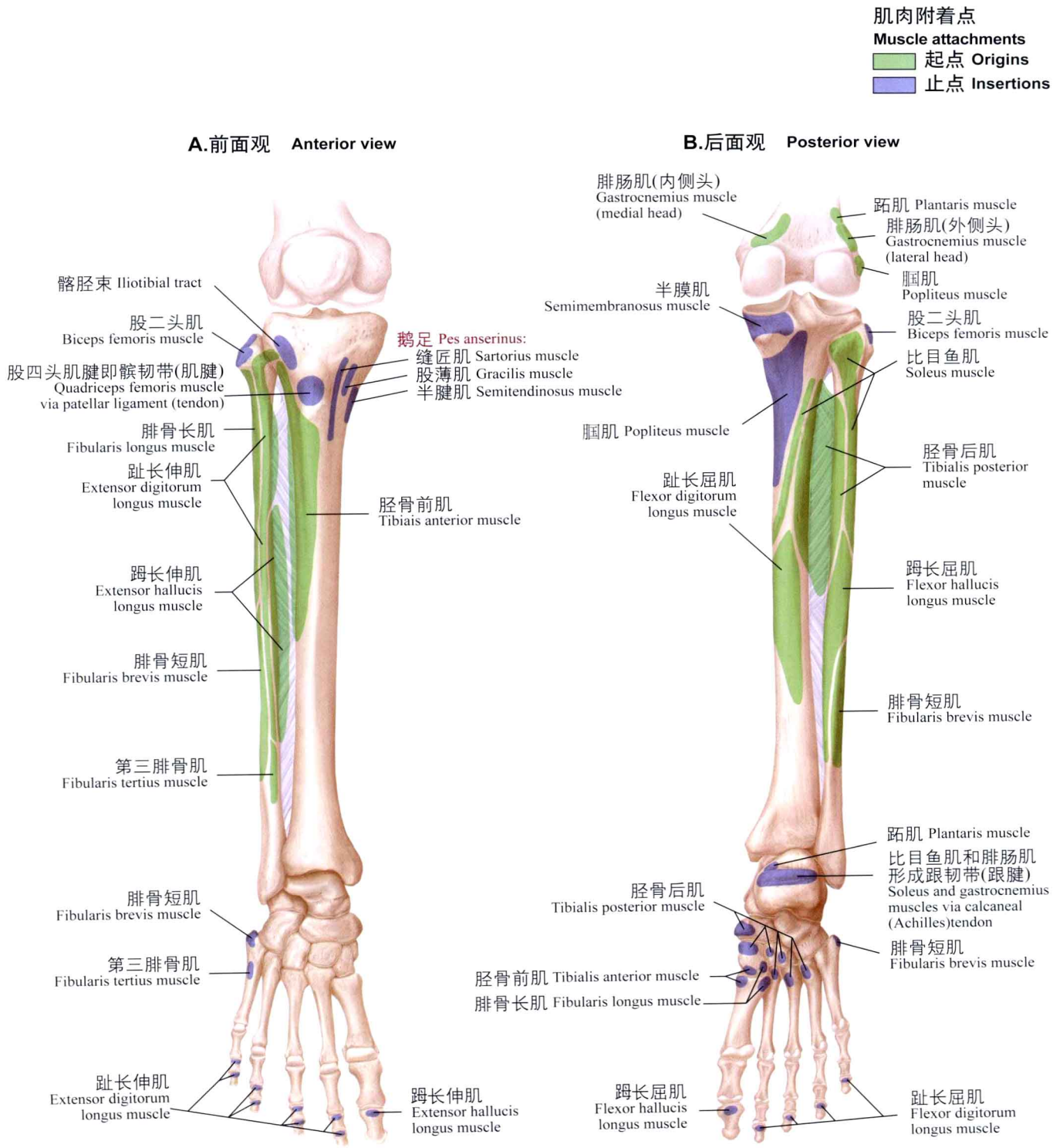



髂嵴 Iliac crest
臀肌腱膜 Gluteal aponeurosis
臀中肌(切断)
Gluteus medius muscle (cut)
臀小肌
Gluteus minimus muscle
阔筋膜张肌
Tensor fasciae latae muscle
臀中肌(切断)
Gluteus medius muscle (cut)
上孖肌 Superior gemellus muscle
闭孔内肌 Obturator internus muscle
下孖肌 Inferior gemellus muscle
股方肌 Quadratus femoris muscle
股方肌神经(深入到肌肉)
Nerve to quadratus femoris muscle
(deep to muscle)
臀大肌(切断)
Gluteus maximus muscle (cut)
股后皮神经
Posterior femoral cutaneous nerve:
臀下神经 Inferior cluneal nerves
会阴支 Perineal branch
骶骨 Sacrum
臀大肌(切断)
Gluteus maximus (cut)
臀上神经 Superior gluteal nerve
梨状肌 Piriformis muscle
臀下神经 Inferior gluteal nerve
阴部神经 Pudendal nerve
坐骨棘 Ischial spine
皮神经穿支 Perforating cutaneous nerve
闭孔内肌支 Nerve to obturator internus
骶结节韧带 Sacrotuberous ligament
坐骨结节 Ischial tuberosity
股二头肌(长头)
Biceps femoris muscle (long head)
坐骨神经 Sciatic nerve

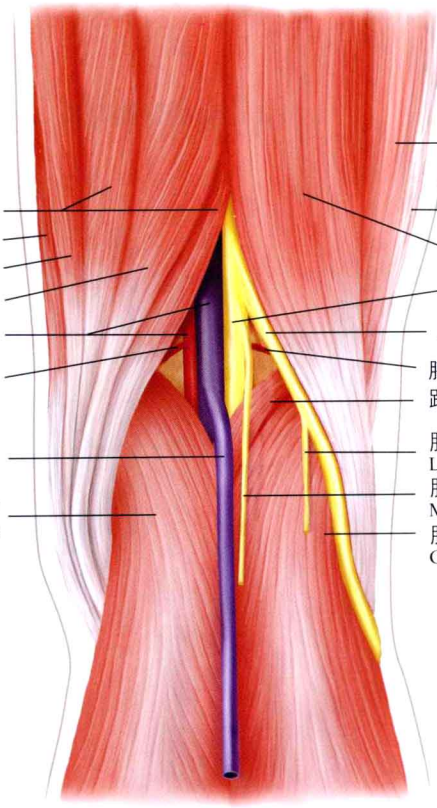
A.浅层解剖 Superficial dissection

B.深层解剖 Deep dissection

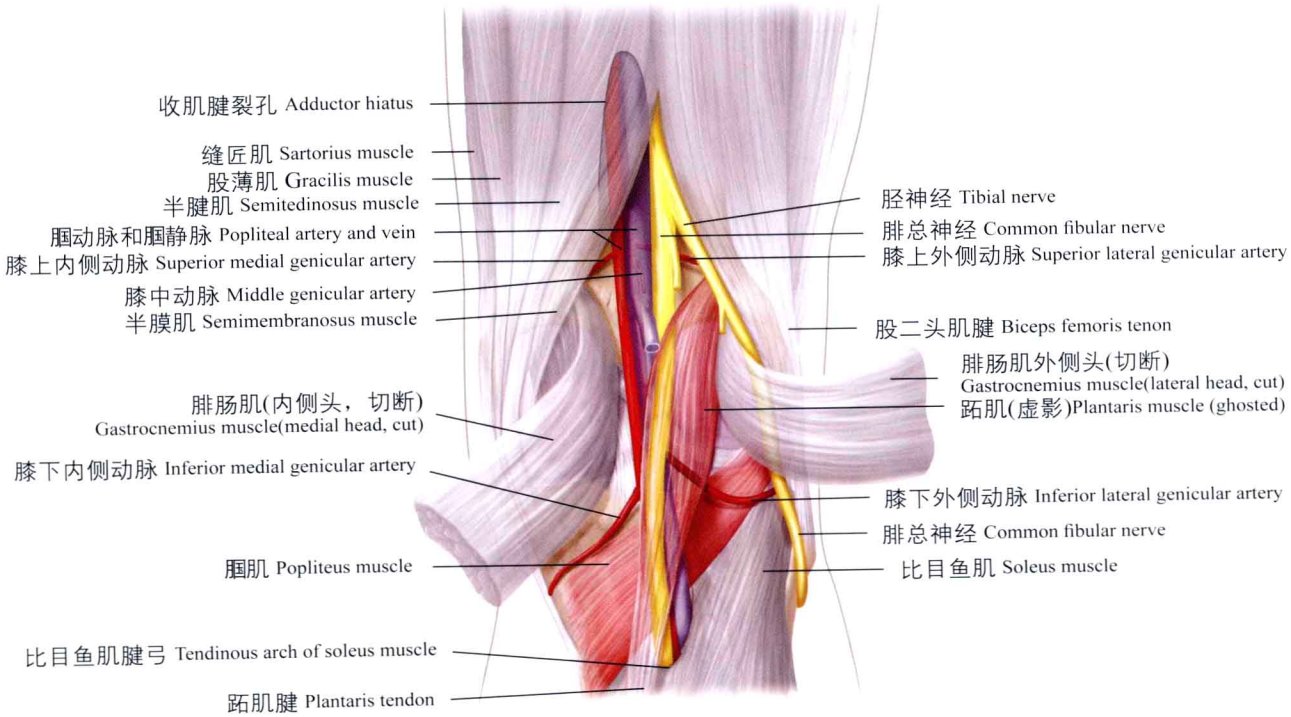



肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
A.前面观 Anterior view
髂胫束 Iliotibial tract
股二头肌 Biceps femoris muscle
股四头肌腱即髌韧带(肌腱) Quadriceps femoris muscle via patellar ligament (tendon)
腓骨长肌 Fibularis longus muscle
趾长伸肌 Extensor digitorum longus muscle
鹅足 Pes anserinus:
缝匠肌 Sartorius muscle
股薄肌 Gracilis muscle
半腱肌 Semitendinosus muscle
胫骨前肌 Tibiais anterior muscle
跨长伸肌 Extensor hallucis longus muscle
腓骨短肌 Fibularis brevis muscle
第三腓骨肌 Fibularis tertius muscle
腓骨短肌 Fibularis brevis muscle
第三腓骨肌 Fibularis tertius muscle
趾长伸肌 Extensor digitorum longus muscle
跨长伸肌 Extensor hallucis longus muscle
B.后面观 Posterior view
腓肠肌(内侧头) Gastrocnemius muscle (medial head)
跖肌 Plantaris muscle
腓肠肌(外侧头) Gastrocnemius muscle (lateral head)
腘肌 Popliteus muscle
半膜肌 Semimembranosus muscle
股二头肌 Biceps femoris muscle
比目鱼肌 Soleus muscle
腘肌 Popliteus muscle
胫骨后肌 Tibialis posterior muscle
趾长屈肌 Flexor digitorum longus muscle
跨长屈肌 Flexor hallucis longus muscle
腓骨短肌 Fibularis brevis muscle
跖肌 Plantaris muscle
比目鱼肌和腓肠肌形成跟韧带(跟腱) Soleus and gastrocnemius muscles via calcaneal (Achilles)tendon
胫骨后肌 Tibialis posterior muscle
腓骨短肌 Fibularis brevis muscle
胫骨前肌 Tibialis anterior muscle
腓骨长肌 Fibularis longus muscle
跨长屈肌 Flexor hallucis longus muscle
趾长屈肌 Flexor digitorum longus muscle

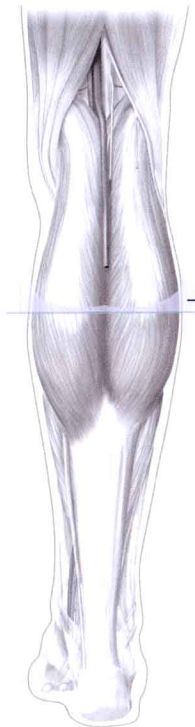
A.浅层解剖 Superficial dissection



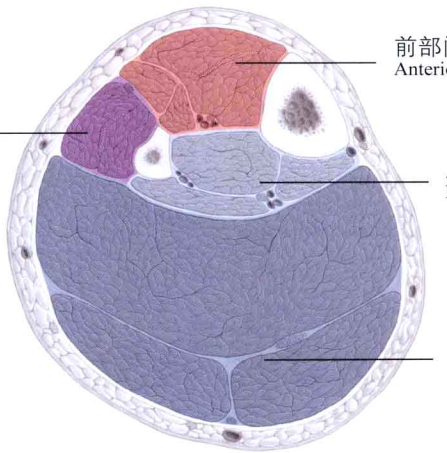
B.深层解剖 Deep dissection



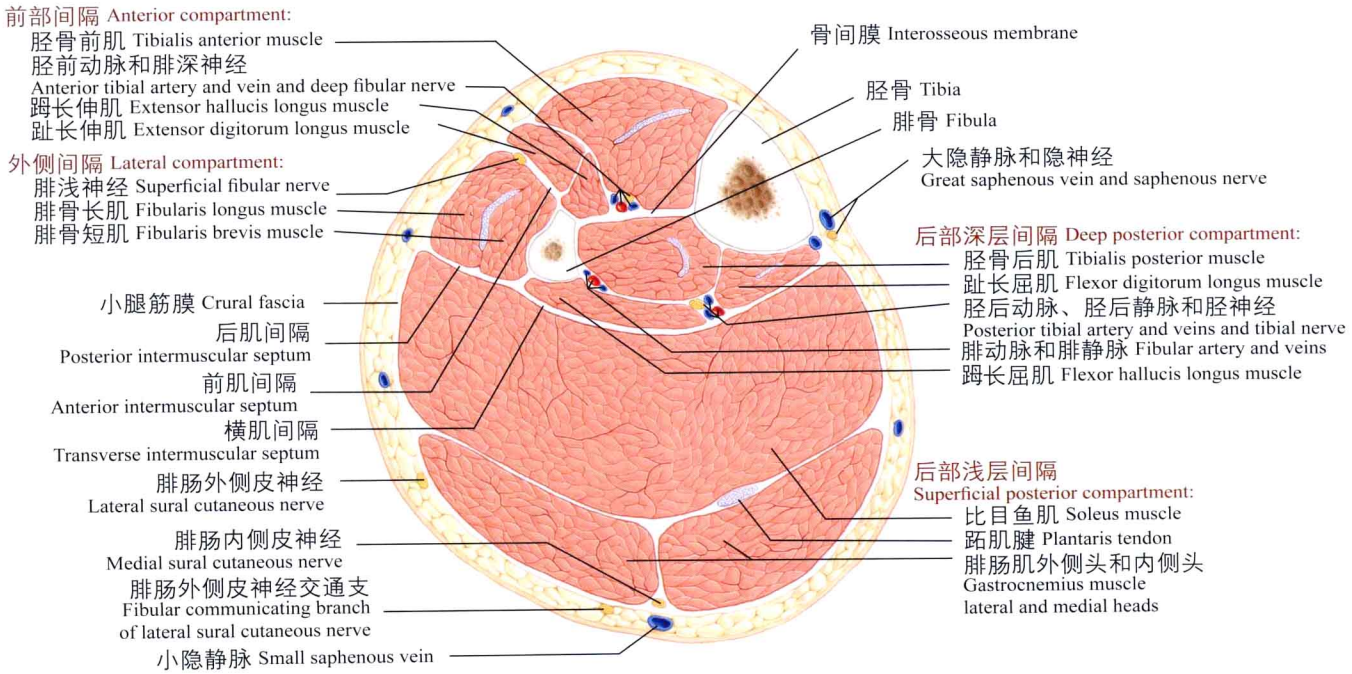
A.定位 Orientation

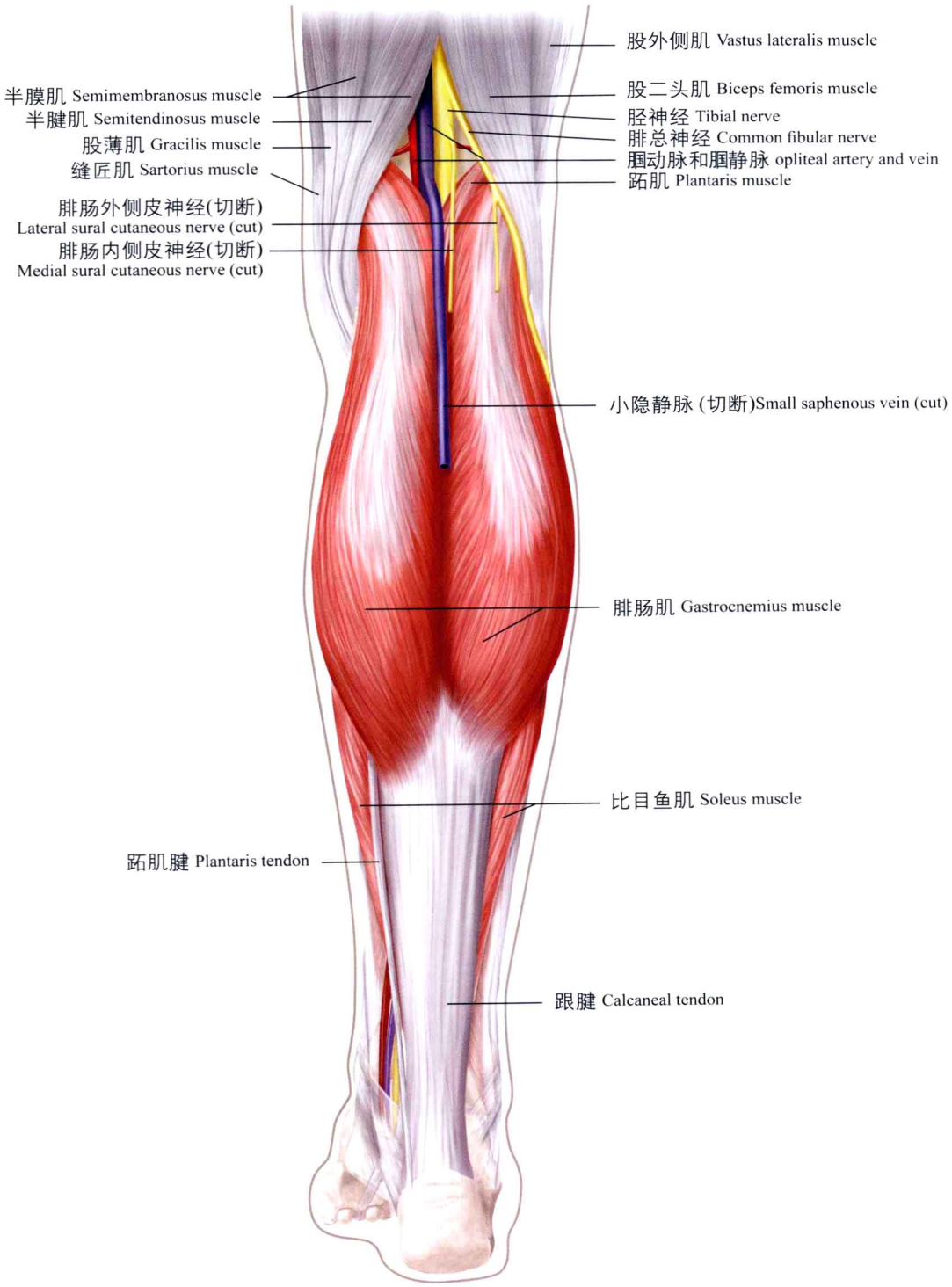


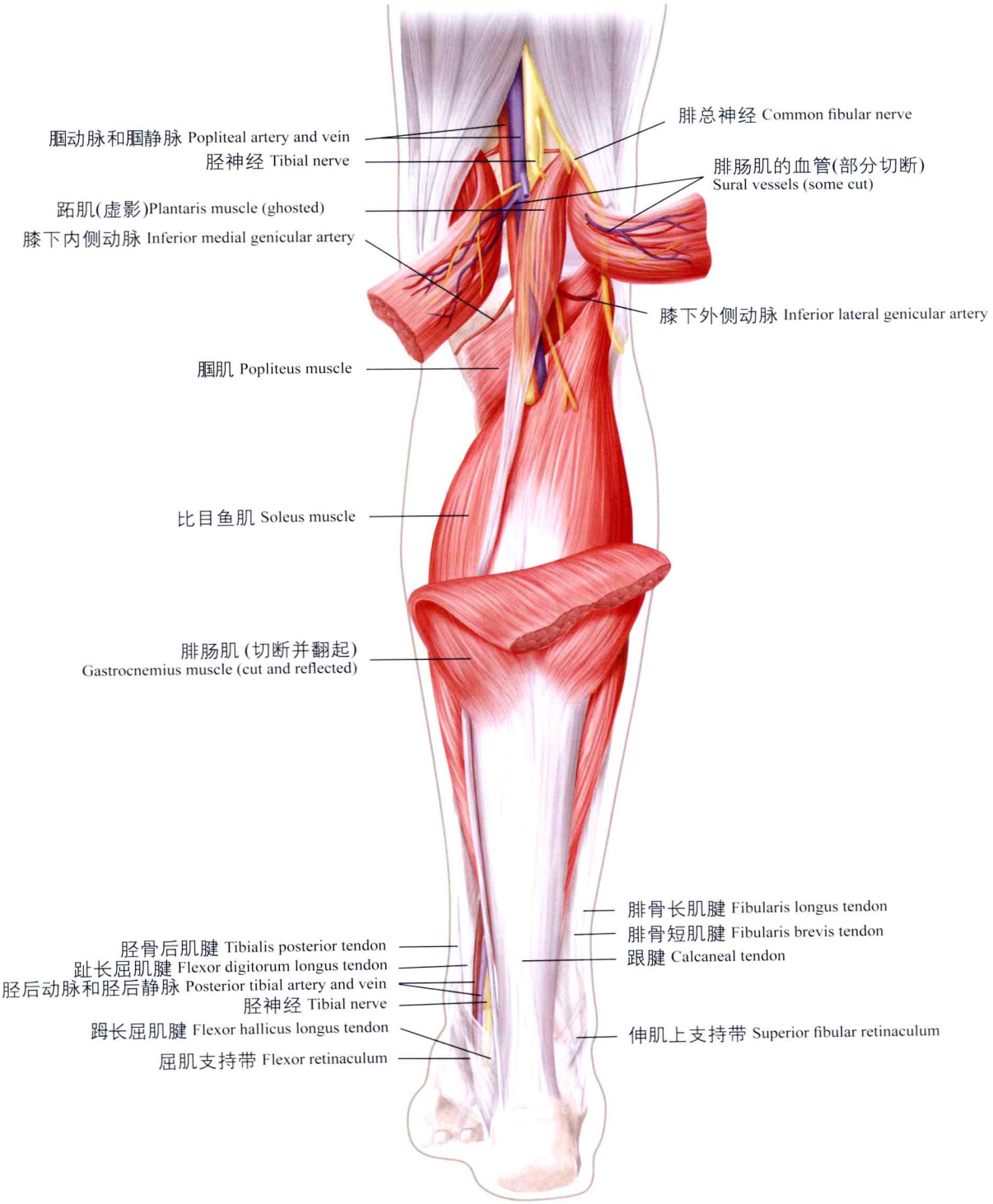
B.小腿的骨筋膜鞘 Compartments of the leg

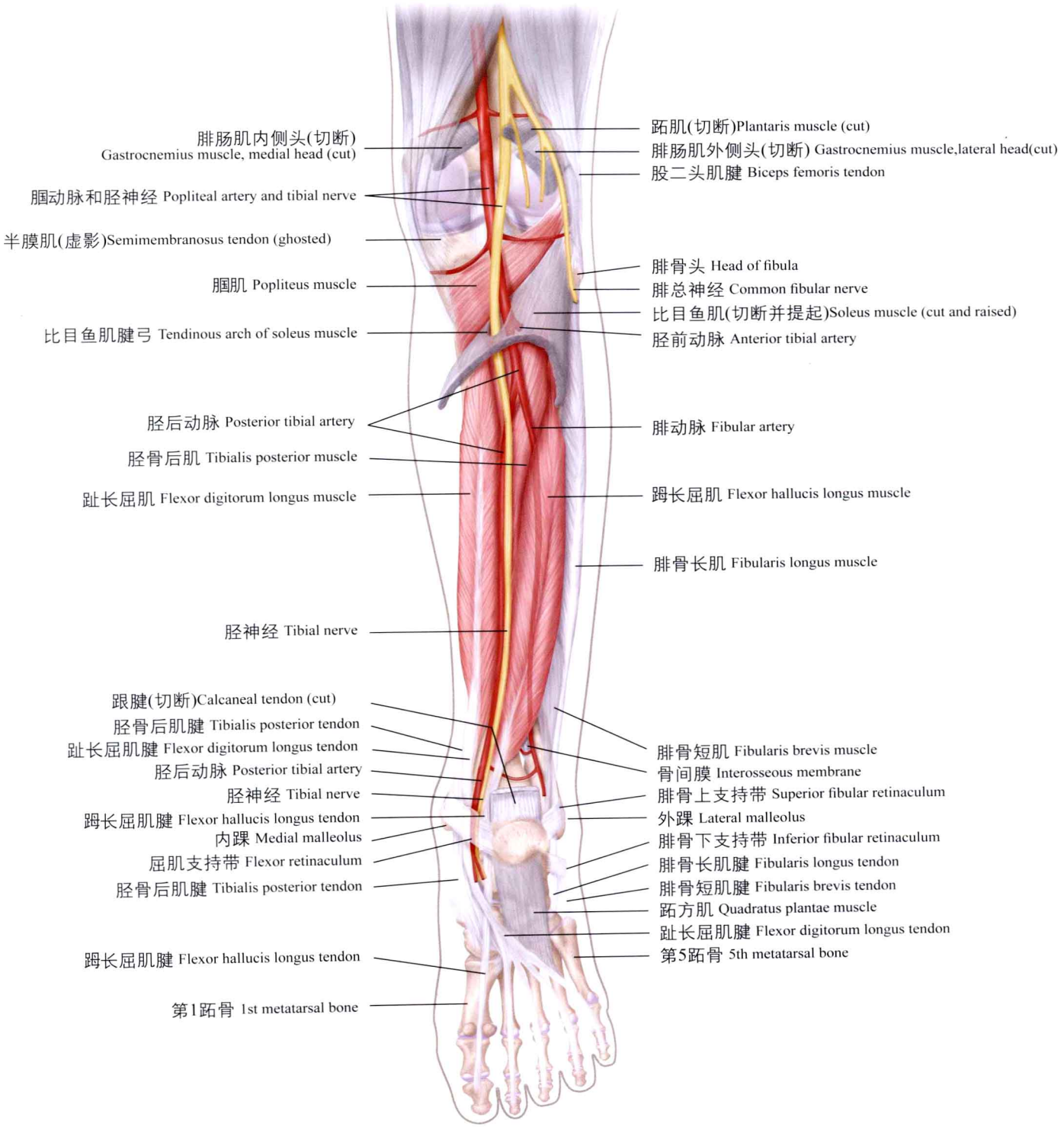


C.断面 Cross section

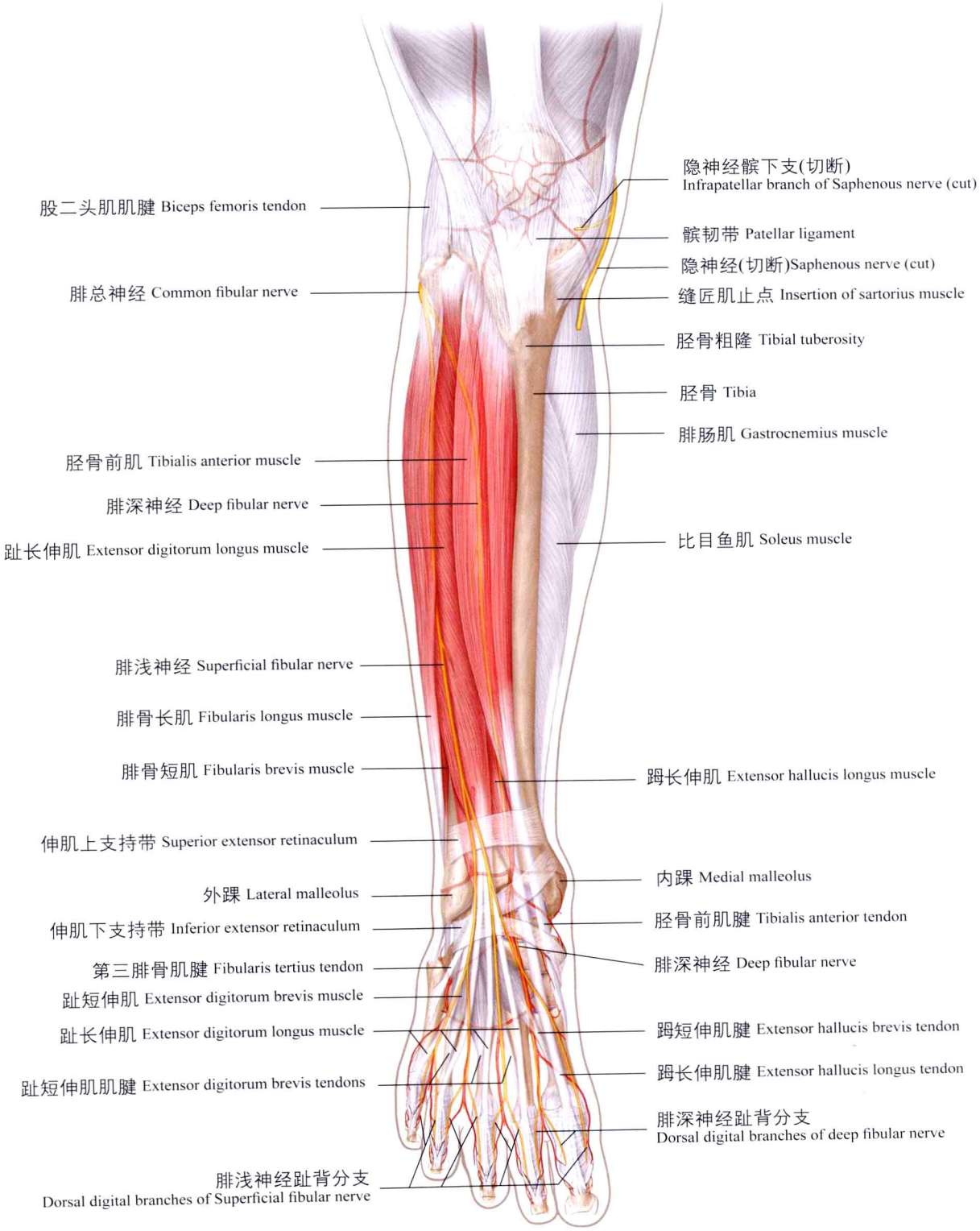



股外侧肌 Vastus lateralis muscle
半膜肌 Semimembranosus muscle
半腱肌 Semitendinosus muscle
股薄肌 Gracilis muscle
缝匠肌 Sartorius muscle
股二头肌 Biceps femoris muscle
胫神经 Tibial nerve
腓总神经 Common fibular nerve
腘动脉和腘静脉 opliteal artery and vein
跖肌 Plantaris muscle
腓肠外侧皮神经(切断)
Lateral sural cutaneous nerve (cut)
腓肠内侧皮神经(切断)
Medial sural cutaneous nerve (cut)
小隐静脉 (切断)Small saphenous vein (cut)
腓肠肌 Gastrocnemius muscle
比目鱼肌 Soleus muscle
跖肌腱 Plantaris tendon
跟腱 Calcaneal tendon

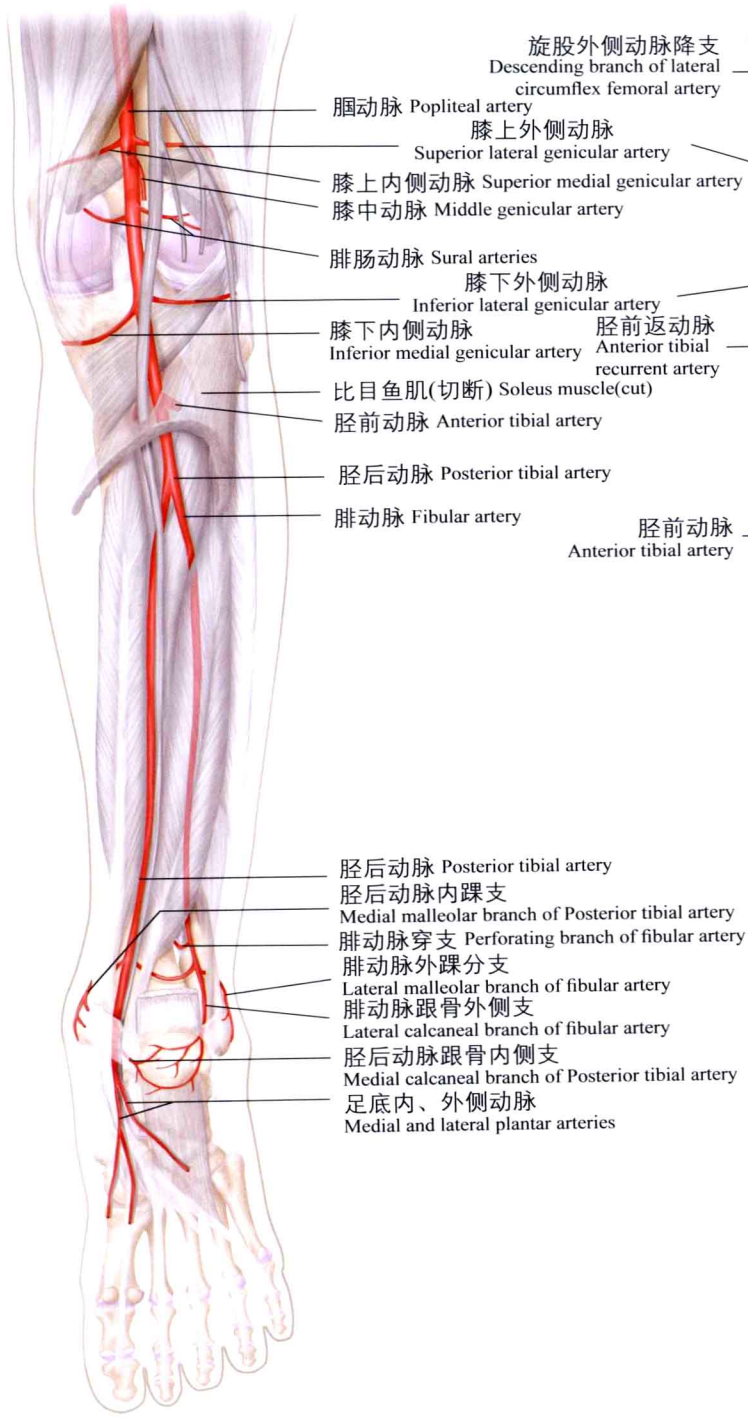

腘动脉和腘静脉 Popliteal artery and vein
胫神经 Tibial nerve
跖肌(虚影)Plantaris muscle (ghosted)
膝下内侧动脉 Inferior medial genicular artery
腘肌 Popliteus muscle
比目鱼肌 Soleus muscle
腓肠肌 (切断并翻起)
Gastrocnemius muscle (cut and reflected)
胫骨后肌腱 Tibialis posterior tendon
趾长屈肌腱 Flexor digitorum longus tendon
胫后动脉和胫后静脉 Posterior tibial artery and vein
胫神经 Tibial nerve
跨长屈肌腱 Flexor hallicus longus tendon
屈肌支持带 Flexor retinaculum
腓总神经 Common fibular nerve
腓肠肌的血管(部分切断)
Sural vessels (some cut)
膝下外侧动脉 Inferior lateral genicular artery
腓骨长肌腱 Fibularis longus tendon
腓骨短肌腱 Fibularis brevis tendon
跟腱 Calcaneal tendon
伸肌上支持带 Superior fibular retinaculum


腓肠肌内侧头(切断)
Gastrocnemius muscle, medial head (cut)
腘动脉和胫神经 Popliteal artery and tibial nerve
半膜肌(虚影)Semimembranosus tendon (ghosted)
腘肌 Popliteus muscle
比目鱼肌腱弓 Tendinous arch of soleus muscle
胫后动脉 Posterior tibial artery
胫骨后肌 Tibialis posterior muscle
趾长屈肌 Flexor digitorum longus muscle
胫神经 Tibial nerve
跟腱(切断)Calcaneal tendon (cut)
胫骨后肌腱 Tibialis posterior tendon
趾长屈肌腱 Flexor digitorum longus tendon
胫后动脉 Posterior tibial artery
胫神经 Tibial nerve
跨长屈肌腱 Flexor hallucis longus tendon
内踝 Medial malleolus
屈肌支持带 Flexor retinaculum
胫骨后肌腱 Tibialis posterior tendon
跨长屈肌腱 Flexor hallucis longus tendon
第1跖骨 1st metatarsal bone
跖肌(切断)Plantaris muscle (cut)
腓肠肌外侧头(切断) Gastrocnemius muscle,lateral head(cut)
股二头肌腱 Biceps femoris tendon
腓骨头 Head of fibula
腓总神经 Common fibular nerve
比目鱼肌(切断并提起)Soleus muscle (cut and raised)
胫前动脉 Anterior tibial artery
腓动脉 Fibular artery
跨长屈肌 Flexor hallucis longus muscle
腓骨长肌 Fibularis longus muscle
腓骨短肌 Fibularis brevis muscle
骨间膜 Interosseous membrane
腓骨上支持带 Superior fibular retinaculum
外踝 Lateral malleolus
腓骨下支持带 Inferior fibular retinaculum
腓骨长肌腱 Fibularis longus tendon
腓骨短肌腱 Fibularis brevis tendon
跖方肌 Quadratus plantae muscle
趾长屈肌腱 Flexor digitorum longus tendon
第5跖骨 5th metatarsal bone

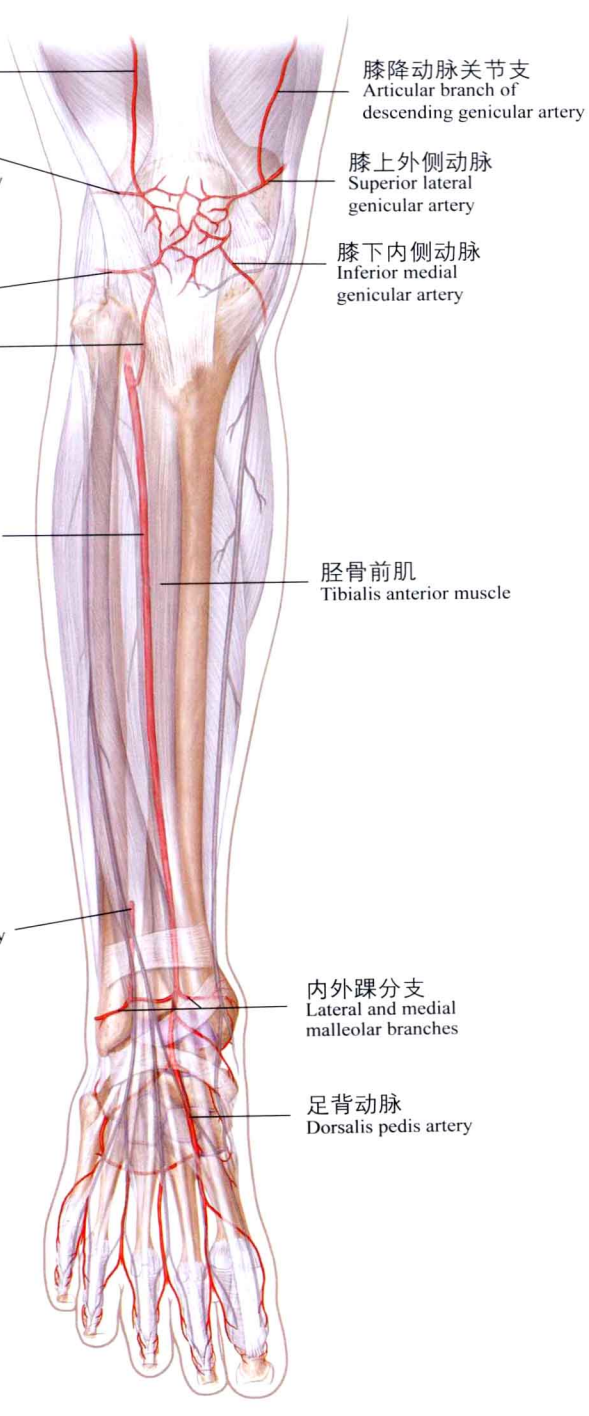

髂胫束 Iliotibial tract
股二头肌腱 Tendon of biceps femoris muscle
腓侧副韧带 Fibular collateral ligament
腓总神经 Common fibular nerve
腓骨头 Head of fibula
胫骨外侧髁 Lateral condyle of tibia
髌韧带 Patellar ligament
胫骨粗隆 Tibial tuberosity
腓肠肌 Gastrocnemius muscle
比目鱼肌 Soleus muscle
胫骨前肌 Tibialis anterior muscle
腓骨长肌 Fibularis longus muscle
趾长伸肌 Extensor digitorum longus muscle
腓浅神经 Superficial fibular nerve
趾长伸肌 Extensor digitorum longus muscle
腓骨短肌 Fibularis brevis muscle
跨长伸肌腱 Extensor hallucis longus tendon
伸肌上支持带 Superior extensor retinaculum
伸肌下支持带 Inferior extensor retinaculum
跟腱 Calcaneal tendon
趾短伸肌 Extensor digitorum brevis muscle
腓骨 Fibula
跨长伸肌腱 Extensor hallucis longus tendon
外踝 Lateral malleolus
第三腓骨肌腱 Fibularis tertius tendon
伸肌上支持带
Superior fibular retinaculum
趾长伸肌腱
Extensor digitorum longus tendons
腓骨长肌腱 Fibularis longus tendon
腓骨短肌腱 Fibularis brevis tendon
伸肌下支持带 Inferior fibular retinaculum
第5跖骨 5th metatarsal bone


隐神经髌下支(切断)
Infrapatellar branch of Saphenous nerve (cut)
股二头肌肌腱 Biceps femoris tendon
髌韧带 Patellar ligament
隐神经(切断)Saphenous nerve (cut)
腓总神经 Common fibular nerve
缝匠肌止点 Insertion of sartorius muscle
胫骨粗隆 Tibial tuberosity
胫骨 Tibia
腓肠肌 Gastrocnemius muscle
胫骨前肌 Tibialis anterior muscle
腓深神经 Deep fibular nerve
比目鱼肌 Soleus muscle
趾长伸肌 Extensor digitorum longus muscle
腓浅神经 Superficial fibular nerve
腓骨长肌 Fibularis longus muscle
腓骨短肌 Fibularis brevis muscle
跨长伸肌 Extensor hallucis longus muscle
伸肌上支持带 Superior extensor retinaculum
内踝 Medial malleolus
外踝 Lateral malleolus
胫骨前肌腱 Tibialis anterior tendon
伸肌下支持带 Inferior extensor retinaculum
腓深神经 Deep fibular nerve
第三腓骨肌腱 Fibularis tertius tendon
趾短伸肌 Extensor digitorum brevis muscle
趾长伸肌 Extensor digitorum longus muscle
跨短伸肌腱 Extensor hallucis brevis tendon
趾短伸肌肌腱 Extensor digitorum brevis tendons
跨长伸肌腱 Extensor hallucis longus tendon
腓深神经趾背分支
Dorsal digital branches of deep fibular nerve
腓浅神经趾背分支
Dorsal digital branches of Superficial fibular nerve

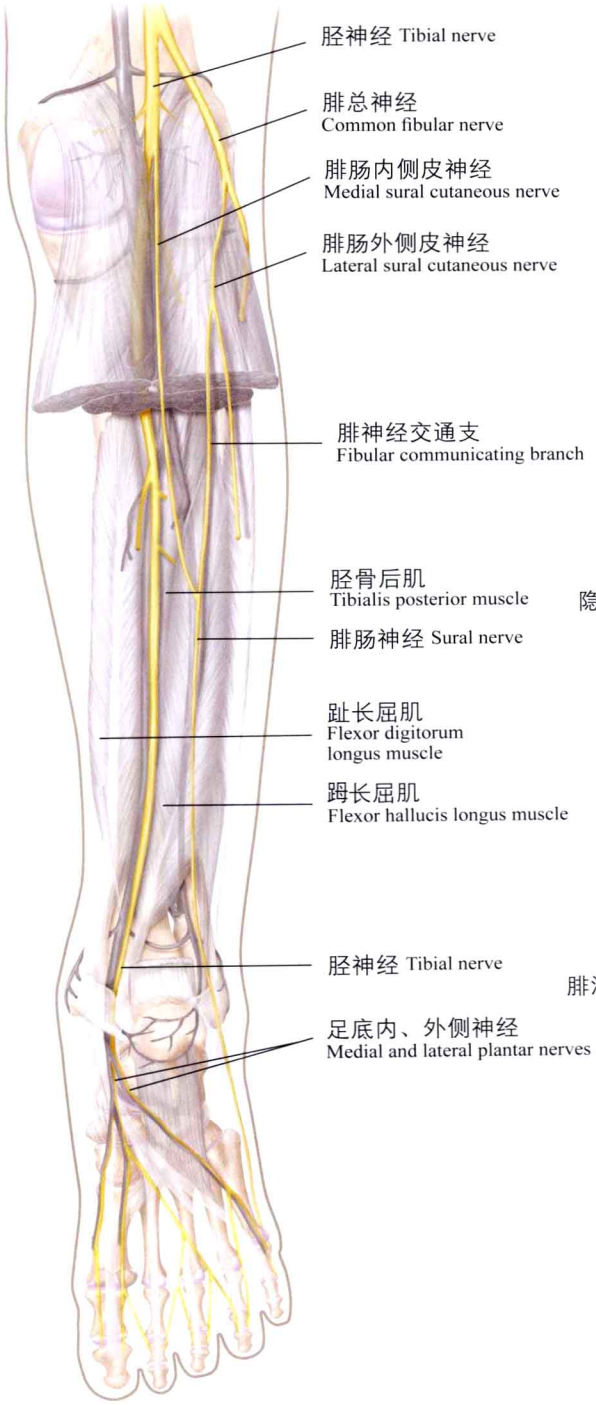
A.后面观 Posterior view



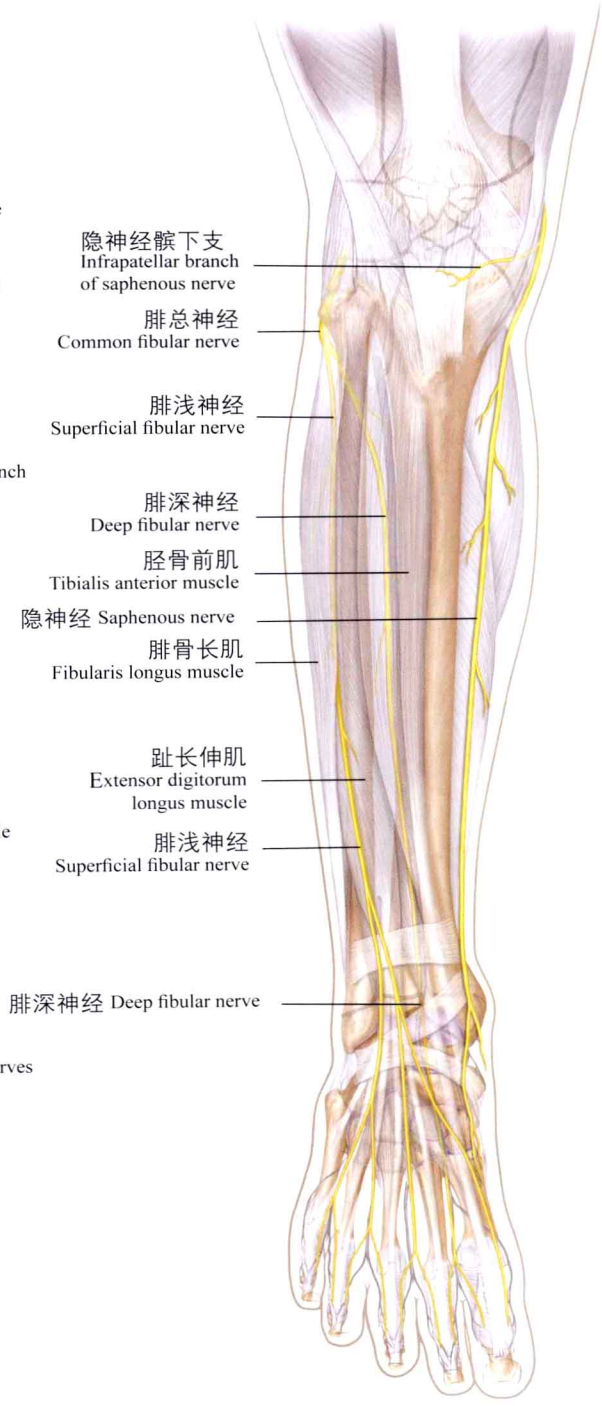
B.前面观 Anterior view

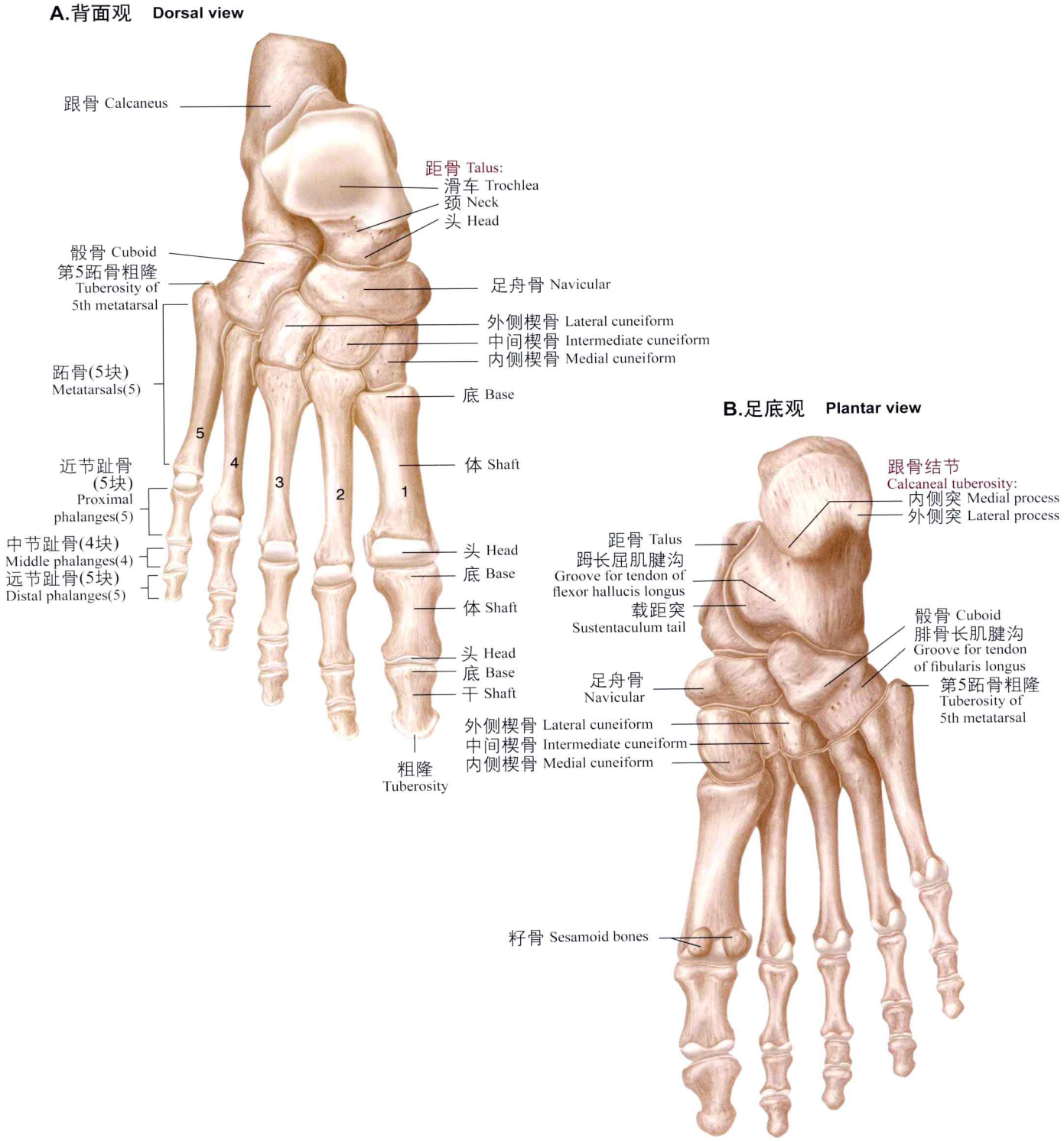


A.后面观 Posterior view

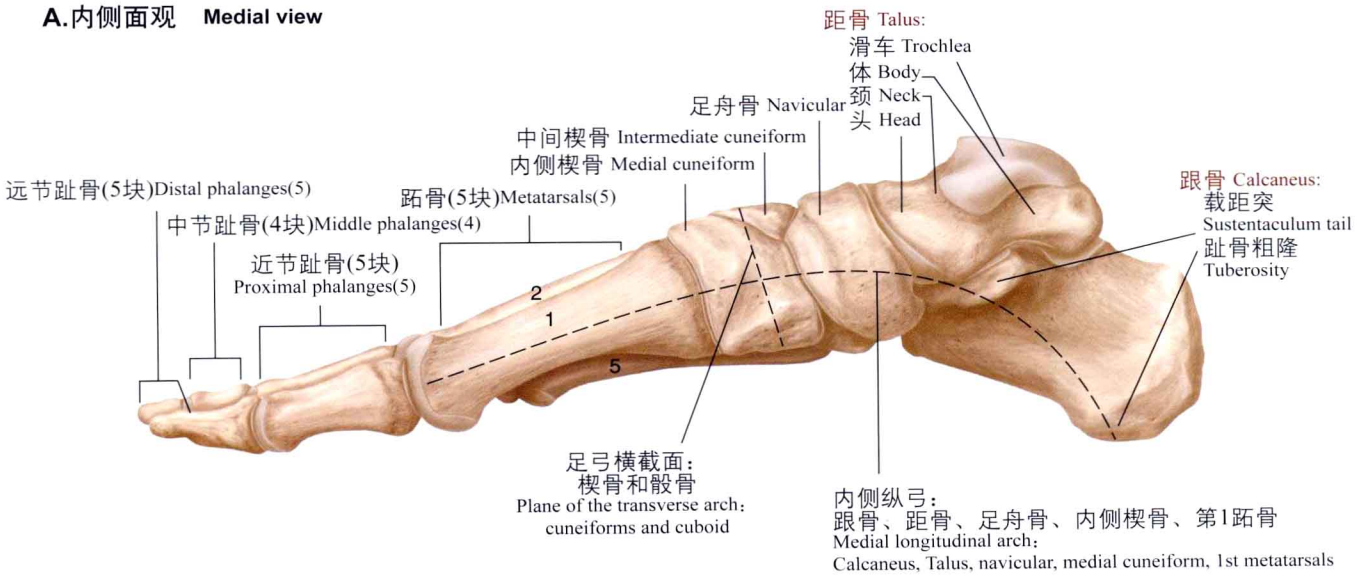


B.前面观 Anterior view

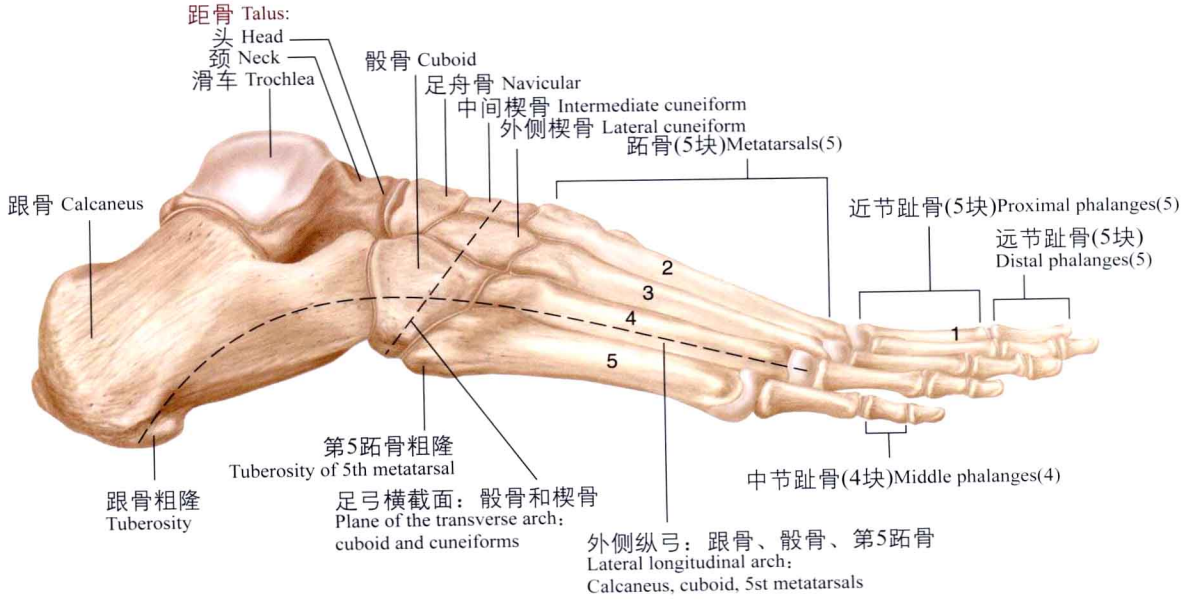



A.背面观 Dorsal view
跟骨 Calcaneus
距骨 Talus:
滑车 Trochlea
颈 Neck
头 Head
骰骨 Cuboid
第5跖骨粗隆
Tuberosity of
5th metatarsal
足舟骨 Navicular
外侧楔骨 Lateral cuneiform
中间楔骨 Intermediate cuneiform
内侧楔骨 Medial cuneiform
跖骨(5块)
Metatarsals(5)
底 Base
体 Shaft
近节趾骨
(5块)
Proximal
phalanges(5)
中节趾骨(4块)
Middle phalanges(4)
远节趾骨(5块)
Distal phalanges(5)
头 Head
底 Base
体 Shaft
头 Head
底 Base
干 Shaft
粗隆
Tuberosity
5
4
3
2
1
B.足底观 Plantar view
跟骨结节
Calcaneal tuberosity:
内侧突 Medial process
外侧突 Lateral process
距骨 Talus
跨长屈肌腱沟
Groove for tendon of
flexor hallucis longus
载距突
Sustentaculum tail
骰骨 Cuboid
腓骨长肌腱沟
Groove for tendon
of fibularis longus
第5跖骨粗隆
Tuberosity of
5th metatarsal
足舟骨
Navicular
外侧楔骨 Lateral cuneiform
中间楔骨 Intermediate cuneiform
内侧楔骨 Medial cuneiform
籽骨 Sesamoid bones

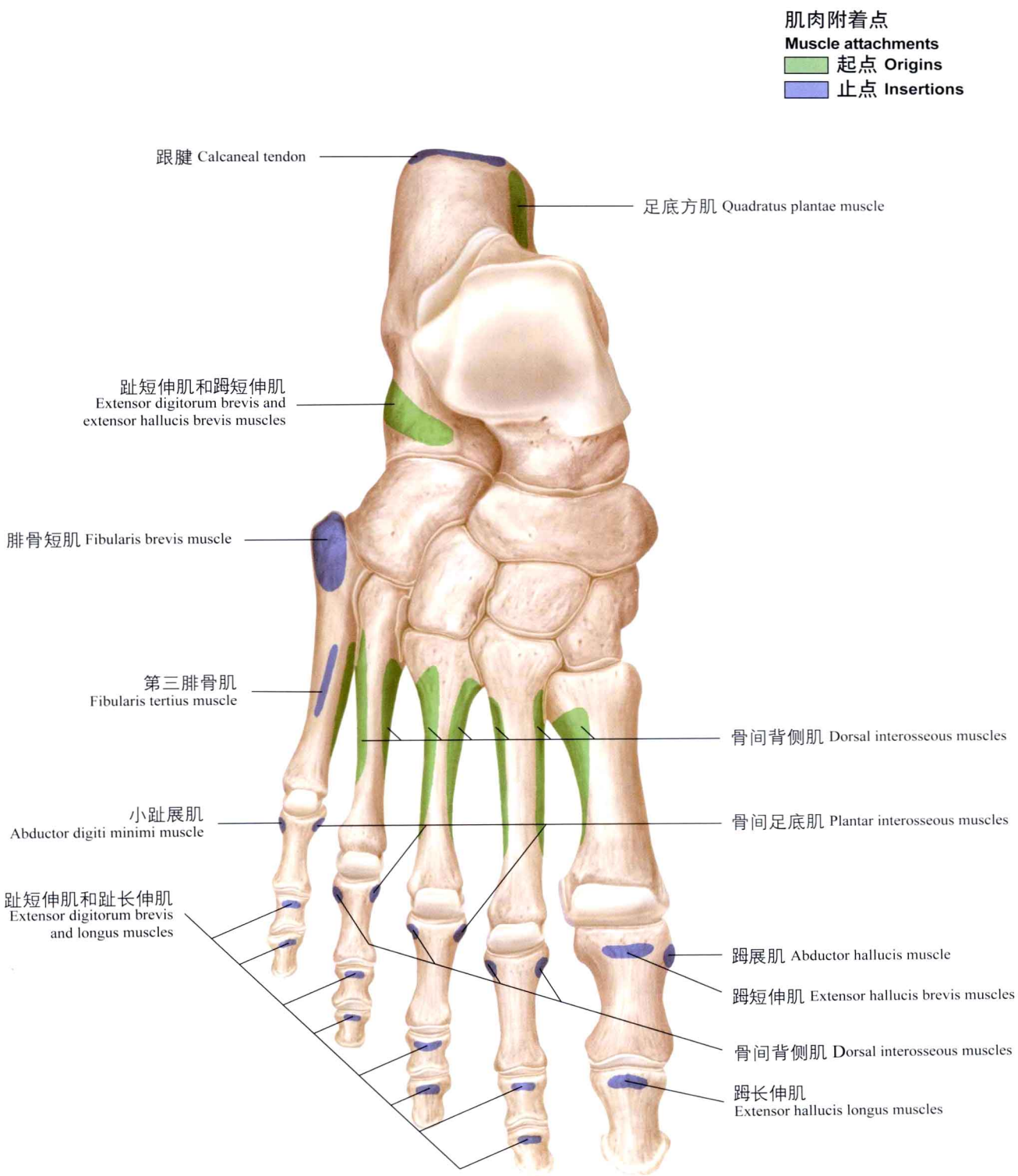
A.内侧面观 Medial view

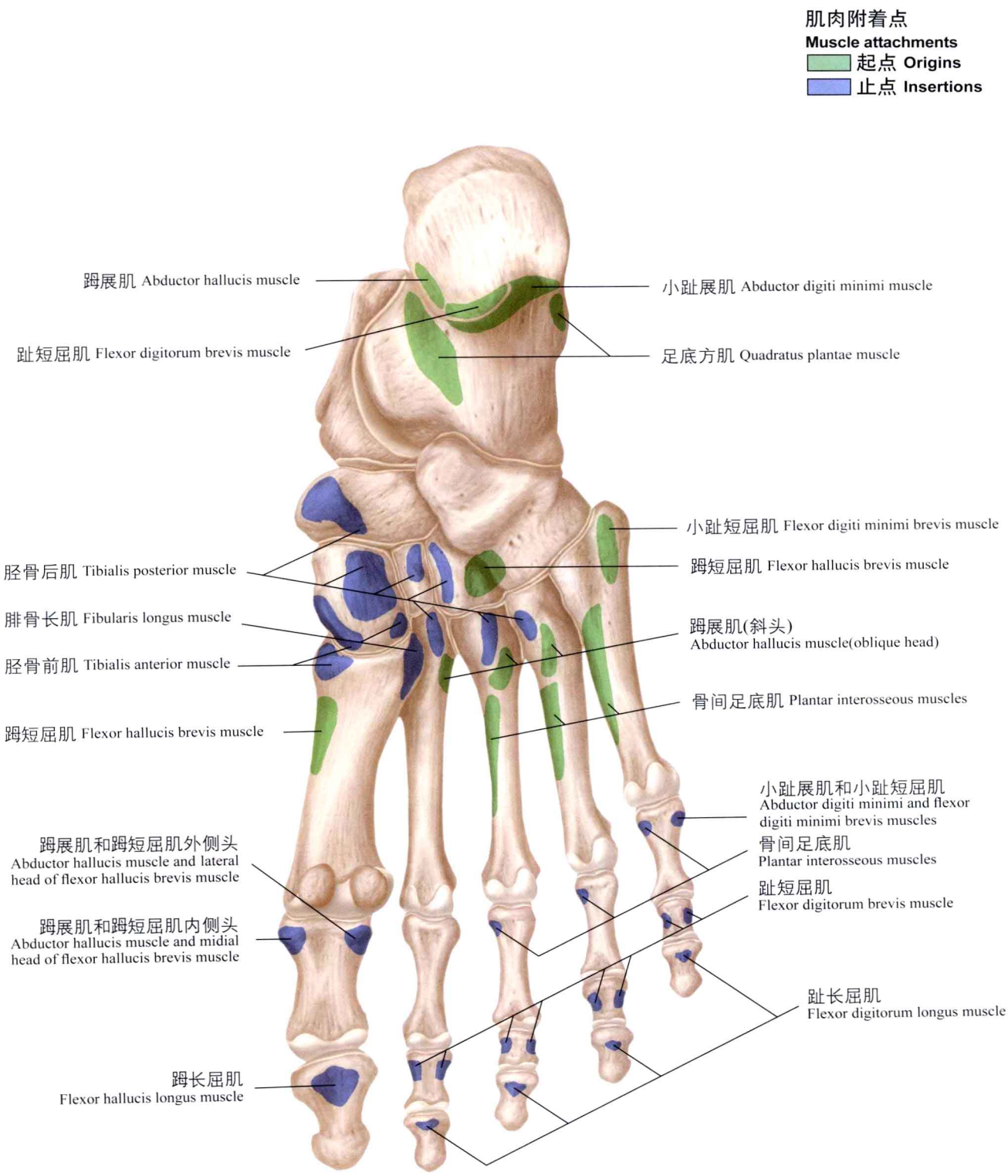


B.外侧面观 Lateral view

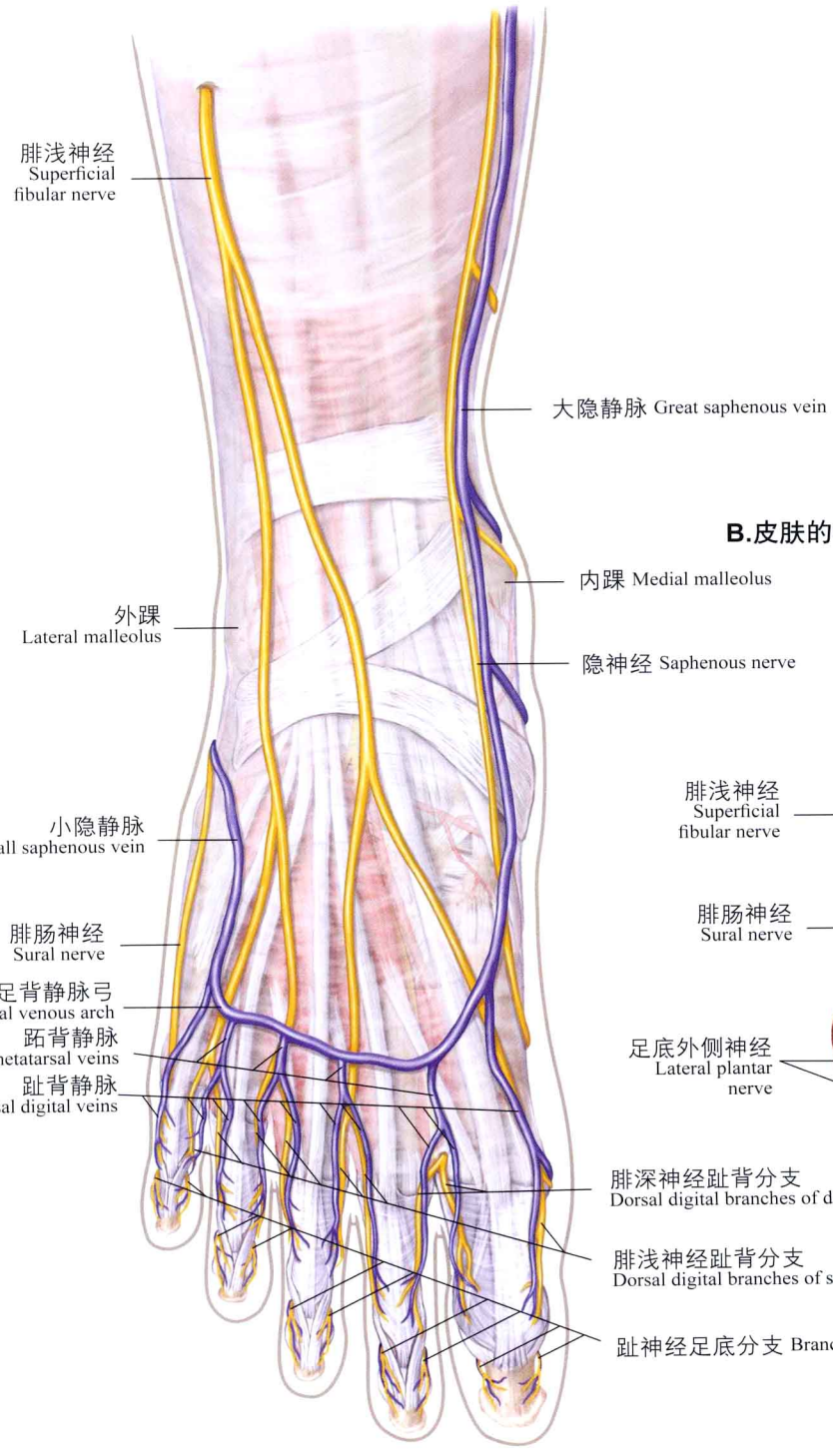


足部肌肉附着点，足背观 Muscle attachments of the Foot, Dorsal Surface

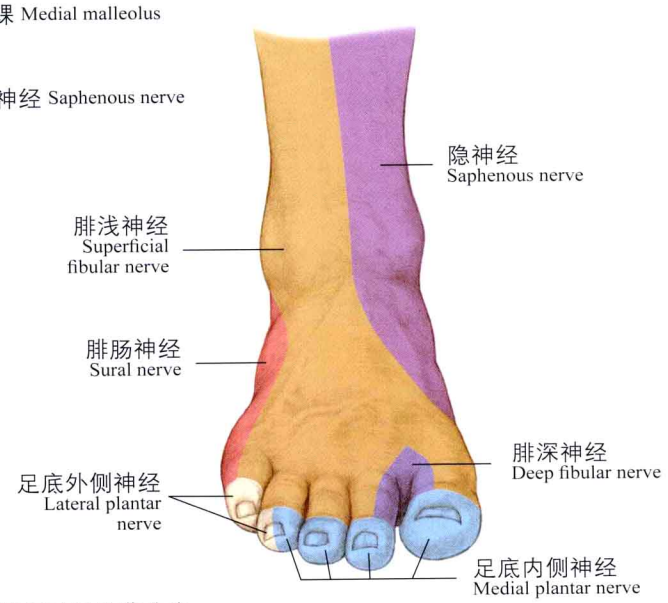


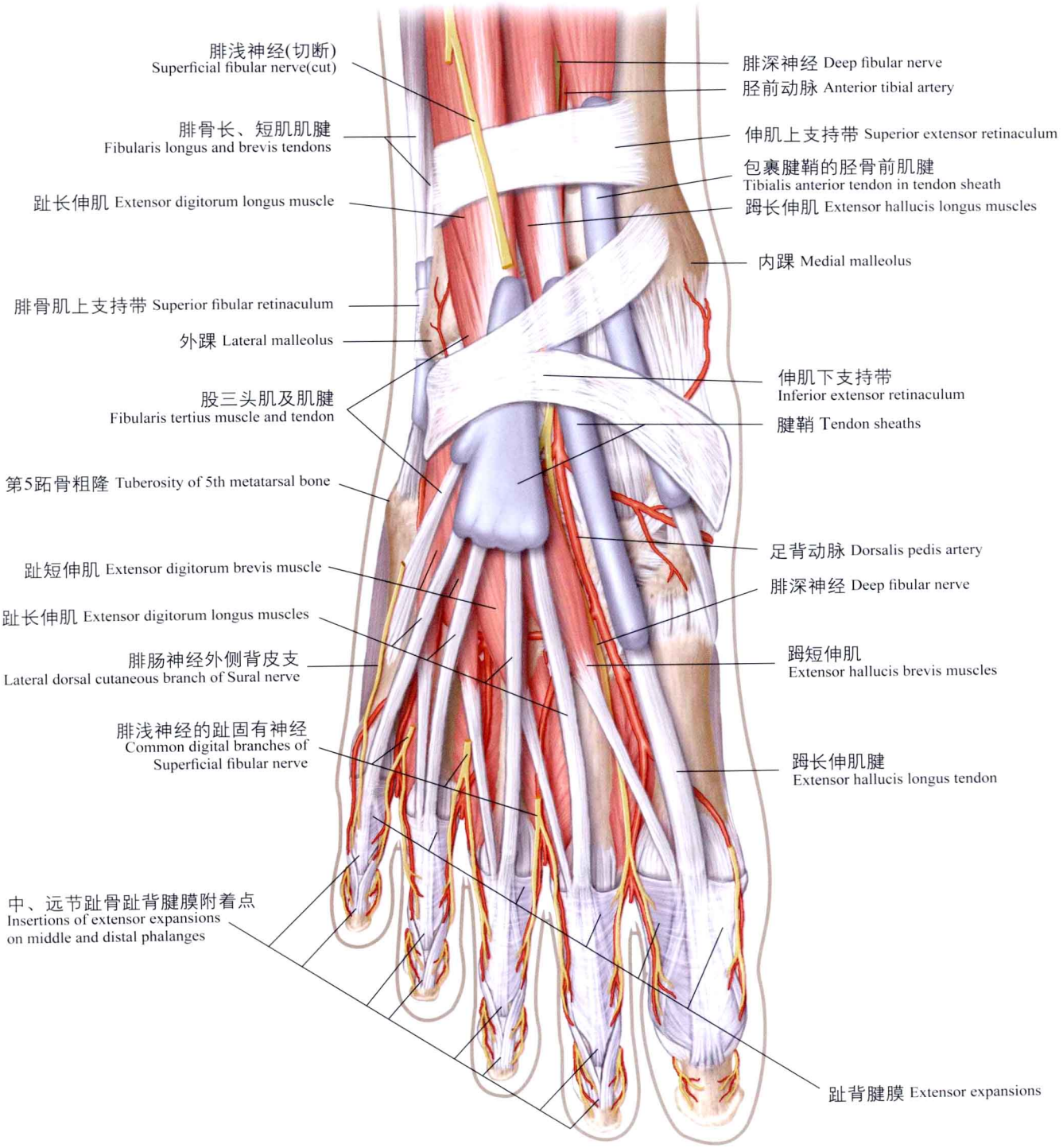

肌肉附着点
Muscle attachments
起点 Origins
止点 Insertions
跨展肌 Abductor hallucis muscle
趾短屈肌 Flexor digitorum brevis muscle
小趾展肌 Abductor digiti minimi muscle
足底方肌 Quadratus plantae muscle
小趾短屈肌 Flexor digiti minimi brevis muscle
胫骨后肌 Tibialis posterior muscle
跨短屈肌 Flexor hallucis brevis muscle
腓骨长肌 Fibularis longus muscle
跨展肌(斜头)
Abductor hallucis muscle(oblique head)
胫骨前肌 Tibialis anterior muscle
骨间足底肌 Plantar interosseous muscles
跨短屈肌 Flexor hallucis brevis muscle
小趾展肌和小趾短屈肌
Abductor digiti minimi and flexor digiti minimi brevis muscles
跨展肌和跨短屈肌外侧头
Abductor hallucis muscle and lateral head of flexor hallucis brevis muscle
骨间足底肌
Plantar interosseous muscles
趾短屈肌
Flexor digitorum brevis muscle
跨展肌和跨短屈肌内侧头
Abductor hallucis muscle and midial head of flexor hallucis brevis muscle
趾长屈肌
Flexor digitorum longus muscle
跨长屈肌
Flexor hallucis longus muscle

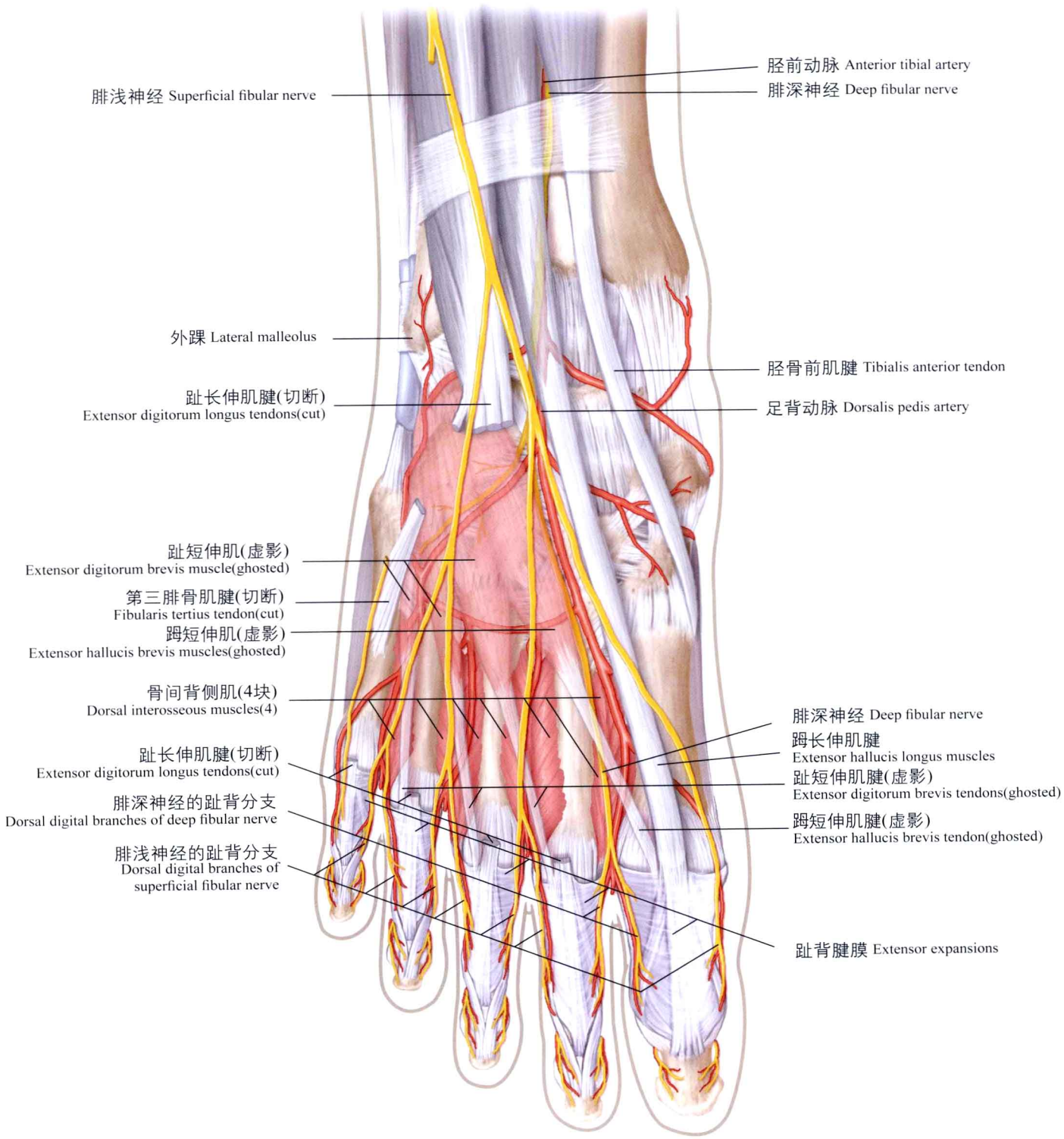
A.解剖 Dissection

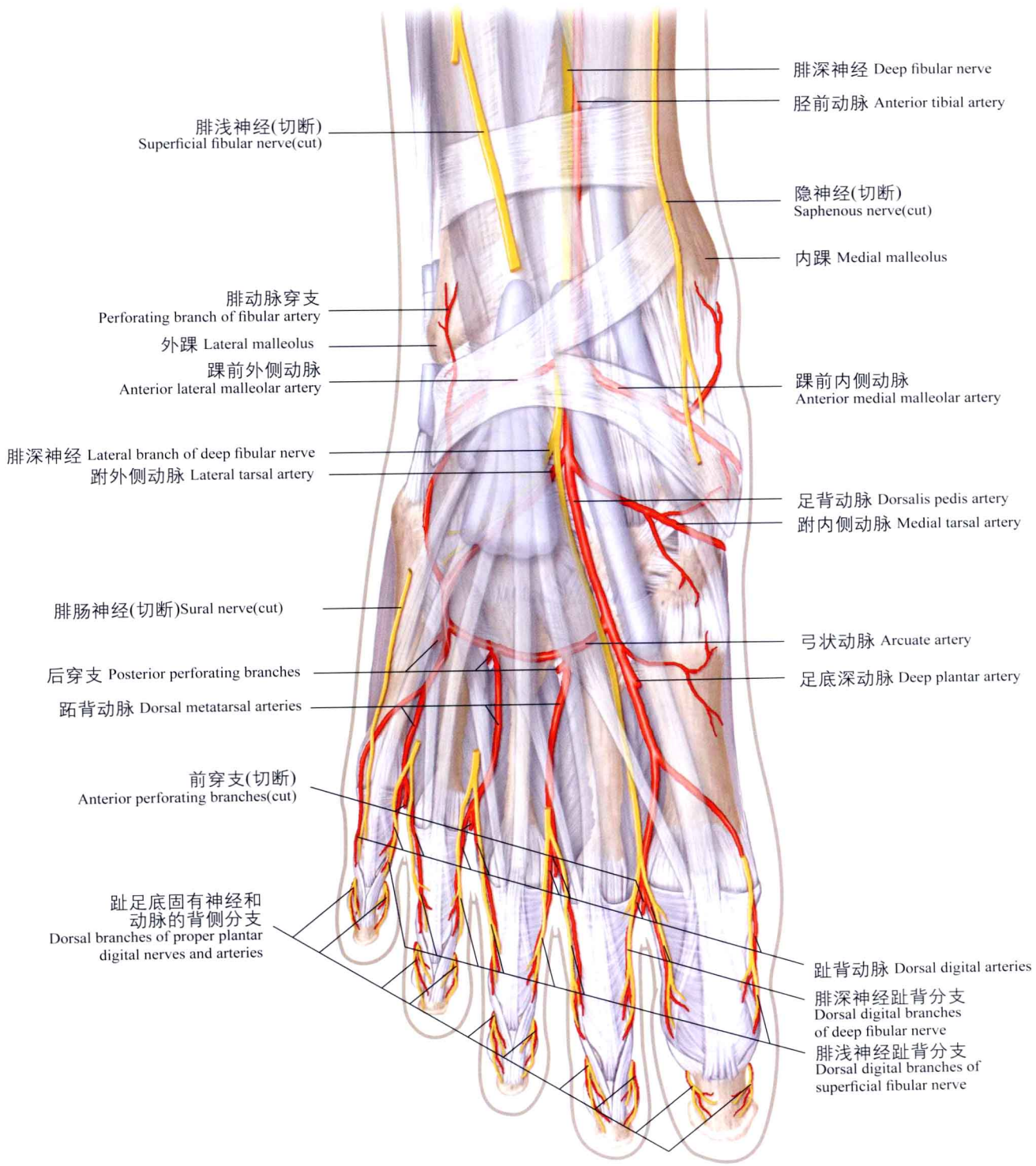


B.皮肤的神经支配 Cutaneous distribution




腓浅神经(切断)
Superficial fibular nerve(cut)
腓骨长、短肌肌腱
Fibularis longus and brevis tendons
趾长伸肌 Extensor digitorum longus muscle
腓骨肌上支持带 Superior fibular retinaculum
外踝 Lateral malleolus
股三头肌及肌腱
Fibularis tertius muscle and tendon
第5跖骨粗隆 Tuberosity of 5th metatarsal bone
趾短伸肌 Extensor digitorum brevis muscle
趾长伸肌 Extensor digitorum longus muscles
腓肠神经外侧背皮支
Lateral dorsal cutaneous branch of Sural nerve
腓浅神经的趾固有神经
Common digital branches of Superficial fibular nerve
中、远节趾骨趾背腱膜附着点
Insertions of extensor expansions on middle and distal phalanges
腓深神经 Deep fibular nerve
胫前动脉 Anterior tibial artery
伸肌上支持带 Superior extensor retinaculum
包裹腱鞘的胫骨前肌腱
Tibialis anterior tendon in tendon sheath
跨长伸肌 Extensor hallucis longus muscles
内踝 Medial malleolus
伸肌下支持带
Inferior extensor retinaculum
腱鞘 Tendon sheaths
足背动脉 Dorsalis pedis artery
腓深神经 Deep fibular nerve
跨短伸肌
Extensor hallucis brevis muscles
跨长伸肌腱
Extensor hallucis longus tendon
趾背腱膜 Extensor expansions

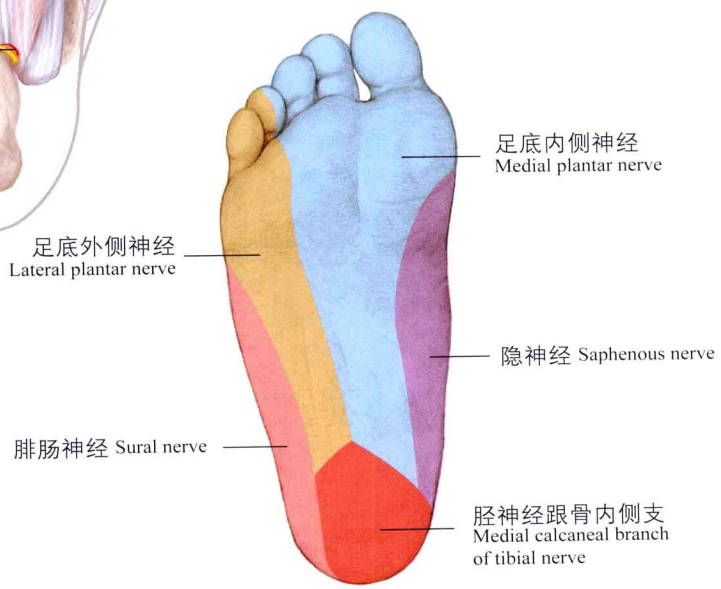

胫前动脉 Anterior tibial artery
腓深神经 Deep fibular nerve
腓浅神经 Superficial fibular nerve
外踝 Lateral malleolus
胫骨前肌腱 Tibialis anterior tendon
趾长伸肌腱(切断)
Extensor digitorum longus tendons(cut)
足背动脉 Dorsalis pedis artery
趾短伸肌(虚影)
Extensor digitorum brevis muscle(ghosted)
第三腓骨肌腱(切断)
Fibularis tertius tendon(cut)
跨短伸肌(虚影)
Extensor hallucis brevis muscles(ghosted)
骨间背侧肌(4块)
Dorsal interosseous muscles(4)
腓深神经 Deep fibular nerve
跨长伸肌腱
Extensor hallucis longus muscles
趾长伸肌腱(切断)
Extensor digitorum longus tendons(cut)
趾短伸肌腱(虚影)
Extensor digitorum brevis tendons(ghosted)
腓深神经的趾背分支
Dorsal digital branches of deep fibular nerve
跨短伸肌腱(虚影)
Extensor hallucis brevis tendon(ghosted)
腓浅神经的趾背分支
Dorsal digital branches of superficial fibular nerve
趾背腱膜 Extensor expansions

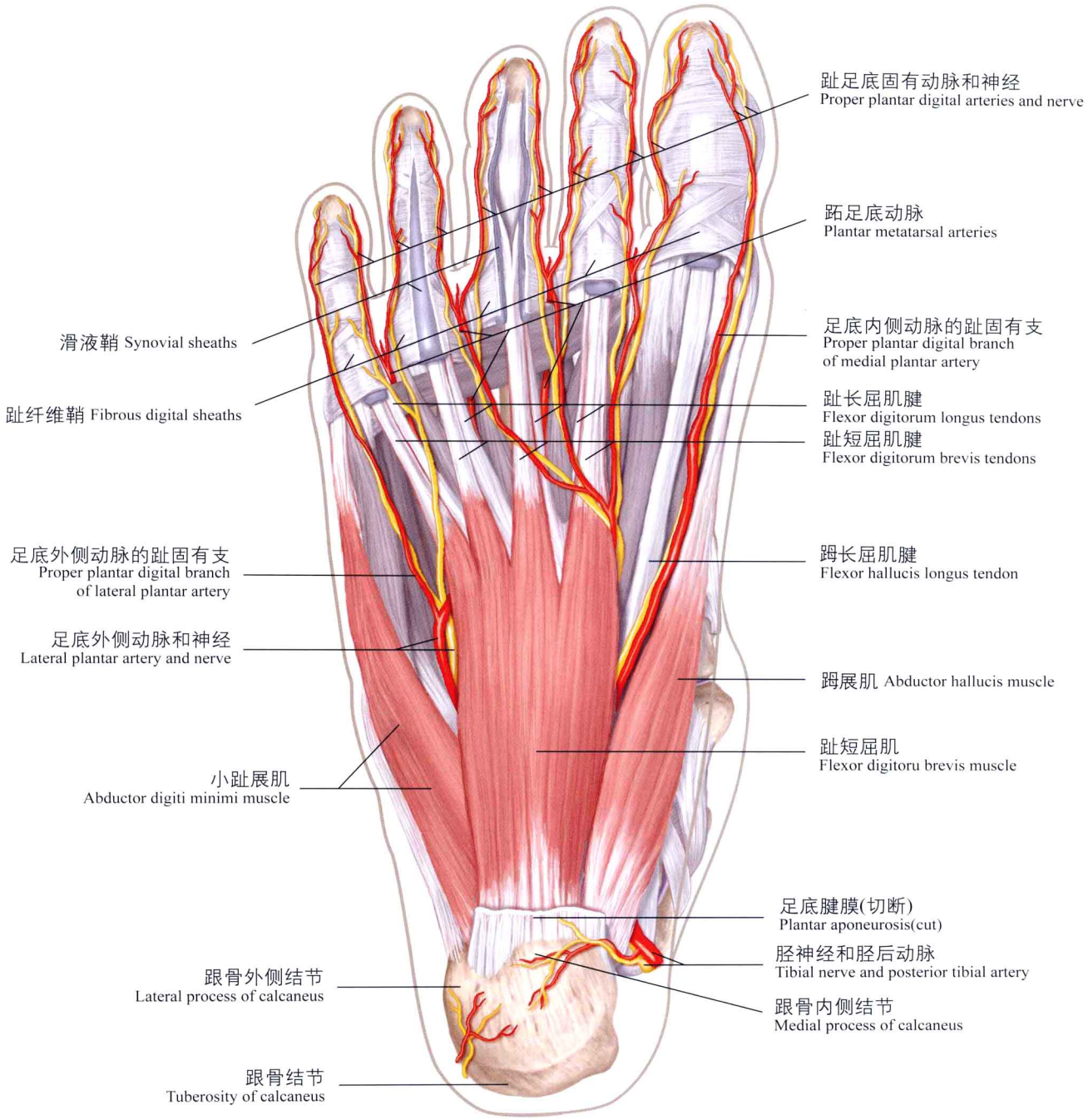

腓深神经 Deep fibular nerve
胫前动脉 Anterior tibial artery
腓浅神经(切断)
Superficial fibular nerve(cut)
隐神经(切断)
Saphenous nerve(cut)
内踝 Medial malleolus
腓动脉穿支
Perforating branch of fibular artery
外踝 Lateral malleolus
踝前外侧动脉
Anterior lateral malleolar artery
踝前内侧动脉
Anterior medial malleolar artery
腓深神经 Lateral branch of deep fibular nerve
跗外侧动脉 Lateral tarsal artery
足背动脉 Dorsalis pedis artery
跗内侧动脉 Medial tarsal artery
腓肠神经(切断)Sural nerve(cut)
弓状动脉 Arcuate artery
后穿支 Posterior perforating branches
足底深动脉 Deep plantar artery
跖背动脉 Dorsal metatarsal arteries
前穿支(切断)
Anterior perforating branches(cut)
趾足底固有神经和
动脉的背侧分支
Dorsal branches of proper plantar
digital nerves and arteries
趾背动脉 Dorsal digital arteries
腓深神经趾背分支
Dorsal digital branches
of deep fibular nerve
腓浅神经趾背分支
Dorsal digital branches of
superficial fibular nerve

A.解剖 Dissection

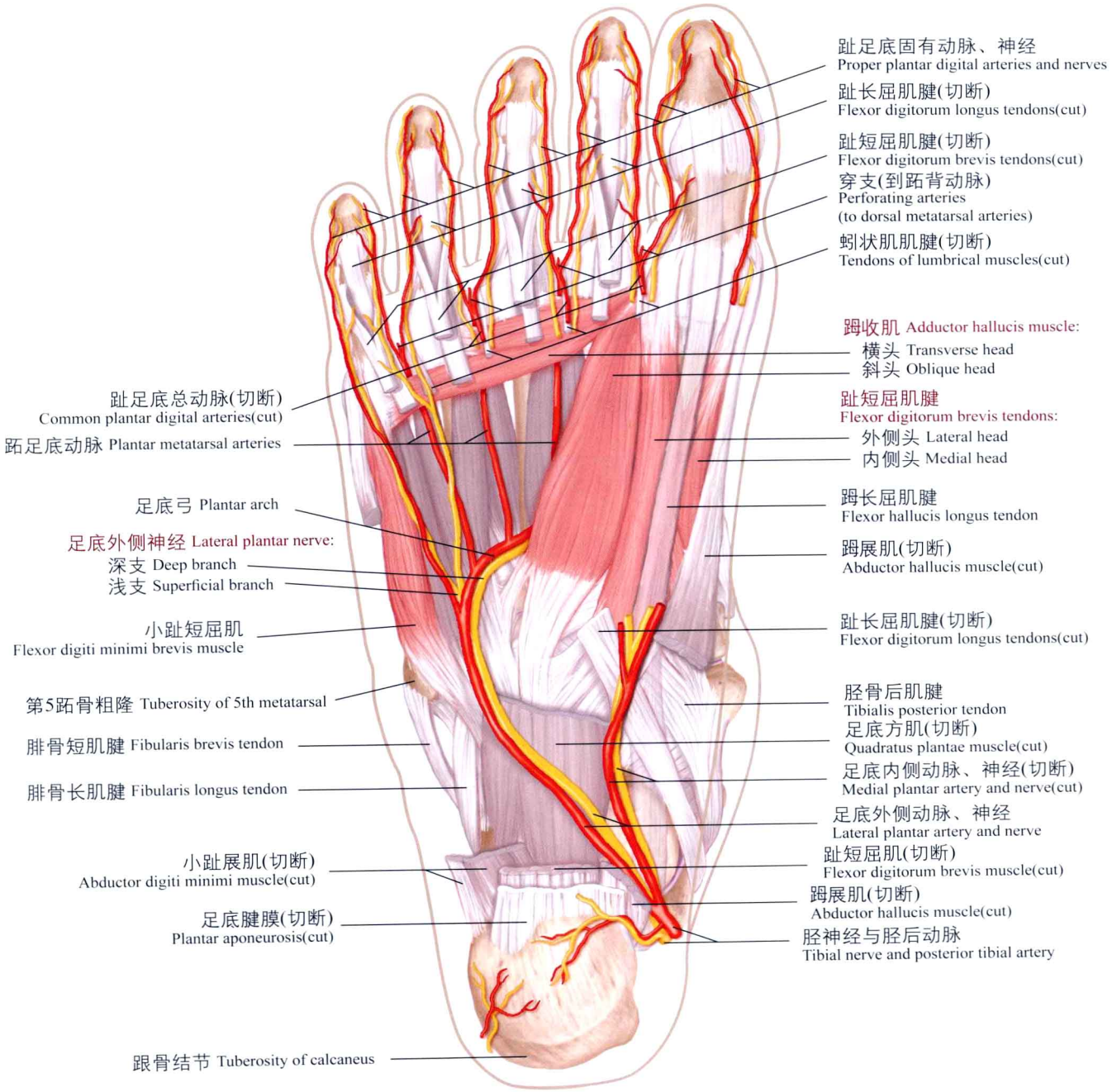


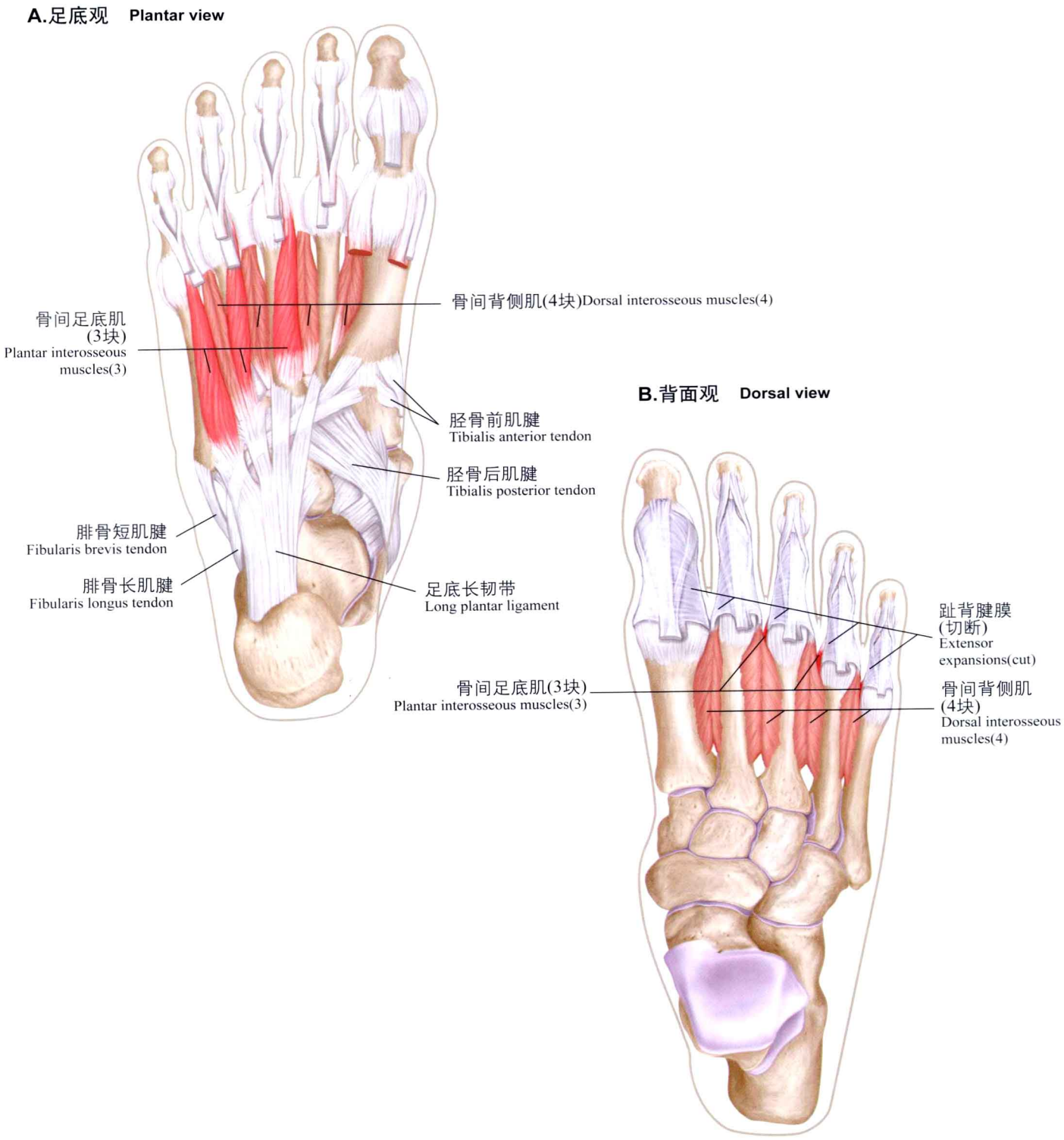
B.皮肤的神经支配 Cutaneous distribution




趾足底固有动脉和神经
Proper plantar digital arteries and nerve
跖足底动脉
Plantar metatarsal arteries
滑液鞘 Synovial sheaths
趾纤维鞘 Fibrous digital sheaths
足底内侧动脉的趾固有支
Proper plantar digital branch of medial plantar artery
趾长屈肌腱
Flexor digitorum longus tendons
趾短屈肌腱
Flexor digitorum brevis tendons
足底外侧动脉的趾固有支
Proper plantar digital branch of lateral plantar artery
趾长屈肌腱
Flexor hallucis longus tendon
足底外侧动脉和神经
Lateral plantar artery and nerve
趾展肌 Abductor hallucis muscle
趾短屈肌
Flexor digitoru brevis muscle
小趾展肌
Abductor digiti minimi muscle
足底腱膜(切断)
Plantar aponeurosis(cut)
胫神经和胫后动脉
Tibial nerve and posterior tibial artery
跟骨外侧结节
Lateral process of calcaneus
跟骨内侧结节
Medial process of calcaneus
跟骨结节
Tuberosity of calcaneus


趾足底动脉及趾足底固有神经
Plantar digital arteries and proper plantar digital nerves
趾长屈肌腱
Flexor digitorum longus tendons
趾短屈肌腱(切断)
Flexor digitorum brevis tendons(cut)
趾足底总动脉、神经
Common plantar digital arteries and nerves
蚓状肌 Lumbrical muscles
跨短屈肌
Flexor hallucis brevis muscle:
内侧头 Medial head
外侧头 Lateral head
跨长屈肌腱
Flexor hallucis longus tendon
趾长屈肌腱
Flexor digitorum longus tendon
跨展肌(虚影)
Abductor hallucis muscle(ghosted)
足底内侧动脉、神经
Medial plantar artery and nerve
足底外侧动脉、神经
Lateral plantar artery and nerve
胫神经和胫后动脉
Tibial nerve and posterior tibial artery
足底外侧神经
Lateral plantar nerve:
深支 Deep branch
浅支 Superficial branch
小趾短屈肌
Flexor digiti minimi brevis muscle
小趾展肌(虚影)
Abductor digiti minimi muscle(ghosted)
足底方肌 Quadratus plantae muscle
趾短屈肌(切断)
Flexor digitorum brevis muscle(cut)
足底腱膜(切断)
Plantar aponeurosis(cut)
跟骨结节 Tuberosity of calcaneus

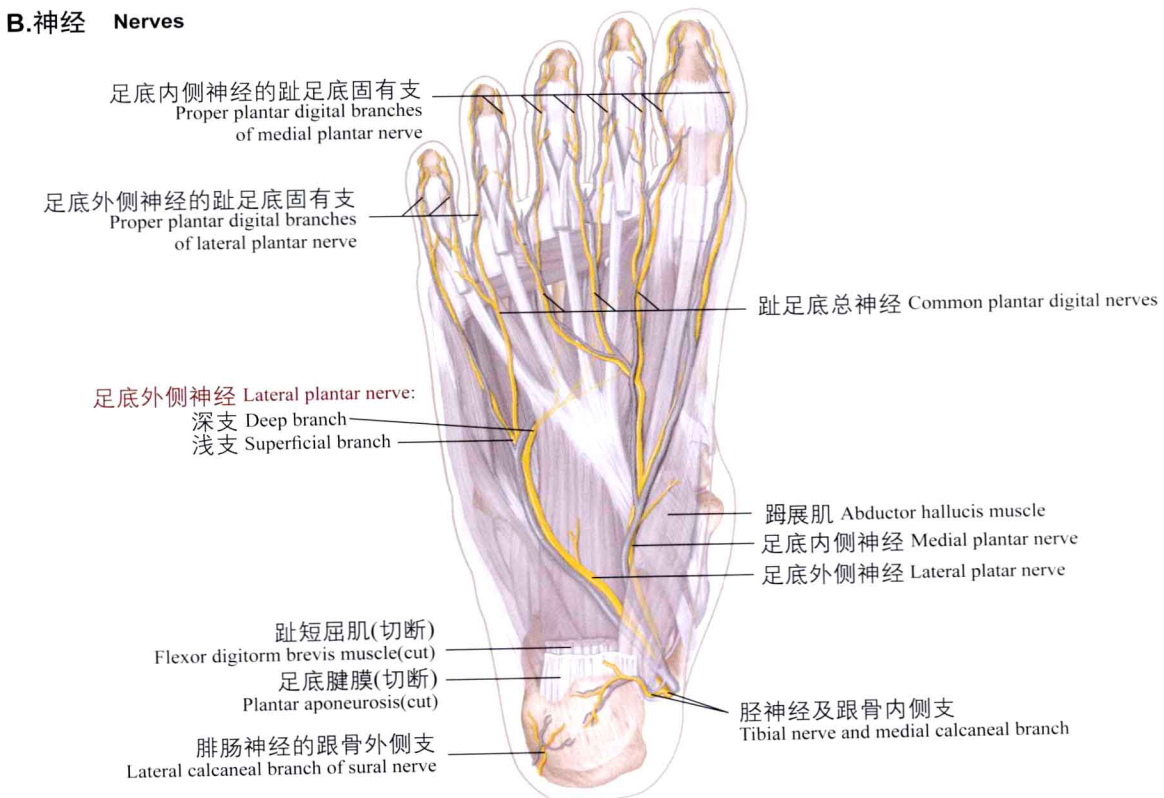

趾足底固有动脉、神经
Proper plantar digital arteries and nerves
趾长屈肌腱(切断)
Flexor digitorum longus tendons(cut)
趾短屈肌腱(切断)
Flexor digitorum brevis tendons(cut)
穿支(到跖背动脉)
Perforating arteries
(to dorsal metatarsal arteries)
蚓状肌肌腱(切断)
Tendons of lumbrical muscles(cut)
趾收肌 Adductor hallucis muscle:
横头 Transverse head
斜头 Oblique head
趾短屈肌腱
Flexor digitorum brevis tendons:
外侧头 Lateral head
内侧头 Medial head
趾长屈肌腱
Flexor hallucis longus tendon
趾展肌(切断)
Abductor hallucis muscle(cut)
趾长屈肌腱(切断)
Flexor digitorum longus tendons(cut)
胫骨后肌腱
Tibialis posterior tendon
足底方肌(切断)
Quadratus plantae muscle(cut)
足底内侧动脉、神经(切断)
Medial plantar artery and nerve(cut)
足底外侧动脉、神经
Lateral plantar artery and nerve
趾短屈肌(切断)
Flexor digitorum brevis muscle(cut)
趾展肌(切断)
Abductor hallucis muscle(cut)
胫神经与胫后动脉
Tibial nerve and posterior tibial artery
趾足底总动脉(切断)
Common plantar digital arteries(cut)
跖足底动脉 Plantar metatarsal arteries
足底弓 Plantar arch
足底外侧神经 Lateral plantar nerve:
深支 Deep branch
浅支 Superficial branch
小趾短屈肌
Flexor digiti minimi brevis muscle
第5跖骨粗隆 Tuberosity of 5th metatarsal
腓骨短肌腱 Fibularis brevis tendon
腓骨长肌腱 Fibularis longus tendon
小趾展肌(切断)
Abductor digiti minimi muscle(cut)
足底腱膜(切断)
Plantar aponeurosis(cut)
跟骨结节 Tuberosity of calcaneus


A.足底观 Plantar view
骨间背侧肌(4块)Dorsal interosseous muscles(4)
骨间足底肌(3块)
Plantar interosseous muscles(3)
胫骨前肌腱
Tibialis anterior tendon
胫骨后肌腱
Tibialis posterior tendon
腓骨短肌腱
Fibularis brevis tendon
腓骨长肌腱
Fibularis longus tendon
足底长韧带
Long plantar ligament
B.背面观 Dorsal view
趾背腱膜(切断)
Extensor expansions(cut)
骨间足底肌(3块)
Plantar interosseous muscles(3)
骨间背侧肌(4块)
Dorsal interosseous muscles(4)

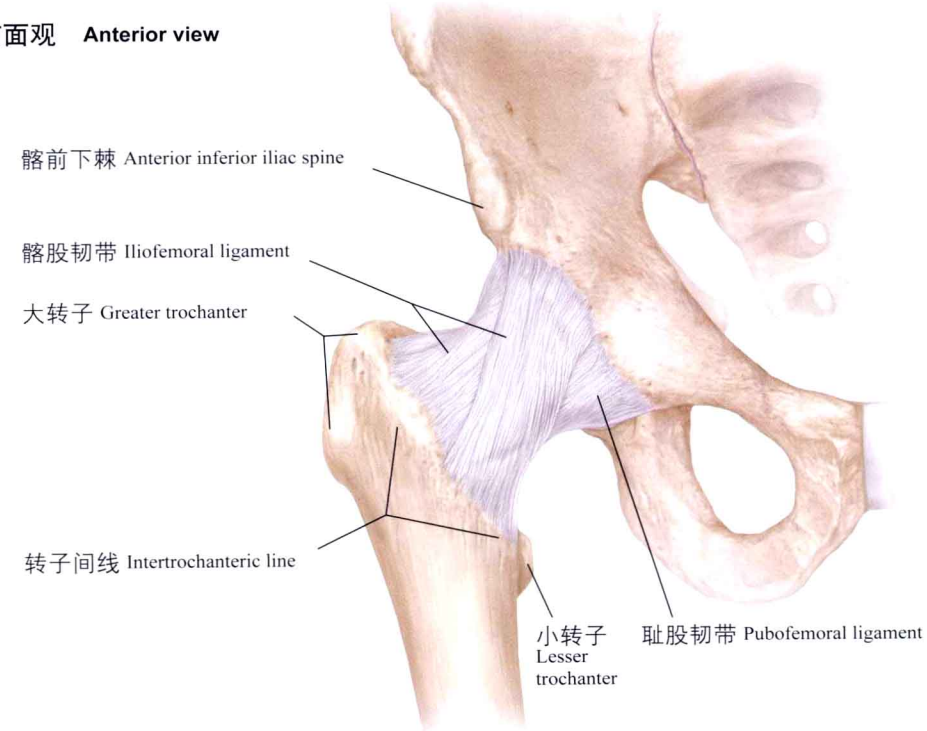
A.动脉 Arteries



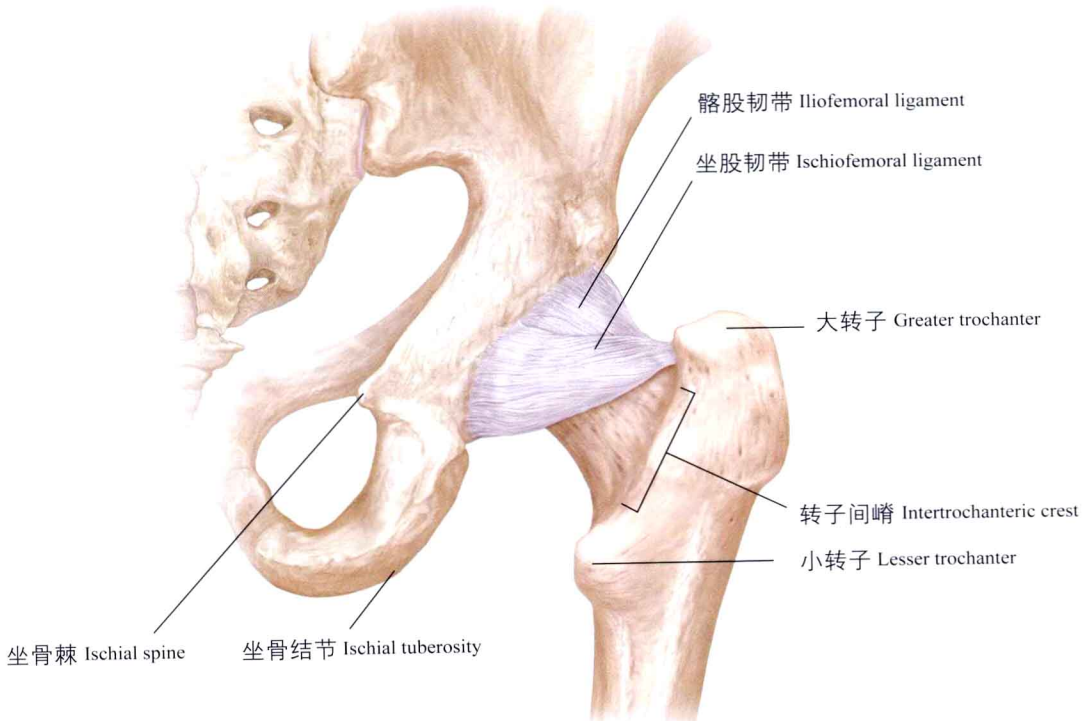
B.神经 Nerves



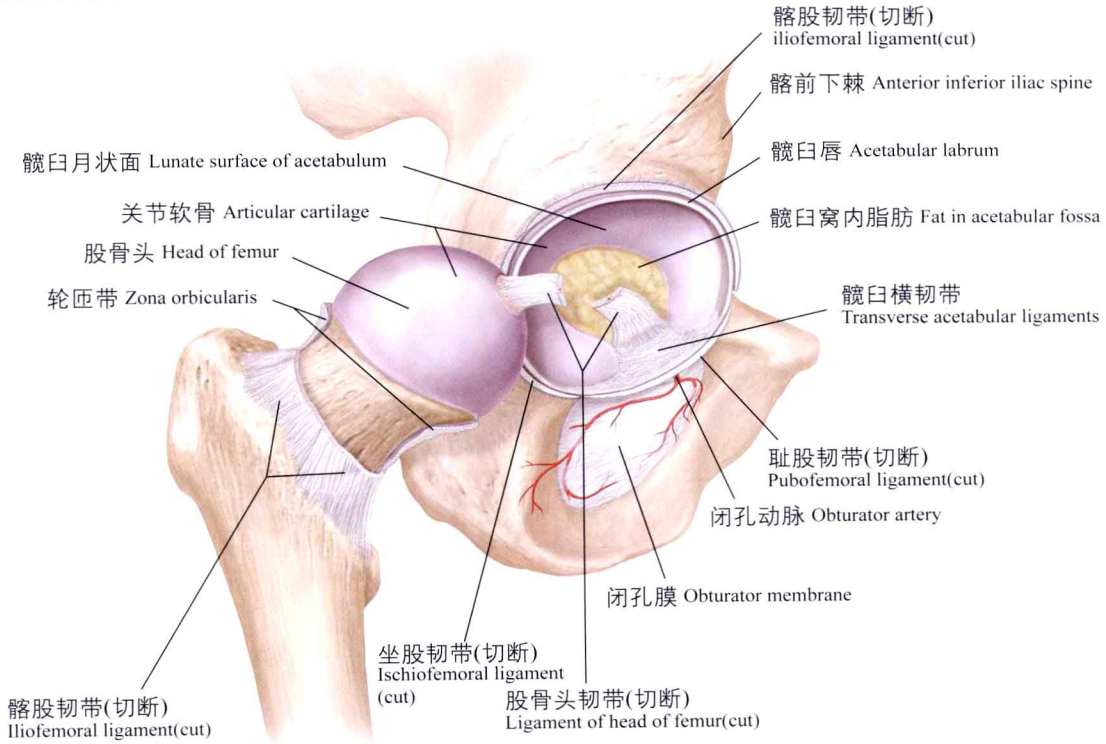
A.前面观 Anterior view



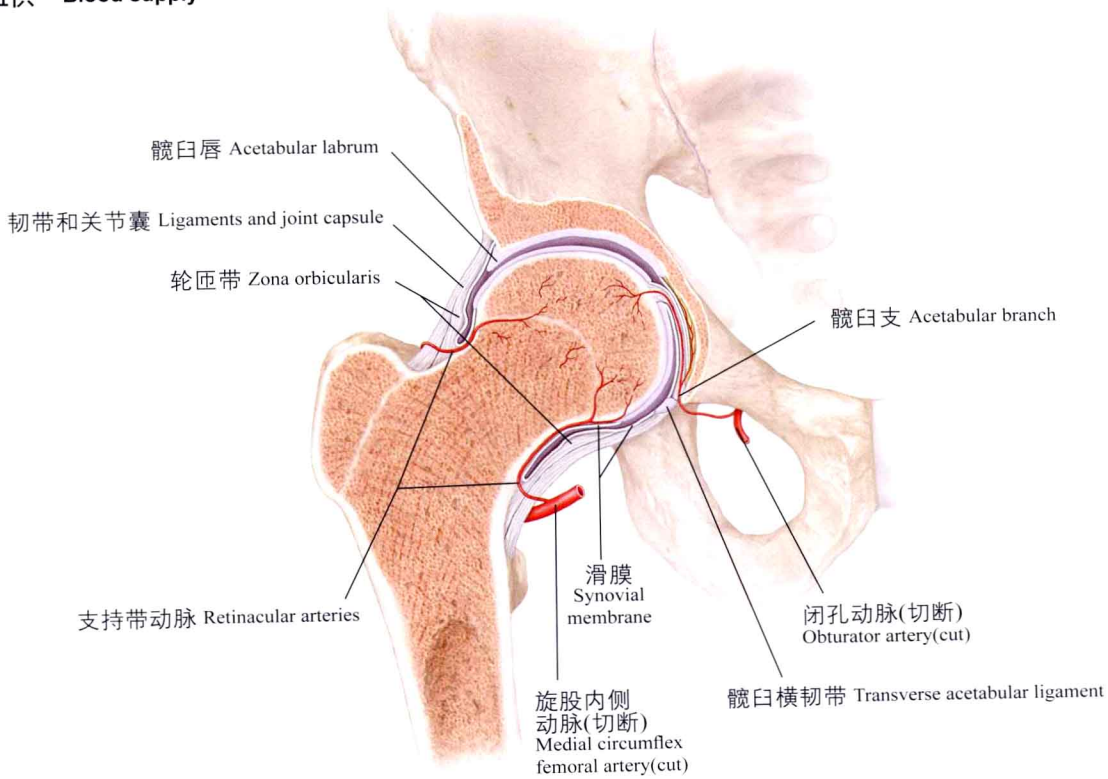
B.后面观 Posterior view



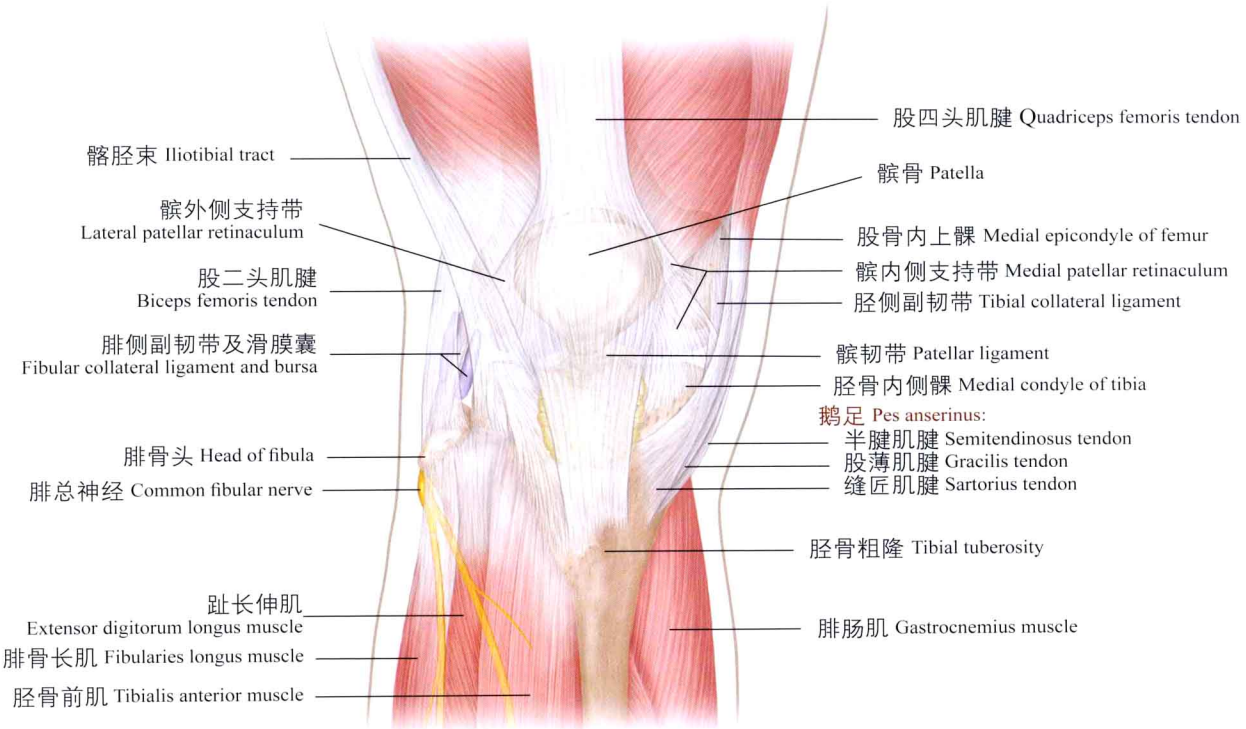
A.外面观(打开关节) Lateral view，Joint opened



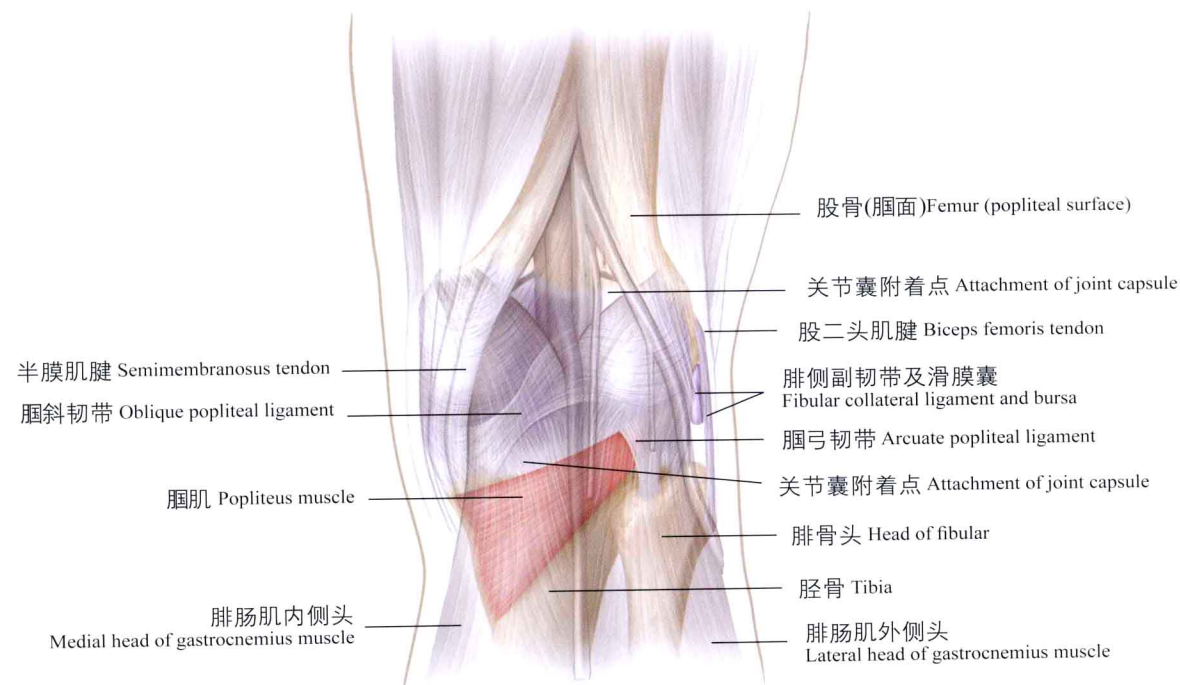
B.血供 Blood supply



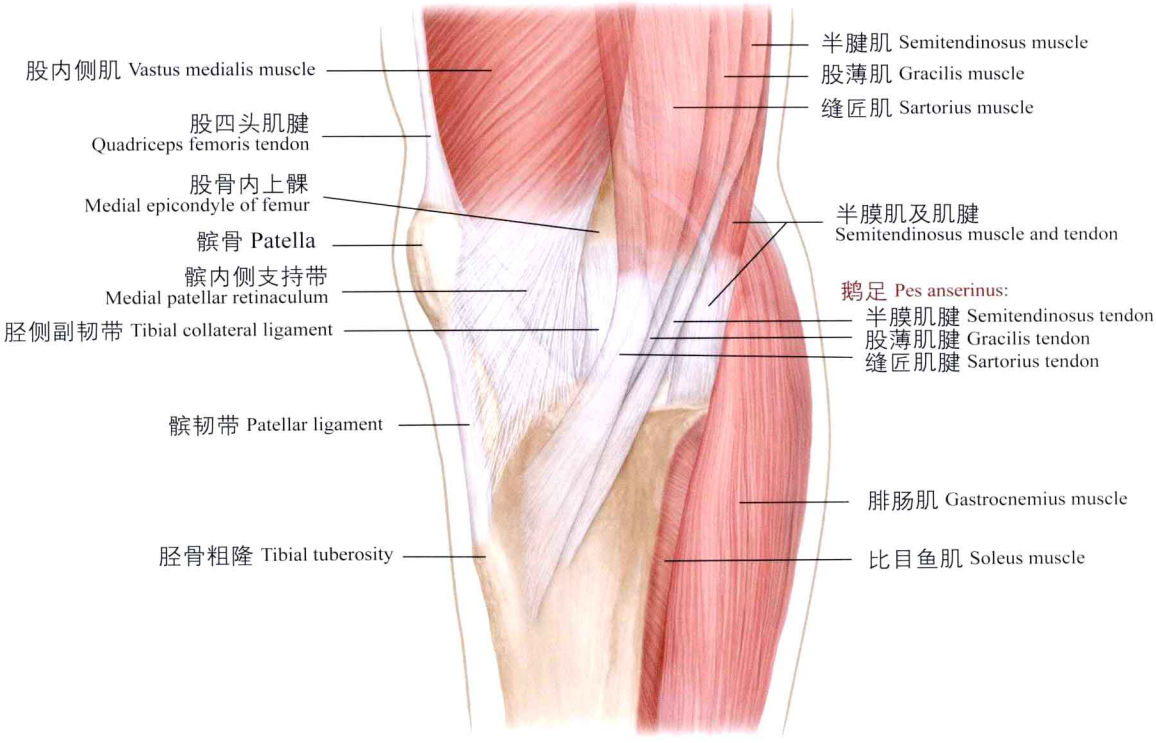
A.右膝，前面观 Right knee, anterior view



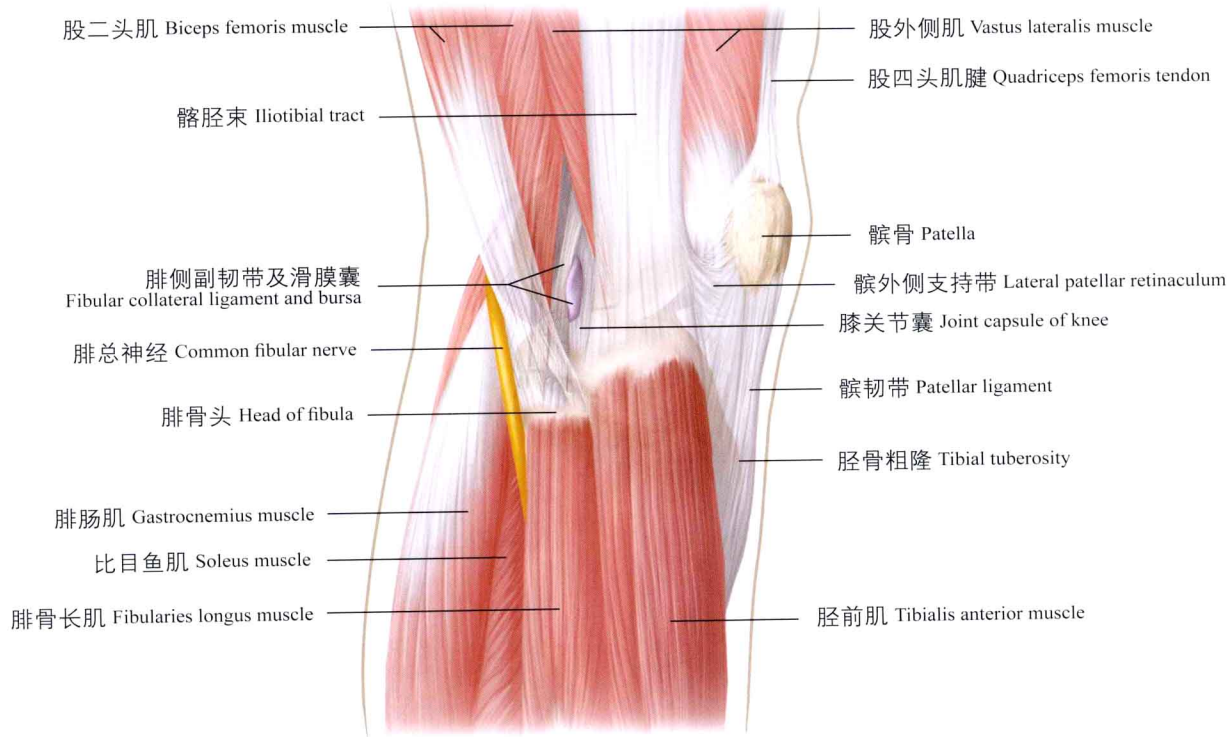
B.右膝，后面观 Right knee, Posterior view



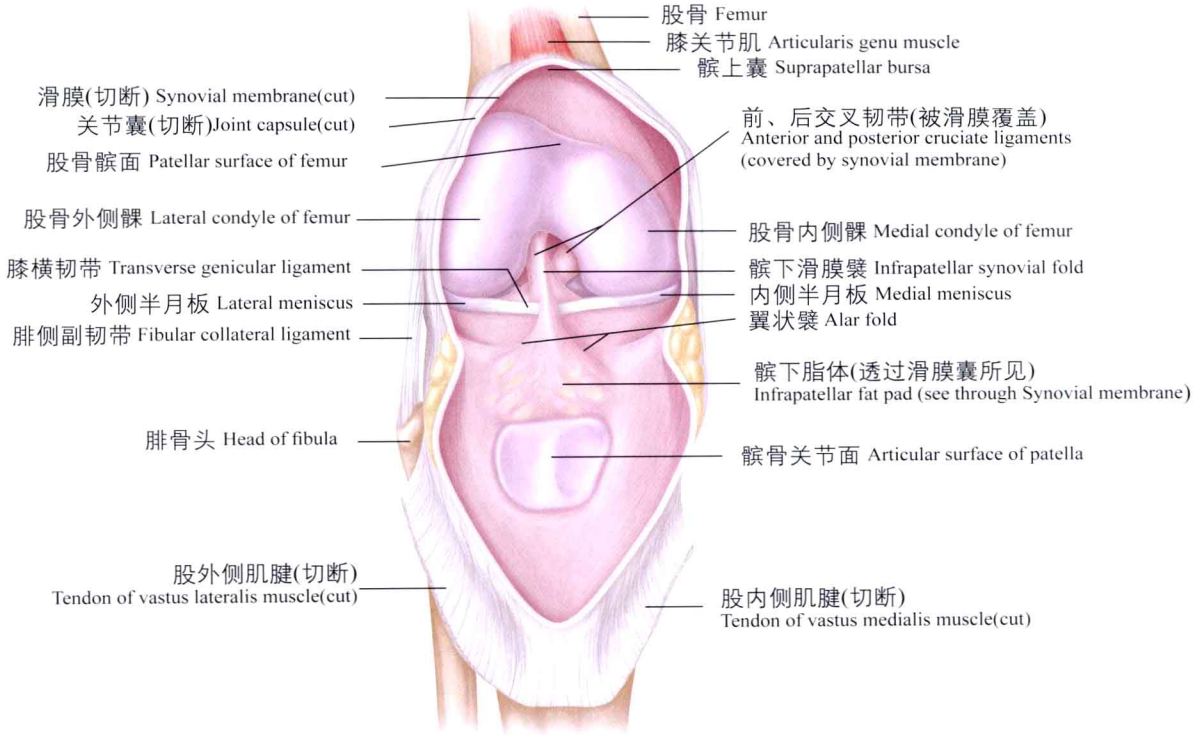
A.右膝，内侧面观 Right knee, Medial view



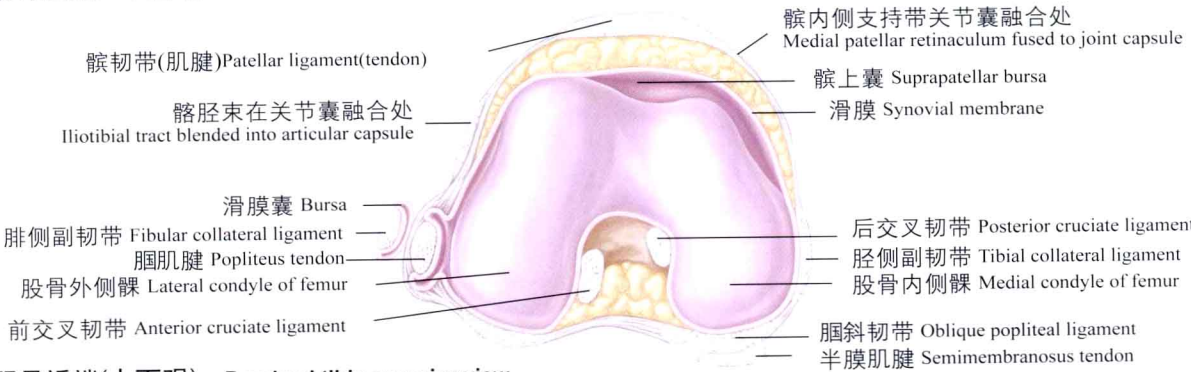
B.右膝，外侧面观 Right knee, Lateral view



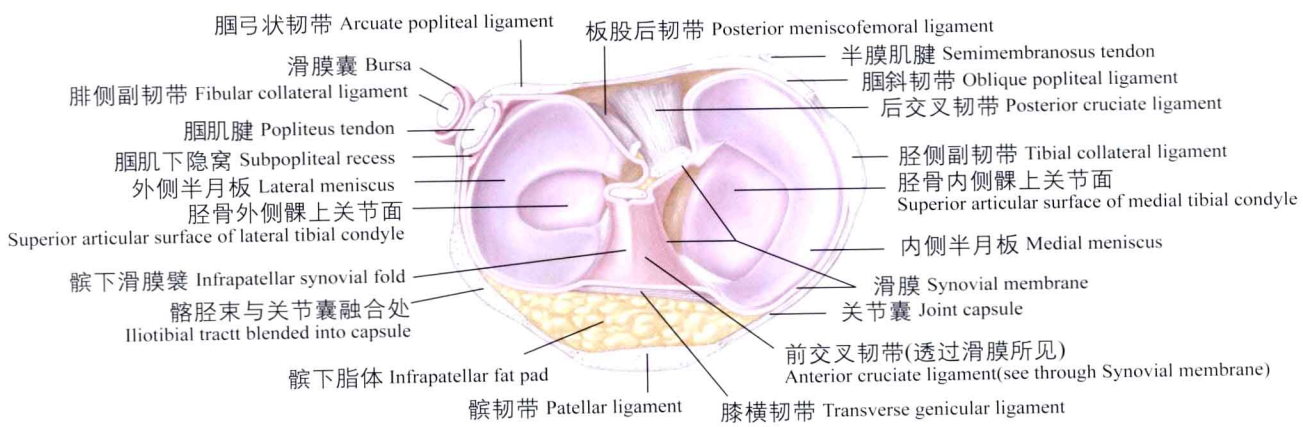
A.前面观(打开关节) Anterior view, Joint opened



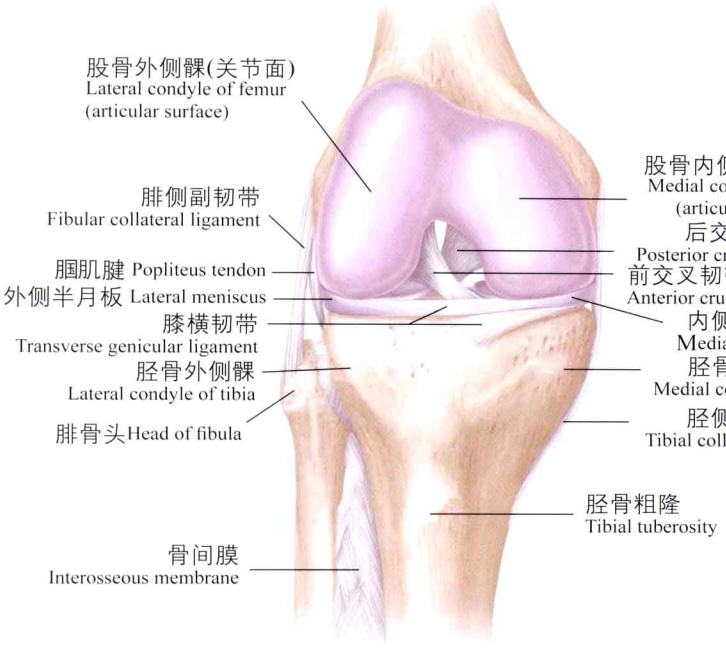
B.股骨远端，下面观 Distal femur, Inferior view



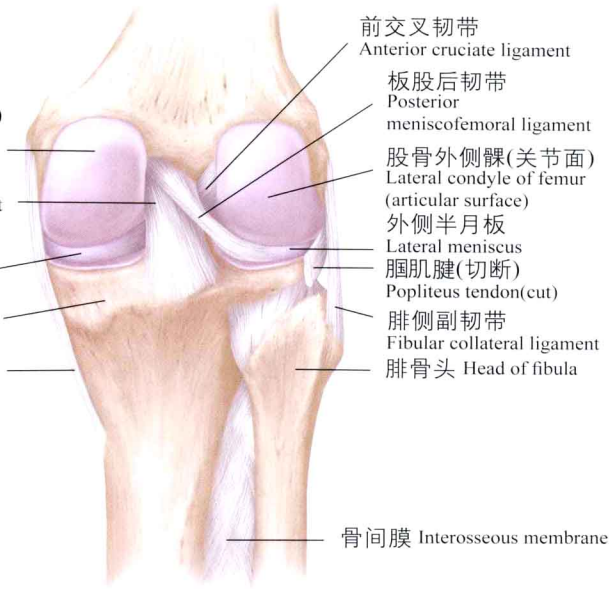
C.胫骨近端(上面观) Proximal tibia superior view



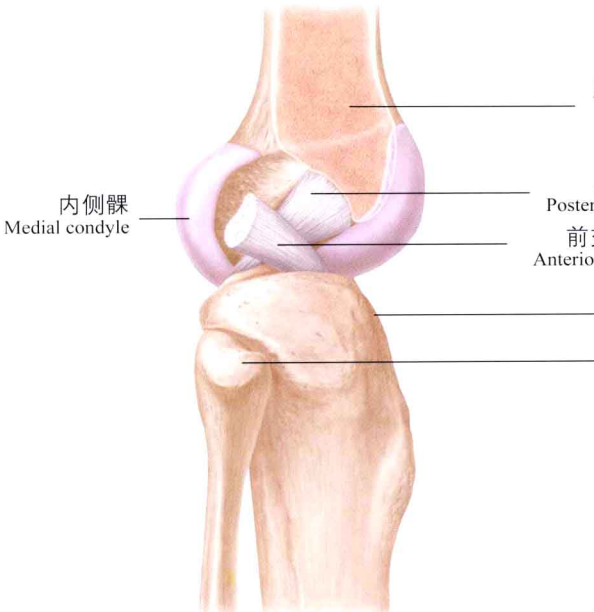
A.韧带，前面观 Ligaments, Anterior view



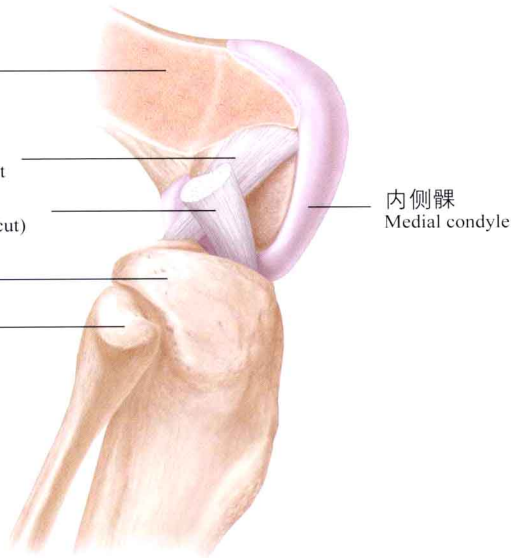
B.韧带，后面观 Ligament, Posterior view



C.膝关节伸直时的交叉韧带，外面观
Cruciate ligaments, lateral view, knee extended



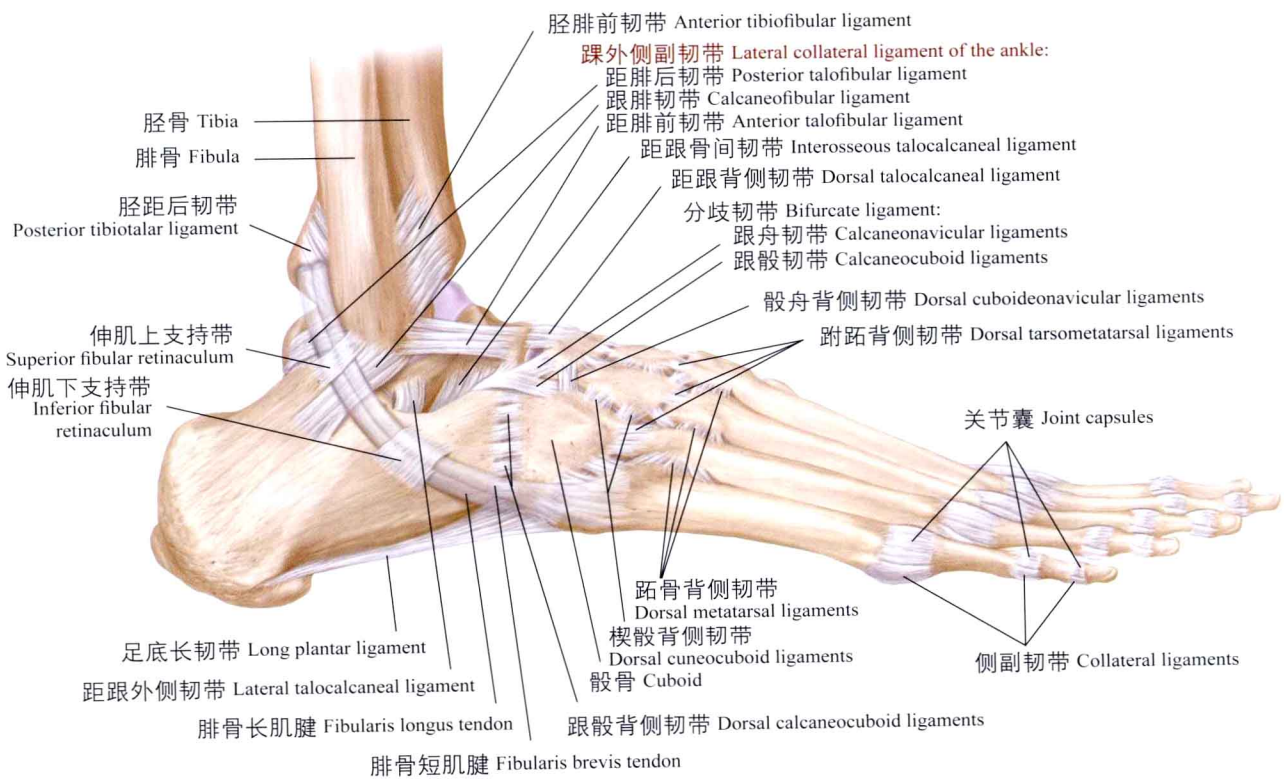
D.膝关节屈曲时的交叉韧带，外面观
Cruciate ligaments, lateral view, knee flexed



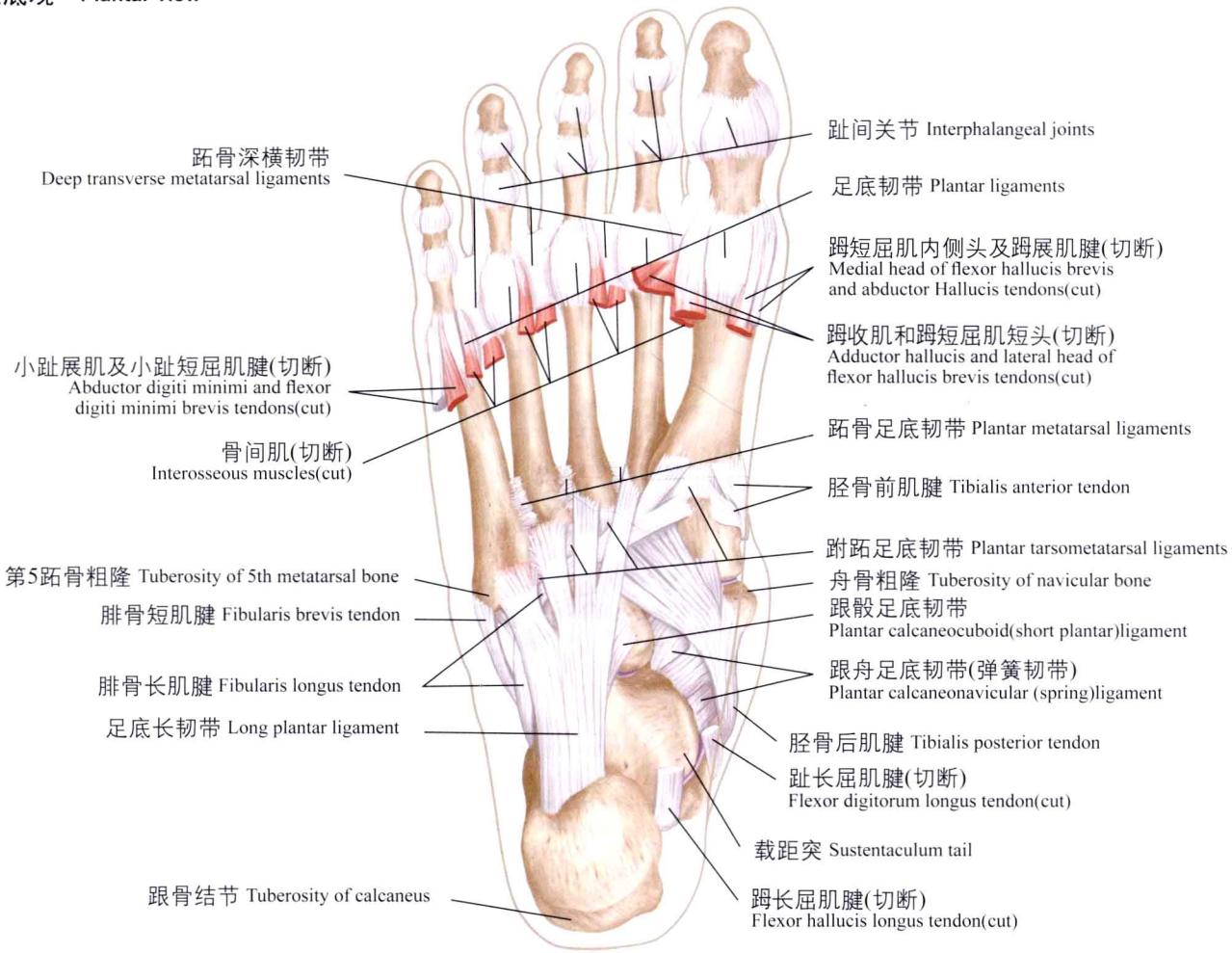
A.内侧观 Medial view



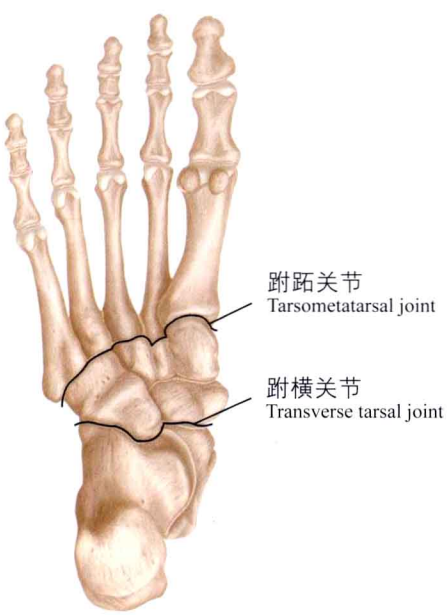
B.外侧面观 Lateral view



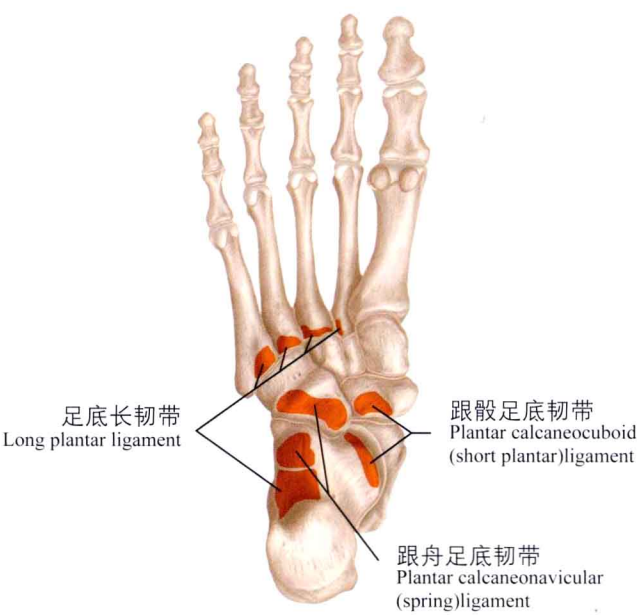
A.足底观 Plantar view



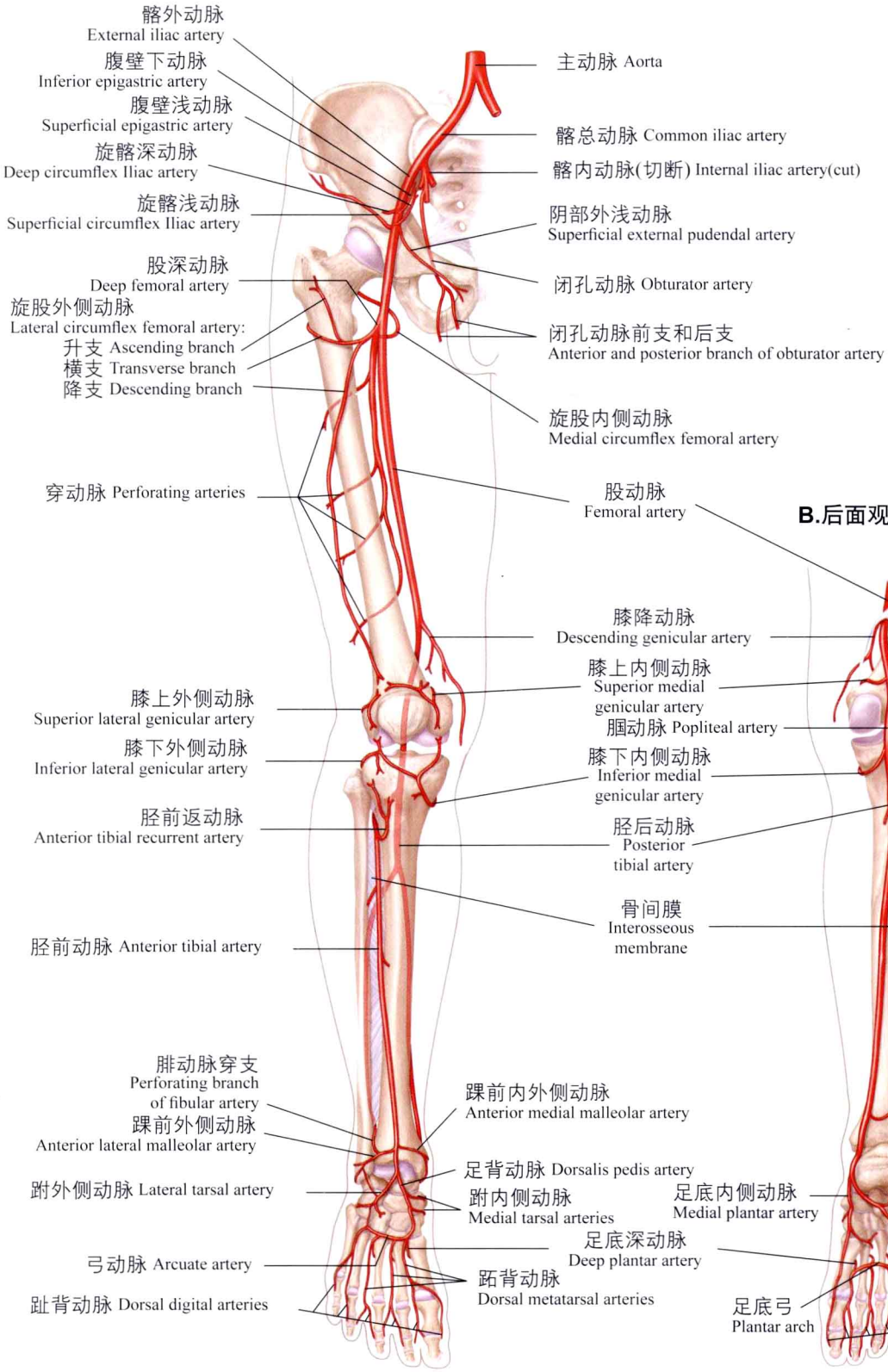
B.足外翻时关节的转位 Joints of inversion and eversion



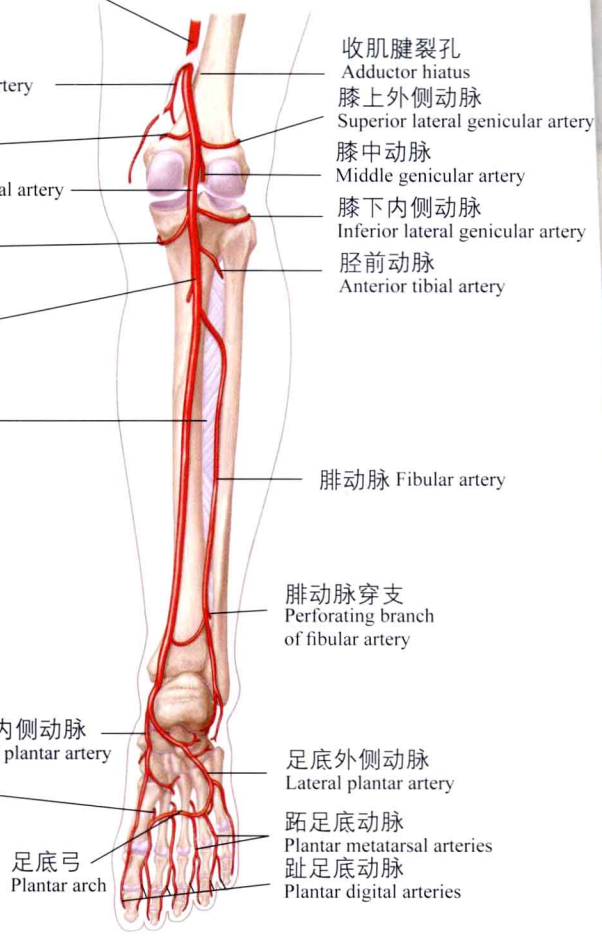
C.韧带附着点 Ligament attachments



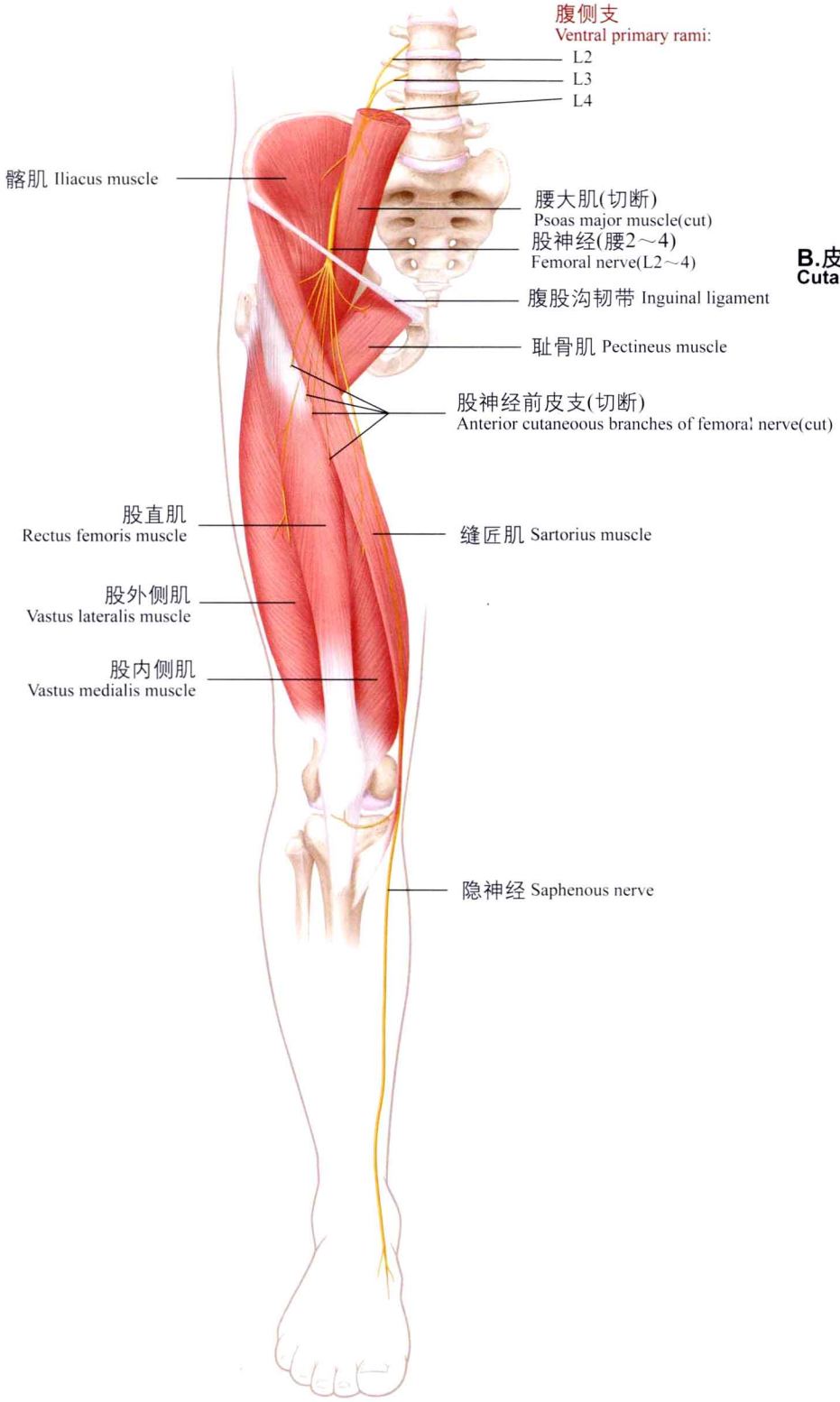
A.前面观 Anterior view



B.后面观 Posterior view



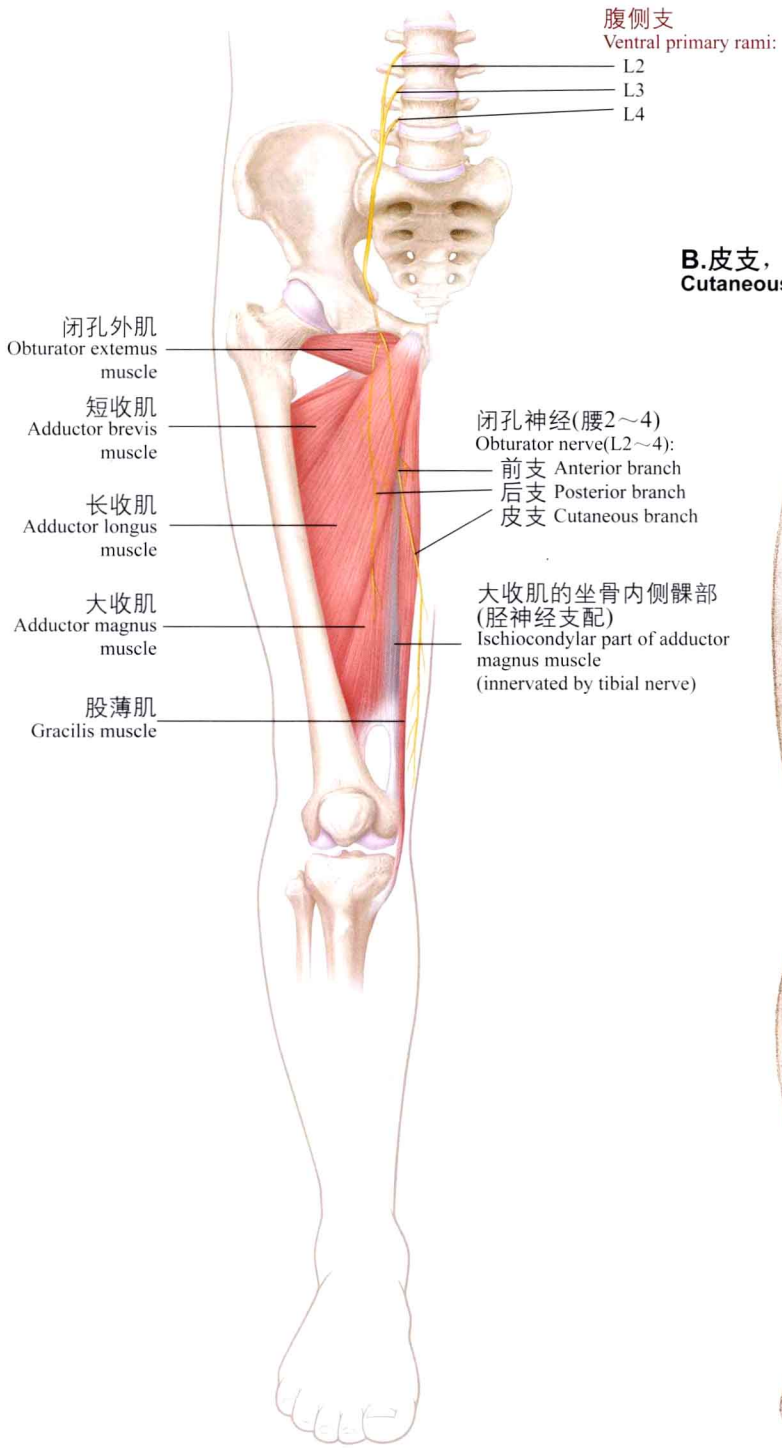
A.前面观 Anterior view



B.皮支分布，前面观
Cutaneous distribution, Anterior view

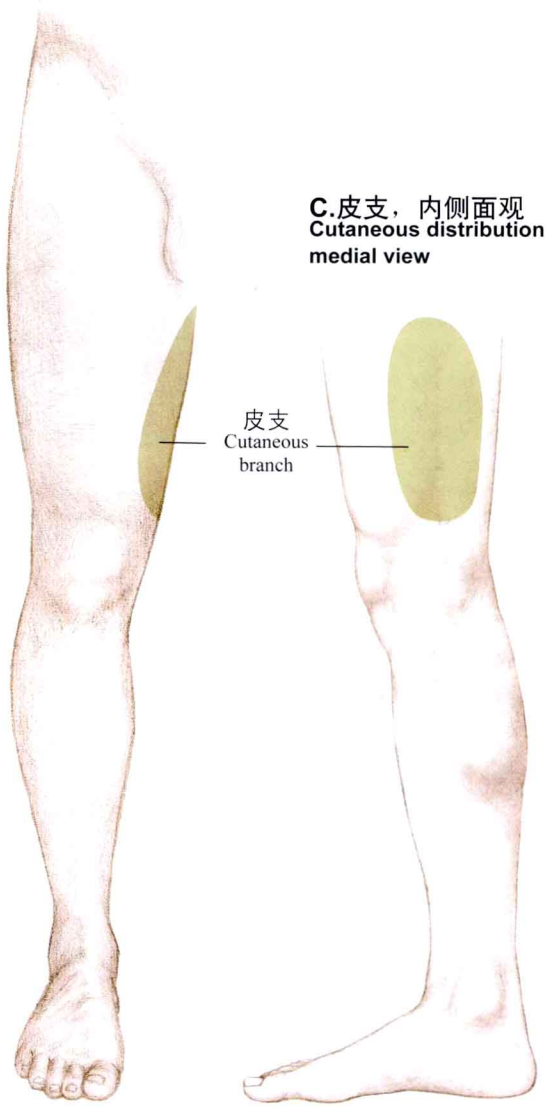


A.前面观 Anterior view

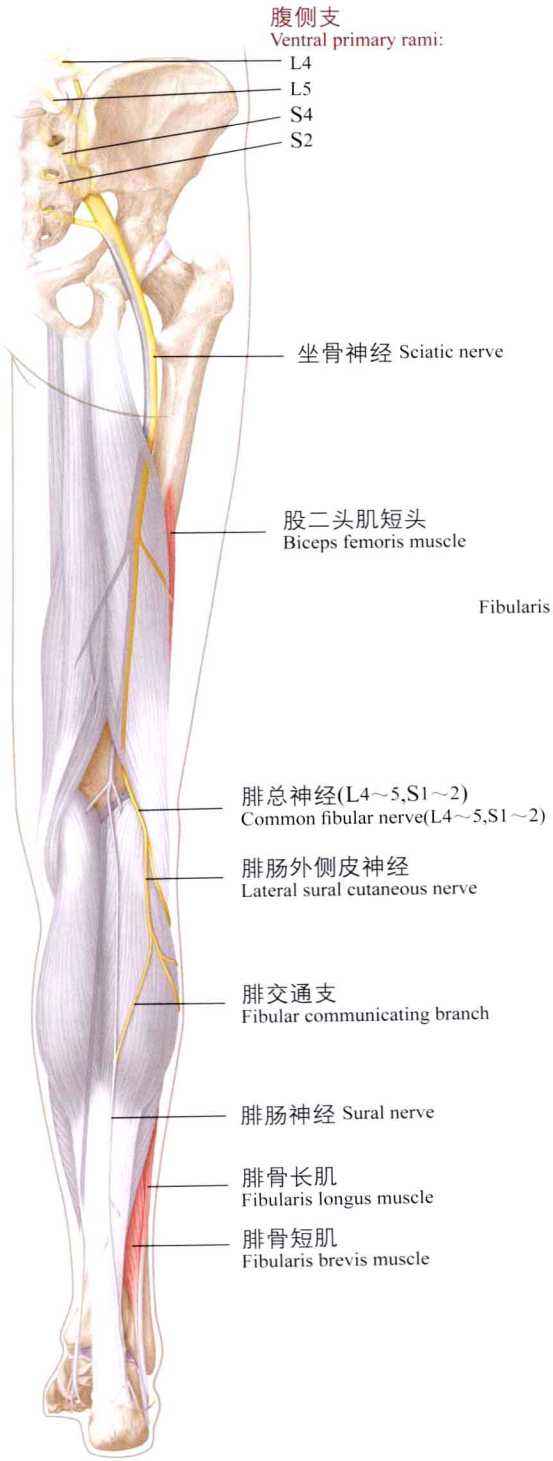


B.皮支，前面观
Cutaneous distribution, Anterior view

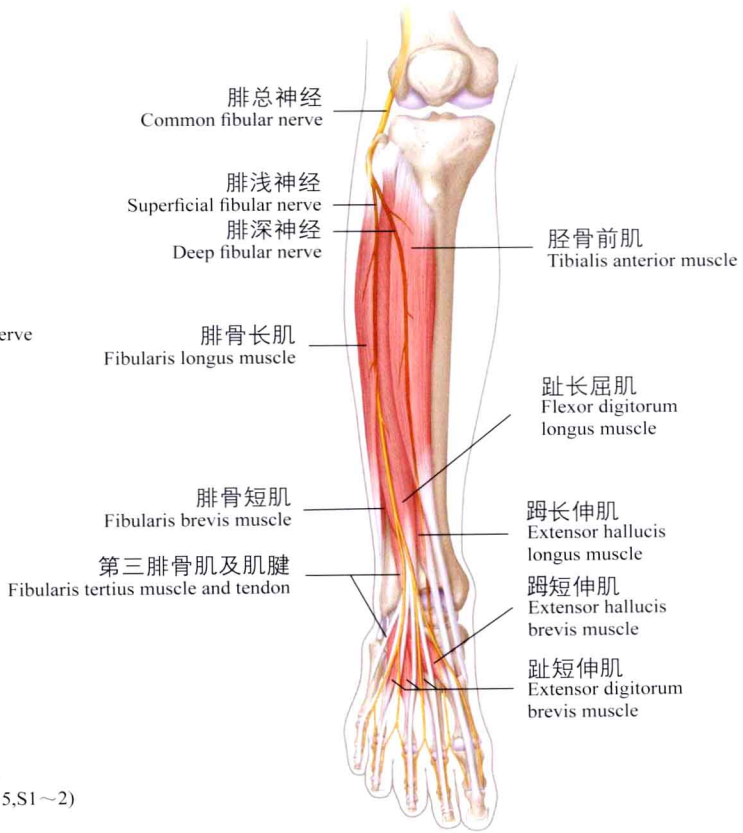
C.皮支，内侧面观
Cutaneous distribution medial view



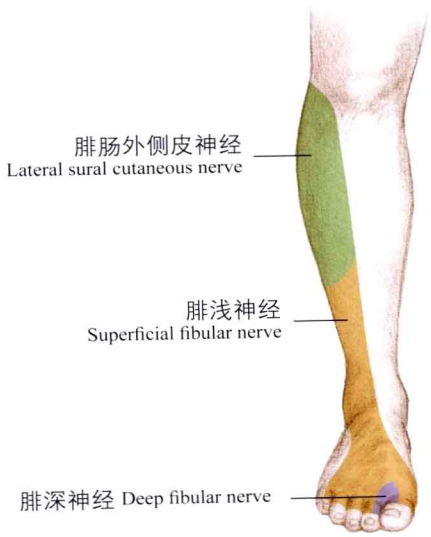
A.后面观 Posterior view



B.前面观 Anterior view

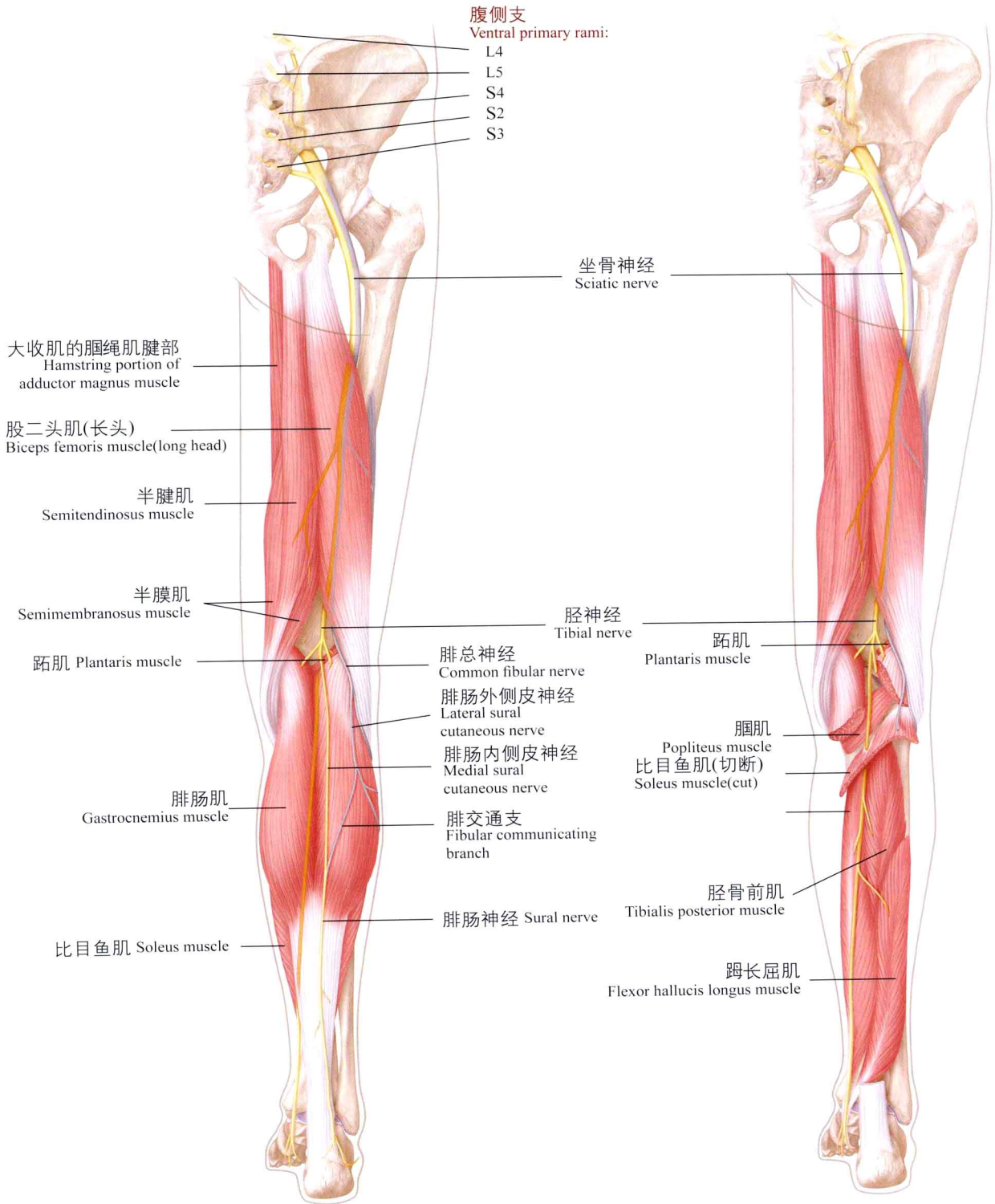


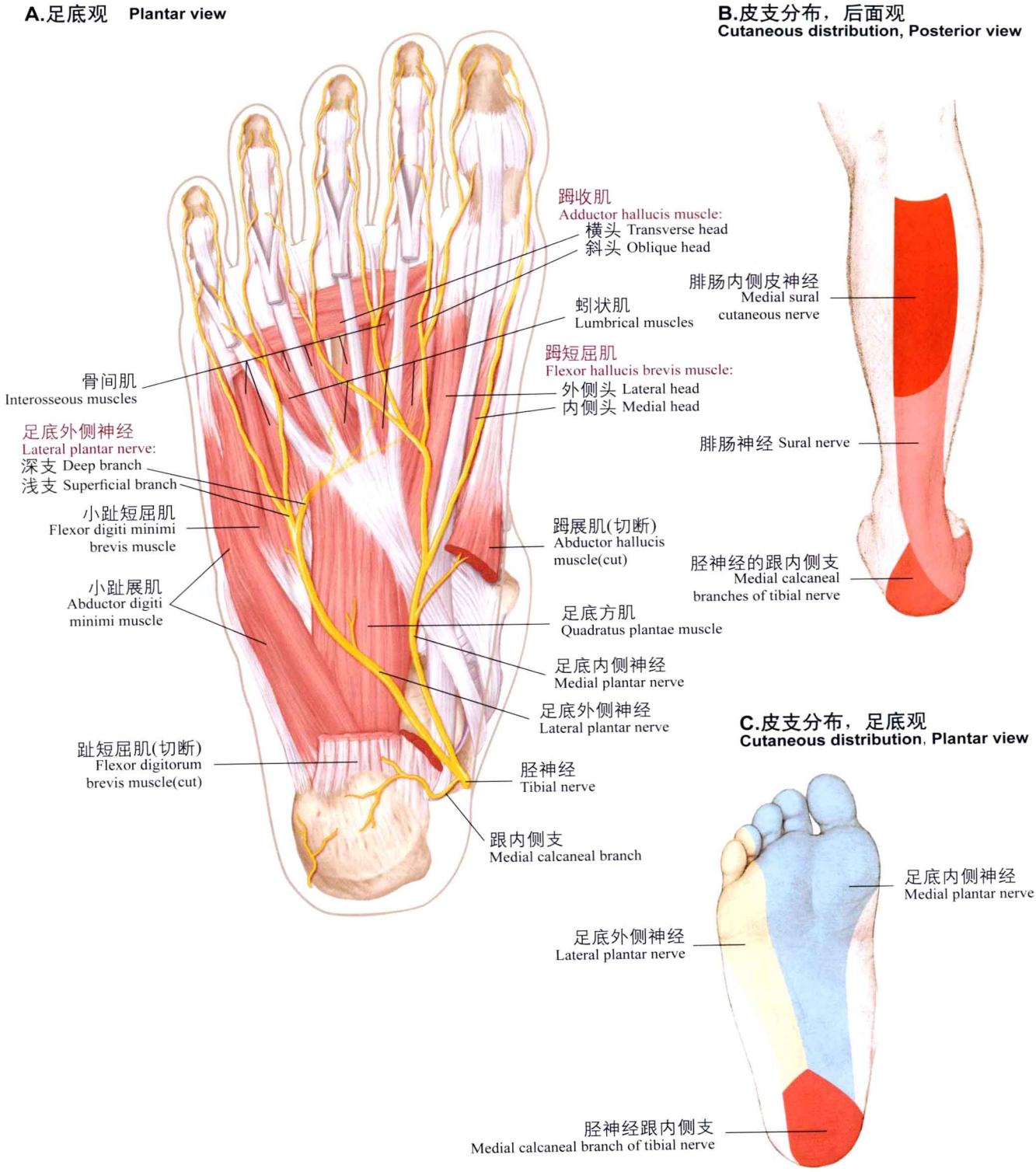
C.皮支分布，前面观 Cutaneous distribution,Anterior view

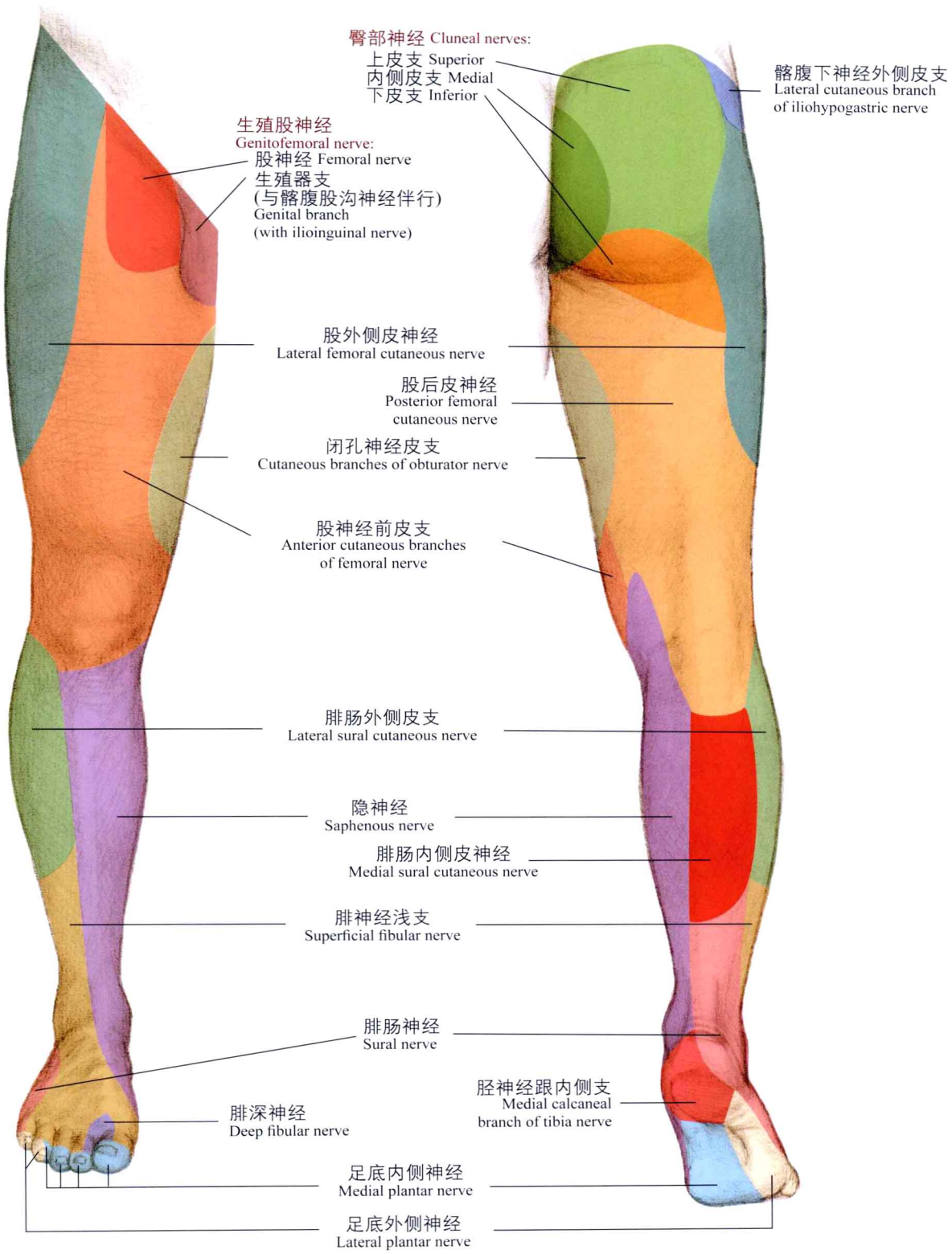


A.浅层观 Superficial view

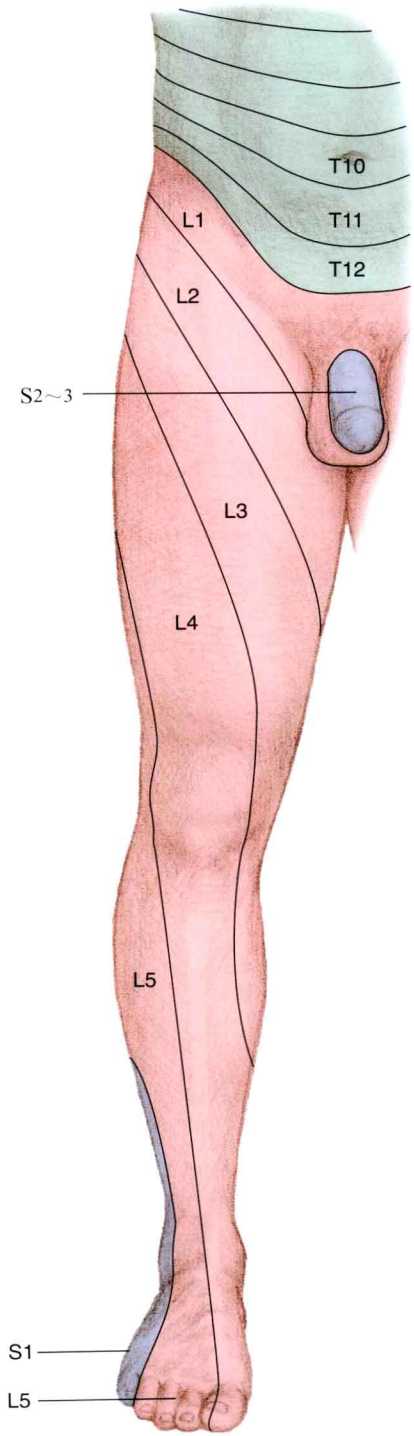
B.深层观 Deep view



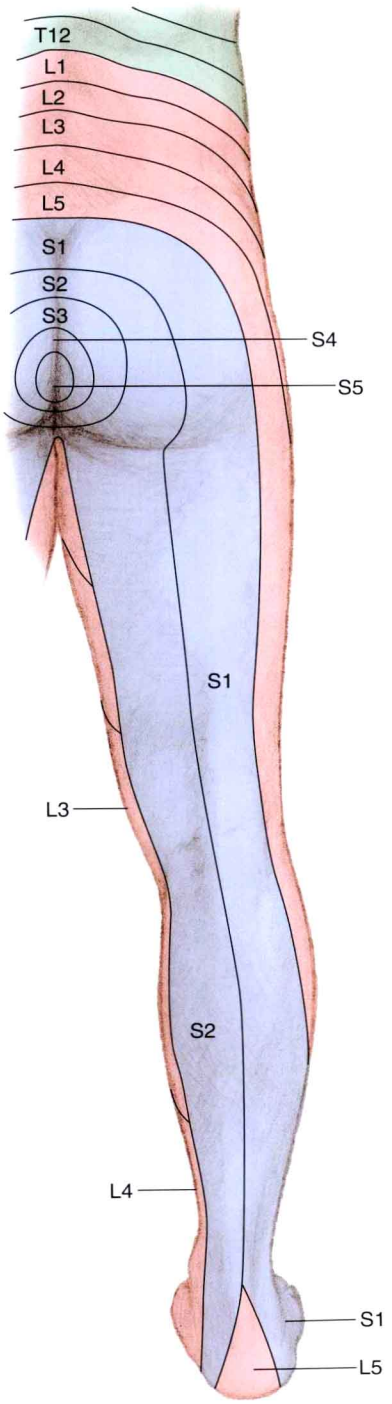

A.足底观 Plantar view
B.皮支分布，后面观
Cutaneous distribution, Posterior view
C.皮支分布，足底观
Cutaneous distribution, Plantar view
跨收肌
Adductor hallucis muscle:
横头 Transverse head
斜头 Oblique head
蚓状肌
Lumbrical muscles
跨短屈肌
Flexor hallucis brevis muscle:
外侧头 Lateral head
内侧头 Medial head
骨间肌
Interosseous muscles
足底外侧神经
Lateral plantar nerve:
深支 Deep branch
浅支 Superficial branch
小趾短屈肌
Flexor digiti minimi brevis muscle
小趾展肌
Abductor digiti minimi muscle
跨展肌(切断)
Abductor hallucis muscle(cut)
足底方肌
Quadratus plantae muscle
足底内侧神经
Medial plantar nerve
足底外侧神经
Lateral plantar nerve
趾短屈肌(切断)
Flexor digitorum brevis muscle(cut)
胫神经
Tibial nerve
跟内侧支
Medial calcaneal branch
腓肠内侧皮神经
Medial sural cutaneous nerve
腓肠神经 Sural nerve
胫神经的跟内侧支
Medial calcaneal branches of tibial nerve
足底内侧神经
Medial plantar nerve
足底外侧神经
Lateral plantar nerve
胫神经跟内侧支
Medial calcaneal branch of tibial nerve


A.前面观 Anterior view
B.后面观 Posterior view
臀部神经 Cluneal nerves:
上皮支 Superior
内侧皮支 Medial
下皮支 Inferior
髂腹下神经外侧皮支
Lateral cutaneous branch of iliohypogastric nerve
生殖股神经
Genitofemoral nerve:
股神经 Femoral nerve
生殖器支
(与髂腹股沟神经伴行)
Genital branch
(with ilioinguinal nerve)
股外侧皮神经
Lateral femoral cutaneous nerve
股后皮神经
Posterior femoral cutaneous nerve
闭孔神经皮支
Cutaneous branches of obturator nerve
股神经前皮支
Anterior cutaneous branches of femoral nerve
腓肠外侧皮支
Lateral sural cutaneous nerve
隐神经
Saphenous nerve
腓肠内侧皮神经
Medial sural cutaneous nerve
腓神经浅支
Superficial fibular nerve
腓肠神经
Sural nerve
胫神经跟内侧支
Medial calcaneal branch of tibia nerve
腓深神经
Deep fibular nerve
足底内侧神经
Medial plantar nerve
足底外侧神经
Lateral plantar nerve

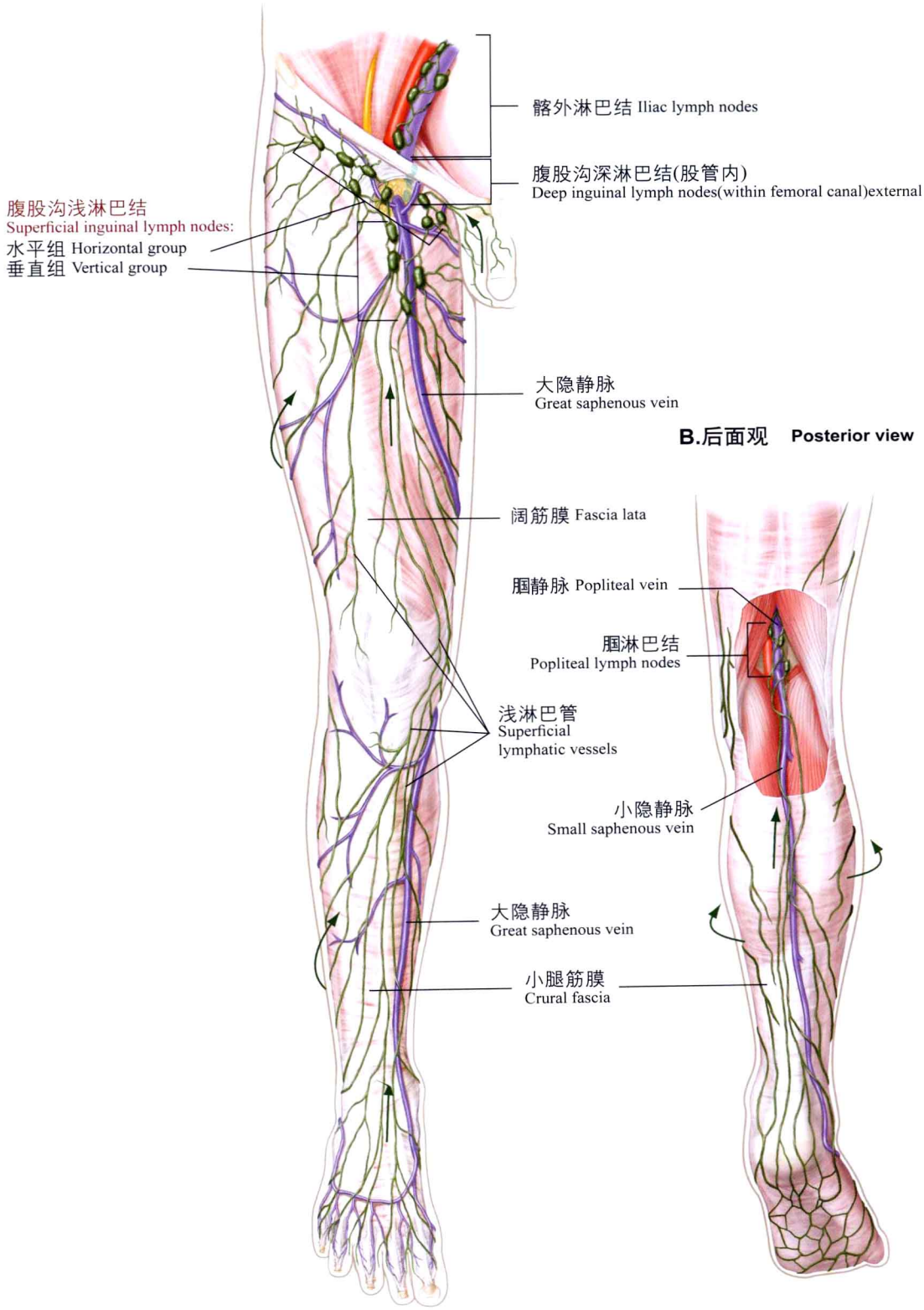
A.前面观 Anterior view

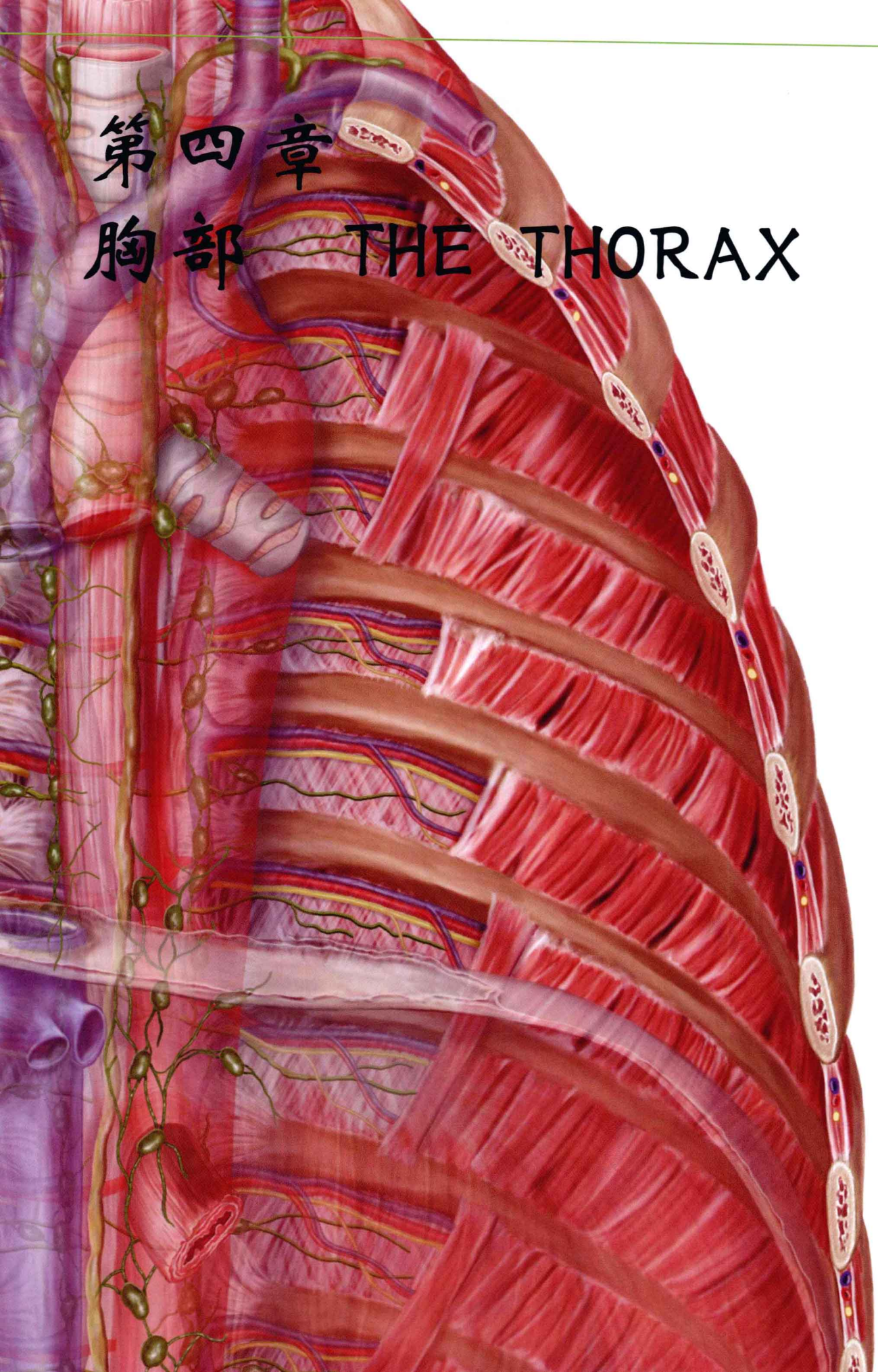


B.后面观 Posterior view



A.前面观 Anterior view



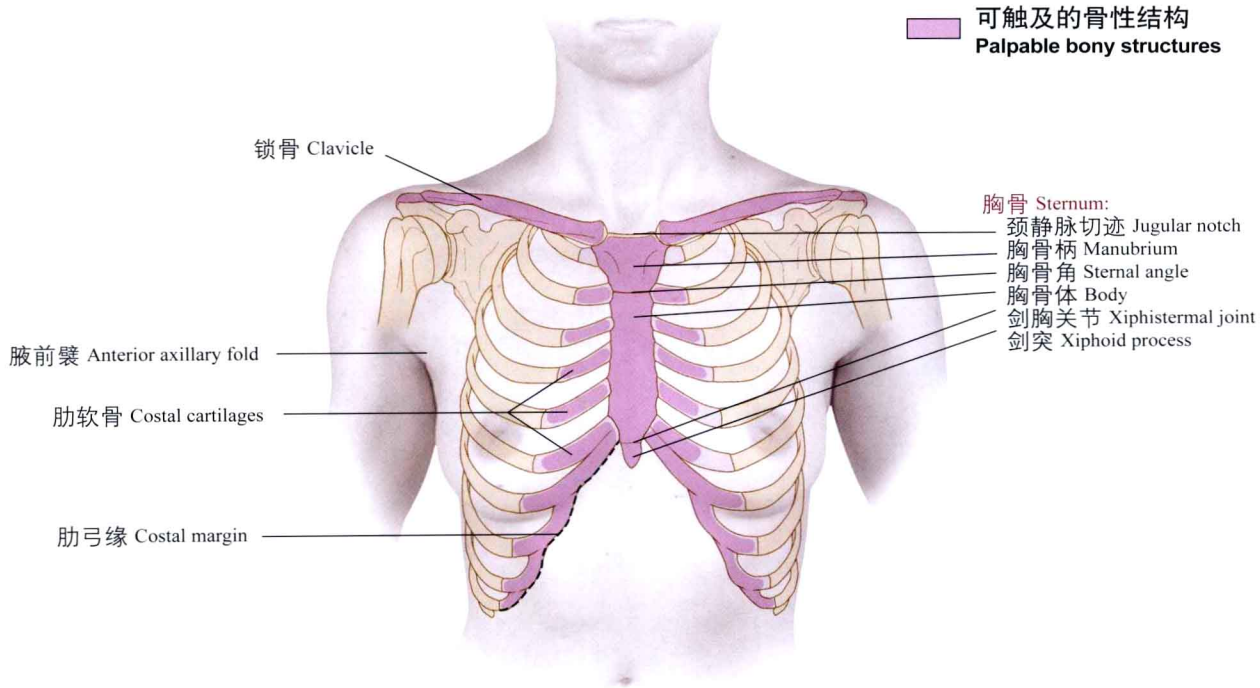


第四章
胸部 THE THORAX

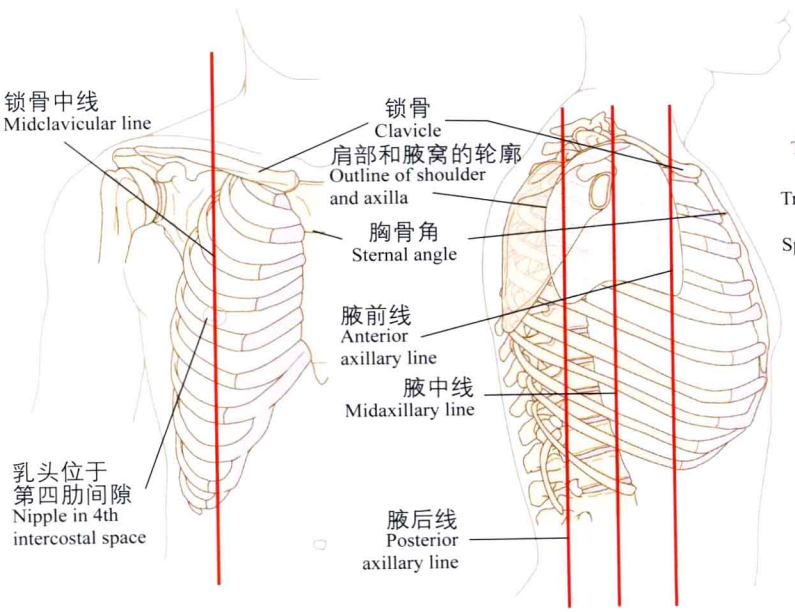
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A.前面观 Anterior view

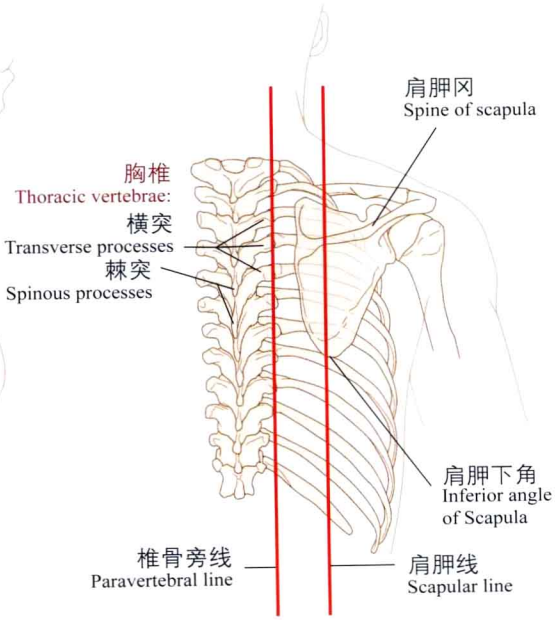


B.标志，前面观 Landmarks, anterior view

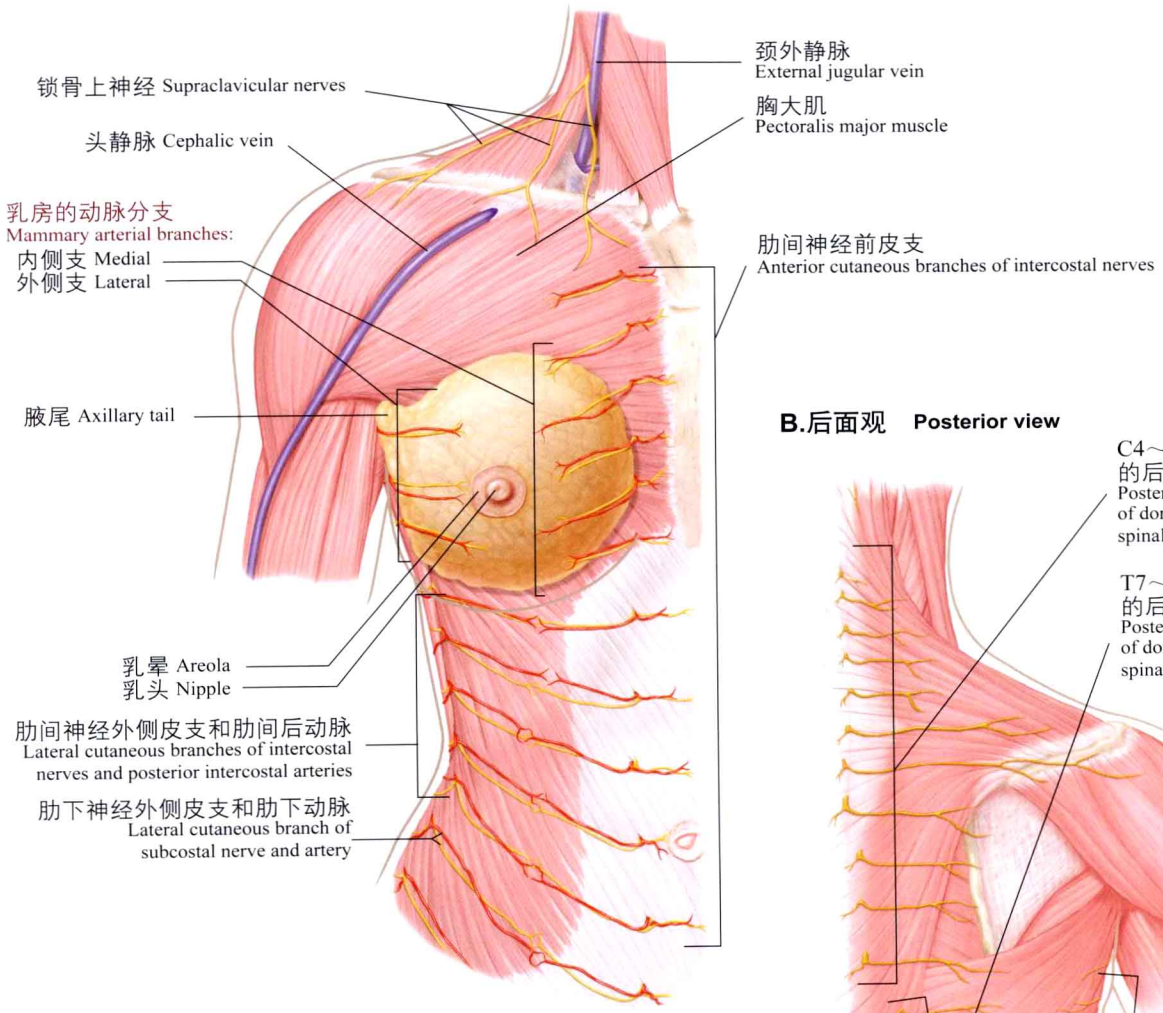


C.标志，侧面观 Landmarks, lateral view

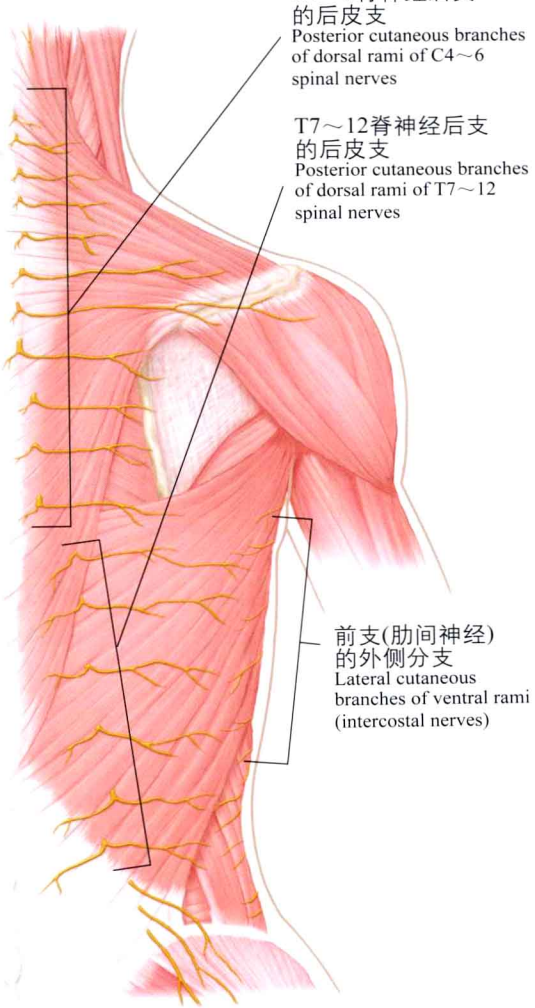
D.标志，后面观 Landmarks, posterior view



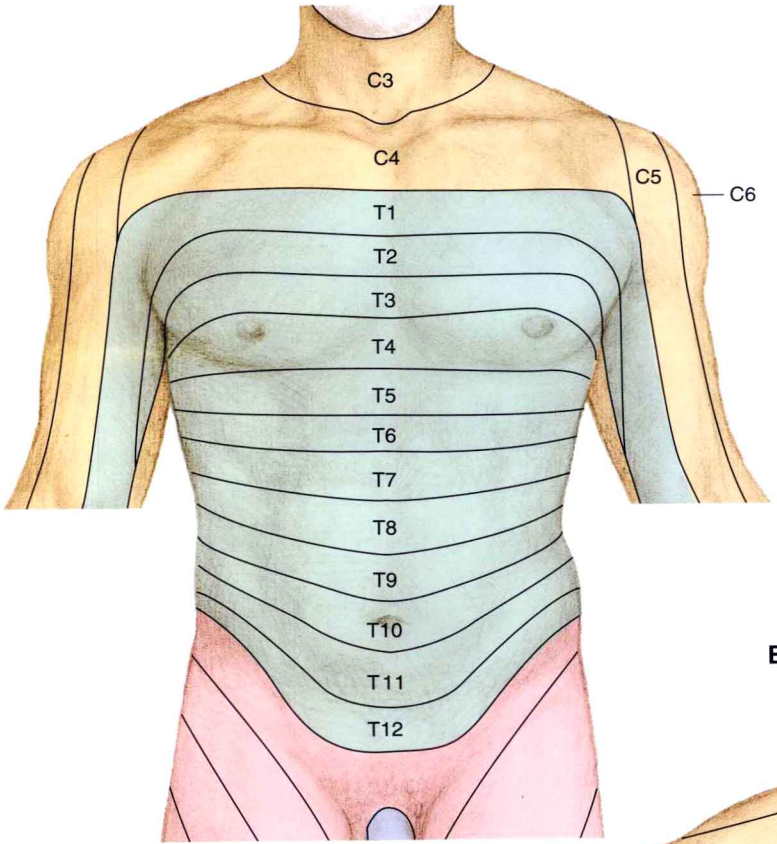
A.前面观，男性 Anterior view,female



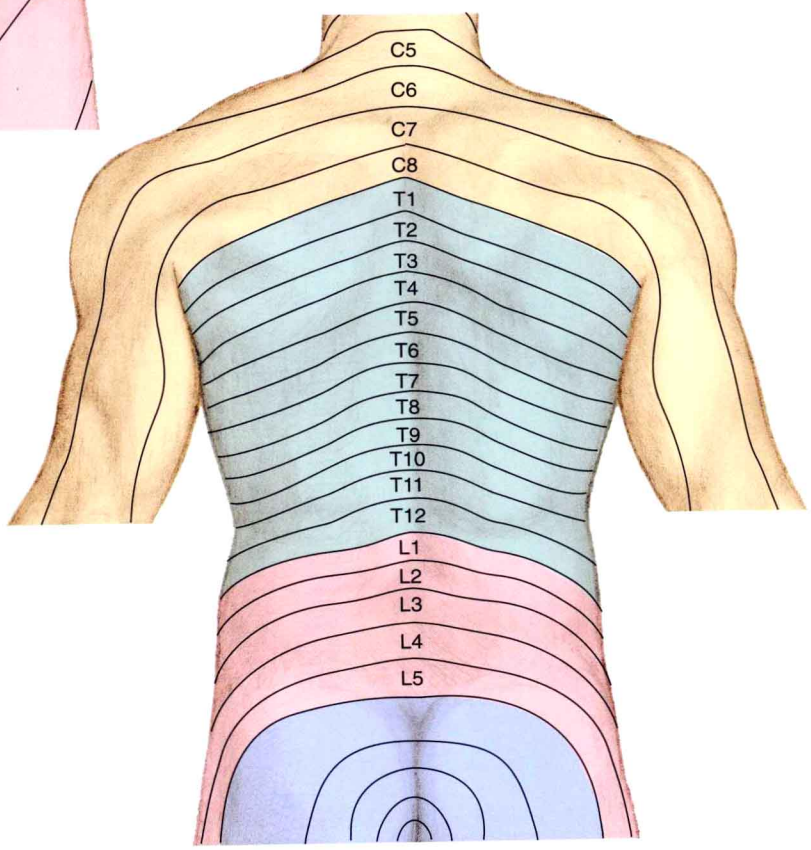
B.后面观 Posterior view



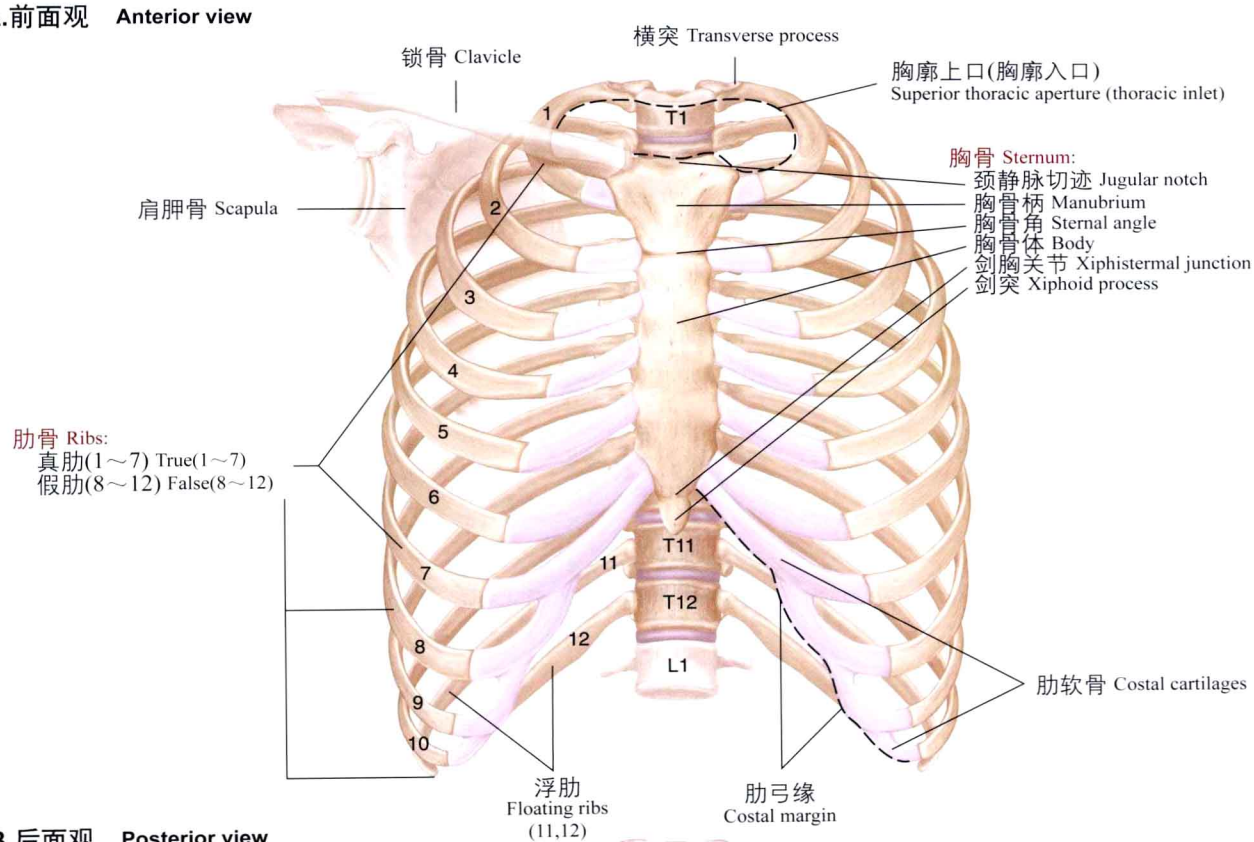
A.前面观 Anterior view



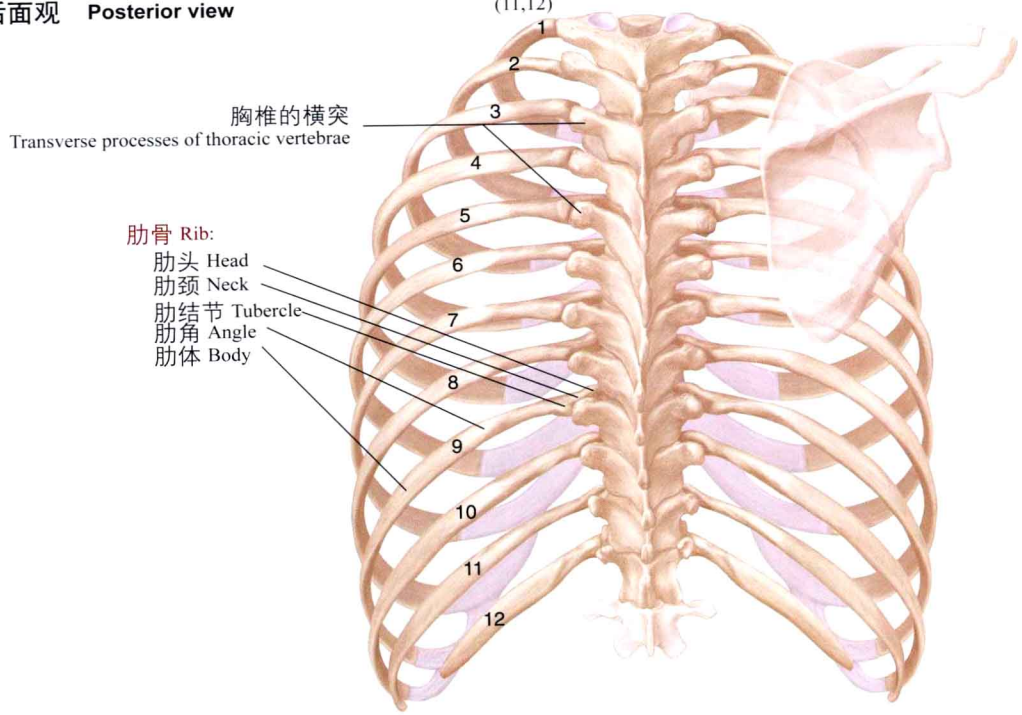
B.后面观 Posterior view



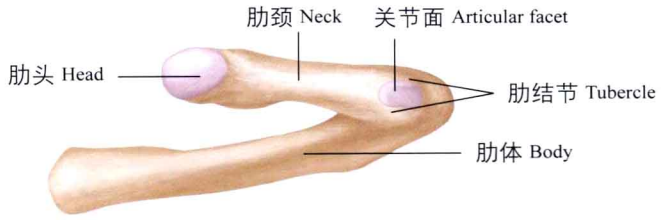
A.前面观 Anterior view



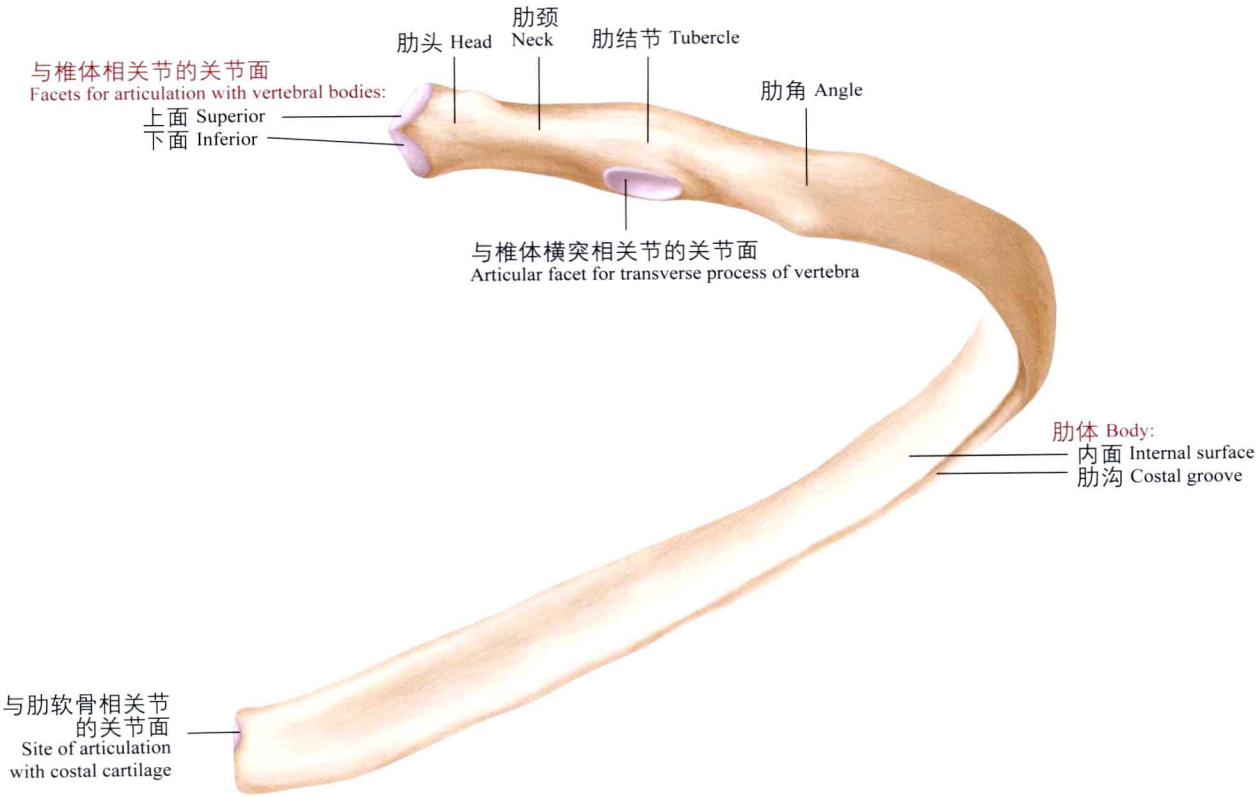
B.后面观 Posterior view



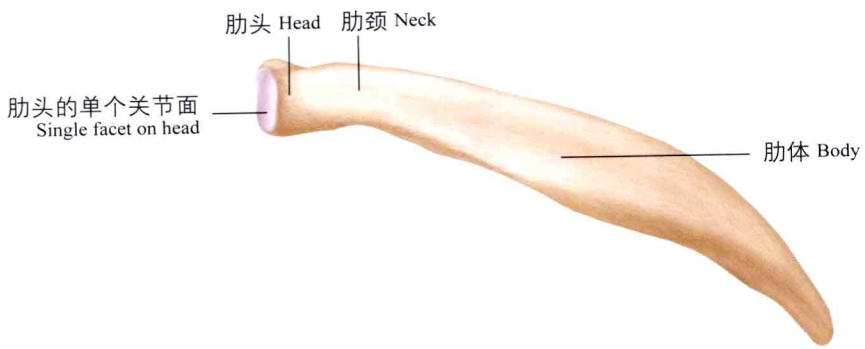
A.第1肋，后面观 First rib, posterior view



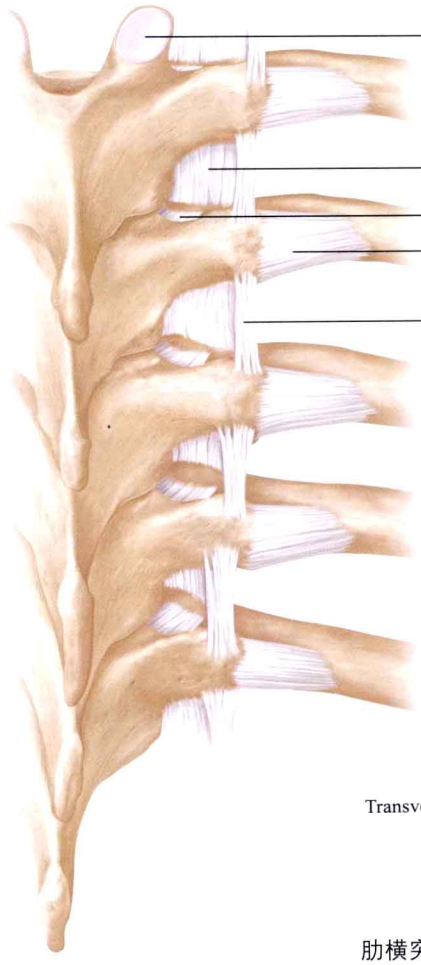
B.第6肋，后面观 Sixth rib, posterior view



C.第12肋，后面观 Twelfth rib, posterior view



A.后面观 Posterior view



上关节突和关节面 Superior articular process and facet

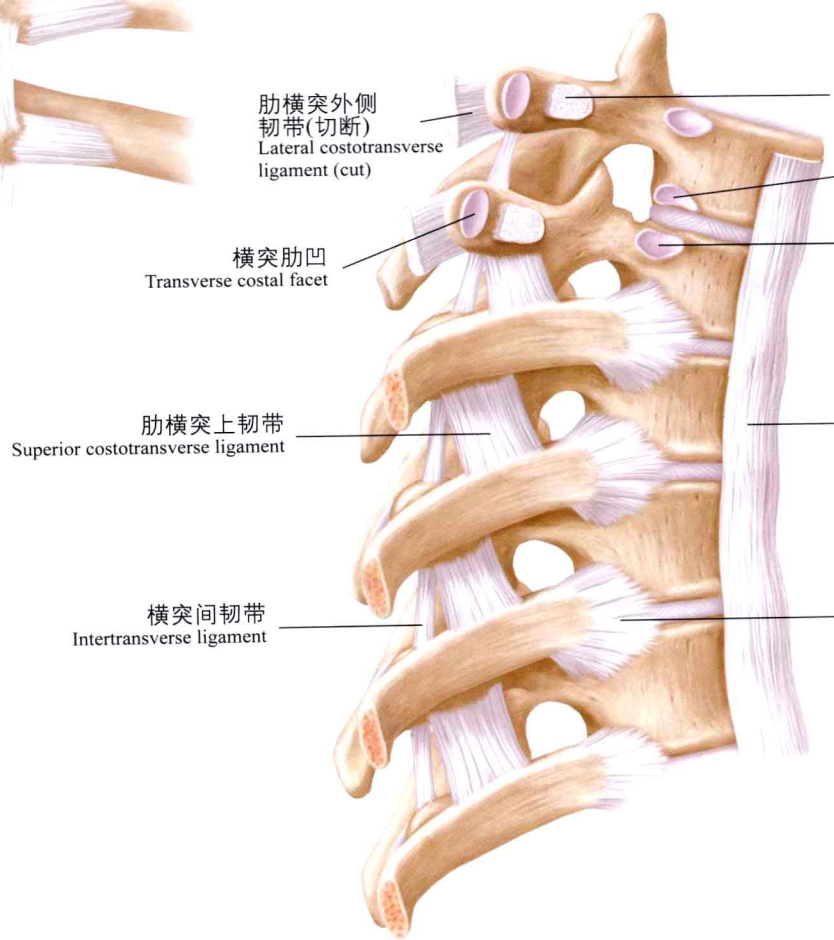
肋横突上韧带 Superior costotransverse ligament

肋横突韧带 Costotransverse ligament

肋横突外侧韧带 Lateral costotransverse ligament

横突间韧带 Intertransverse ligament

B.侧面观 Lateral view



肋横突外侧韧带(切断)
Lateral costotransverse ligament (cut)

肋横突韧带(切断)
Costotransverse ligament(cut)

肋结节关节面
Inferior costal facet

肋头关节面
Superior costal facet

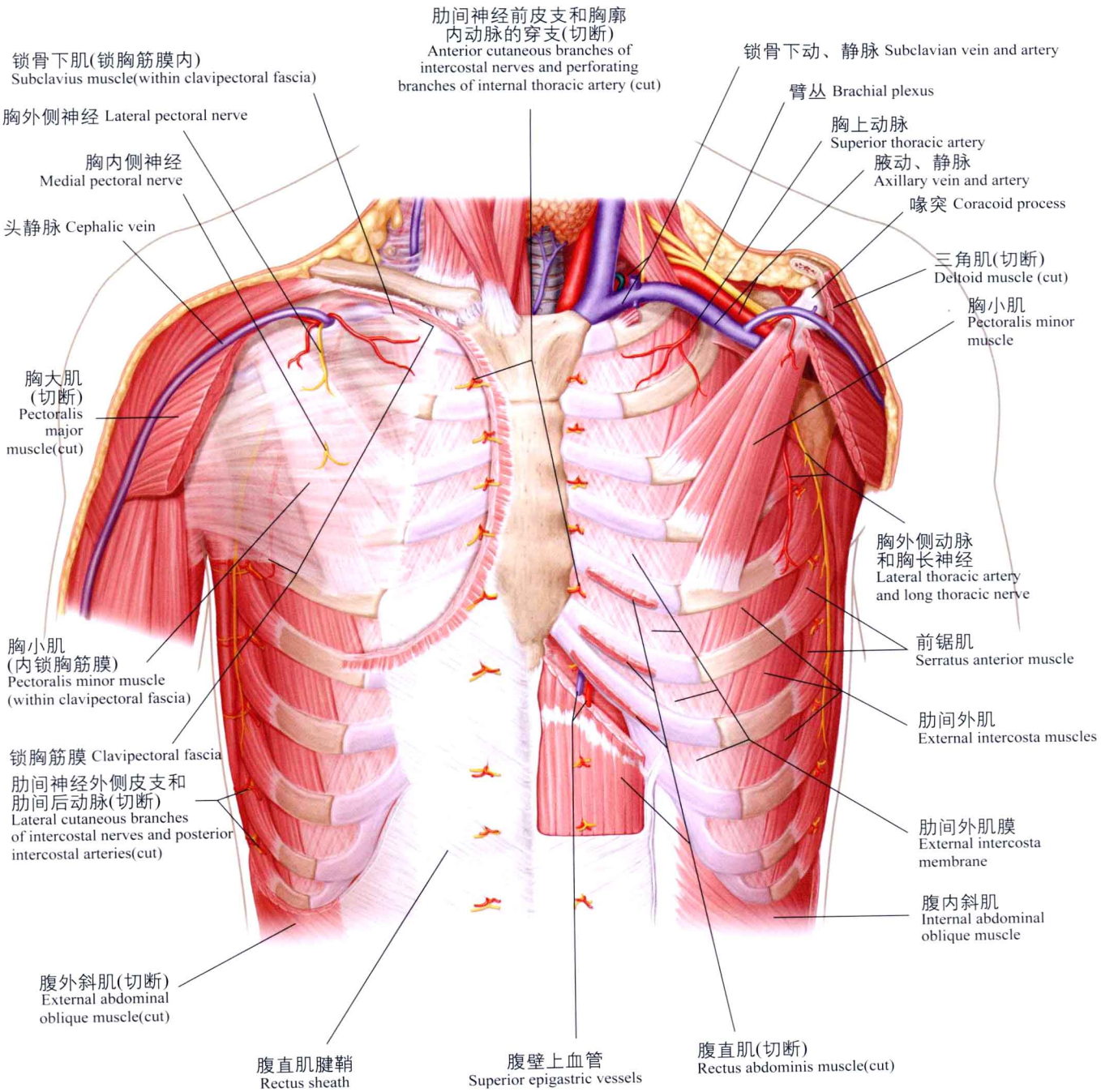
横突肋凹
Transverse costal facet

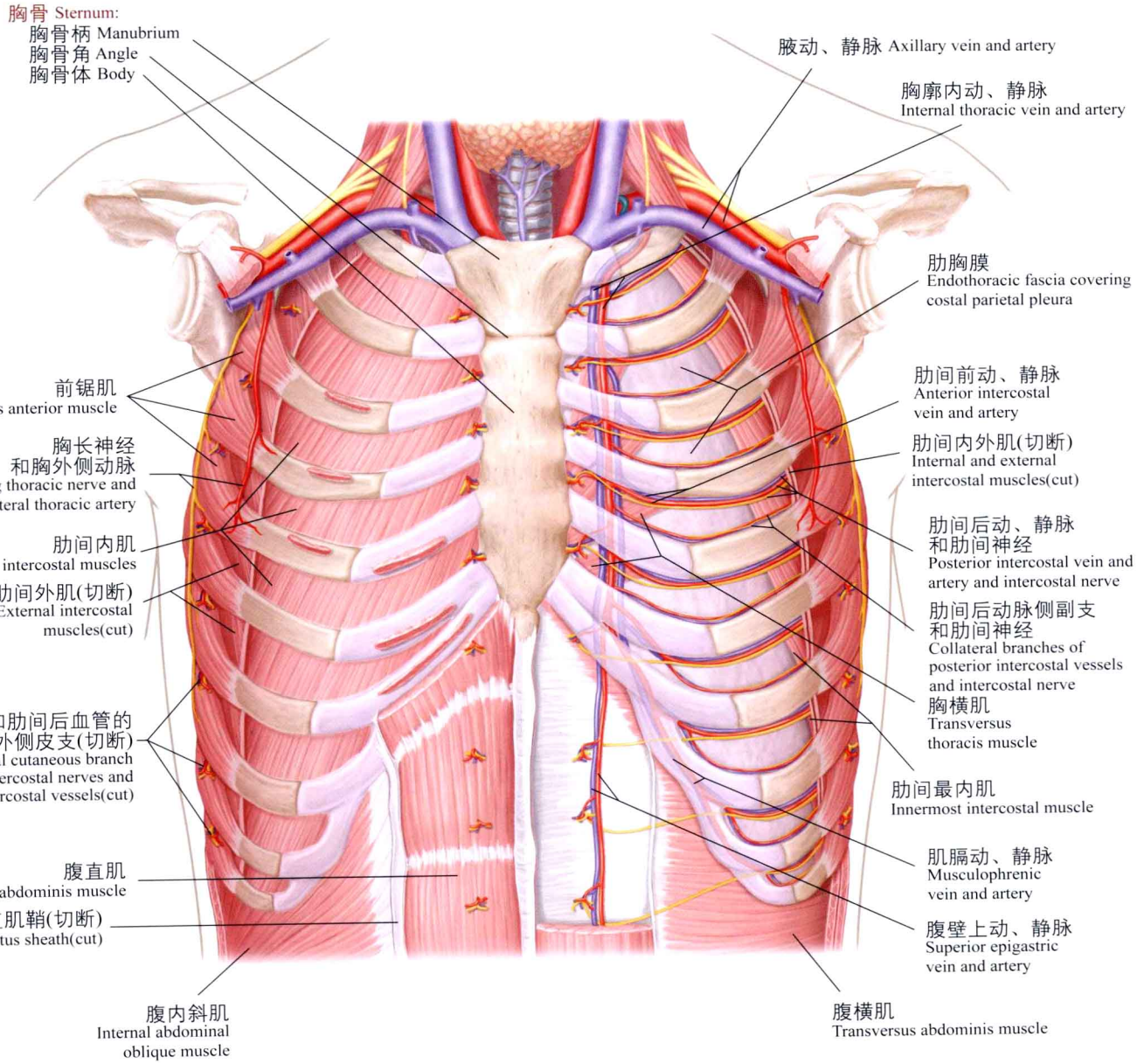
肋横突上韧带
Superior costotransverse ligament

前纵韧带
Anterior longitudinal ligament

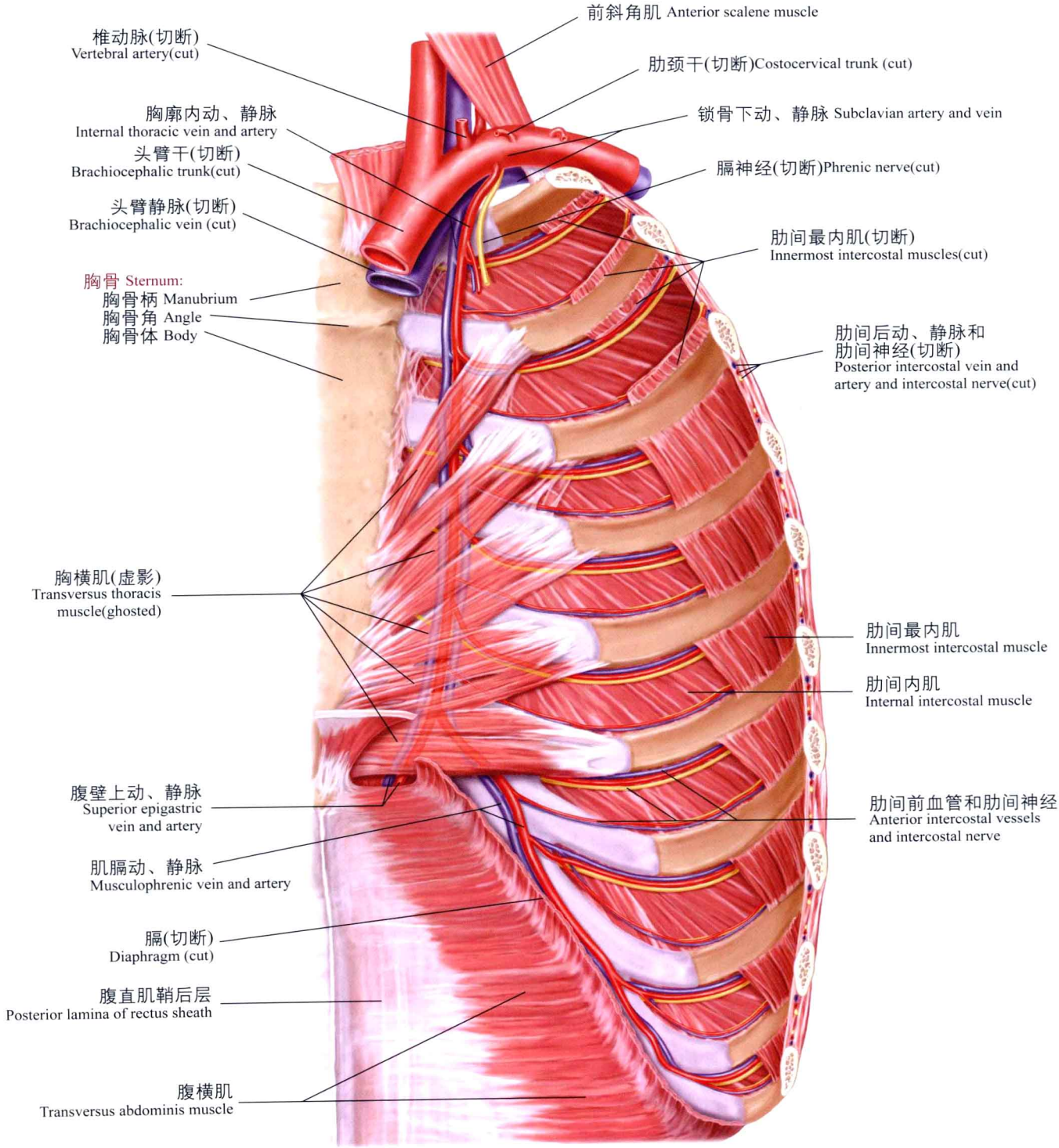
横突间韧带
Intertransverse ligament

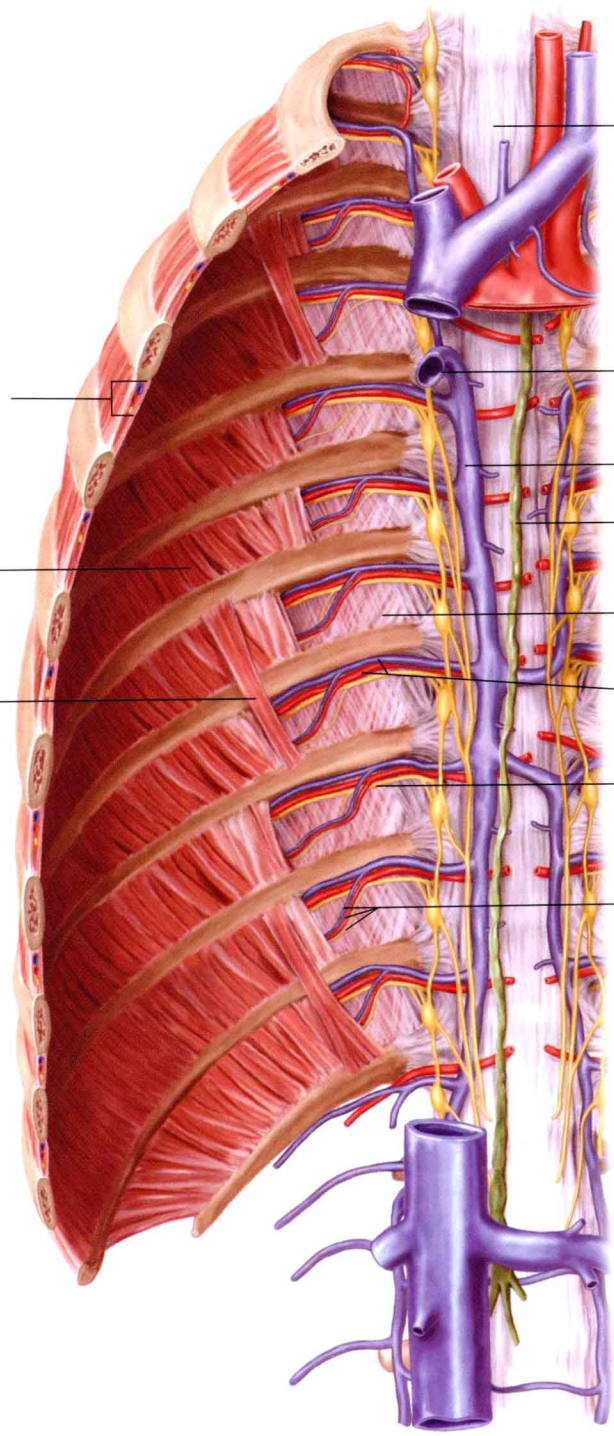
肋头辐状韧带
Radiate ligament of head of rib


肋间神经前皮支和胸廓内动脉的穿支(切断)
Anterior cutaneous branches of intercostal nerves and perforating branches of internal thoracic artery (cut)
锁骨下肌(锁胸筋膜内)
Subclavius muscle(within clavipectoral fascia)
锁骨下动、静脉 Subclavian vein and artery
臂丛 Brachial plexus
胸外侧神经 Lateral pectoral nerve
胸上动脉
Superior thoracic artery
胸内侧神经
Medial pectoral nerve
腋动、静脉
Axillary vein and artery
喙突 Coracoid process
头静脉 Cephalic vein
三角肌(切断)
Deltoid muscle (cut)
胸小肌
Pectoralis minor muscle
胸大肌(切断)
Pectoralis major muscle(cut)
胸外侧动脉和胸长神经
Lateral thoracic artery and long thoracic nerve
前锯肌
Serratus anterior muscle
胸小肌(内锁胸筋膜)
Pectoralis minor muscle (within clavipectoral fascia)
肋间外肌
External intercosta muscles
锁胸筋膜 Clavipectoral fascia
肋间神经外侧皮支和肋间后动脉(切断)
Lateral cutaneous branches of intercostal nerves and posterior intercostal arteries(cut)
肋间外肌膜
External intercosta membrane
腹内斜肌
Internal abdominal oblique muscle
腹外斜肌(切断)
External abdominal oblique muscle(cut)
腹直肌腱鞘
Rectus sheath
腹壁上血管
Superior epigastric vessels
腹直肌(切断)
Rectus abdominis muscle(cut)


胸骨 Sternum:
胸骨柄 Manubrium
胸骨角 Angle
胸骨体 Body
腋动、静脉 Axillary vein and artery
胸廓内动、静脉
Internal thoracic vein and artery
肋胸膜
Endothoracic fascia covering costal parietal pleura
前锯肌
Serratus anterior muscle
胸长神经和胸外侧动脉
Long thoracic nerve and lateral thoracic artery
肋间内肌
Internal intercostal muscles
肋间外肌(切断)
External intercostal muscles(cut)
肋间神经和肋间后血管的外侧皮支(切断)
Lateral cutaneous branch of intercostal nerves and posterior intercostal vessels(cut)
腹直肌
Rectus abdominis muscle
腹直肌鞘(切断)
Rectus sheath(cut)
腹内斜肌
Internal abdominal oblique muscle
肋间前动、静脉
Anterior intercostal vein and artery
肋间内外肌(切断)
Internal and external intercostal muscles(cut)
肋间后动、静脉和肋间神经
Posterior intercostal vein and artery and intercostal nerve
肋间后动脉侧副支和肋间神经
Collateral branches of posterior intercostal vessels and intercostal nerve
胸横肌
Transversus thoracis muscle
肋间最内肌
Innermost intercostal muscle
肌膈动、静脉
Musculophrenic vein and artery
腹壁上动、静脉
Superior epigastric vein and artery
腹横肌
Transversus abdominis muscle

胸前壁的肌肉，除去胸膜内面观
Muscles of the Anterior Thoracic Wall,Internal View with Pleura Removed





前纵韧带
Anterior longitudinal ligament

肋间神经血管束
Intercostal neurovascular bundle

奇静脉弓 Arch of azygos vein

奇静脉 Azygos vein

胸导管 Thoracic duct

肋间最内肌
Innermost intercostal muscle

肋间内膜
Internal intercostal membrane

肋下肌 Subcostal muscle

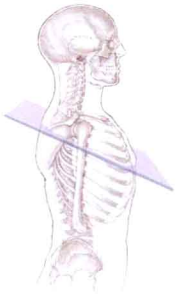
肋间后动、静脉
Posterior intercostal vein and artery

肋间神经 Intercostal nerve

肋间后动、静脉的侧副支和肋间神经
Collateral branches of posterior intercostal vein and artery and intercostal nerve

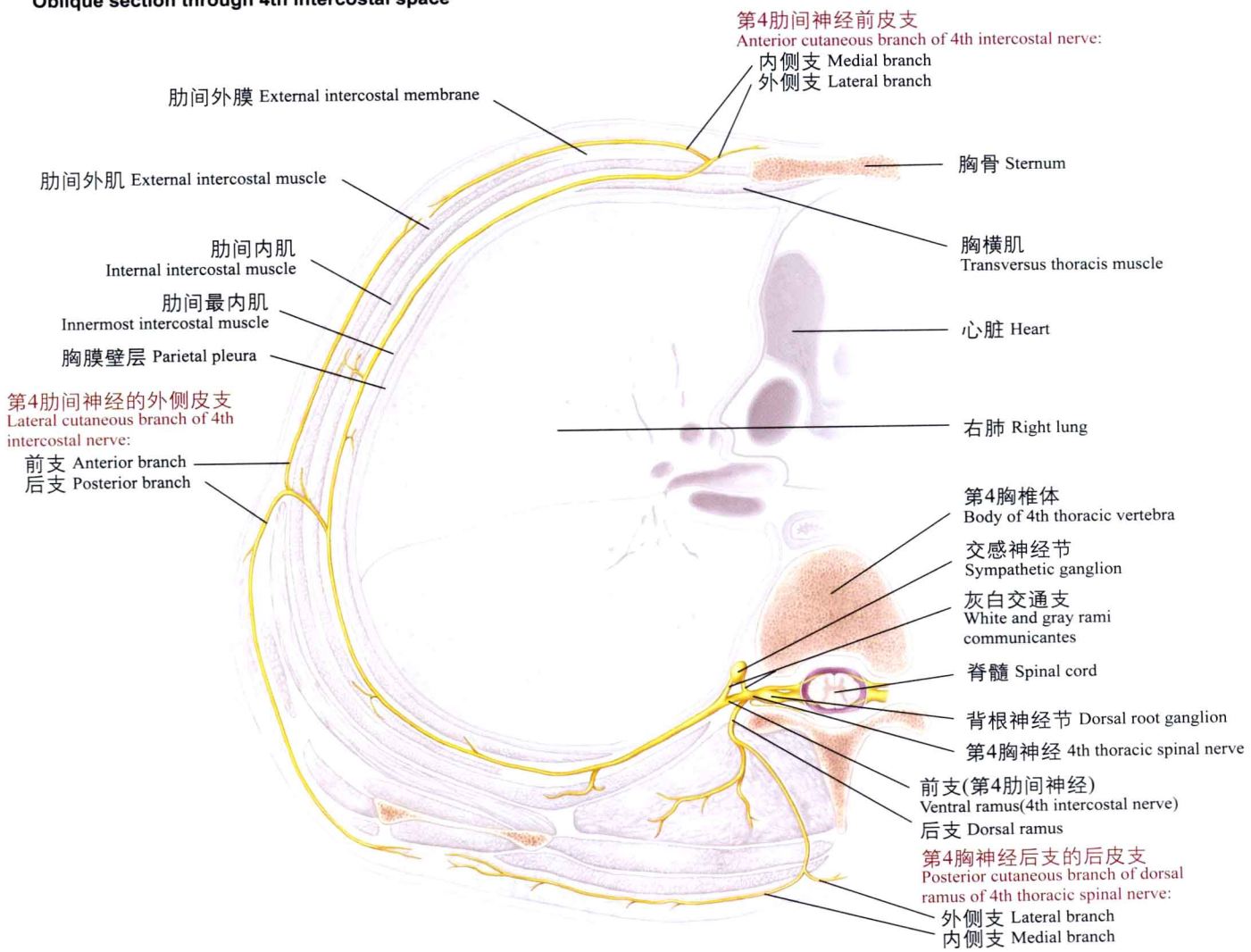
第4肋间神经的走行结构 Pattern of the 4th Intercostal Nerve

A.定位 Orientation

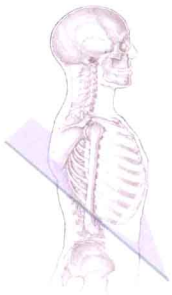


断面B的平面 Plane of section B

B.通过第4肋间隙的斜断面 Oblique section through 4th intercostal space

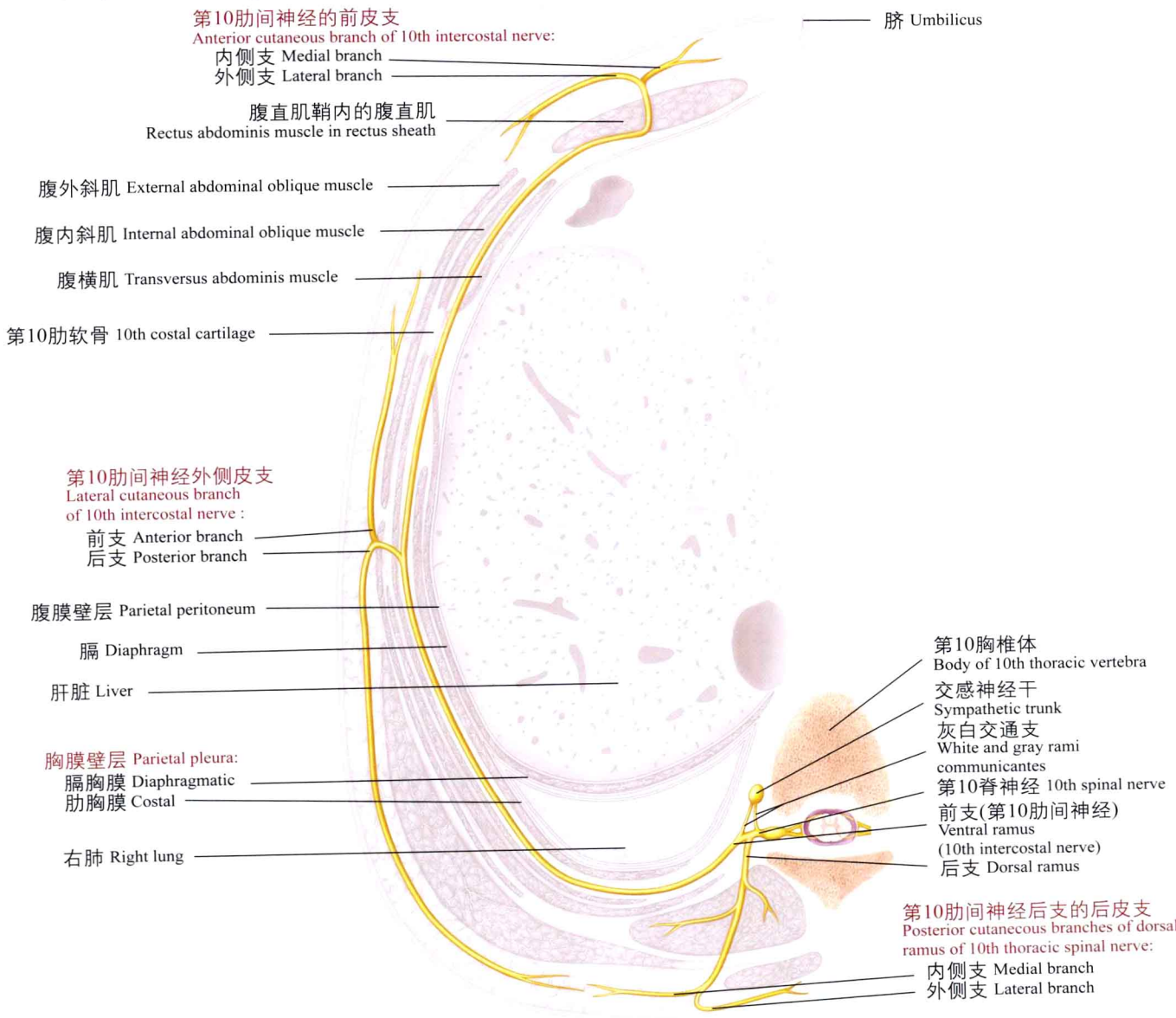


A.定位 Orientation

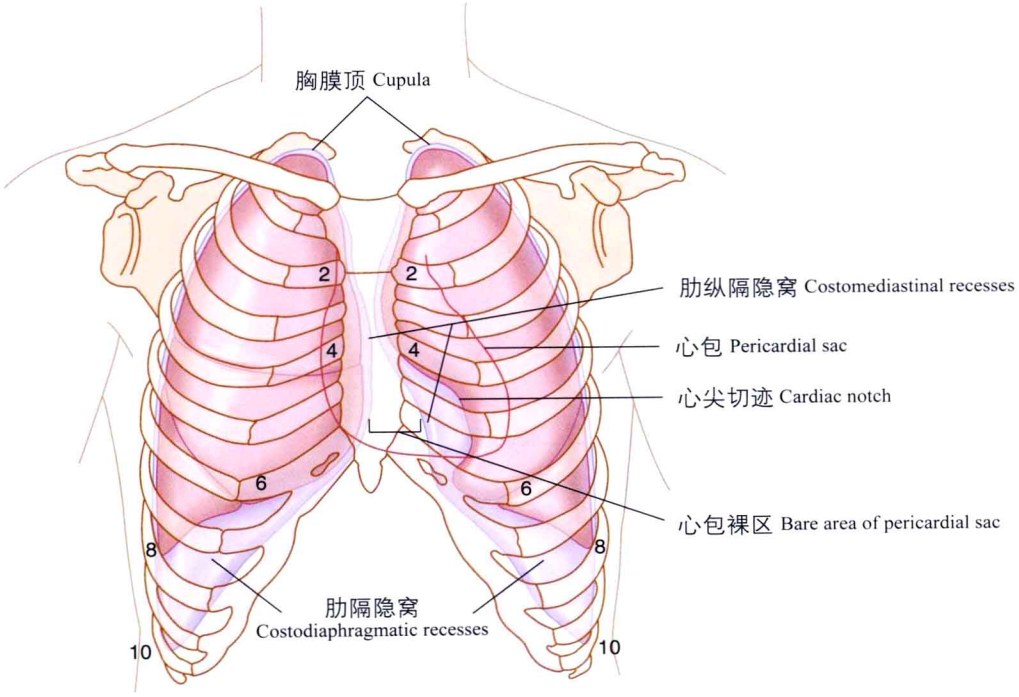


断面B的平面 Plane of section B

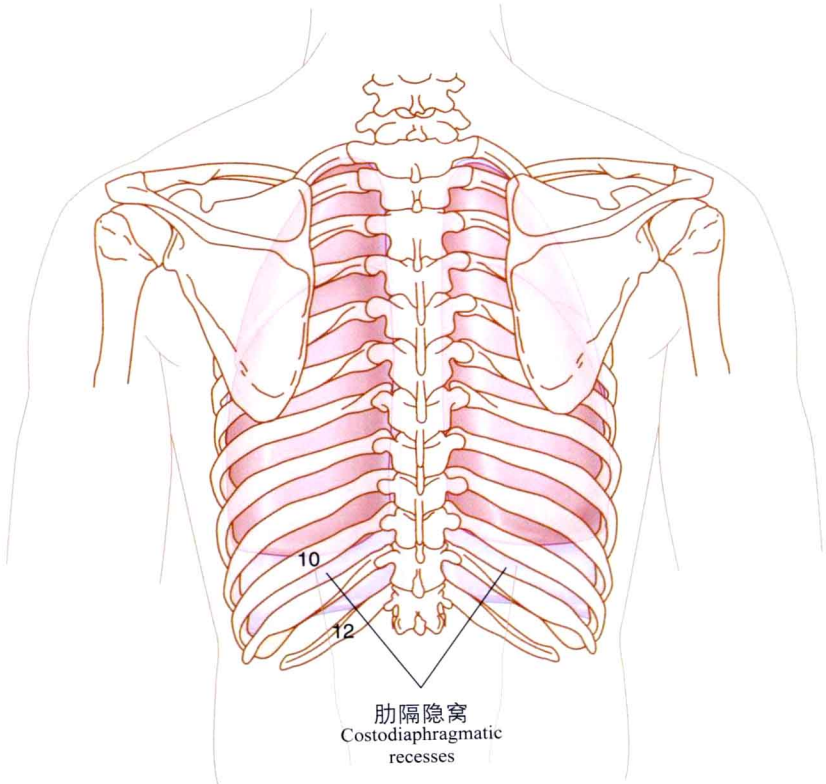
B.通过第10肋间隙的斜断面
Oblique section through 10th intercostal space



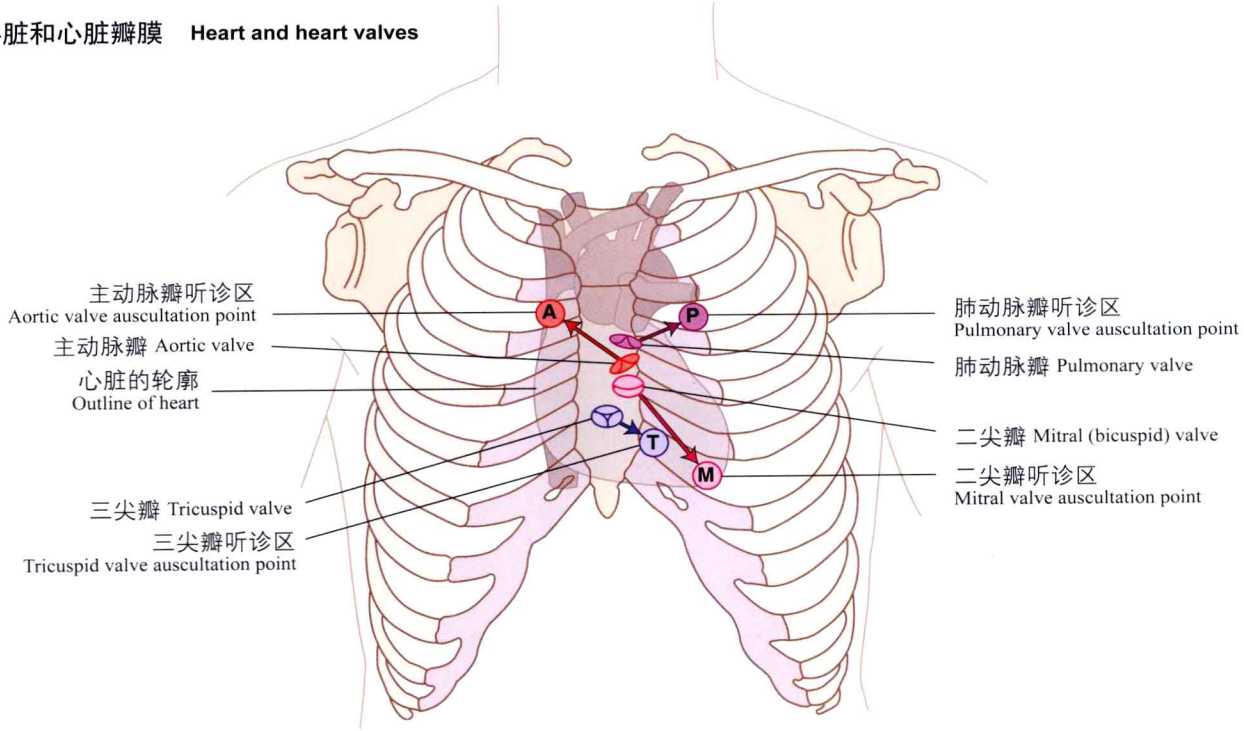
A.前面观 Anterior view



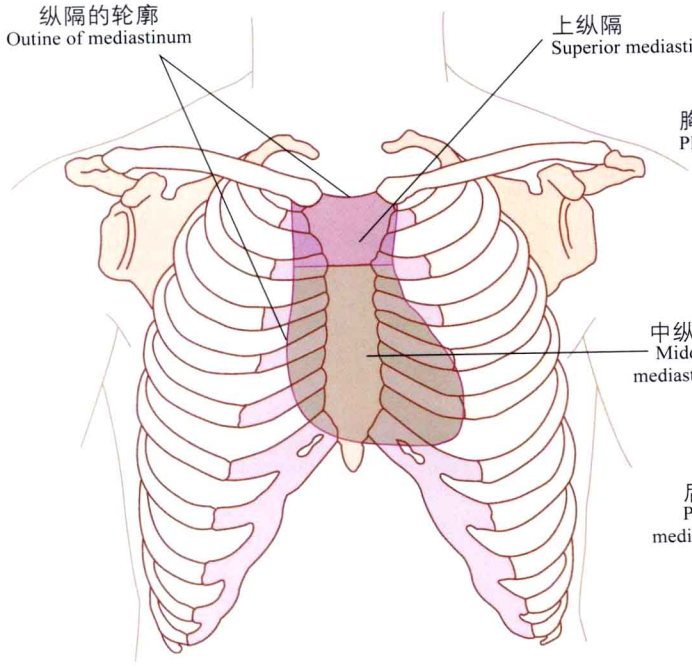
B.后面观 Posterior view



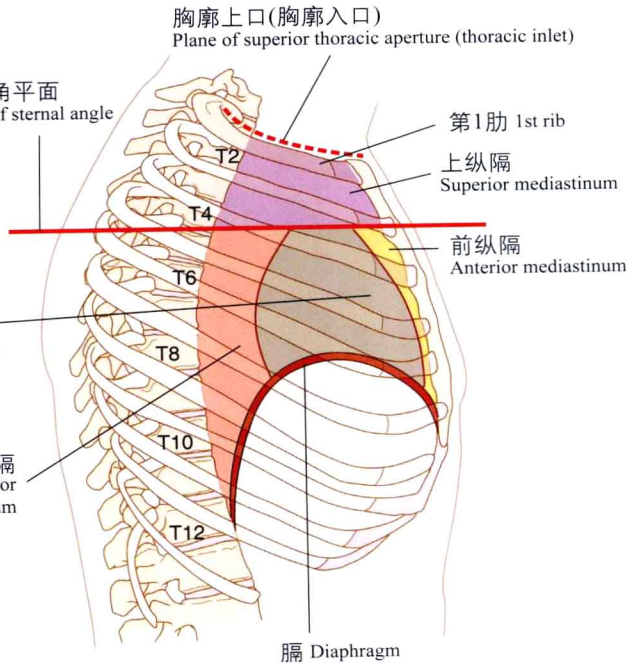
A.心脏和心脏瓣膜 Heart and heart valves

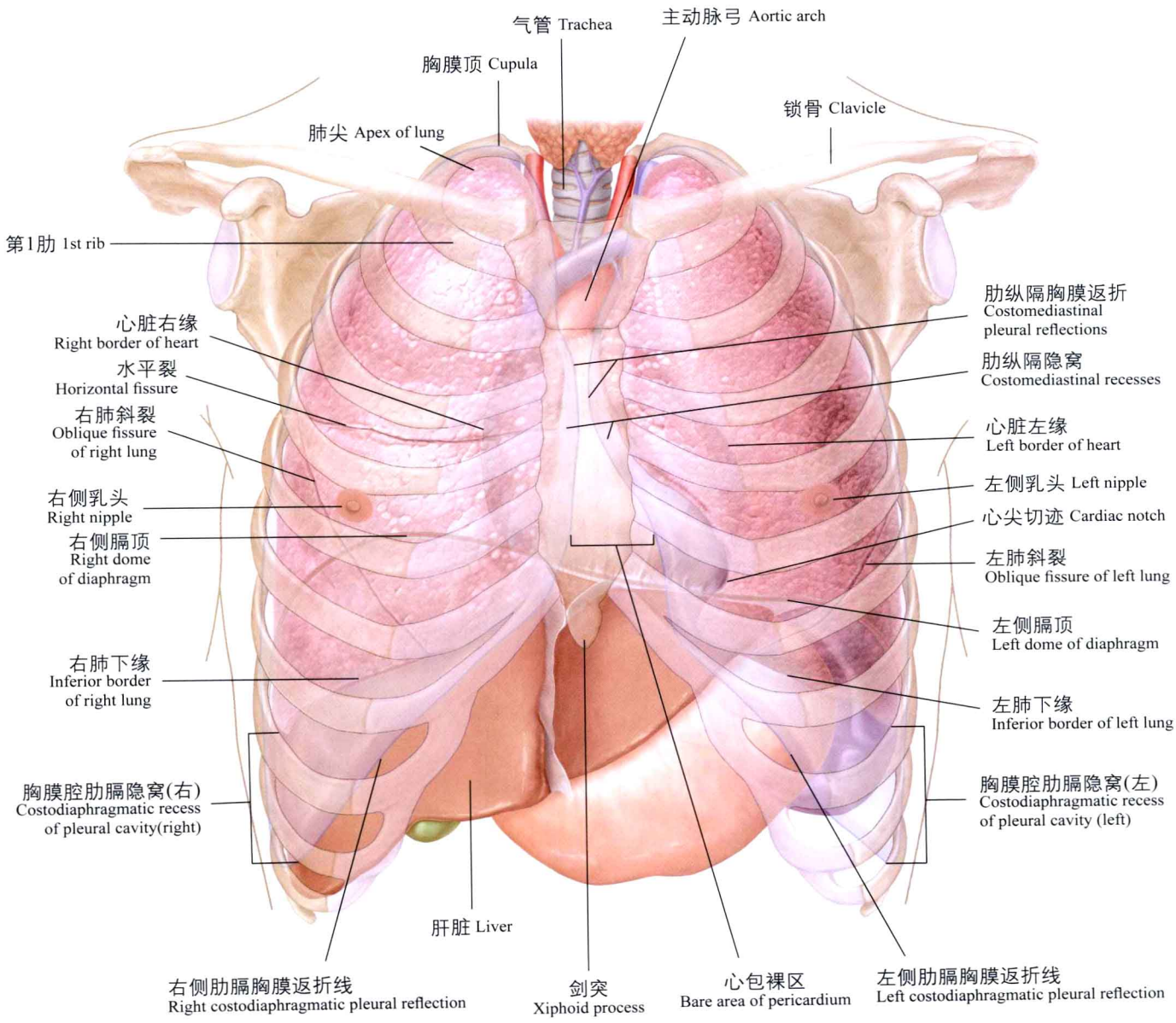


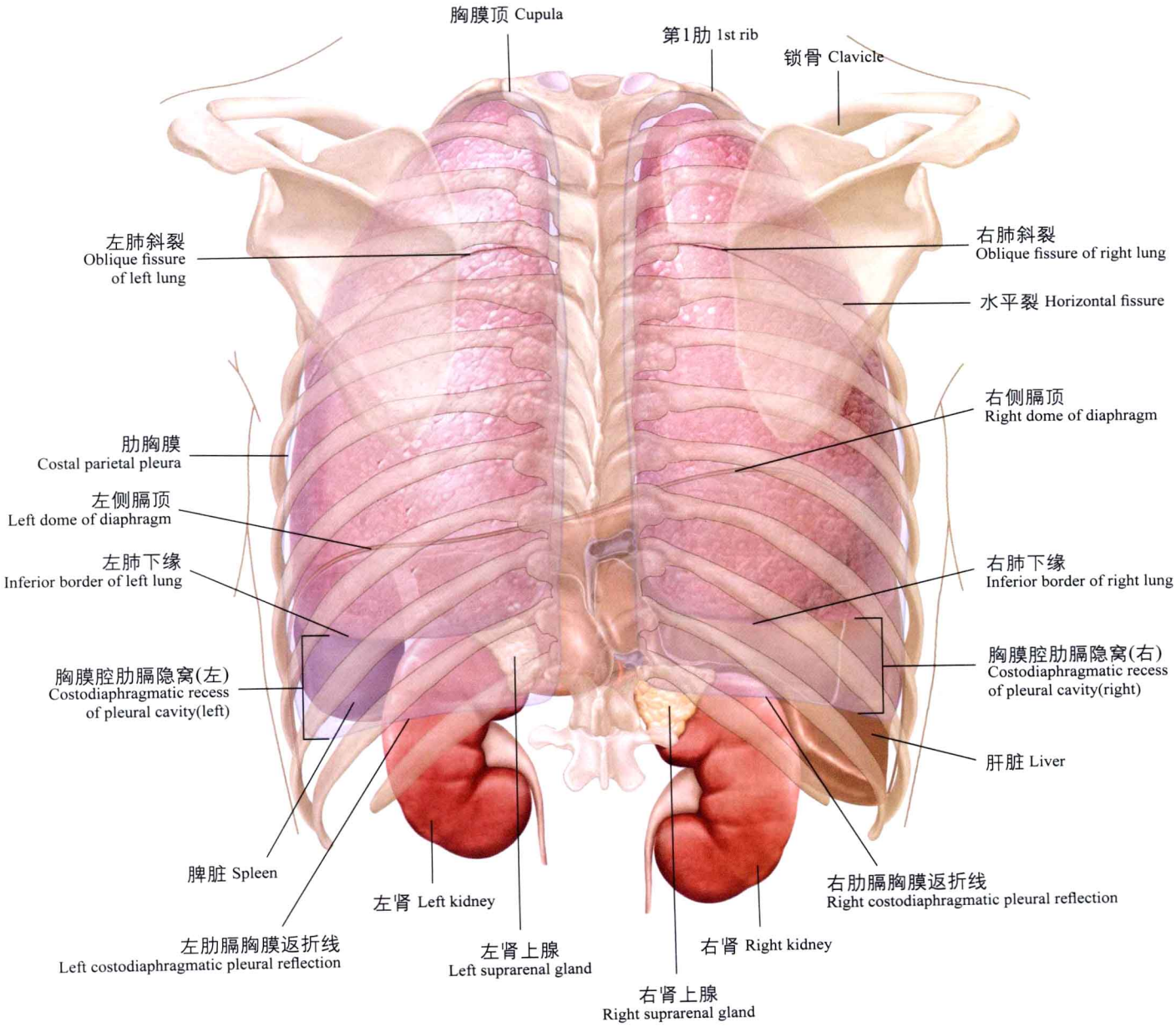
B.纵隔，前面观 Mediastinum,anterior view

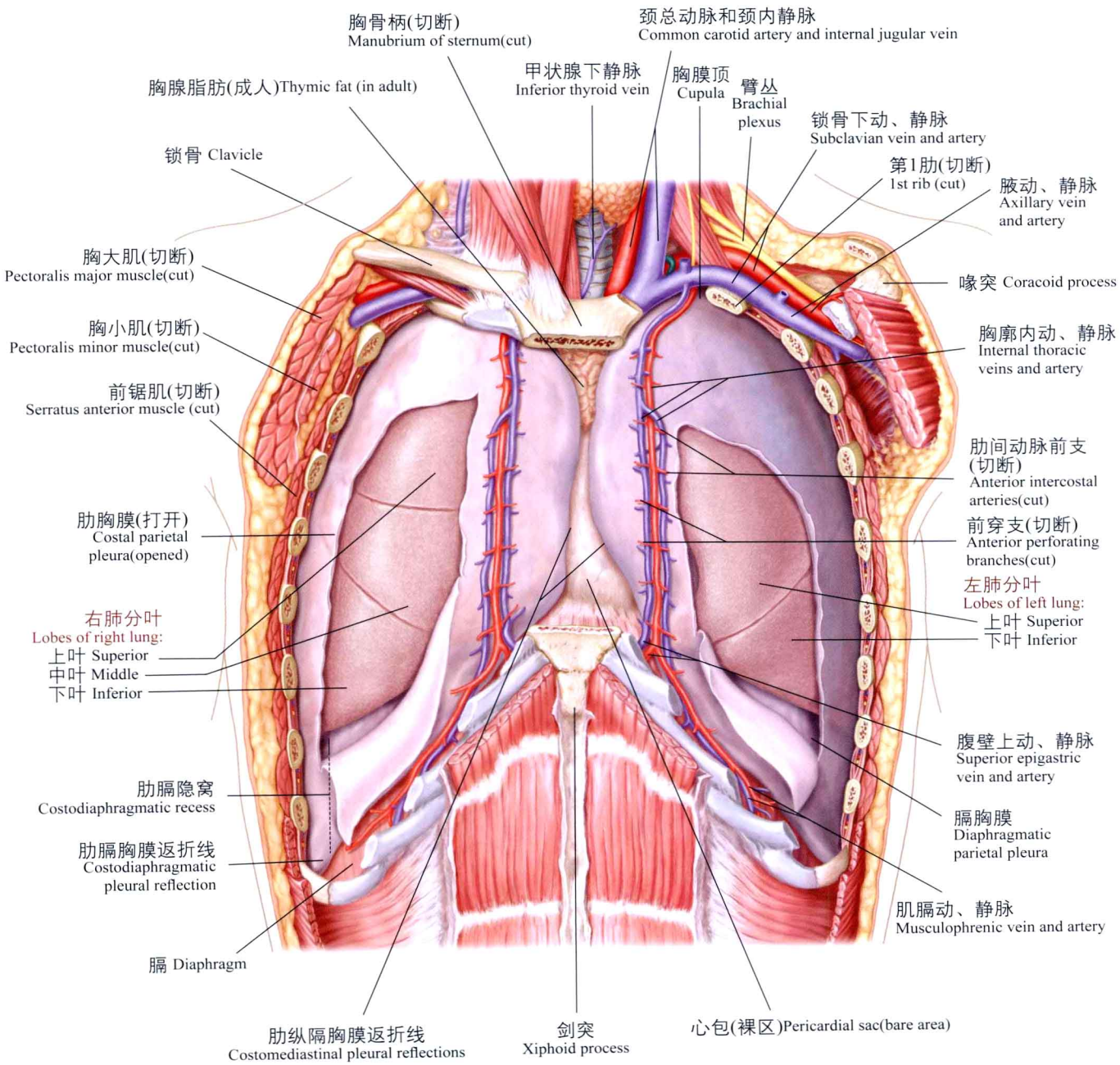


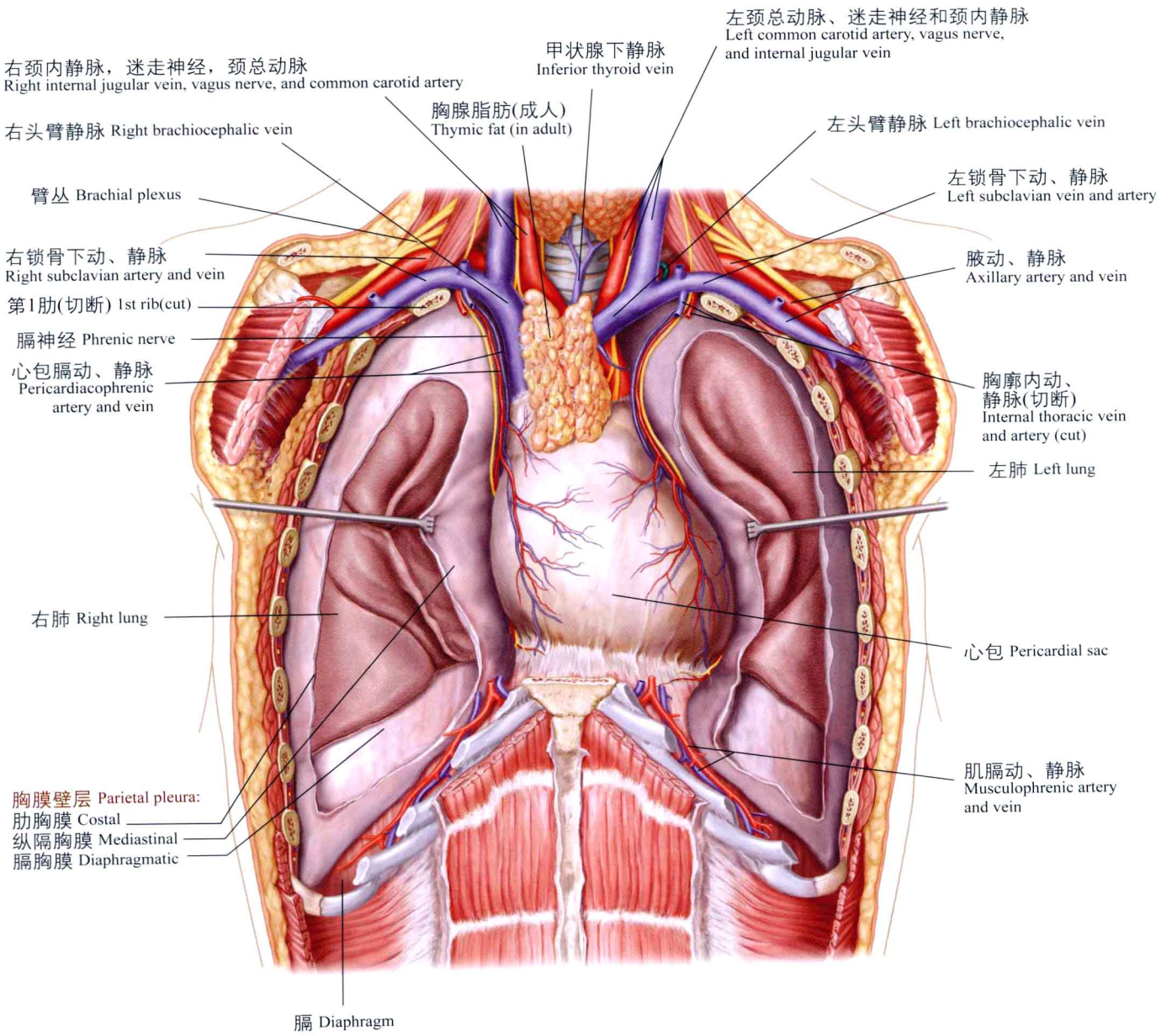
C.纵隔，右侧面观 Mediastinum,right lateral view

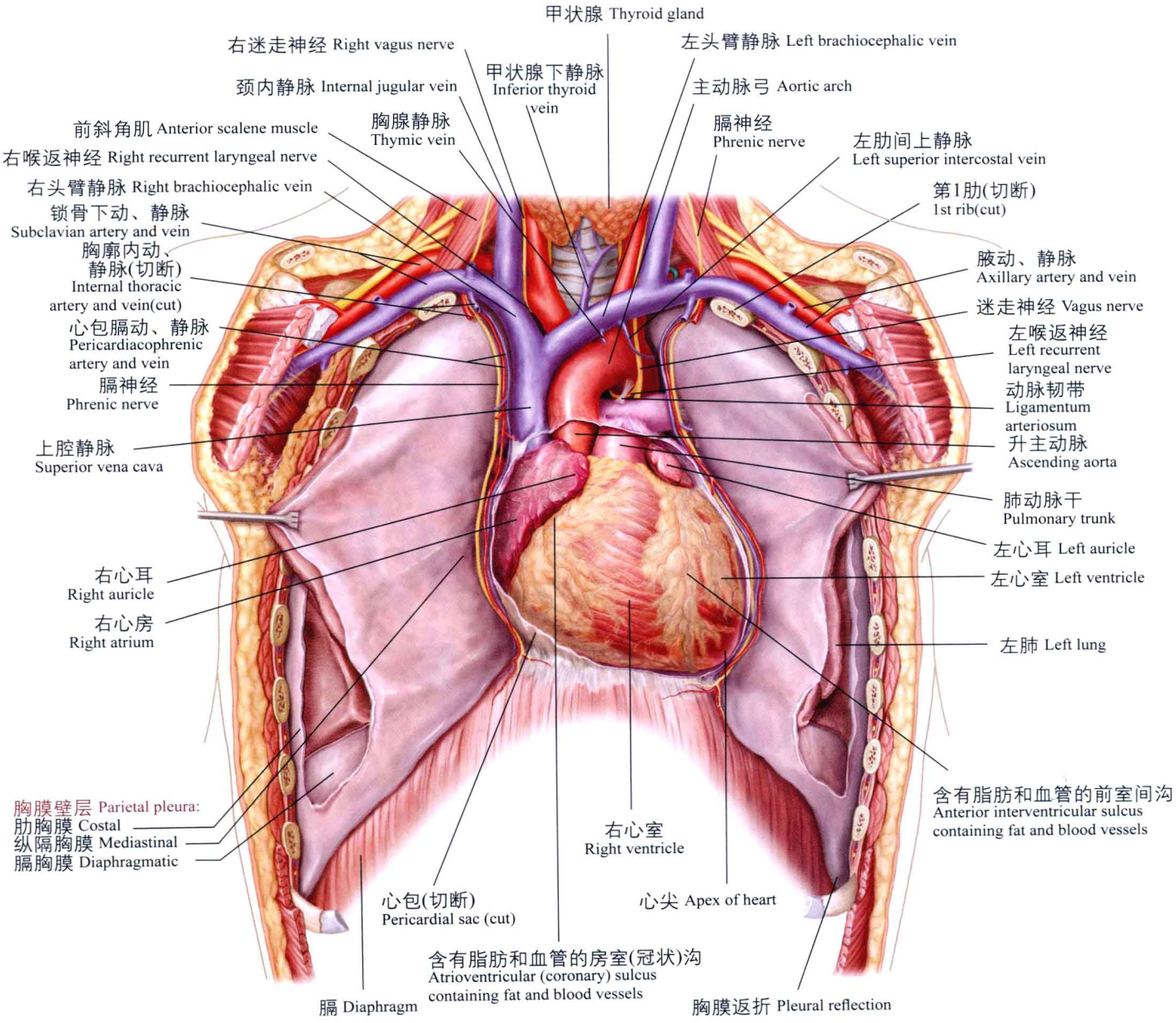


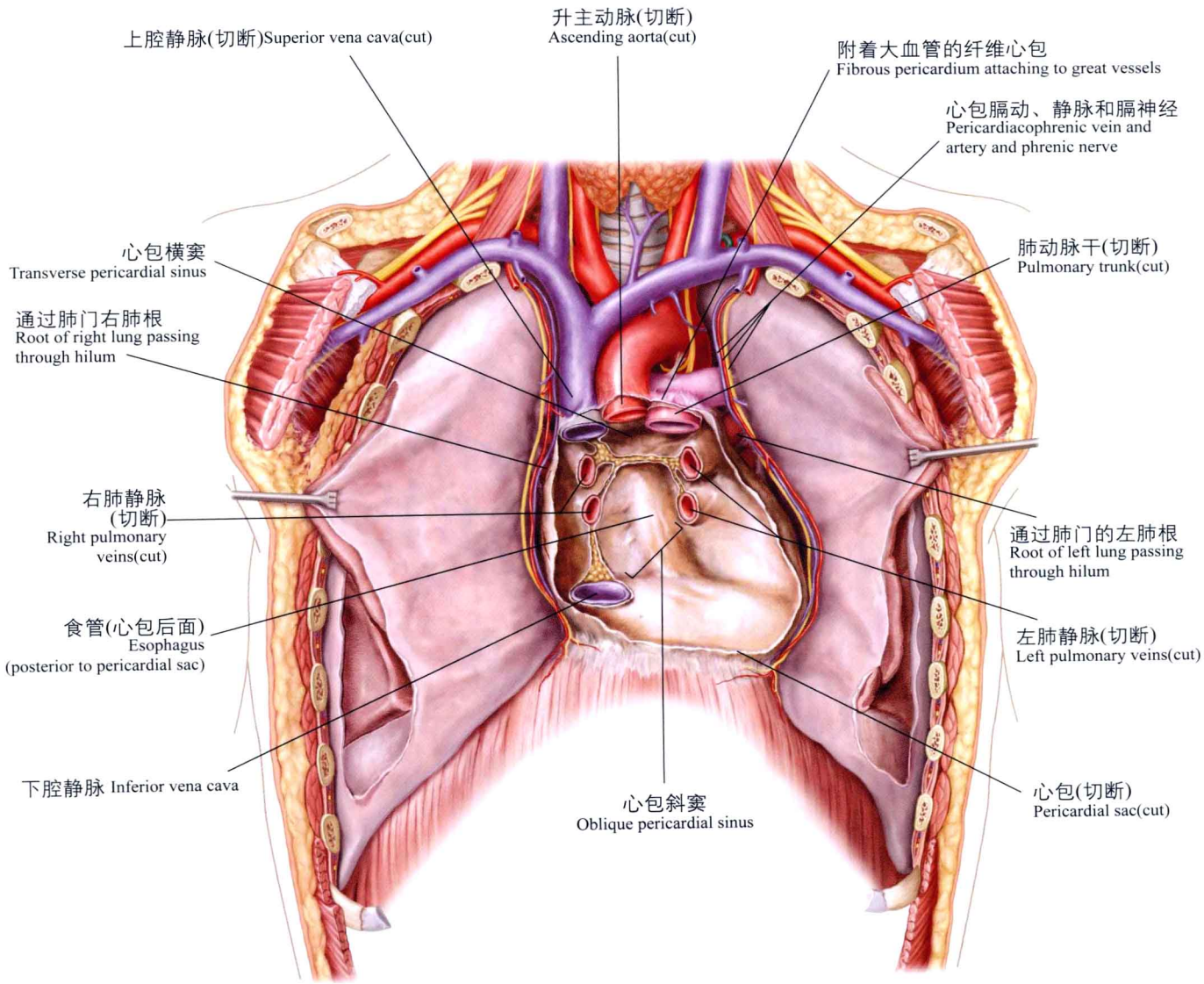

气管 Trachea
主动脉弓 Aortic arch
胸膜顶 Cupula
锁骨 Clavicle
肺尖 Apex of lung
第1肋 1st rib
肋纵隔胸膜返折
Costomediastinal pleural reflections
心脏右缘
Right border of heart
肋纵隔隐窝
Costomediastinal recesses
水平裂
Horizontal fissure
右肺斜裂
Oblique fissure of right lung
心脏左缘
Left border of heart
左侧乳头 Left nipple
右侧乳头
Right nipple
心尖切迹 Cardiac notch
右侧膈顶
Right dome of diaphragm
左肺斜裂
Oblique fissure of left lung
左侧膈顶
Left dome of diaphragm
右肺下缘
Inferior border of right lung
左肺下缘
Inferior border of left lung
胸膜腔肋膈隐窝(右)
Costodiaphragmatic recess of pleural cavity(right)
胸膜腔肋膈隐窝(左)
Costodiaphragmatic recess of pleural cavity (left)
肝脏 Liver
右侧肋膈胸膜返折线
Right costodiaphragmatic pleural reflection
剑突
Xiphoid process
心包裸区
Bare area of pericardium
左侧肋膈胸膜返折线
Left costodiaphragmatic pleural reflection


胸膜顶 Cupula
第1肋 1st rib
锁骨 Clavicle
左肺斜裂
Oblique fissure of left lung
右肺斜裂
Oblique fissure of right lung
水平裂 Horizontal fissure
右侧膈顶
Right dome of diaphragm
肋胸膜
Costal parietal pleura
左侧膈顶
Left dome of diaphragm
左肺下缘
Inferior border of left lung
右肺下缘
Inferior border of right lung
胸膜腔肋膈隐窝(左)
Costodiaphragmatic recess of pleural cavity(left)
胸膜腔肋膈隐窝(右)
Costodiaphragmatic recess of pleural cavity(right)
肝脏 Liver
脾脏 Spleen
左肾 Left kidney
右肋膈胸膜返折线
Right costodiaphragmatic pleural reflection
左肋膈胸膜返折线
Left costodiaphragmatic pleural reflection
左肾上腺
Left suprarenal gland
右肾 Right kidney
右肾上腺
Right suprarenal gland

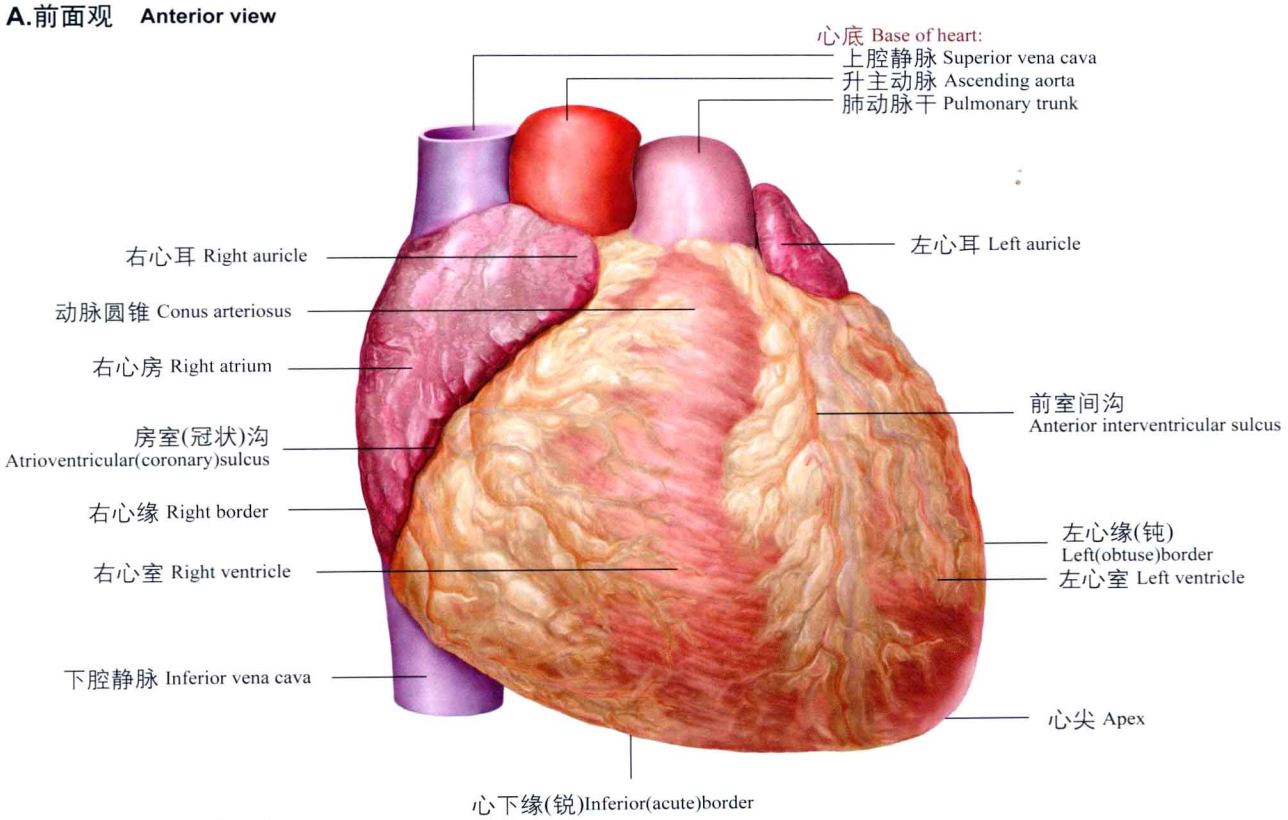

胸骨柄(切断)
Manubrium of sternum(cut)
颈总动脉和颈内静脉
Common carotid artery and internal jugular vein
胸腺脂肪(成人)Thymic fat (in adult)
甲状腺下静脉
Inferior thyroid vein
胸膜顶
Cupula
臂丛
Brachial plexus
锁骨下动、静脉
Subclavian vein and artery
锁骨 Clavicle
第1肋(切断)
1st rib (cut)
腋动、静脉
Axillary vein and artery
胸大肌(切断)
Pectoralis major muscle(cut)
喙突 Coracoid process
胸小肌(切断)
Pectoralis minor muscle(cut)
胸廓内动、静脉
Internal thoracic veins and artery
前锯肌(切断)
Serratus anterior muscle (cut)
肋间动脉前支(切断)
Anterior intercostal arteries(cut)
肋胸膜(打开)
Costal parietal pleura(opened)
前穿支(切断)
Anterior perforating branches(cut)
左肺分叶
Lobes of left lung:
上叶 Superior
下叶 Inferior
右肺分叶
Lobes of right lung:
上叶 Superior
中叶 Middle
下叶 Inferior
腹壁上动、静脉
Superior epigastric vein and artery
肋膈隐窝
Costodiaphragmatic recess
膈胸膜
Diaphragmatic parietal pleura
肋膈胸膜返折线
Costodiaphragmatic pleural reflection
肌膈动、静脉
Musculophrenic vein and artery
膈 Diaphragm
肋纵隔胸膜返折线
Costomediastinal pleural reflections
剑突
Xiphoid process
心包(裸区)Pericardial sac(bare area)


左颈总动脉、迷走神经和颈内静脉
Left common carotid artery, vagus nerve, and internal jugular vein
甲状腺下静脉
Inferior thyroid vein
右颈内静脉，迷走神经，颈总动脉
Right internal jugular vein, vagus nerve, and common carotid artery
胸腺脂肪(成人)
Thymic fat (in adult)
右头臂静脉 Right brachiocephalic vein
左头臂静脉 Left brachiocephalic vein
臂丛 Brachial plexus
左锁骨下动、静脉
Left subclavian vein and artery
右锁骨下动、静脉
Right subclavian artery and vein
腋动、静脉
Axillary artery and vein
第1肋(切断) 1st rib(cut)
膈神经 Phrenic nerve
心包膈动、静脉
Pericardiacophrenic artery and vein
胸廓内动、静脉(切断)
Internal thoracic vein and artery (cut)
左肺 Left lung
右肺 Right lung
心包 Pericardial sac
肌膈动、静脉
Musculophrenic artery and vein
胸膜壁层 Parietal pleura:
肋胸膜 Costal
纵隔胸膜 Mediastinal
膈胸膜 Diaphragmatic
膈 Diaphragm

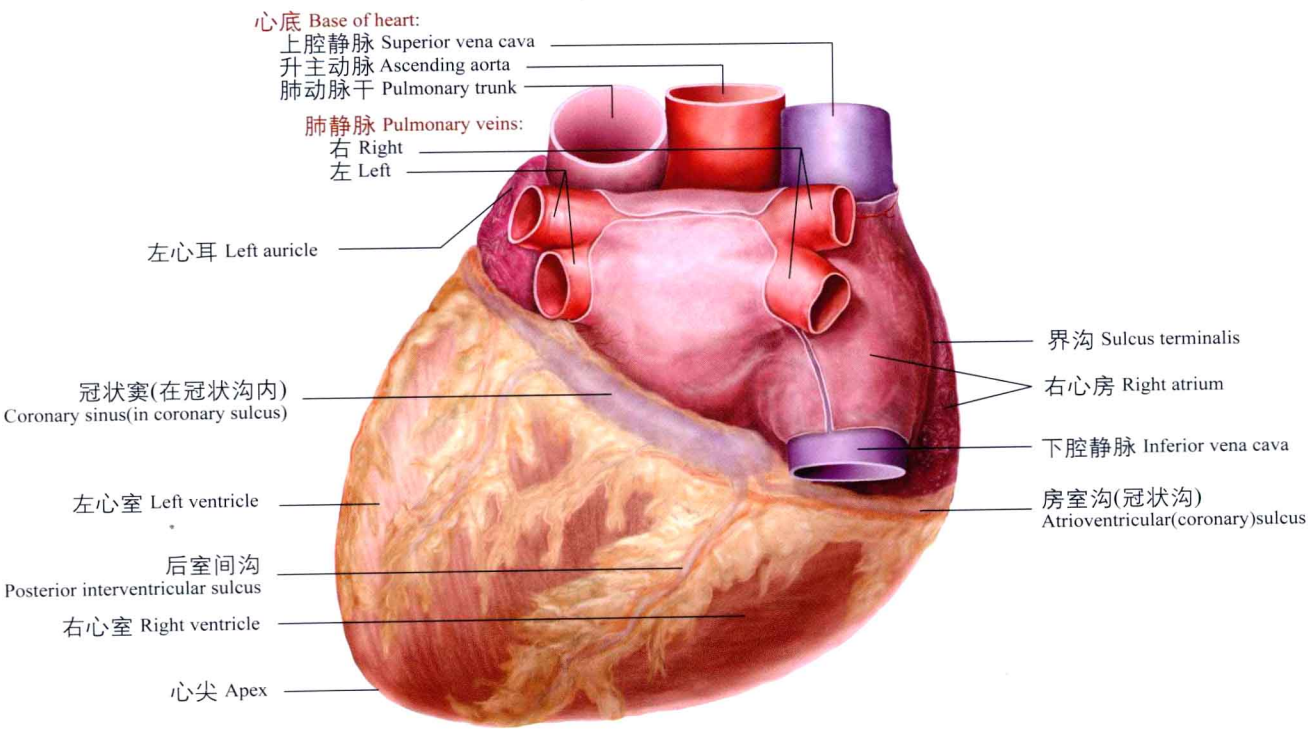

甲状腺 Thyroid gland
右迷走神经 Right vagus nerve
甲状腺下静脉 Inferior thyroid vein
左头臂静脉 Left brachiocephalic vein
颈内静脉 Internal jugular vein
主动脉弓 Aortic arch
胸腺静脉 Thymic vein
膈神经 Phrenic nerve
前斜角肌 Anterior scalene muscle
左肋间上静脉 Left superior intercostal vein
右喉返神经 Right recurrent laryngeal nerve
第1肋(切断) 1st rib(cut)
右头臂静脉 Right brachiocephalic vein
锁骨下动、静脉 Subclavian artery and vein
腋动、静脉 Axillary artery and vein
胸廓内动、静脉(切断) Internal thoracic artery and vein(cut)
迷走神经 Vagus nerve
心包膈动、静脉 Pericardiacophrenic artery and vein
左喉返神经 Left recurrent laryngeal nerve
膈神经 Phrenic nerve
动脉韧带 Ligamentum arteriosum
上腔静脉 Superior vena cava
升主动脉 Ascending aorta
肺动脉干 Pulmonary trunk
右心耳 Right auricle
左心耳 Left auricle
左心室 Left ventricle
右心房 Right atrium
左肺 Left lung
胸膜壁层 Parietal pleura:
肋胸膜 Costal
纵隔胸膜 Mediastinal
膈胸膜 Diaphragmatic
含有脂肪和血管的前室间沟 Anterior interventricular sulcus containing fat and blood vessels
右心室 Right ventricle
心包(切断) Pericardial sac (cut)
心尖 Apex of heart
含有脂肪和血管的房室(冠状)沟 Atrioventricular (coronary) sulcus containing fat and blood vessels
膈 Diaphragm
胸膜返折 Pleural reflection


上腔静脉(切断)Superior vena cava(cut)
升主动脉(切断)
Ascending aorta(cut)
附着大血管的纤维心包
Fibrous pericardium attaching to great vessels
心包膈动、静脉和膈神经
Pericardiacophrenic vein and artery and phrenic nerve
心包横窦
Transverse pericardial sinus
肺动脉干(切断)
Pulmonary trunk(cut)
通过肺门右肺根
Root of right lung passing through hilum
右肺静脉(切断)
Right pulmonary veins(cut)
通过肺门的左肺根
Root of left lung passing through hilum
食管(心包后面)
Esophagus (posterior to pericardial sac)
左肺静脉(切断)
Left pulmonary veins(cut)
下腔静脉 Inferior vena cava
心包斜窦
Oblique pericardial sinus
心包(切断)
Pericardial sac(cut)

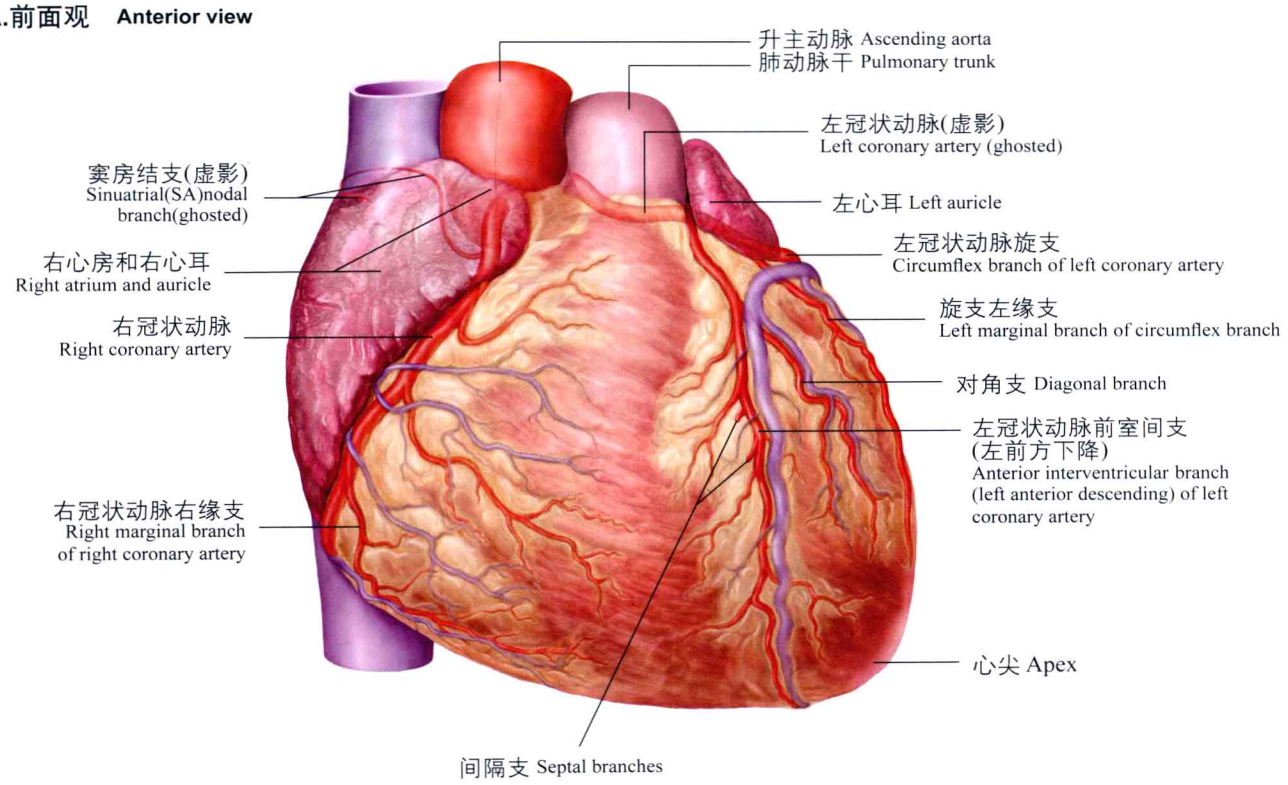
A.前面观 Anterior view



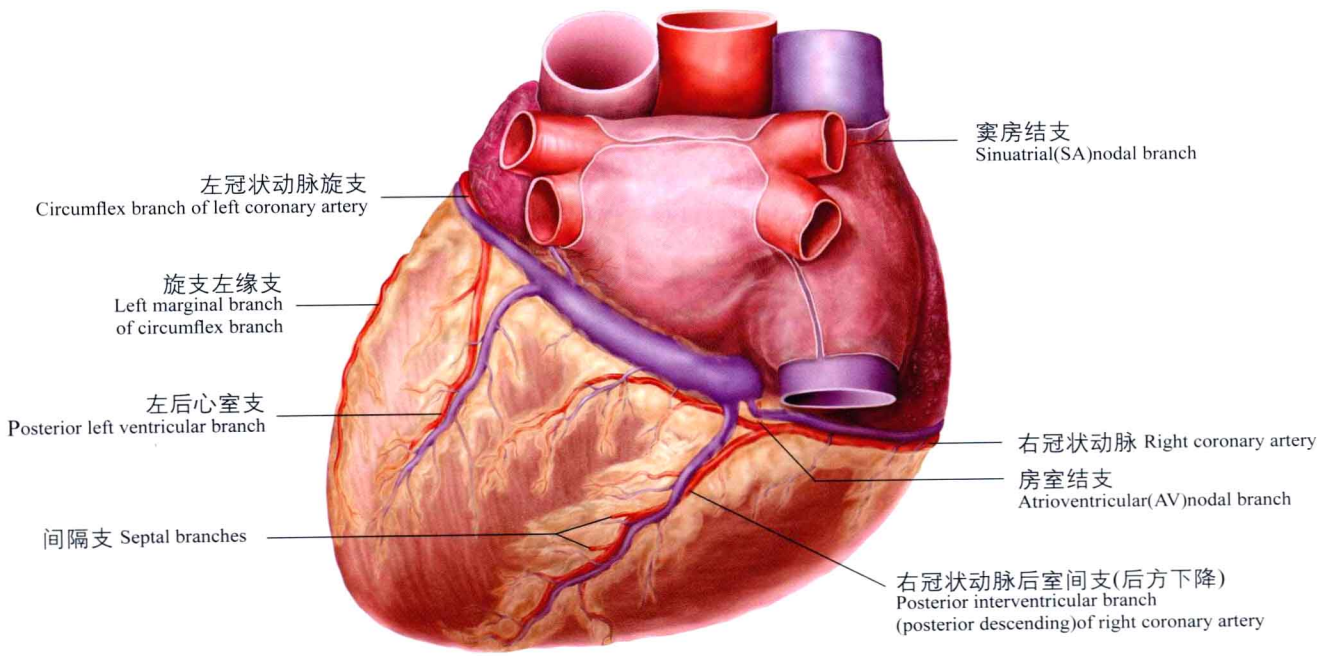
B.后下面观(膈肌表面)
Posteroinferior view(diaphragmatic surface)



A.前面观 Anterior view



B.后下面观 Posteroinferior view



A.正常分支，前面观 Normal arterial pattern, anterior view

窦房结支(虚影)
Sinuatrial(SA)nodal branch(ghosted)
升主动脉 Ascending aorta
肺动脉干 Pulmonary trunk
左冠状动脉(虚影)
Left coronary artery(ghosted)
窦房结的位置
Site of SA node
左冠状动脉回旋支
Circumflex branch of left coronary artery
右冠状动脉
Right coronary artery
左冠状动脉前室间支(左前方下降)
Anterior interventricular branch (left anterior descending) of left coronary artery
对角支
Diagon branch
旋支左缘支
Left marginal branch of circumflex branch
心尖 Apex
右冠状动脉右缘支
Right marginal branch of right coronary artery

B.变异，前面观 Variation, anterior view

窦房结支起于旋支(40%，虚影)
Sinuatrial(SA)nodal branch from circumflex branch(40%,ghosted)
窦房结的位置
Site of SA node

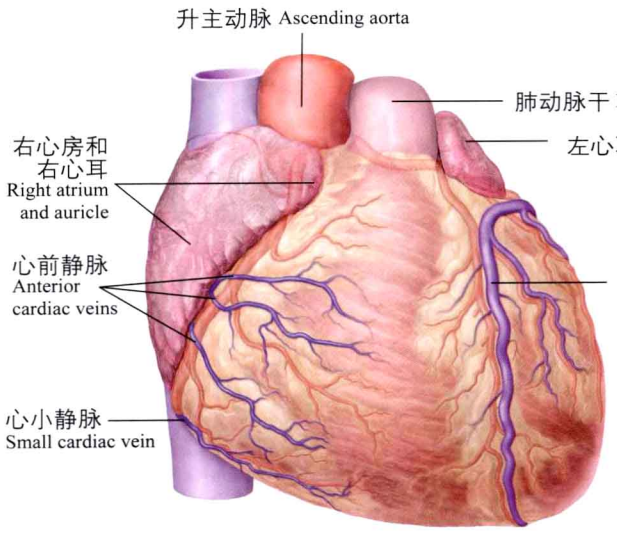
C.正常动脉分支，后下面观 Normal arterial pattern, posteroinferior view

左冠状动脉(虚影)
Left coronary artery(ghosted)
左冠状动脉回旋支
Circumflex branch of left coronary artery
窦房结支
Sinuatrial (SA) nodal branch
右肺静脉
Right pulmonary veins
左后心室支
Posterior left ventricular branch
右冠状动脉(虚影)
Right coronary artery(ghosted)
房室结的位置
Site of AV node
房室结支(虚影)
Atrioventricular(AV) nodal branch(ghosted)
房室交叉 Crux of heart
右冠状动脉后室间支(后方下降)
Posterior interventricular branch (posterior descending) of right coronary artery

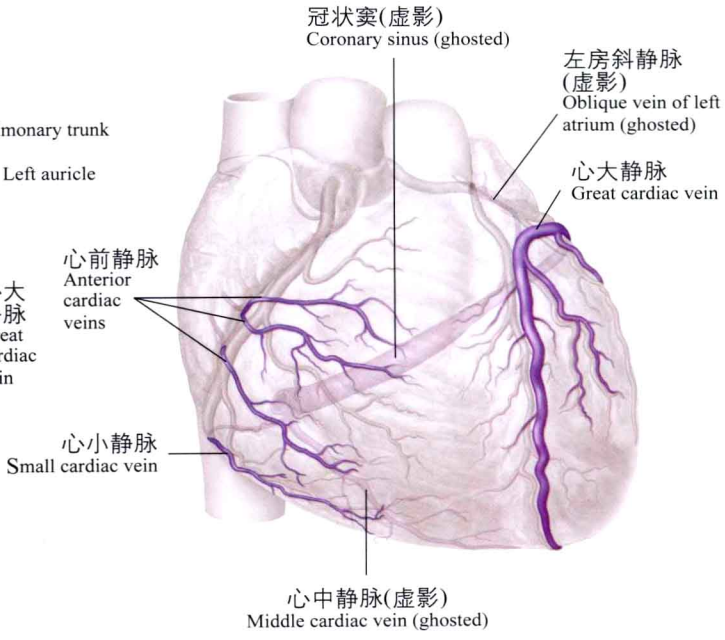
D.变异，后下面观 Variation, posteroinferior view

左冠状动脉回旋支
Circumflex branch of left coronary artery
右冠状动脉
Right coronary artery
房室结支(虚影)
Atrioventricular(AV) nodal branch(ghosted)
后室间支起于旋支(左侧优势，15%)
Posterior interventricular branch from circumflex branch (left dominance,15%)

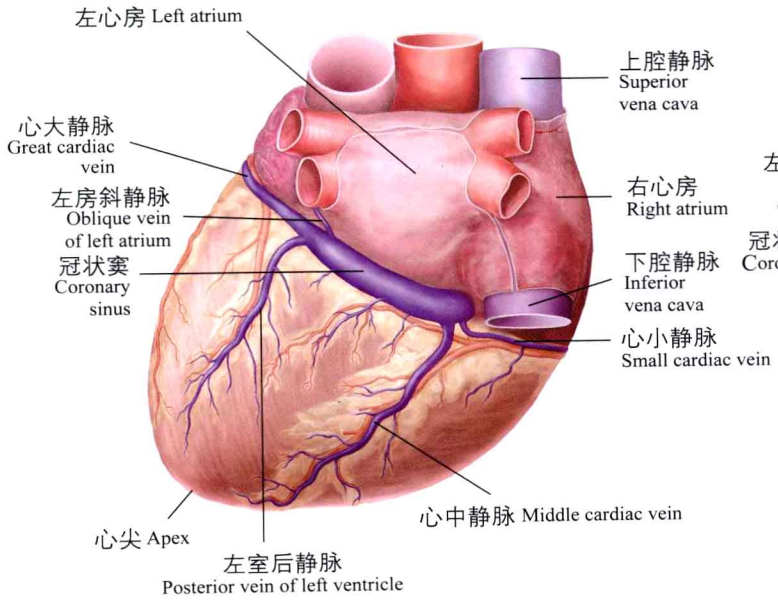
A.前面观 Anterior view



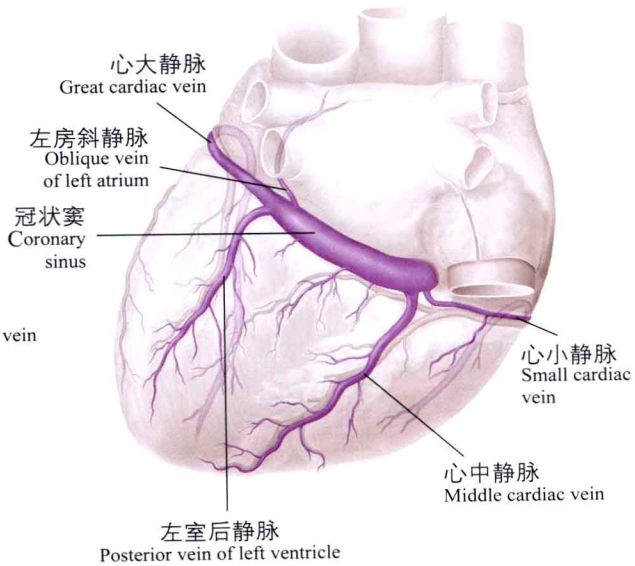
B.正常静脉分支，前面观 Normal venous pattern, anterior view



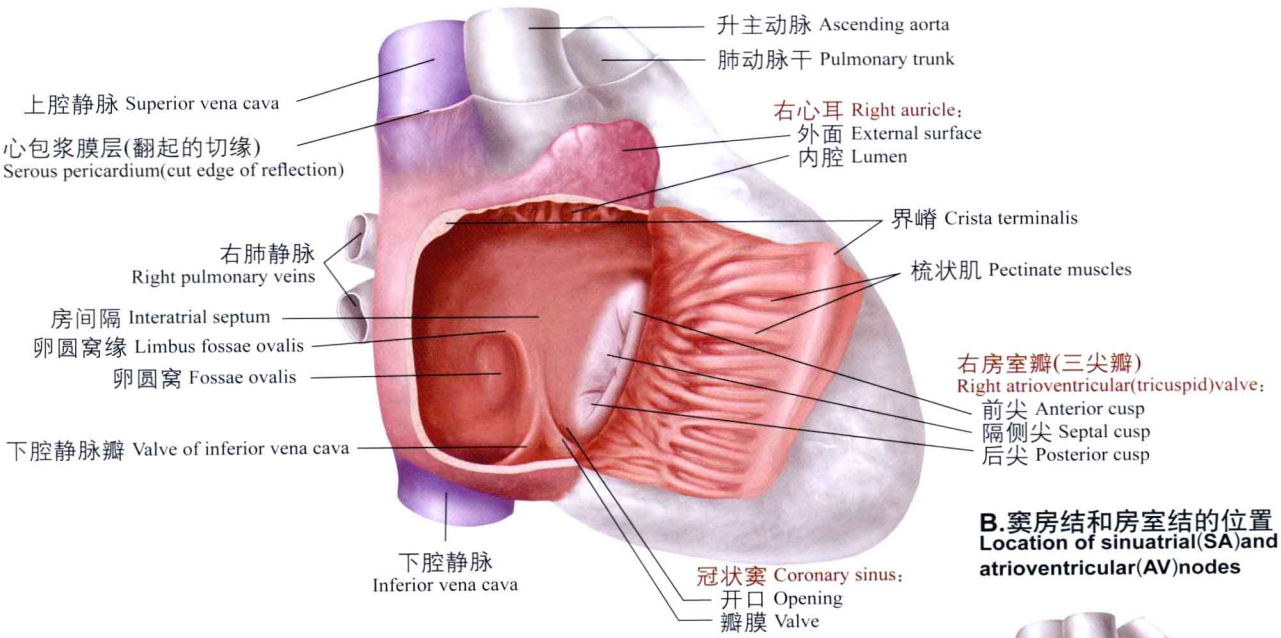
C.后下面观 Posteroinferior view



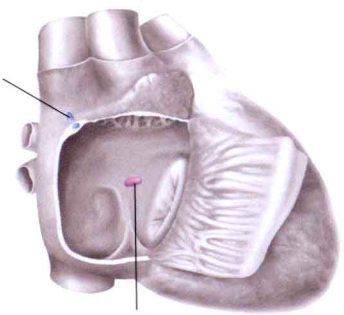
D.正常静脉分支，后下面观 Normal venous pattern, posteroinferior view



A.打开的右心房 Right atrium, opened

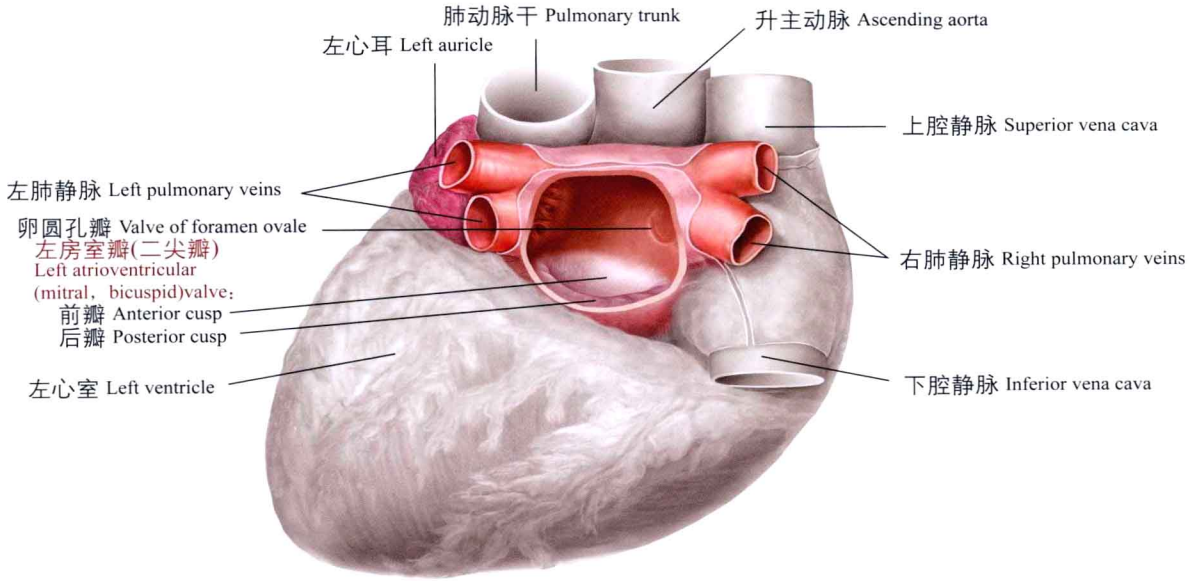


B.窦房结和房室结的位置 Location of sinuatrial(SA)and atrioventricular(AV)nodes

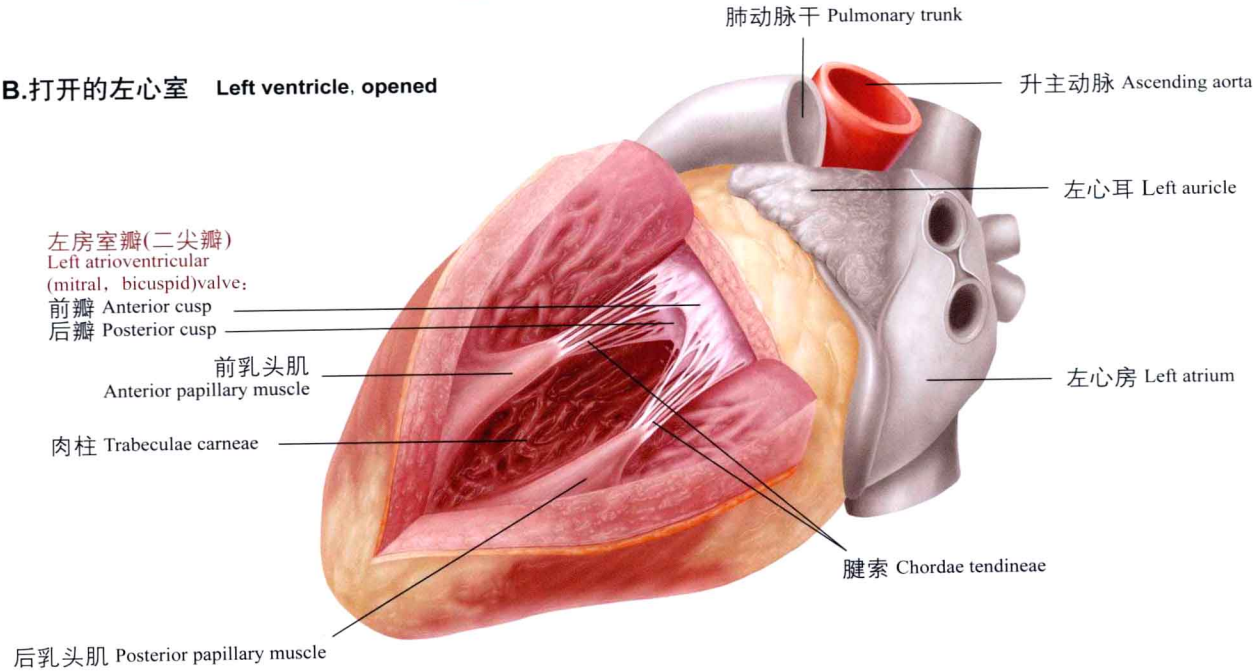


C.打开的右心室 Right ventricle, opened

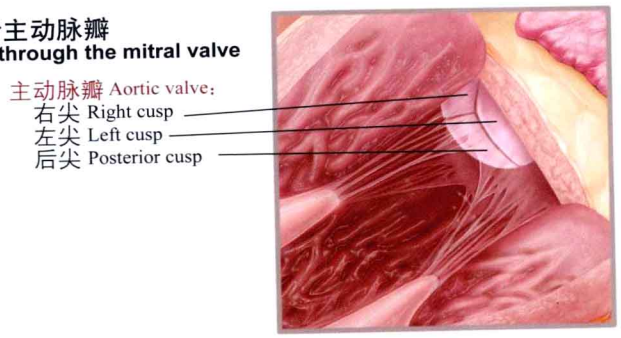
A.打开的左心房 Left atrium, opened



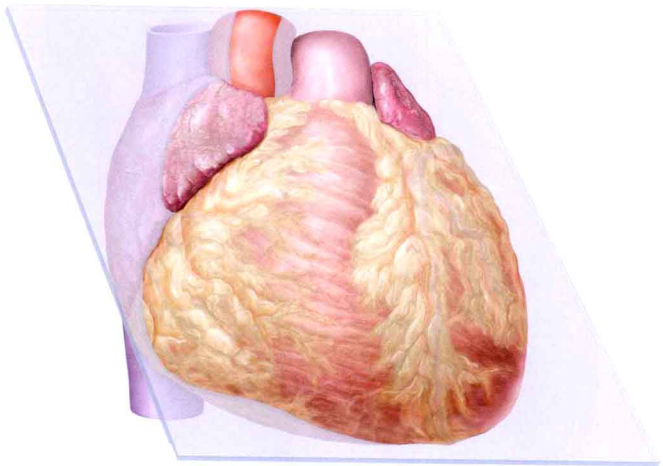
B.打开的左心室 Left ventricle, opened



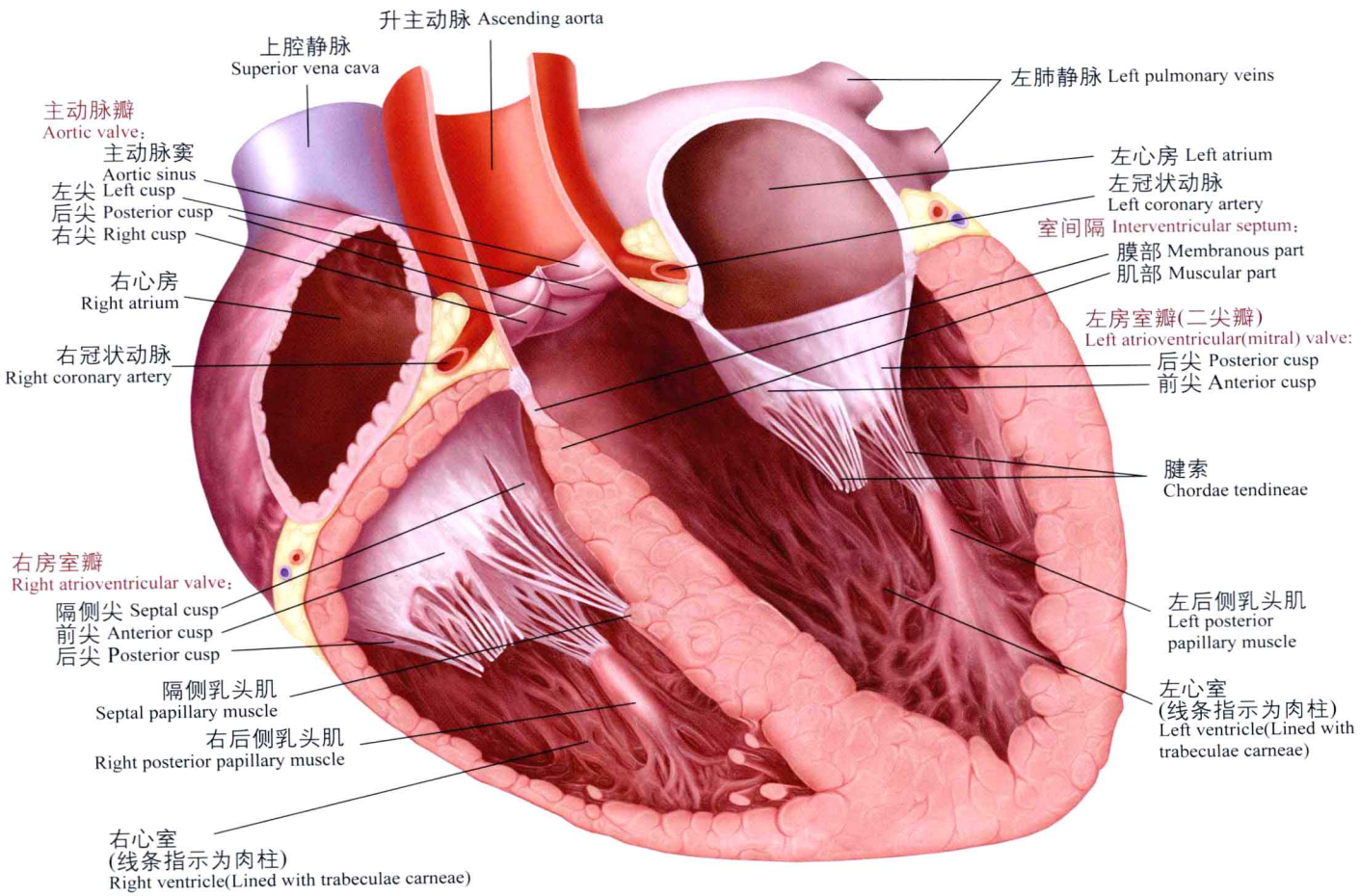
C.通过二尖瓣看主动脉瓣 Aortic valve seen through the mitral valve



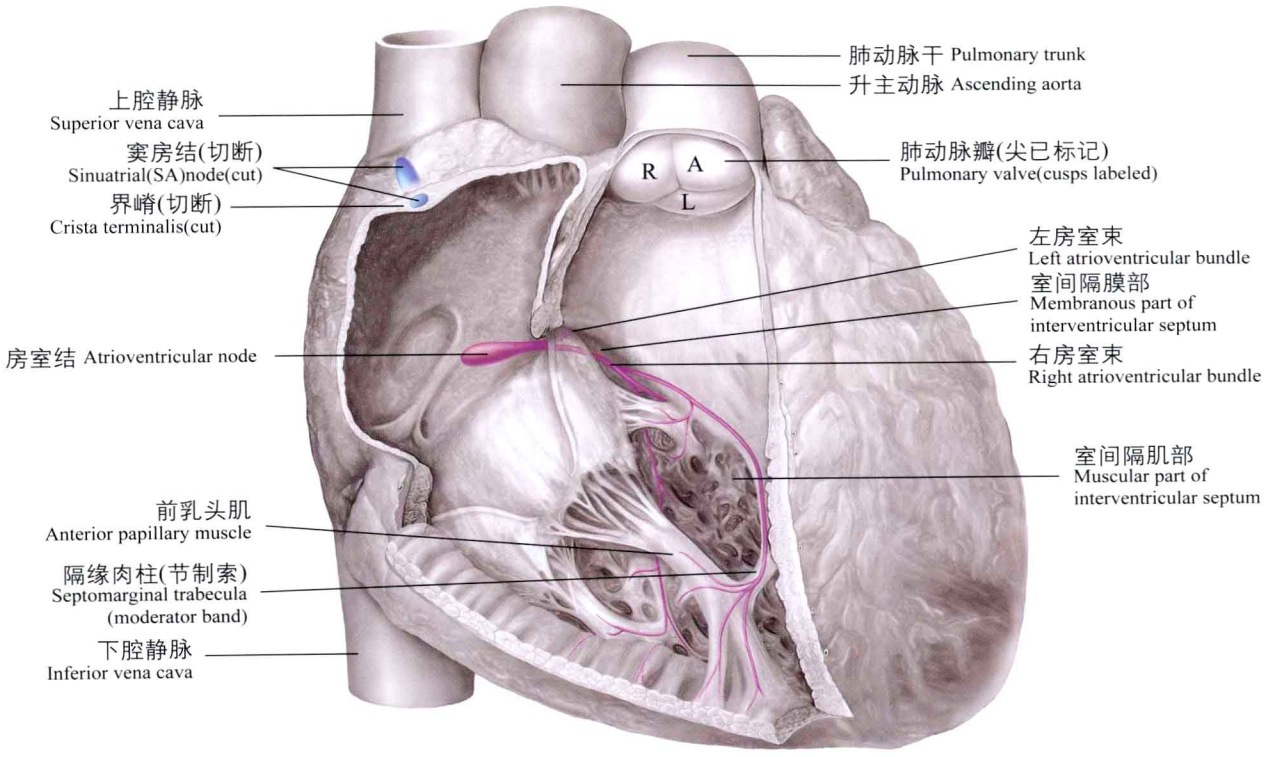
A.断面的平面 Plane of section



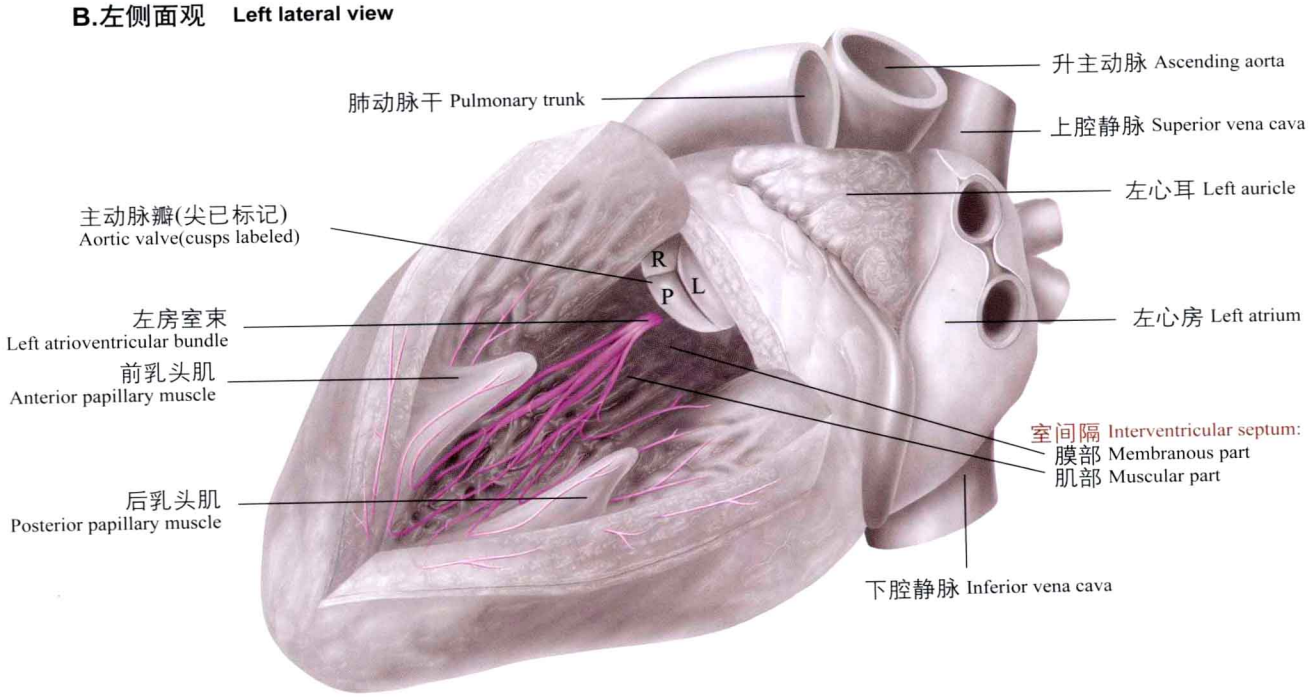
B.心脏切面显示后下方的部分
Section through the heart showing the posteroinferior portion

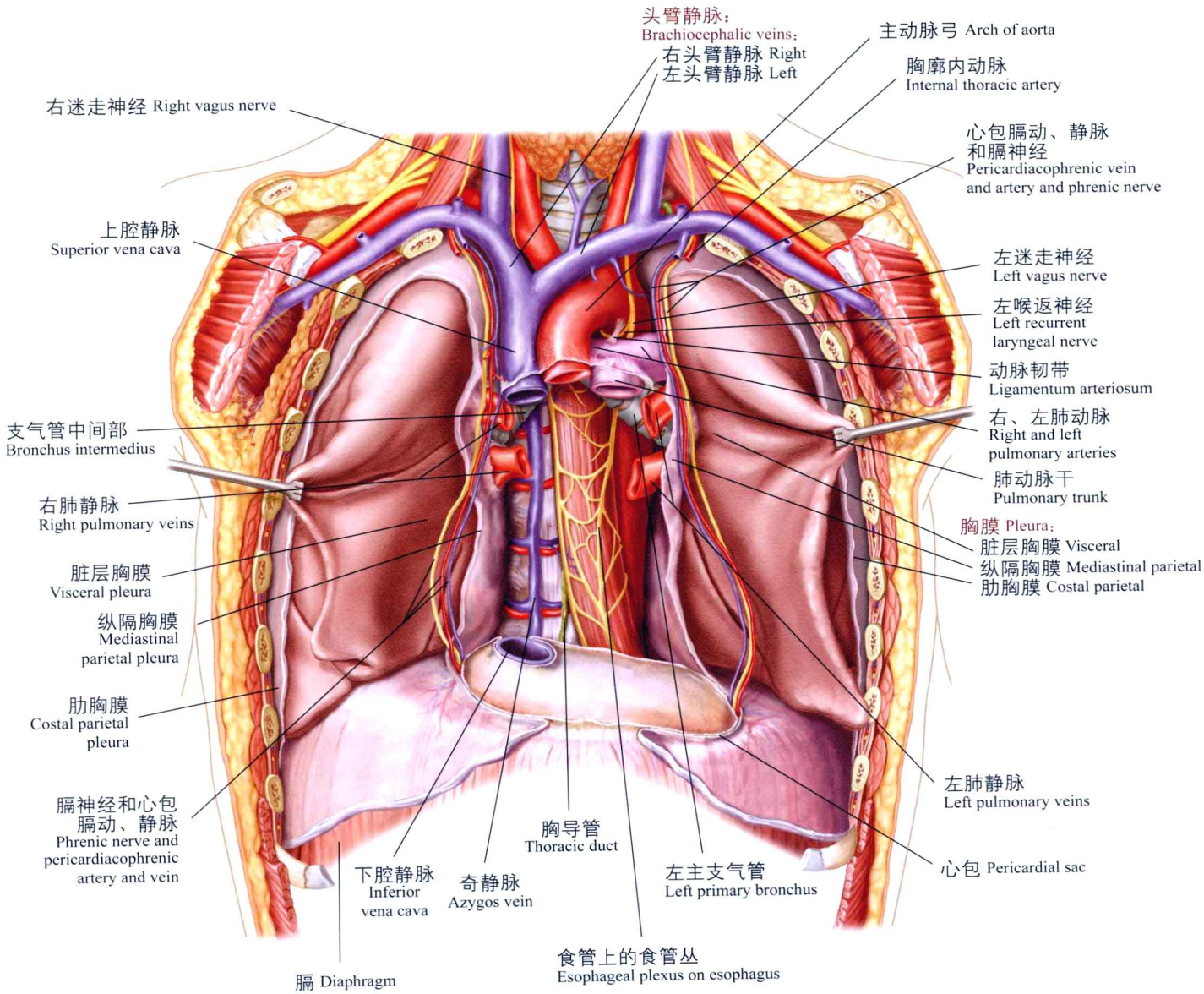


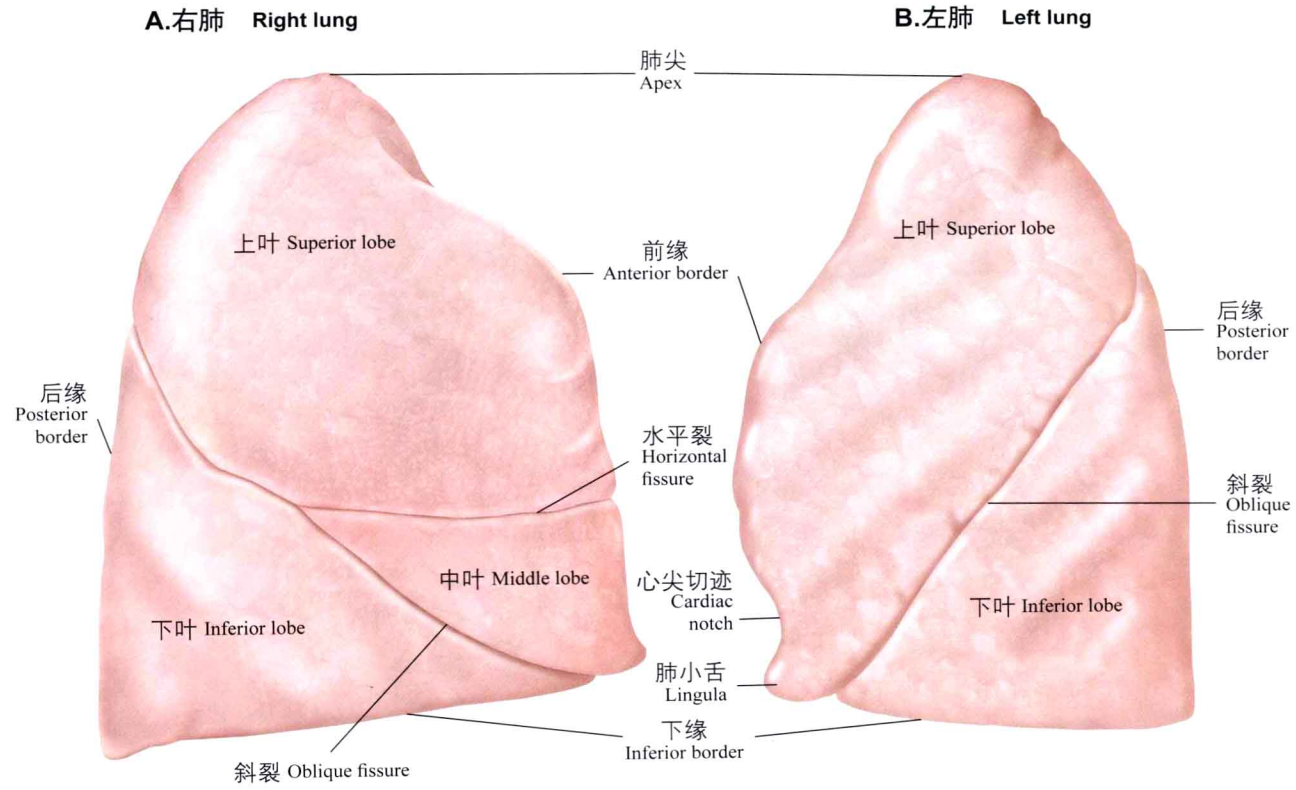
A.前面观 Anterior view



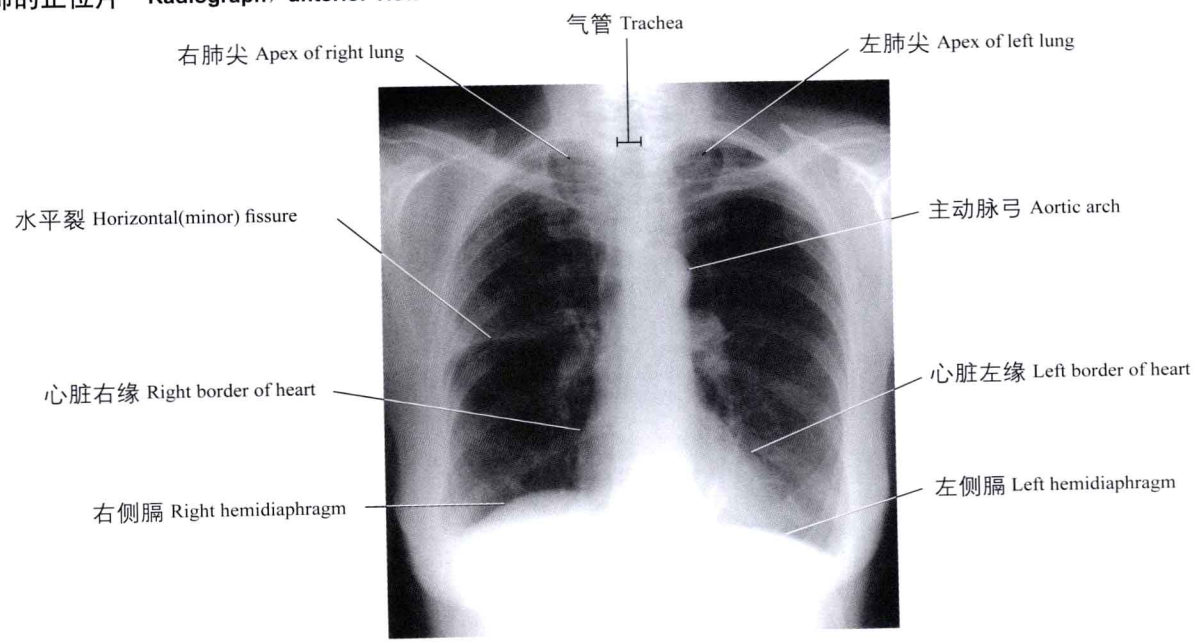
B.左侧面观 Left lateral view



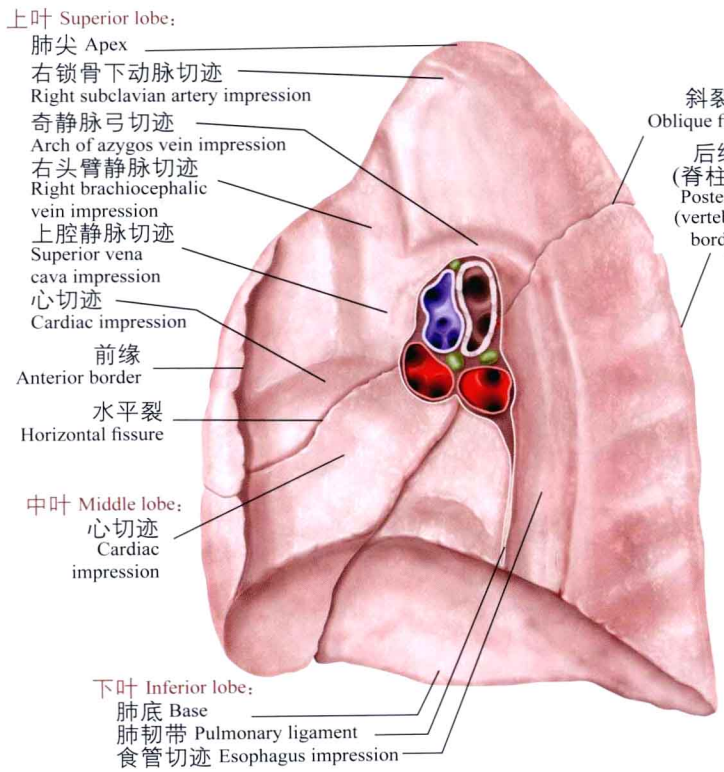

头臂静脉：
Brachiocephalic veins：
右头臂静脉 Right
左头臂静脉 Left
主动脉弓 Arch of aorta
胸廓内动脉
Internal thoracic artery
右迷走神经 Right vagus nerve
心包膈动、静脉和膈神经
Pericardiacophrenic vein and artery and phrenic nerve
上腔静脉
Superior vena cava
左迷走神经
Left vagus nerve
左喉返神经
Left recurrent laryngeal nerve
动脉韧带
Ligamentum arteriosum
支气管中间部
Bronchus intermedius
右、左肺动脉
Right and left pulmonary arteries
肺动脉干
Pulmonary trunk
右肺静脉
Right pulmonary veins
胸膜 Pleura：
脏层胸膜 Visceral
纵隔胸膜 Mediastinal parietal
肋胸膜 Costal parietal
脏层胸膜
Visceral pleura
纵隔胸膜
Mediastinal parietal pleura
肋胸膜
Costal parietal pleura
膈神经和心包膈动、静脉
Phrenic nerve and pericardiacophrenic artery and vein
左肺静脉
Left pulmonary veins
胸导管
Thoracic duct
心包 Pericardial sac
下腔静脉
Inferior vena cava
奇静脉
Azygos vein
左主支气管
Left primary bronchus
膈 Diaphragm
食管上的食管丛
Esophageal plexus on esophagus



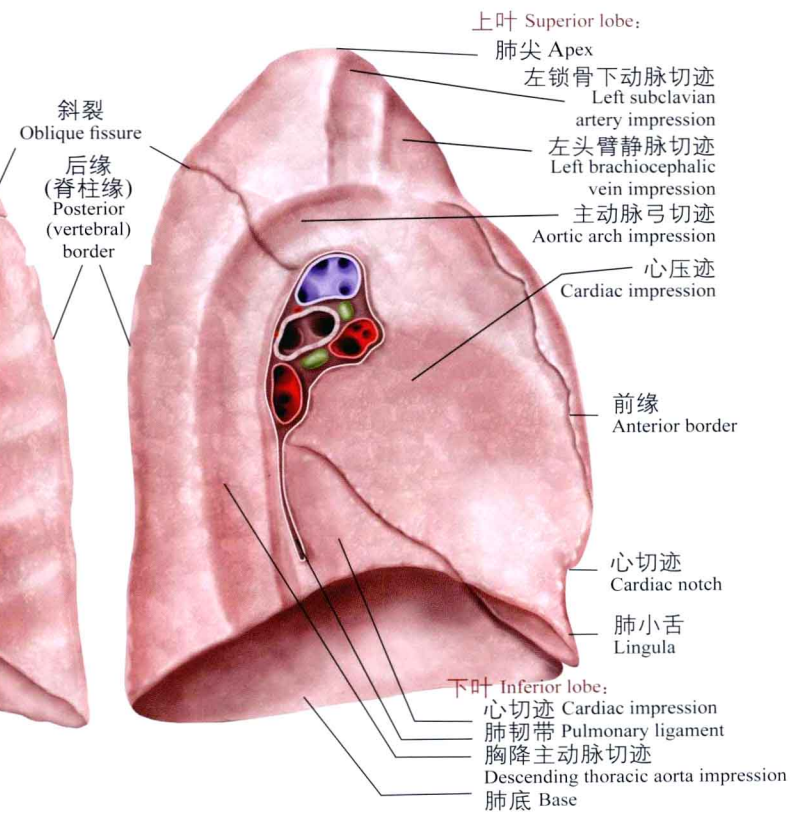
C.肺的正位片 Radiograph, anterior view



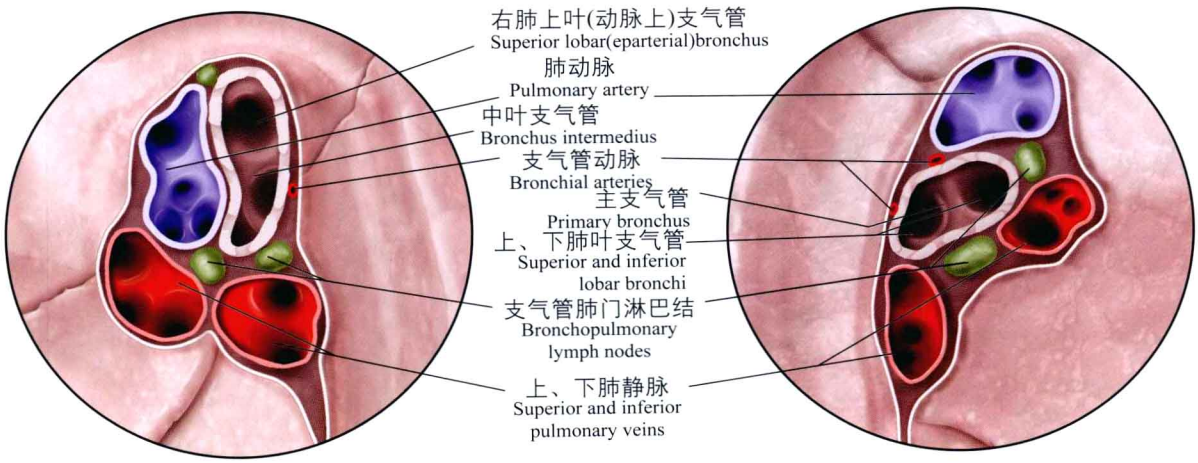
A.右肺 Right lung



B.左肺 Left lung



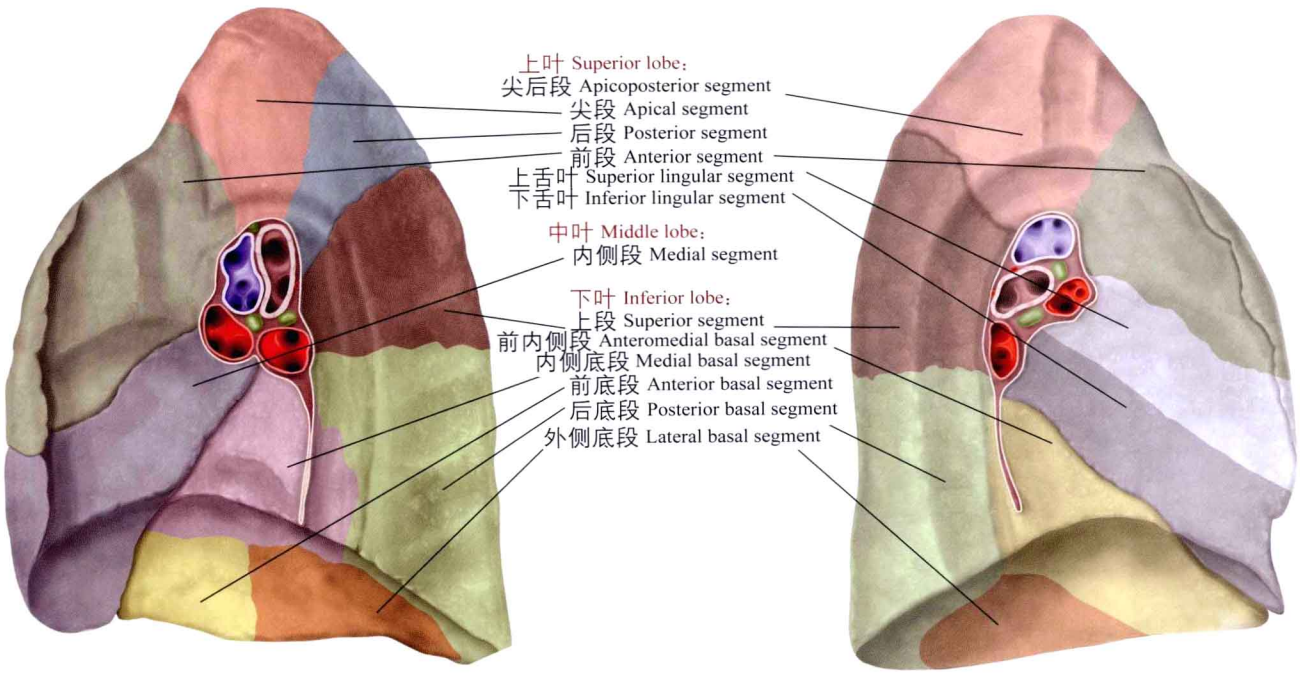
C.右肺门的结构 Structures in right hilum



D.左肺门的结构 Structures in left hilum

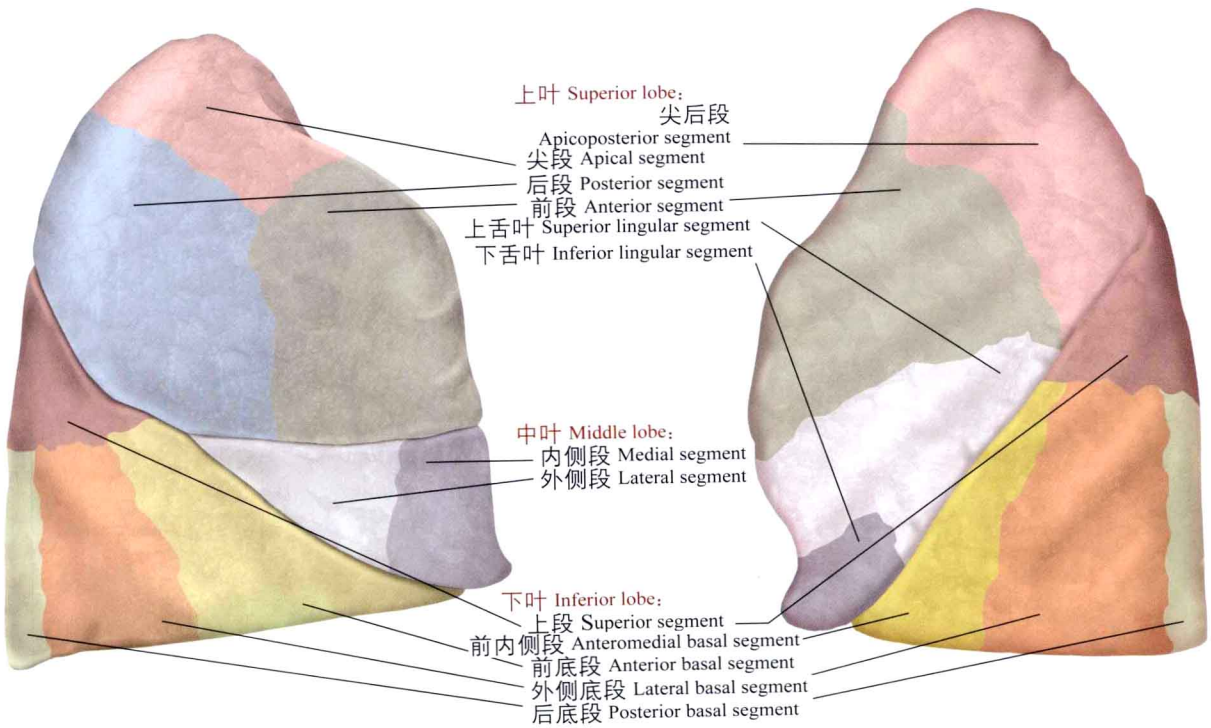
A.右肺，内侧面观 Right lung，medial view

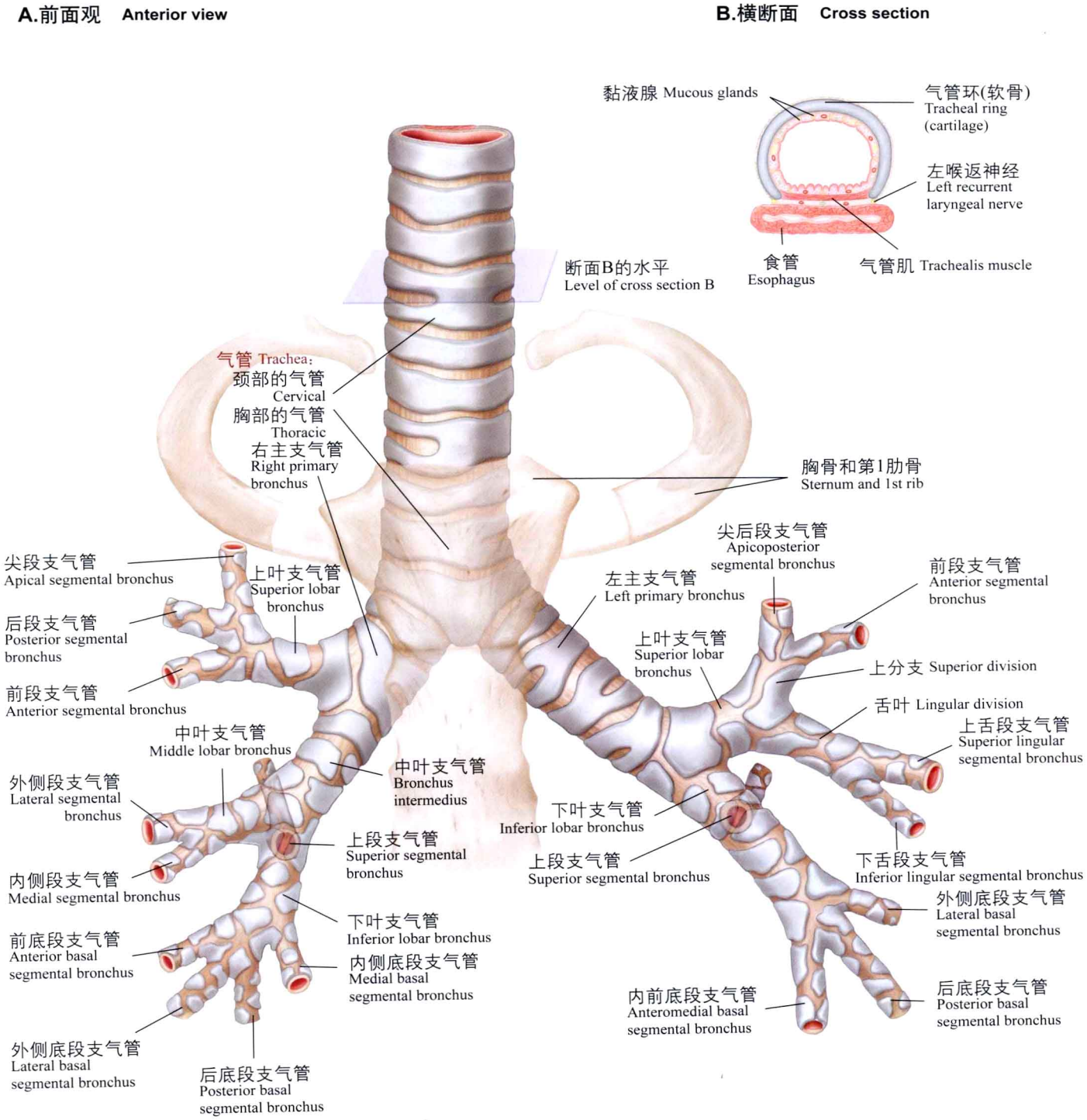
B.左肺，内侧面观 Left lung，medial view



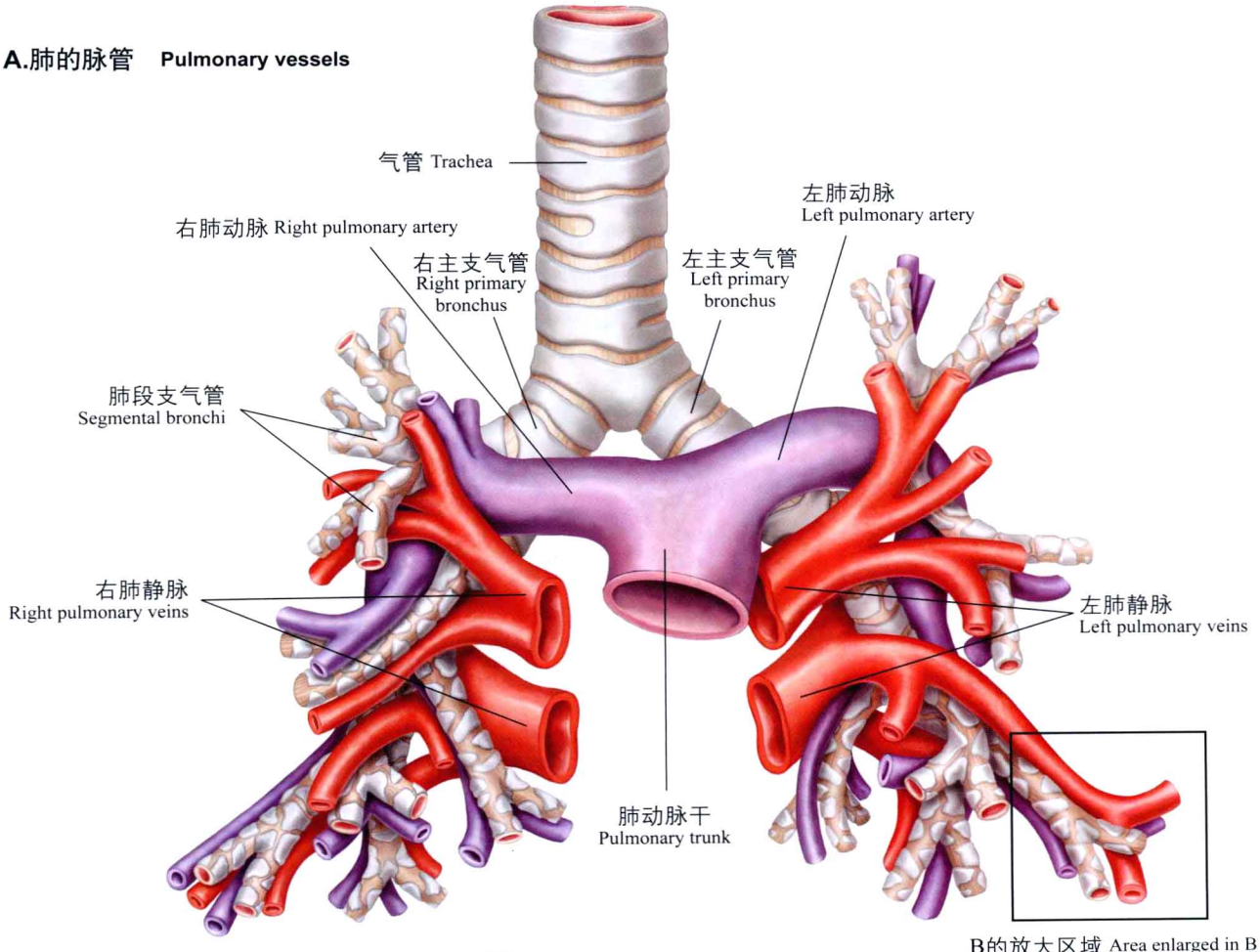
C.右肺，外侧面观 Right lung，lateral view

D.左肺，外侧面观 Left lung，lateral view

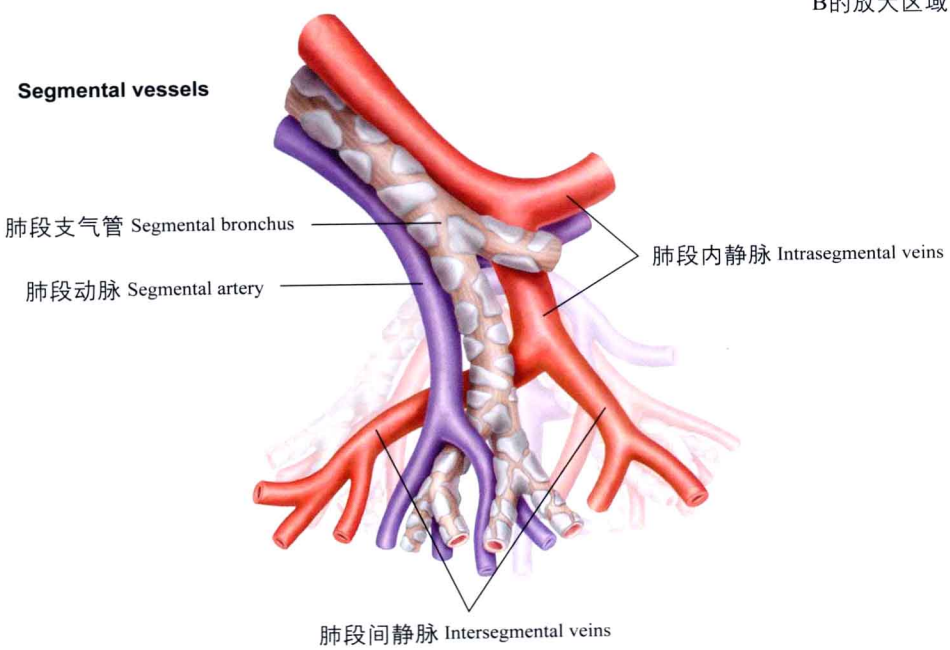



A.前面观 Anterior view
B.横断面 Cross section
黏液腺 Mucous glands
气管环(软骨)
Tracheal ring
(cartilage)
左喉返神经
Left recurrent
laryngeal nerve
食管
Esophagus
气管肌 Trachealis muscle
断面B的水平
Level of cross section B
气管 Trachea:
颈部的气管
Cervical
胸部的气管
Thoracic
右主支气管
Right primary
bronchus
胸骨和第1肋骨
Sternum and 1st rib
尖段支气管
Apical segmental bronchus
上叶支气管
Superior lobar
bronchus
后段支气管
Posterior segmental
bronchus
前段支气管
Anterior segmental bronchus
中叶支气管
Middle lobar bronchus
外侧段支气管
Lateral segmental
bronchus
内侧段支气管
Medial segmental bronchus
前底段支气管
Anterior basal
segmental bronchus
外侧底段支气管
Lateral basal
segmental bronchus
后底段支气管
Posterior basal
segmental bronchus
中叶支气管
Bronchus
intermedius
上段支气管
Superior segmental
bronchus
下叶支气管
Inferior lobar bronchus
内侧底段支气管
Medial basal
segmental bronchus
尖后段支气管
Apicoposterior
segmental bronchus
左主支气管
Left primary bronchus
上叶支气管
Superior lobar
bronchus
前段支气管
Anterior segmental
bronchus
上分支 Superior division
舌叶 Lingular division
上舌段支气管
Superior lingular
segmental bronchus
下叶支气管
Inferior lobar bronchus
上段支气管
Superior segmental bronchus
下舌段支气管
Inferior lingular segmental bronchus
外侧底段支气管
Lateral basal
segmental bronchus
内前底段支气管
Anteromedial basal
segmental bronchus
后底段支气管
Posterior basal
segmental bronchus

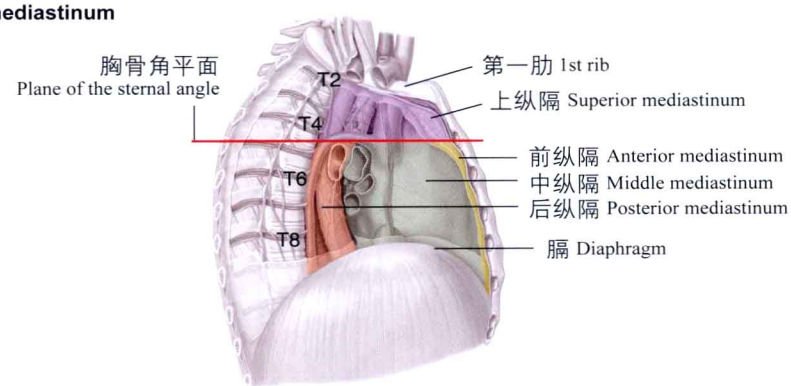
A.肺的脉管 Pulmonary vessels



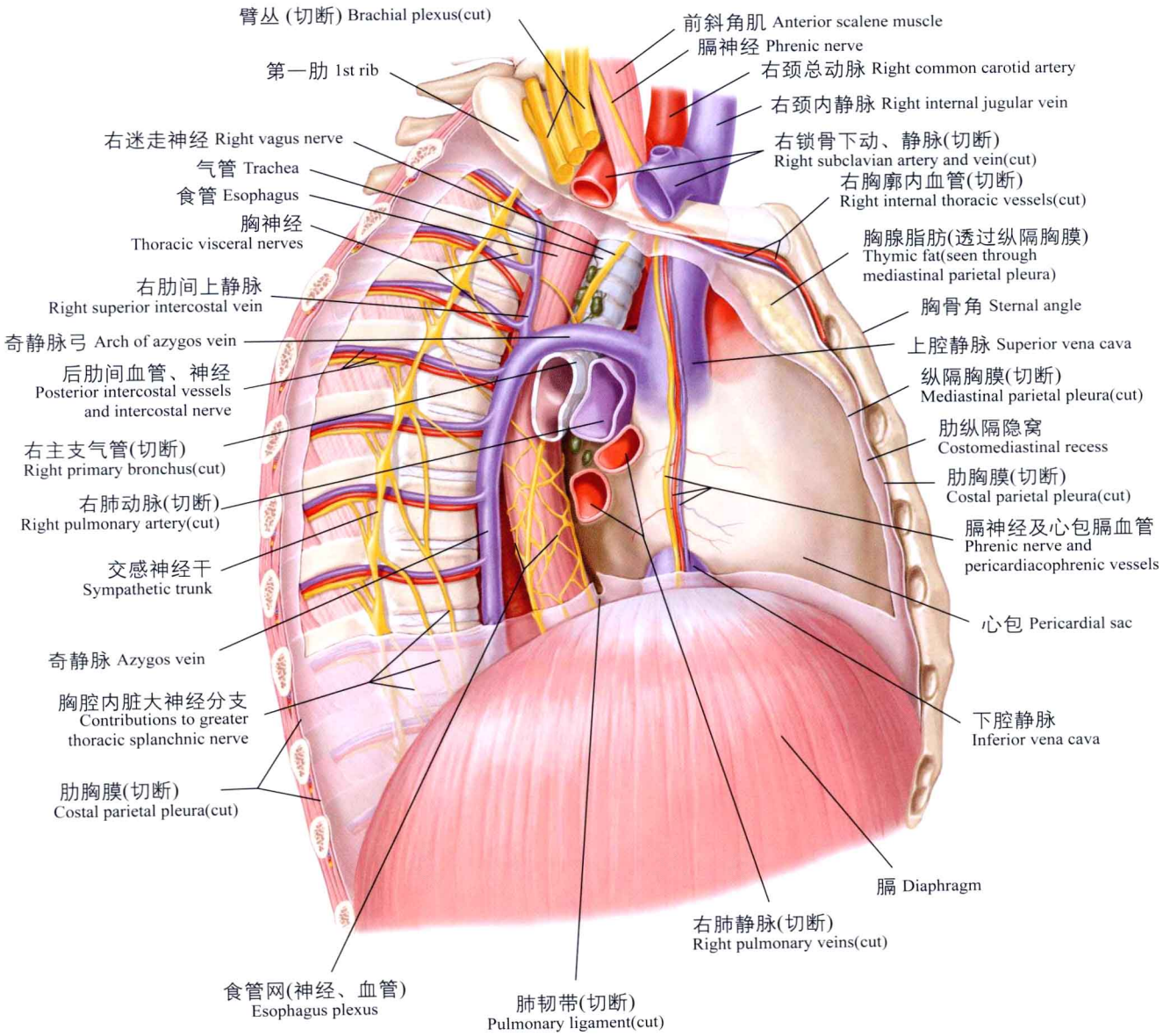
B.肺段的脉管 Segmental vessels



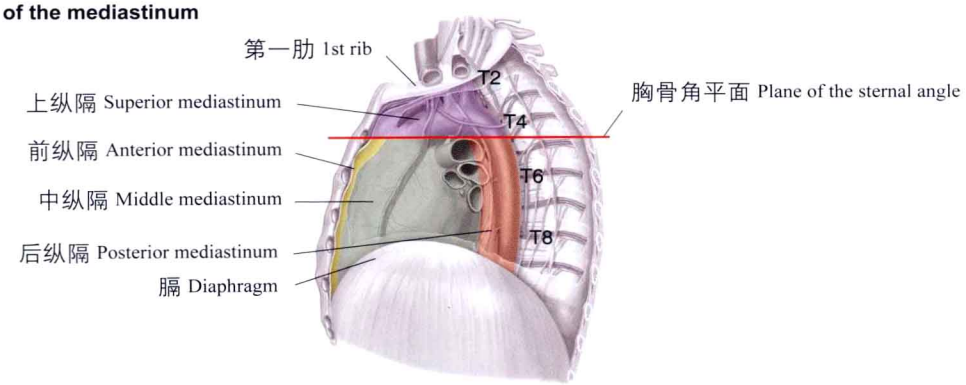
A.纵隔分部 Part of the mediastinum



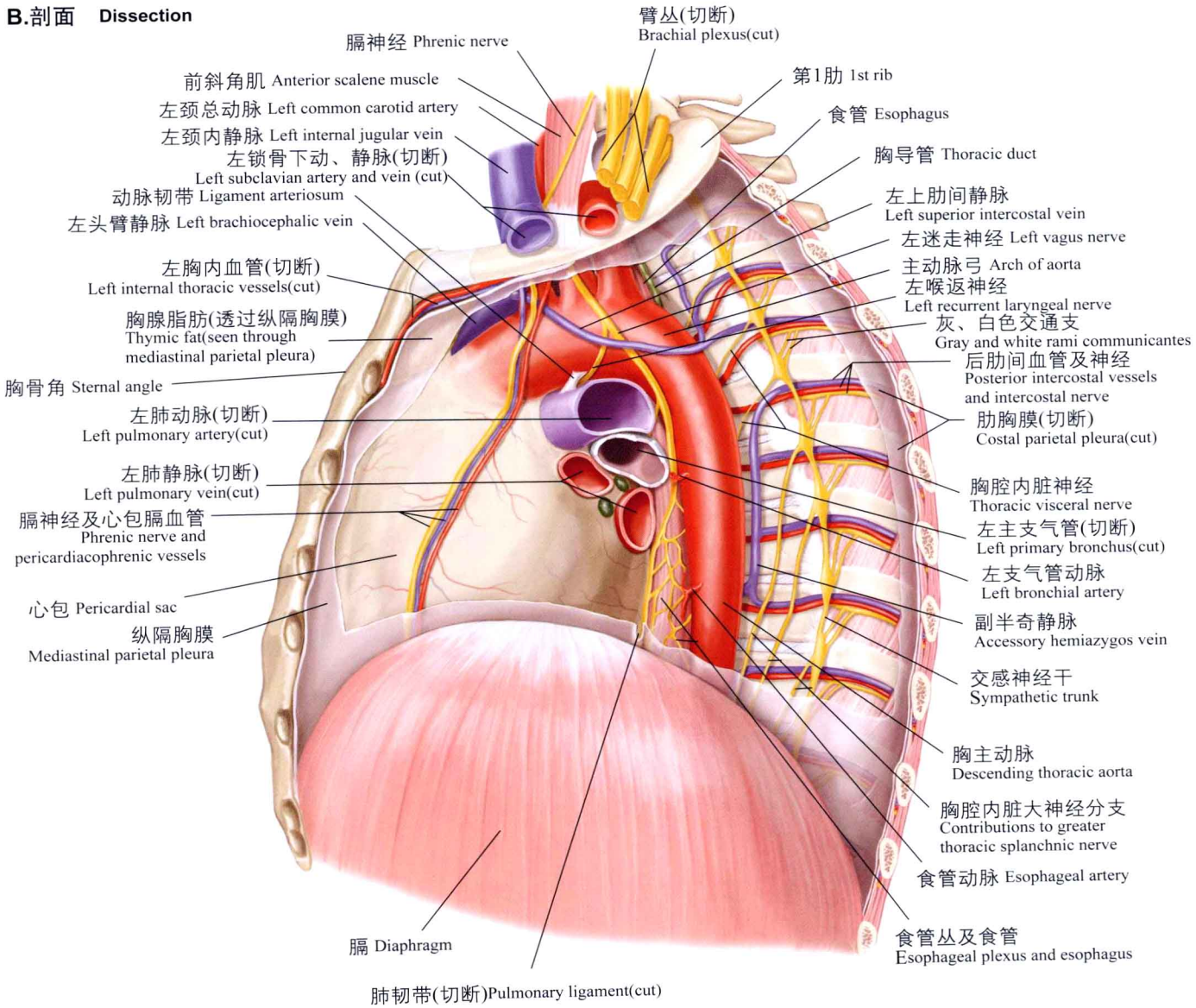
B.解剖 Dissection



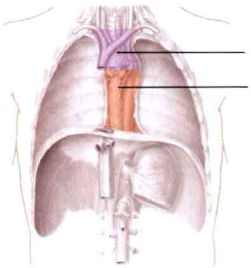
A.纵隔分部 Parts of the mediastinum



B.剖面 Dissection

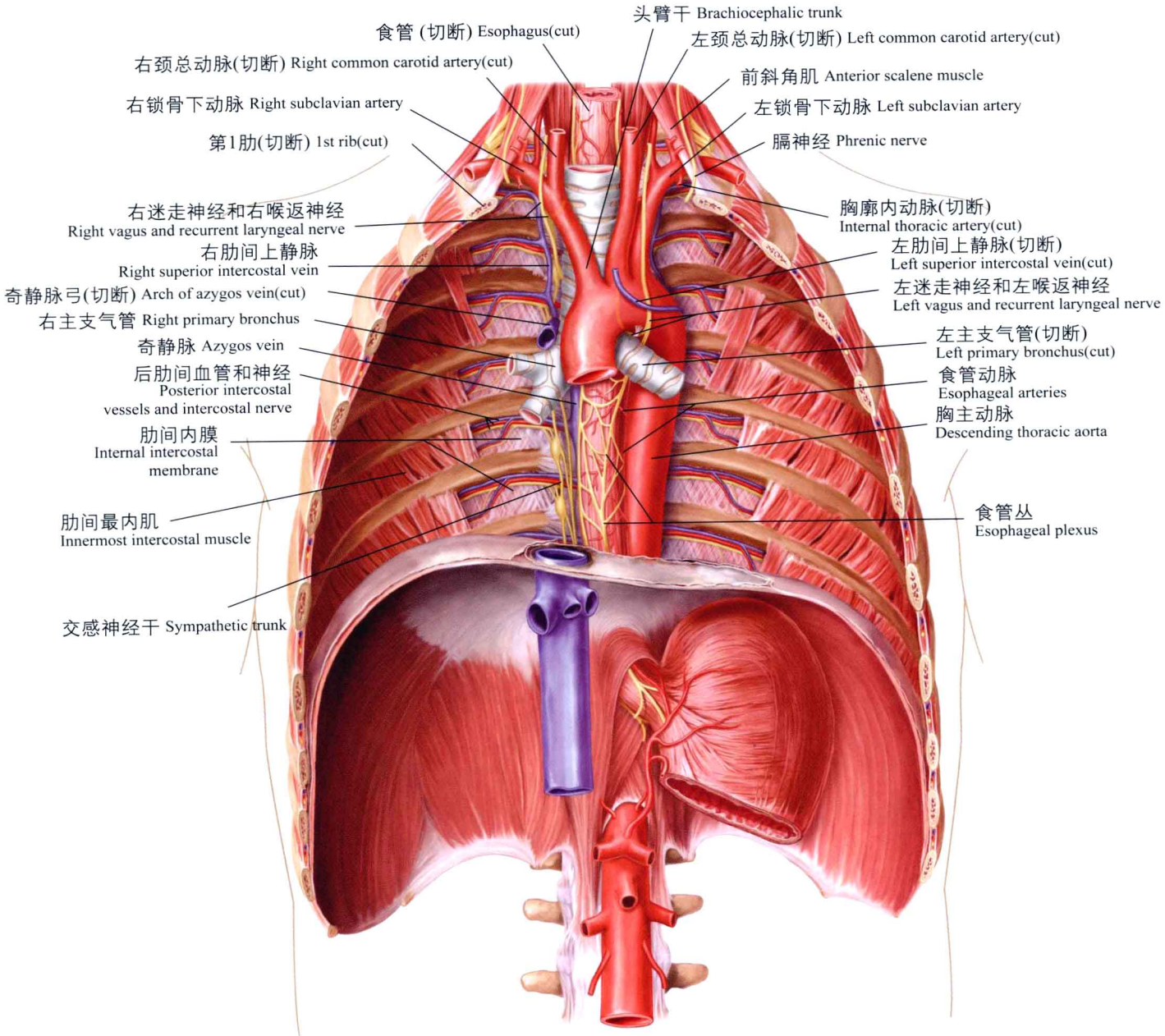


A.纵隔分部 Parts of the mediastinum

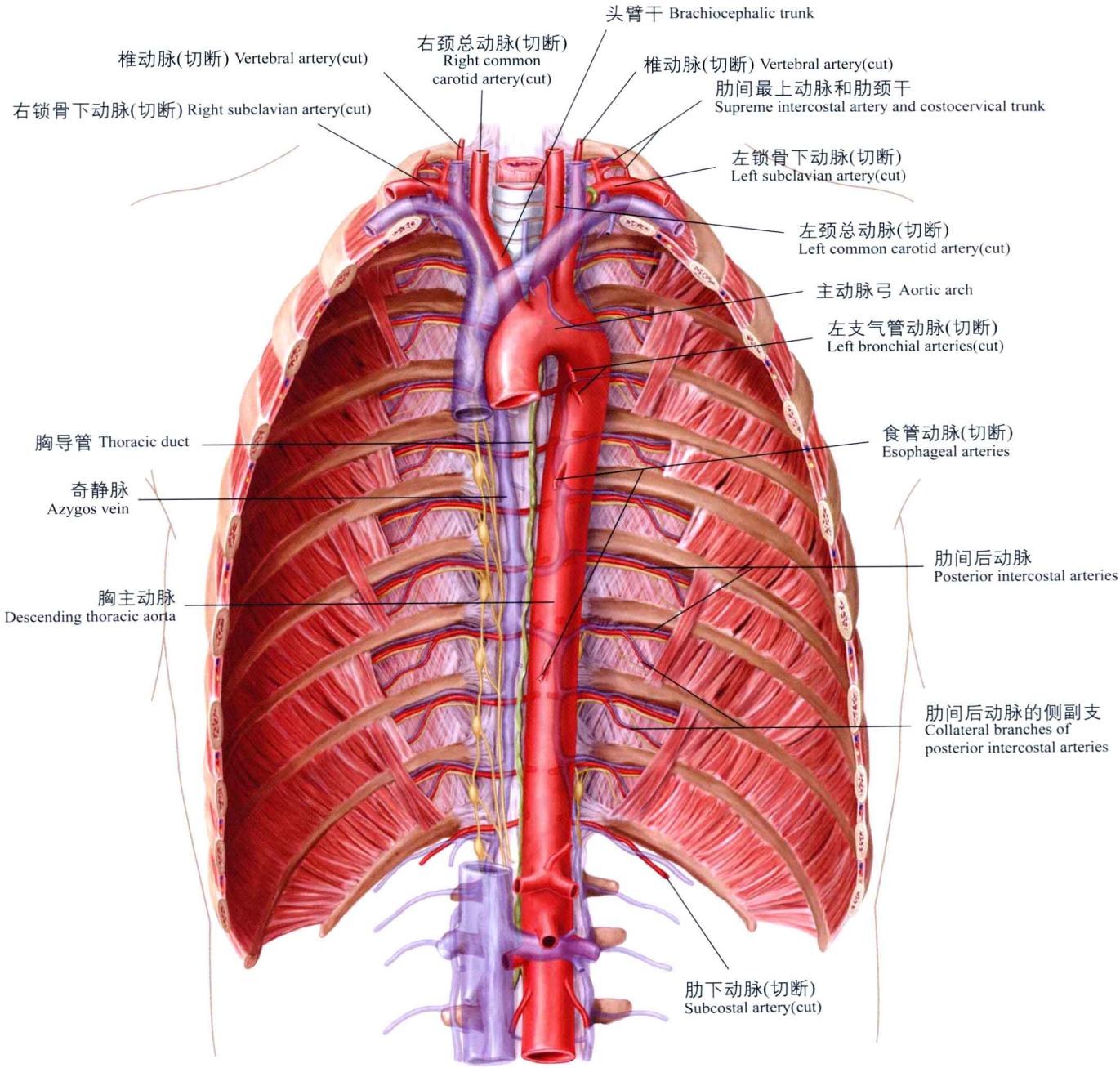


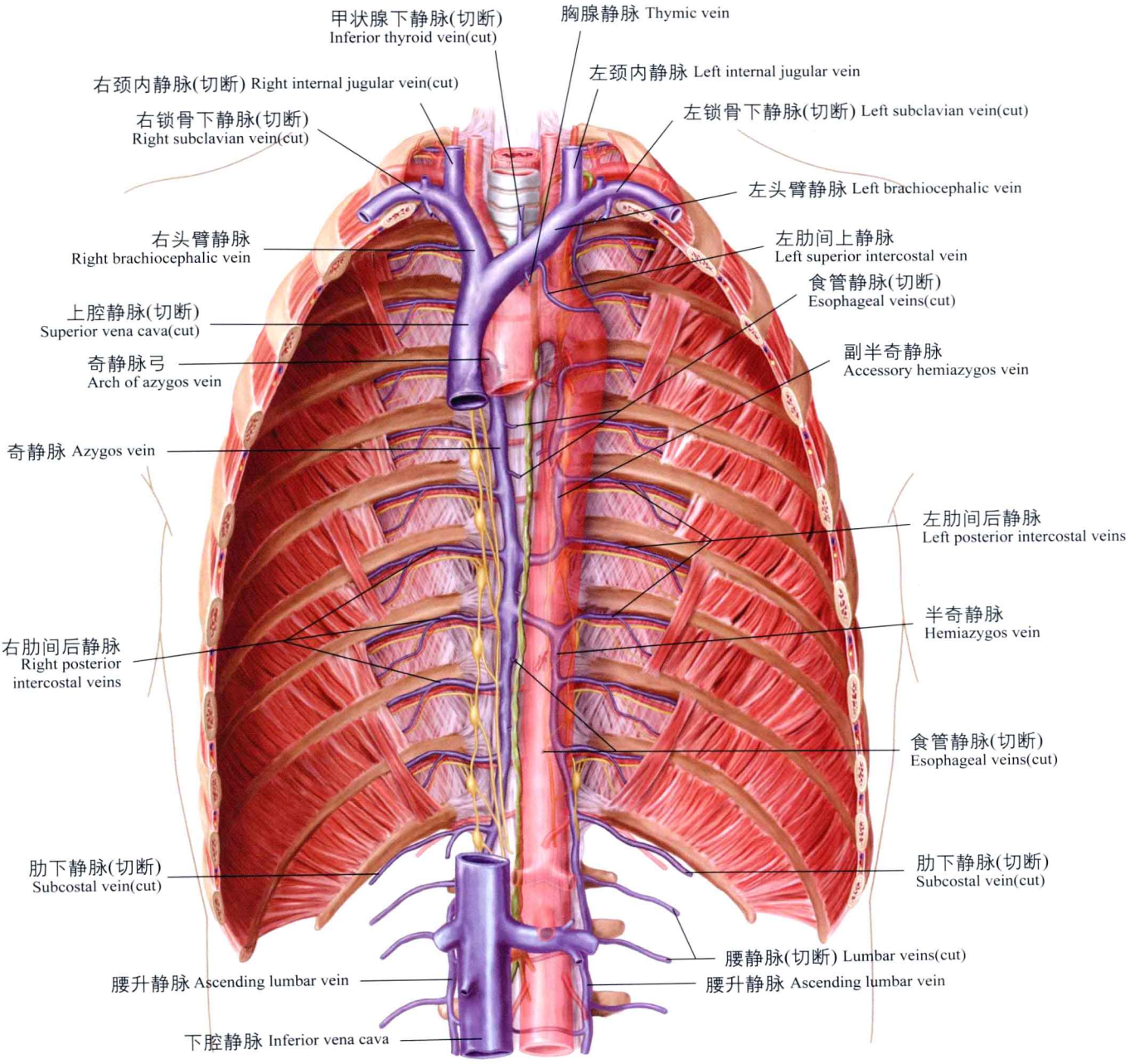
B.剖面 Dissection

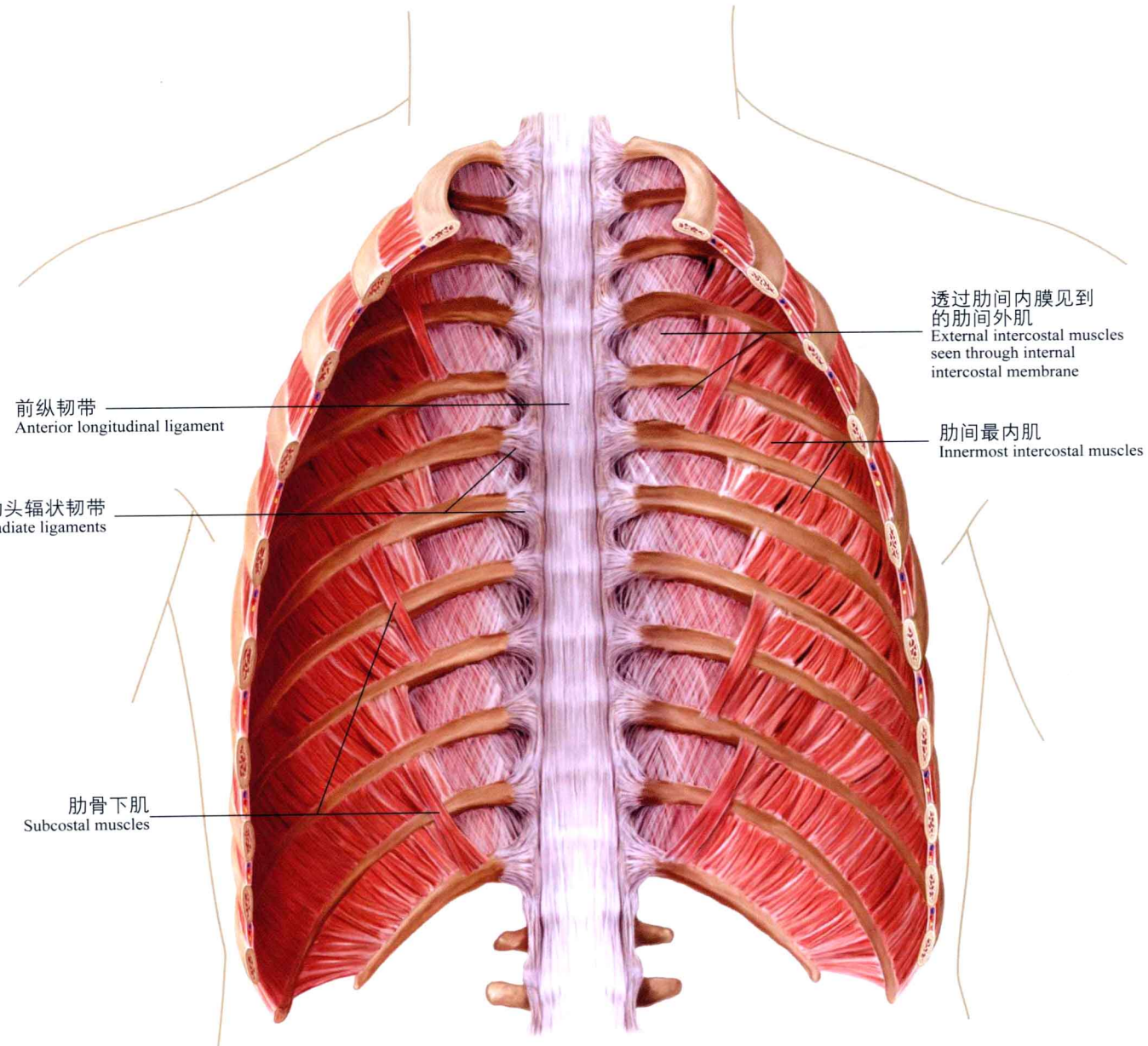
甲状腺 Thyroid gland
主动脉弓 Aortic arch
甲状腺下静脉 Inferior thyroid vein
胸腺静脉 Thymic vein
左头臂静脉 Left brachiocephalic vein
颈内静脉 Internal jugular vein
气管 Trachea
胸导管 Thoracic duct
前斜角肌 Anterior scalene muscle
膈神经 Phrenic nerve
右锁骨下动、静脉 Right subclavian artery and vein
左肋间上静脉 Left superior intercostal vein
颈外静脉 External jugular vein
第1肋(切断) 1st rib(cut)
右迷走神经 Right vagus nerve
迷走神经 Vagus nerve
胸廓内动、静脉 Internal thoracic artery and vein
左喉返神经 Left recurrent laryngeal nerve
膈神经和心包膈血管(切断) Phrenic nerve and pericardiacophrenic vessels(cut)
动脉韧带 Ligamentum arteriosum
右头臂静脉 Right brachiocephalic vein
左肺动脉(切断) Left pulmonary artery(cut)
上腔静脉(切断) Superior vena cava(cut)
左主支气管(切断) Left primary bronchus(cut)
右肺动脉(切断) Right pulmonary artery(cut)
食管 Esophagus
纵隔胸膜(切断) Mediastinal parietal pleura(cut)
食管丛 Esophageal plexus
肋胸膜 Costal parietal pleura
胸主动脉 Descending thoracic aorta
腔静脉裂孔中的下腔静脉(胸8)(切断) Inferior vena cava in caval foramen(T8)(cut)
膈(切断) Diaphragm(cut)
食管裂孔中的食管(胸10) Esophagus in esophageal hiatus (T10)
胃(腹膜切除，切断) Stomach (peritoneum removed，cut)
主动脉裂孔中的主动脉(胸12) Aorta in aorta hiatus (T12)
迷走神经前干 Anterior vagal trunk
迷走神经后干 Posterior vagal trunk

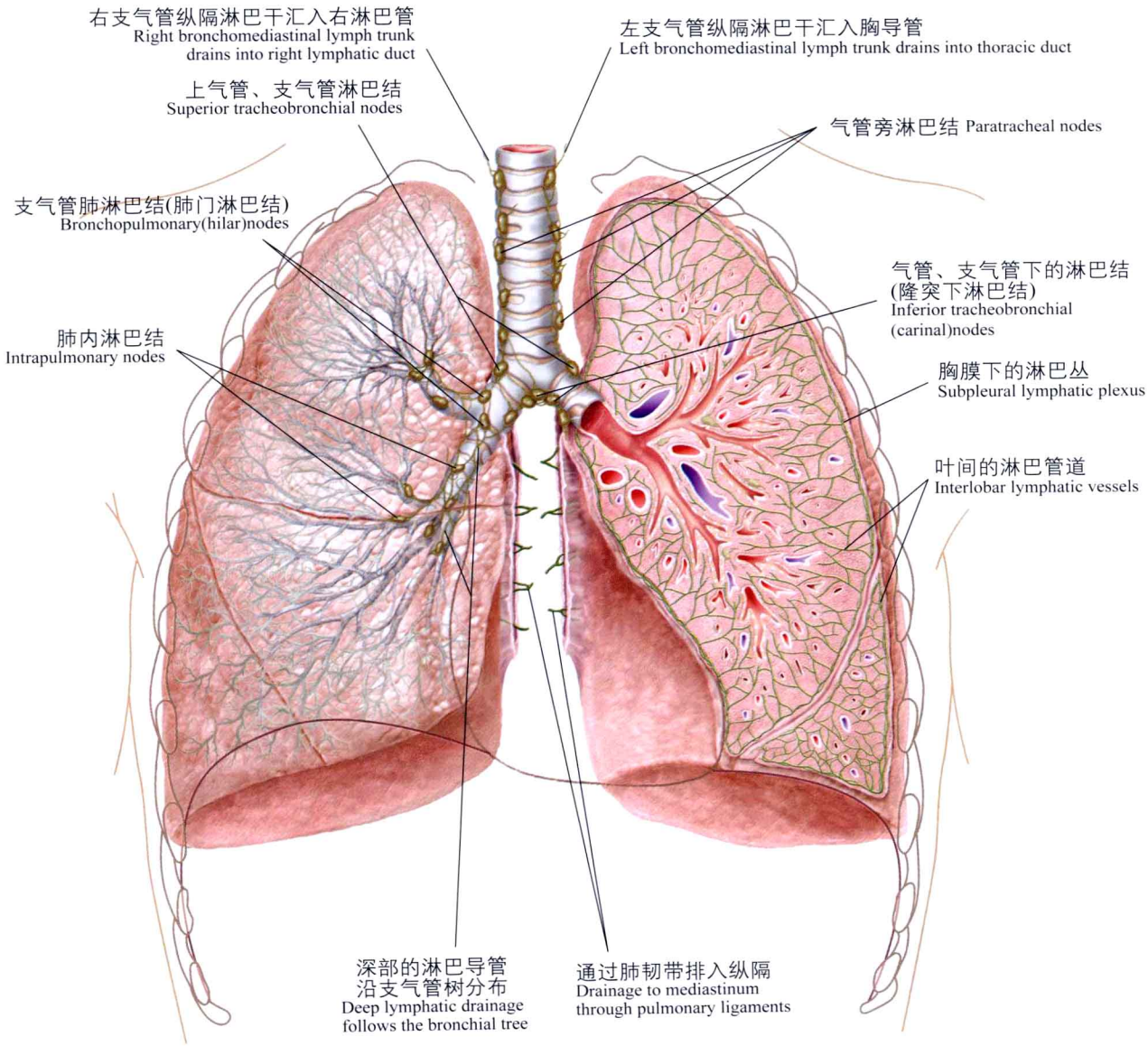

头臂干 Brachiocephalic trunk
食管（切断）Esophagus(cut)
左颈总动脉(切断) Left common carotid artery(cut)
右颈总动脉(切断) Right common carotid artery(cut)
前斜角肌 Anterior scalene muscle
右锁骨下动脉 Right subclavian artery
左锁骨下动脉 Left subclavian artery
第1肋(切断) 1st rib(cut)
膈神经 Phrenic nerve
右迷走神经和右喉返神经
Right vagus and recurrent laryngeal nerve
胸廓内动脉(切断)
Internal thoracic artery(cut)
右肋间上静脉
Right superior intercostal vein
左肋间上静脉(切断)
Left superior intercostal vein(cut)
奇静脉弓(切断) Arch of azygos vein(cut)
左迷走神经和左喉返神经
Left vagus and recurrent laryngeal nerve
右主支气管 Right primary bronchus
左主支气管(切断)
Left primary bronchus(cut)
奇静脉 Azygos vein
后肋间血管和神经
Posterior intercostal vessels and intercostal nerve
食管动脉
Esophageal arteries
胸主动脉
Descending thoracic aorta
肋间内膜
Internal intercostal membrane
肋间最内肌
Innermost intercostal muscle
食管丛
Esophageal plexus
交感神经干 Sympathetic trunk

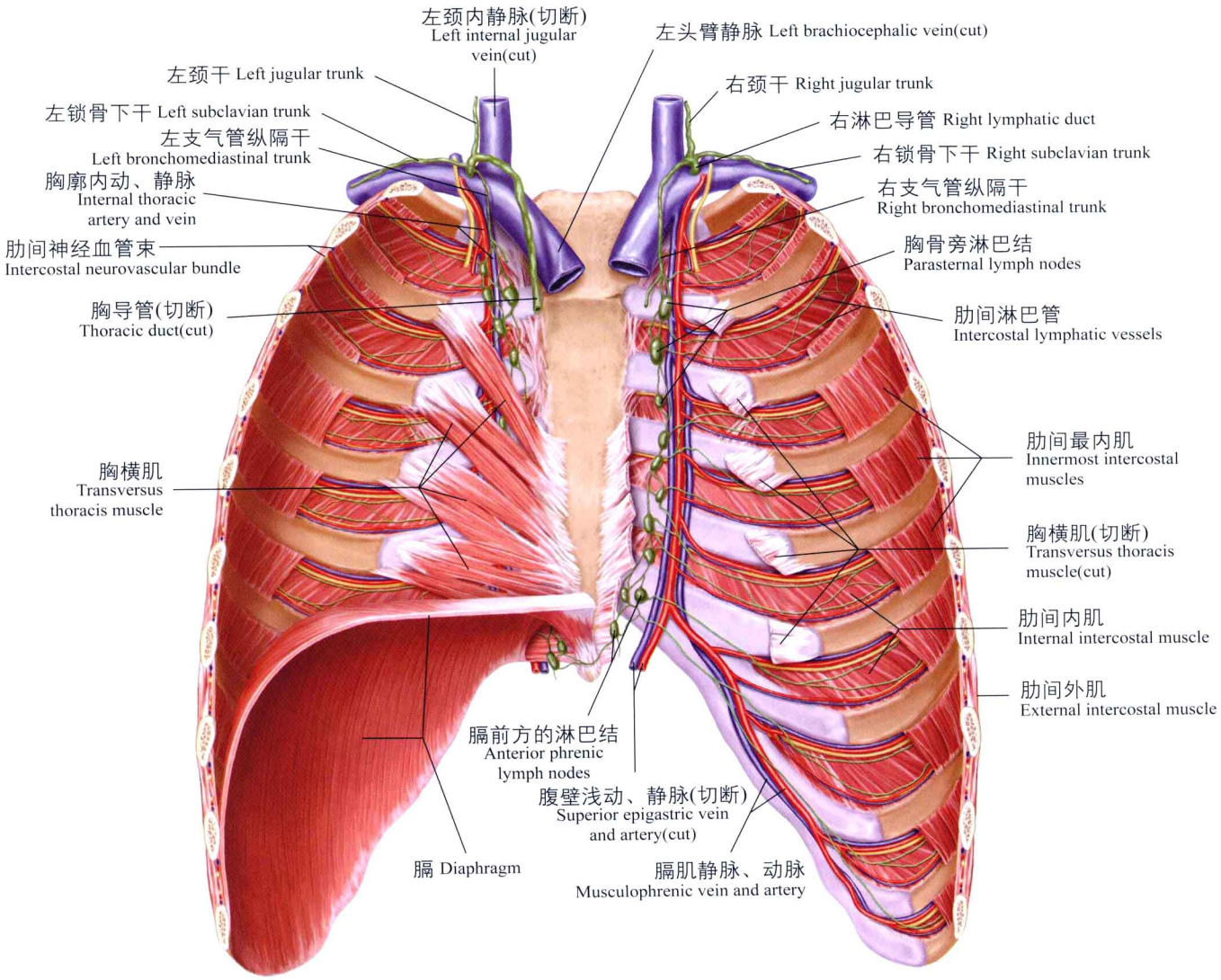
胸腔后壁的动脉 Arteries of the posterior Thoracic Wall

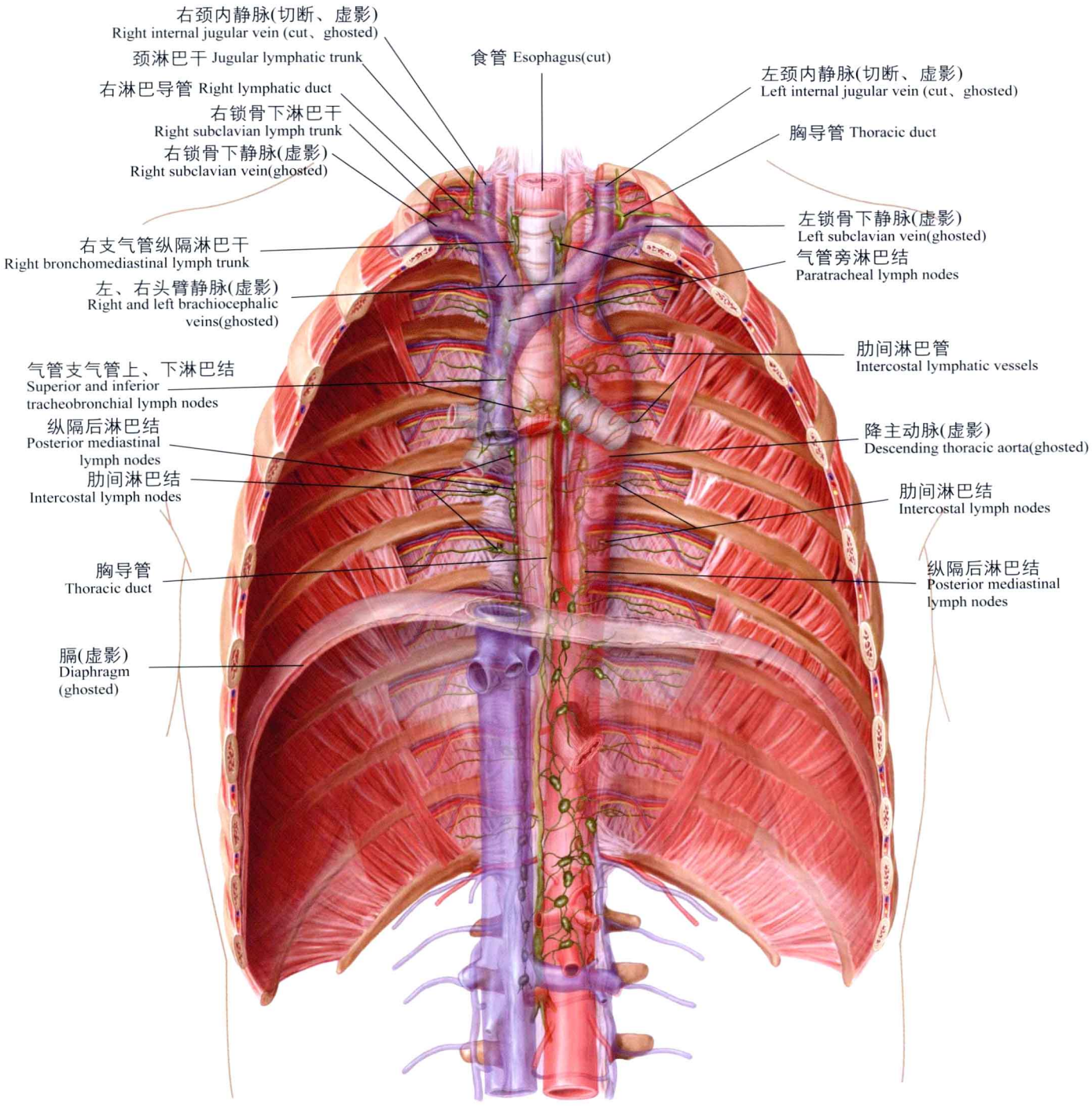


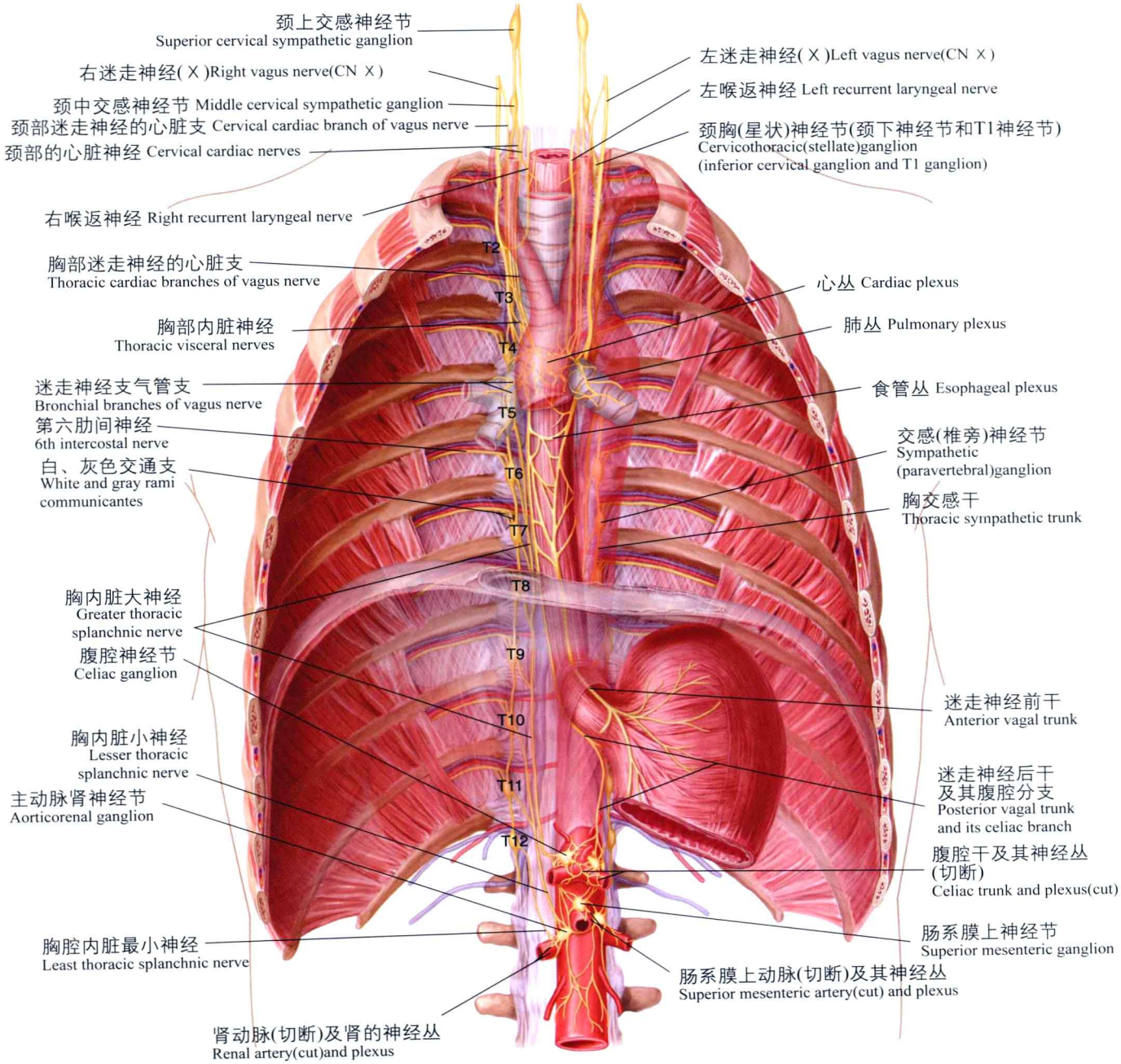

甲状腺下静脉(切断)
Inferior thyroid vein(cut)
胸腺静脉 Thymic vein
右颈内静脉(切断) Right internal jugular vein(cut)
左颈内静脉 Left internal jugular vein
右锁骨下静脉(切断)
Right subclavian vein(cut)
左锁骨下静脉(切断) Left subclavian vein(cut)
左头臂静脉 Left brachiocephalic vein
右头臂静脉
Right brachiocephalic vein
左肋间上静脉
Left superior intercostal vein
食管静脉(切断)
Esophageal veins(cut)
上腔静脉(切断)
Superior vena cava(cut)
奇静脉弓
Arch of azygos vein
副半奇静脉
Accessory hemiazygos vein
奇静脉 Azygos vein
左肋间后静脉
Left posterior intercostal veins
半奇静脉
Hemiazygos vein
右肋间后静脉
Right posterior
intercostal veins
食管静脉(切断)
Esophageal veins(cut)
肋下静脉(切断)
Subcostal vein(cut)
肋下静脉(切断)
Subcostal vein(cut)
腰静脉(切断) Lumbar veins(cut)
腰升静脉 Ascending lumbar vein
腰升静脉 Ascending lumbar vein
下腔静脉 Inferior vena cava

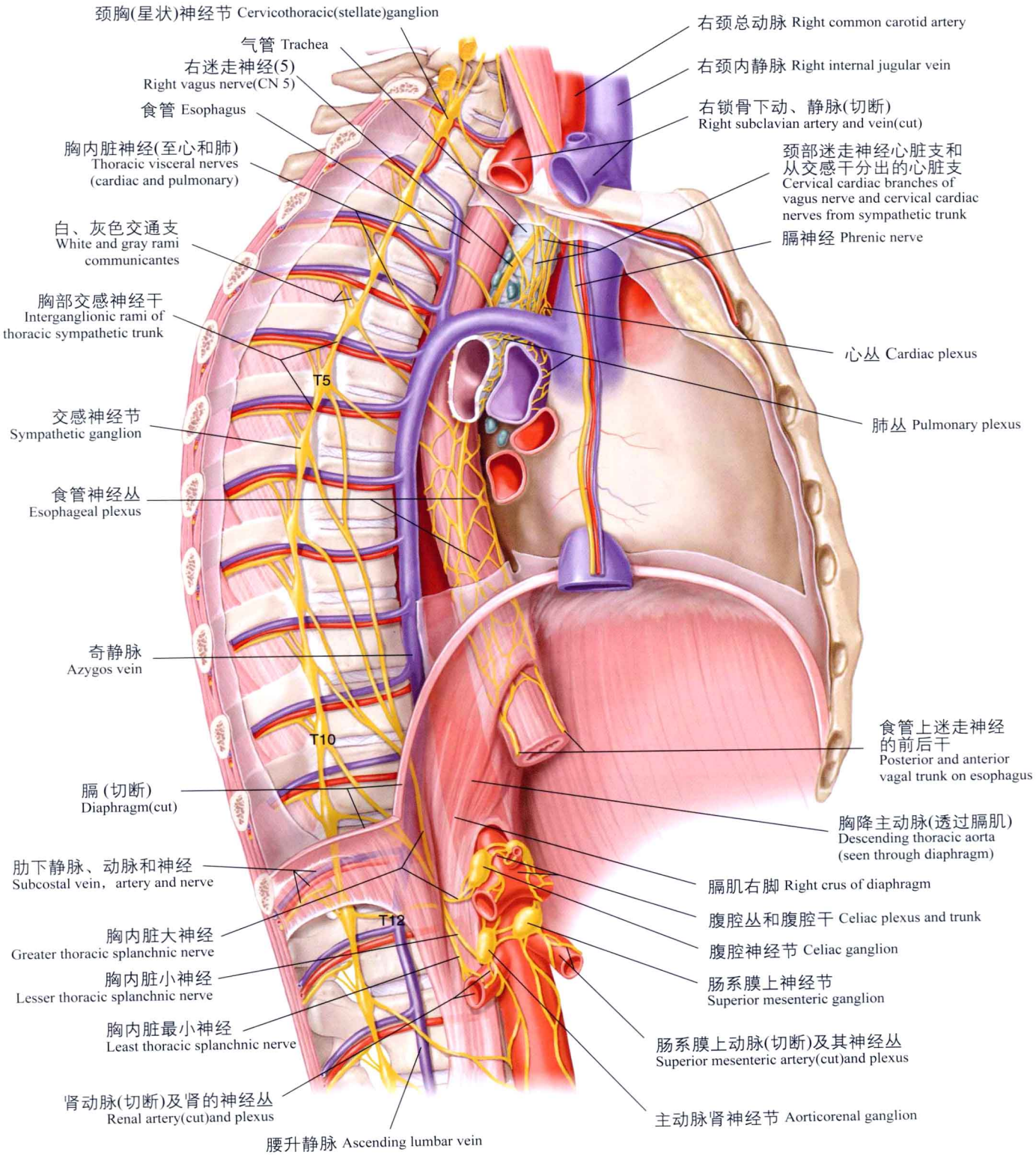

透过肋间内膜见到的肋间外肌
External intercostal muscles seen through internal intercostal membrane
前纵韧带
Anterior longitudinal ligament
肋间最内肌
Innermost intercostal muscles
肋头辐状韧带
Radiate ligaments
肋骨下肌
Subcostal muscles


右支气管纵隔淋巴干汇入右淋巴管
Right bronchomediastinal lymph trunk drains into right lymphatic duct
左支气管纵隔淋巴干汇入胸导管
Left bronchomediastinal lymph trunk drains into thoracic duct
上气管、支气管淋巴结
Superior tracheobronchial nodes
气管旁淋巴结 Paratracheal nodes
支气管肺淋巴结(肺门淋巴结)
Bronchopulmonary(hilar)nodes
气管、支气管下的淋巴结
(隆突下淋巴结)
Inferior tracheobronchial
(carinal)nodes
肺内淋巴结
Intrapulmonary nodes
胸膜下的淋巴丛
Subpleural lymphatic plexus
叶间的淋巴管道
Interlobar lymphatic vessels
深部的淋巴导管
沿支气管树分布
Deep lymphatic drainage
follows the bronchial tree
通过肺韧带排入纵隔
Drainage to mediastinum
through pulmonary ligaments


左颈内静脉(切断)
Left internal jugular vein(cut)
左头臂静脉 Left brachiocephalic vein(cut)
左颈干 Left jugular trunk
右颈干 Right jugular trunk
左锁骨下干 Left subclavian trunk
右淋巴导管 Right lymphatic duct
左支气管纵隔干
Left bronchomediastinal trunk
右锁骨下干 Right subclavian trunk
胸廓内动、静脉
Internal thoracic artery and vein
右支气管纵隔干
Right bronchomediastinal trunk
肋间神经血管束
Intercostal neurovascular bundle
胸骨旁淋巴结
Parasternal lymph nodes
胸导管(切断)
Thoracic duct(cut)
肋间淋巴管
Intercostal lymphatic vessels
肋间最内肌
Innermost intercostal muscles
胸横肌
Transversus thoracis muscle
胸横肌(切断)
Transversus thoracis muscle(cut)
肋间内肌
Internal intercostal muscle
肋间外肌
External intercostal muscle
膈前方的淋巴结
Anterior phrenic lymph nodes
腹壁浅动、静脉(切断)
Superior epigastric vein and artery(cut)
膈 Diaphragm
膈肌静脉、动脉
Musculophrenic vein and artery


右颈内静脉(切断、虚影)
Right internal jugular vein (cut、ghosted)
颈淋巴干 Jugular lymphatic trunk
右淋巴导管 Right lymphatic duct
右锁骨下淋巴干
Right subclavian lymph trunk
右锁骨下静脉(虚影)
Right subclavian vein(ghosted)
右支气管纵隔淋巴干
Right bronchomediastinal lymph trunk
左、右头臂静脉(虚影)
Right and left brachiocephalic veins(ghosted)
气管支气管上、下淋巴结
Superior and inferior tracheobronchial lymph nodes
纵隔后淋巴结
Posterior mediastinal lymph nodes
肋间淋巴结
Intercostal lymph nodes
胸导管
Thoracic duct
膈(虚影)
Diaphragm (ghosted)
食管 Esophagus(cut)
左颈内静脉(切断、虚影)
Left internal jugular vein (cut、ghosted)
胸导管 Thoracic duct
左锁骨下静脉(虚影)
Left subclavian vein(ghosted)
气管旁淋巴结
Paratracheal lymph nodes
肋间淋巴管
Intercostal lymphatic vessels
降主动脉(虚影)
Descending thoracic aorta(ghosted)
肋间淋巴结
Intercostal lymph nodes
纵隔后淋巴结
Posterior mediastinal lymph nodes

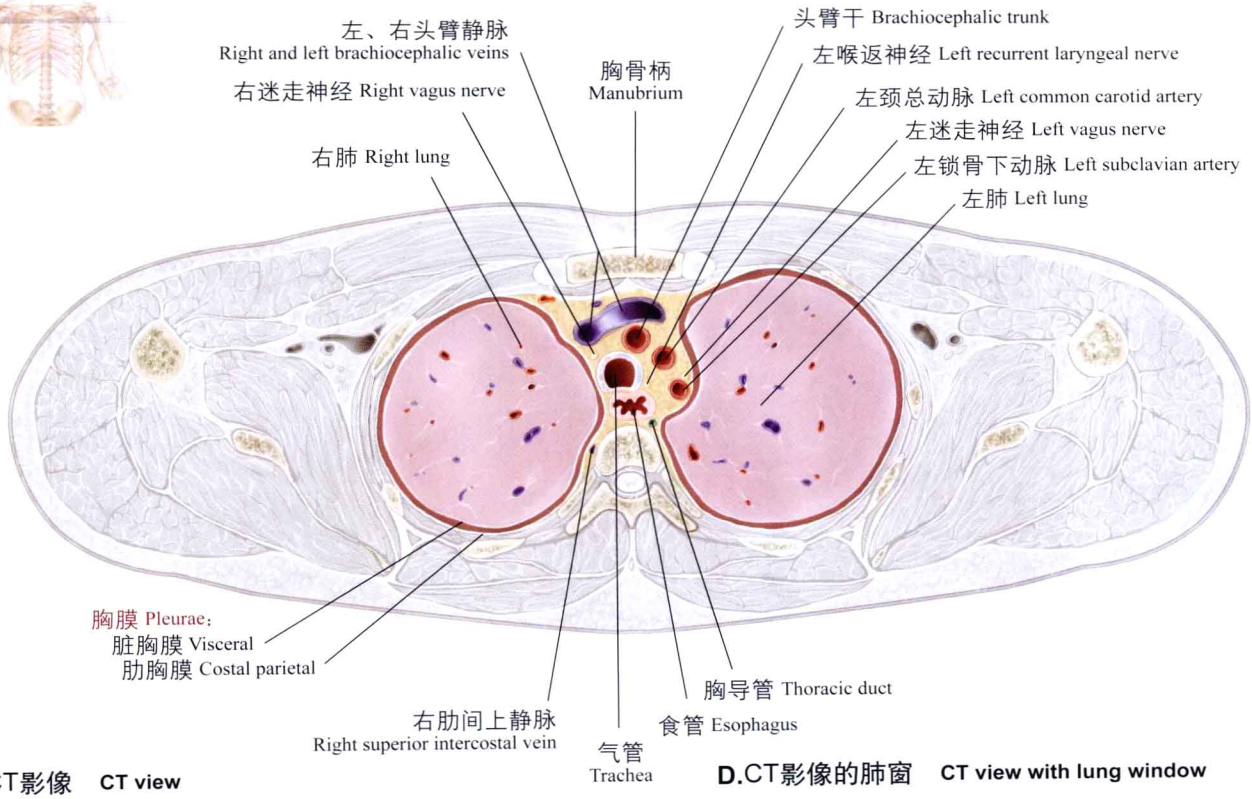

颈上交感神经节
Superior cervical sympathetic ganglion
右迷走神经(Ⅹ)Right vagus nerve(CN Ⅹ)
颈中交感神经节 Middle cervical sympathetic ganglion
颈部迷走神经的心脏支 Cervical cardiac branch of vagus nerve
颈部的心脏神经 Cervical cardiac nerves
右喉返神经 Right recurrent laryngeal nerve
胸部迷走神经的心脏支
Thoracic cardiac branches of vagus nerve
胸部内脏神经
Thoracic visceral nerves
迷走神经支气管支
Bronchial branches of vagus nerve
第六肋间神经
6th intercostal nerve
白、灰色交通支
White and gray rami communicantes
胸内脏大神经
Greater thoracic splanchnic nerve
腹腔神经节
Celiac ganglion
胸内脏小神经
Lesser thoracic splanchnic nerve
主动脉肾神经节
Aorticorenal ganglion
胸腔内脏最小神经
Least thoracic splanchnic nerve
肾动脉(切断)及肾的神经丛
Renal artery(cut)and plexus
左迷走神经(Ⅹ)Left vagus nerve(CN Ⅹ)
左喉返神经 Left recurrent laryngeal nerve
颈胸(星状)神经节(颈下神经节和T1神经节)
Cervicothoracic(stellate)ganglion
(inferior cervical ganglion and T1 ganglion)
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管丛 Esophageal plexus
交感(椎旁)神经节
Sympathetic (paravertebral)ganglion
胸交感干
Thoracic sympathetic trunk
迷走神经前干
Anterior vagal trunk
迷走神经后干及其腹腔分支
Posterior vagal trunk and its celiac branch
腹腔干及其神经丛(切断)
Celiac trunk and plexus(cut)
肠系膜上神经节
Superior mesenteric ganglion
肠系膜上动脉(切断)及其神经丛
Superior mesenteric artery(cut) and plexus
T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12


颈胸(星状)神经节 Cervicothoracic(stellate)ganglion
气管 Trachea
右迷走神经(5)
Right vagus nerve(CN 5)
食管 Esophagus
胸内脏神经(至心和肺)
Thoracic visceral nerves
(cardiac and pulmonary)
白、灰色交通支
White and gray rami
communicantes
胸部交感神经干
Interganglionic rami of
thoracic sympathetic trunk
T5
交感神经节
Sympathetic ganglion
食管神经丛
Esophageal plexus
奇静脉
Azygos vein
T10
膈 (切断)
Diaphragm(cut)
肋下静脉、动脉和神经
Subcostal vein, artery and nerve
T12
胸内脏大神经
Greater thoracic splanchnic nerve
胸内脏小神经
Lesser thoracic splanchnic nerve
胸内脏最小神经
Least thoracic splanchnic nerve
肾动脉(切断)及肾的神经丛
Renal artery(cut)and plexus
腰升静脉 Ascending lumbar vein
右颈总动脉 Right common carotid artery
右颈内静脉 Right internal jugular vein
右锁骨下动、静脉(切断)
Right subclavian artery and vein(cut)
颈部迷走神经心脏支和
从交感干分出的心脏支
Cervical cardiac branches of
vagus nerve and cervical cardiac
nerves from sympathetic trunk
膈神经 Phrenic nerve
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管上迷走神经
的前后干
Posterior and anterior
vagal trunk on esophagus
胸降主动脉(透过膈肌)
Descending thoracic aorta
(seen through diaphragm)
膈肌右脚 Right crus of diaphragm
腹腔丛和腹腔干 Celiac plexus and trunk
腹腔神经节 Celiac ganglion
肠系膜上神经节
Superior mesenteric ganglion
肠系膜上动脉(切断)及其神经丛
Superior mesenteric artery(cut)and plexus
主动脉肾神经节 Aorticorenal ganglion

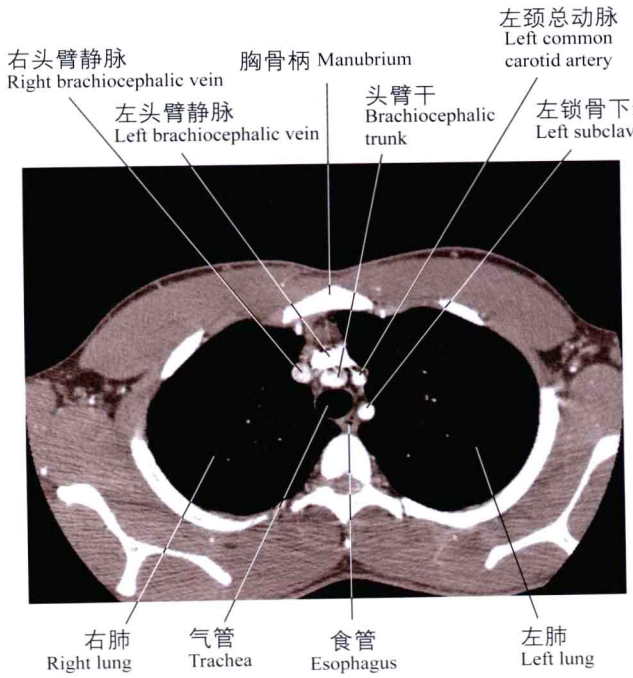
A.定位 Orientation



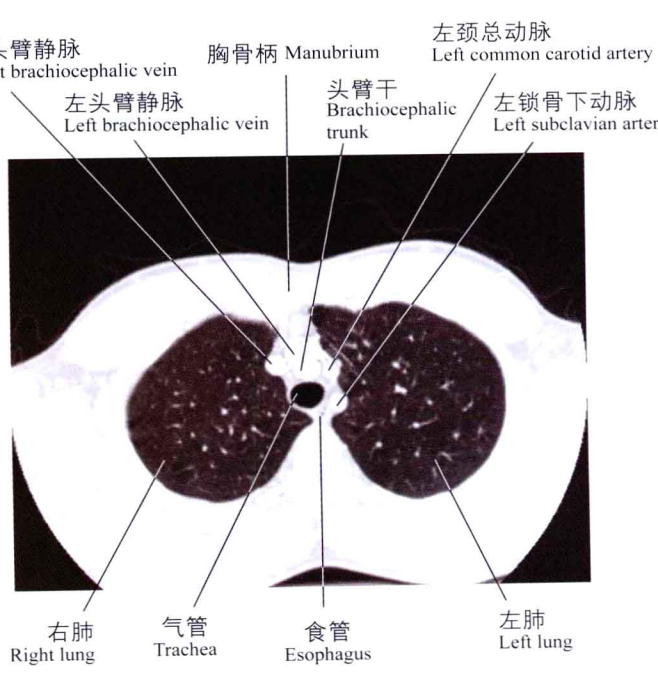
B.横断面 Cross section



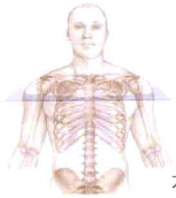
C.CT影像 CT view



D.CT影像的肺窗 CT view with lung window



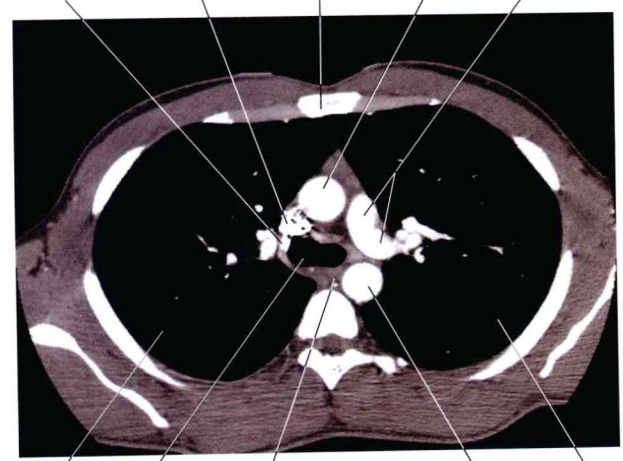
A.定位 Orientation



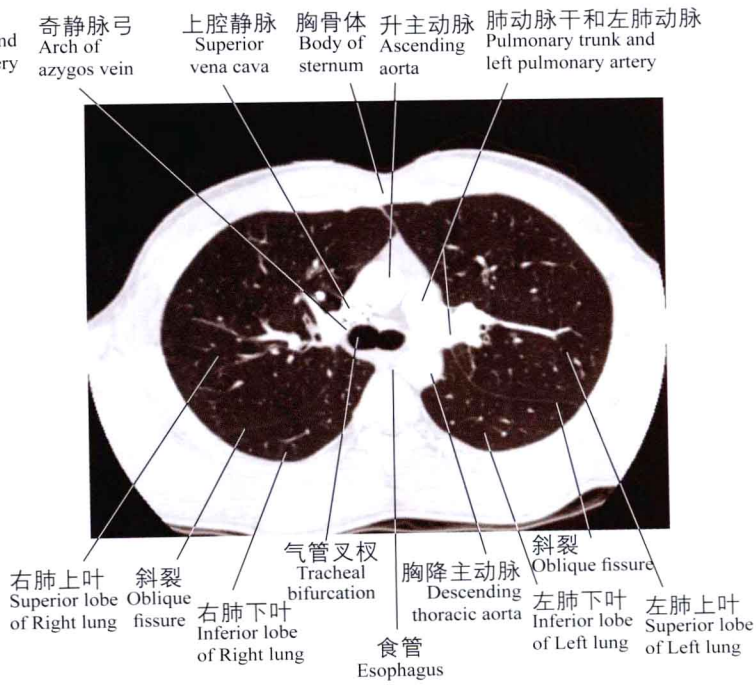
B.横断面 Cross section

胸肋关节 Sternocostal articulation
上腔静脉 Superior vena cava
升主动脉 Ascending aorta
左肺动脉 Left pulmonary artery
右肺 Right lung:
上叶 Superior lobe
斜裂 Oblique fissure
下叶 Inferior lobe
左肺 Left lung:
上叶 Superior lobe
斜裂 Oblique fissure
下叶 Inferior lobe
胸膜 Pleurae:
脏胸膜 Visceral
肋胸膜 Costal parietal
奇静脉 Azygos vein
主支气管 Primary bronchi
食管 Esophagus
胸导管 Thoracic duct
胸降主动脉 Descending thoracic aorta

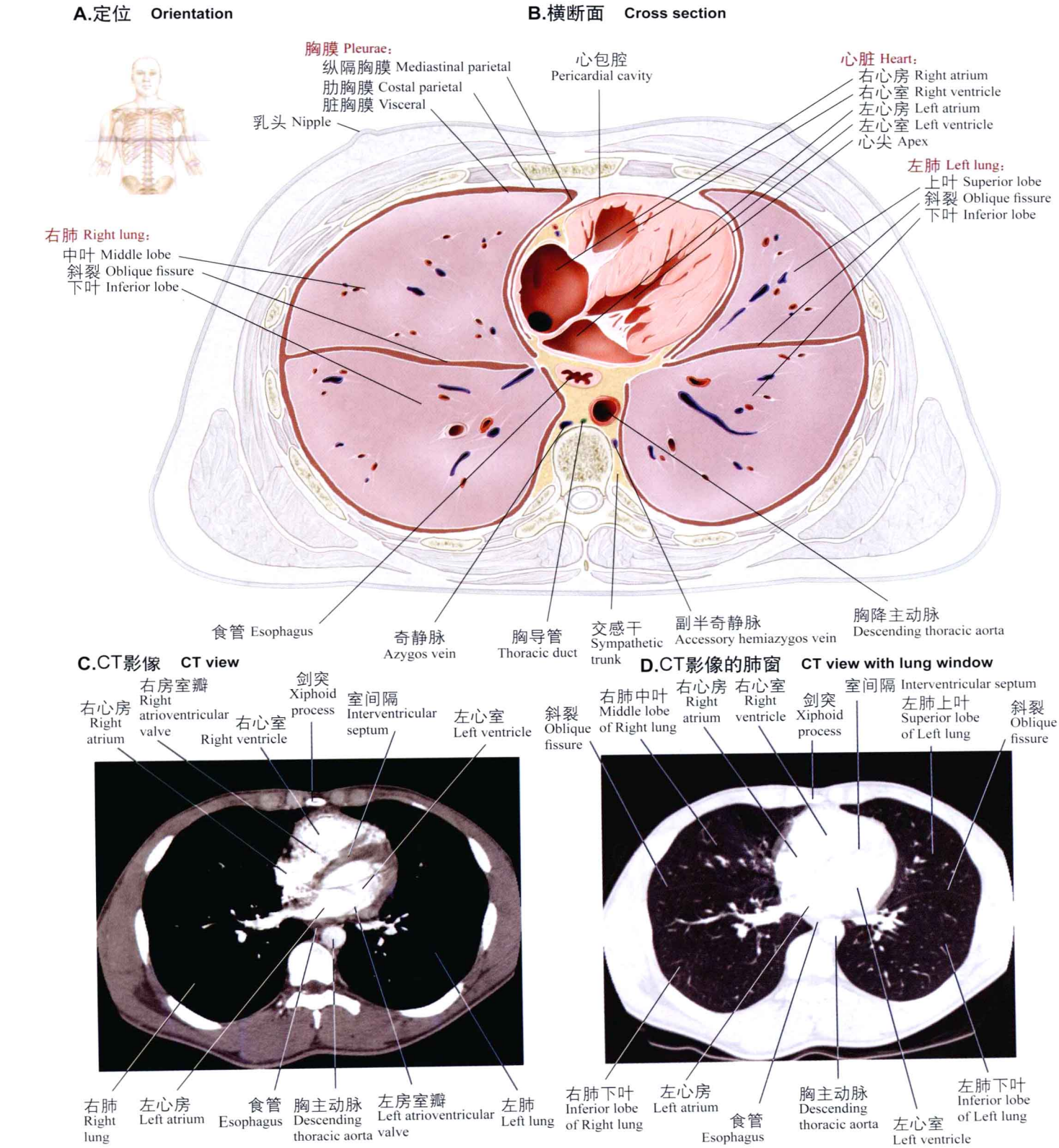
C.CT影像 CT view

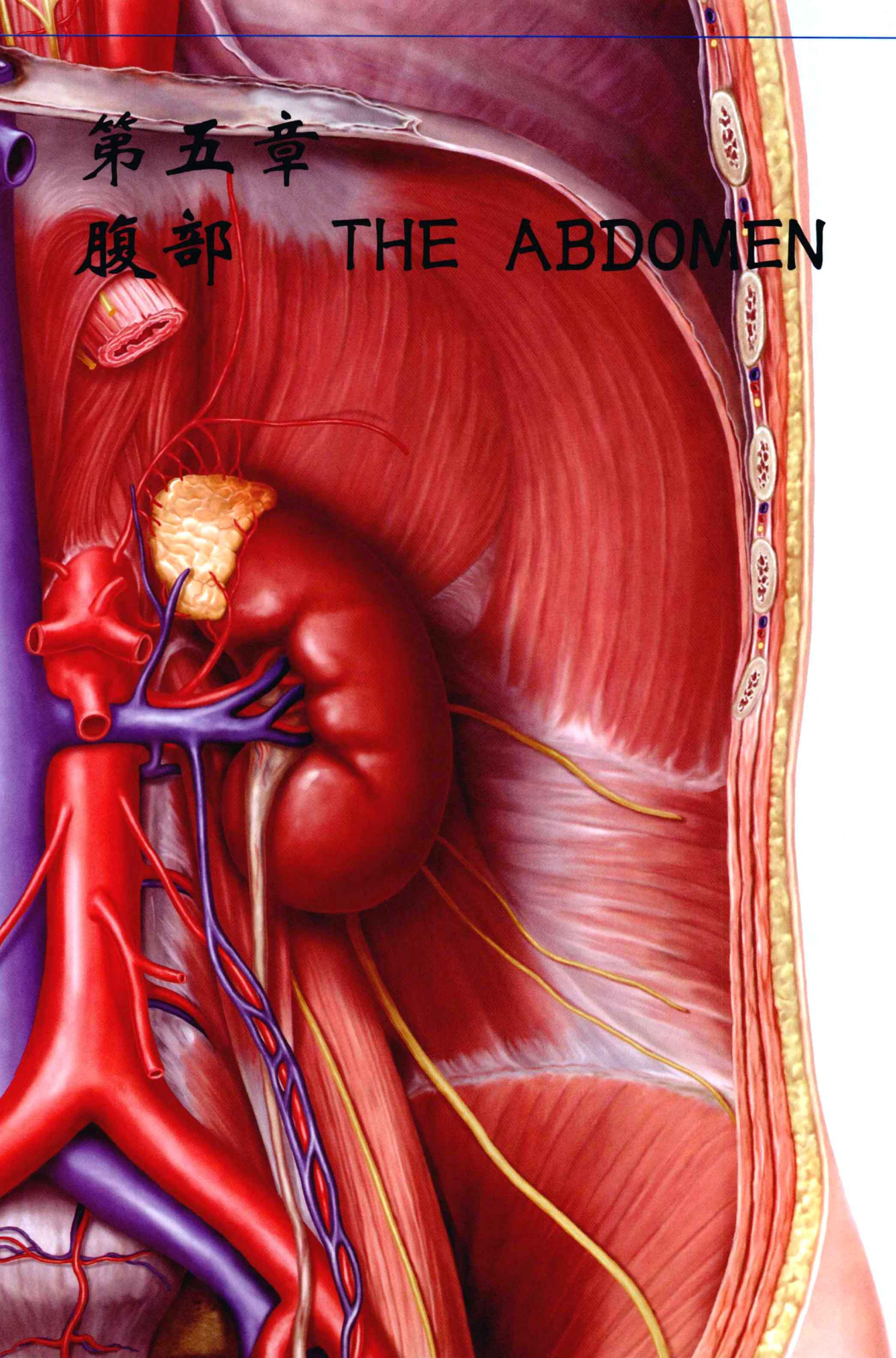


D.CT影像的肺窗 CT view with lung window



第七胸椎水平的横切面 Cross Section of the Thoracic at the T7 Vertebral Level



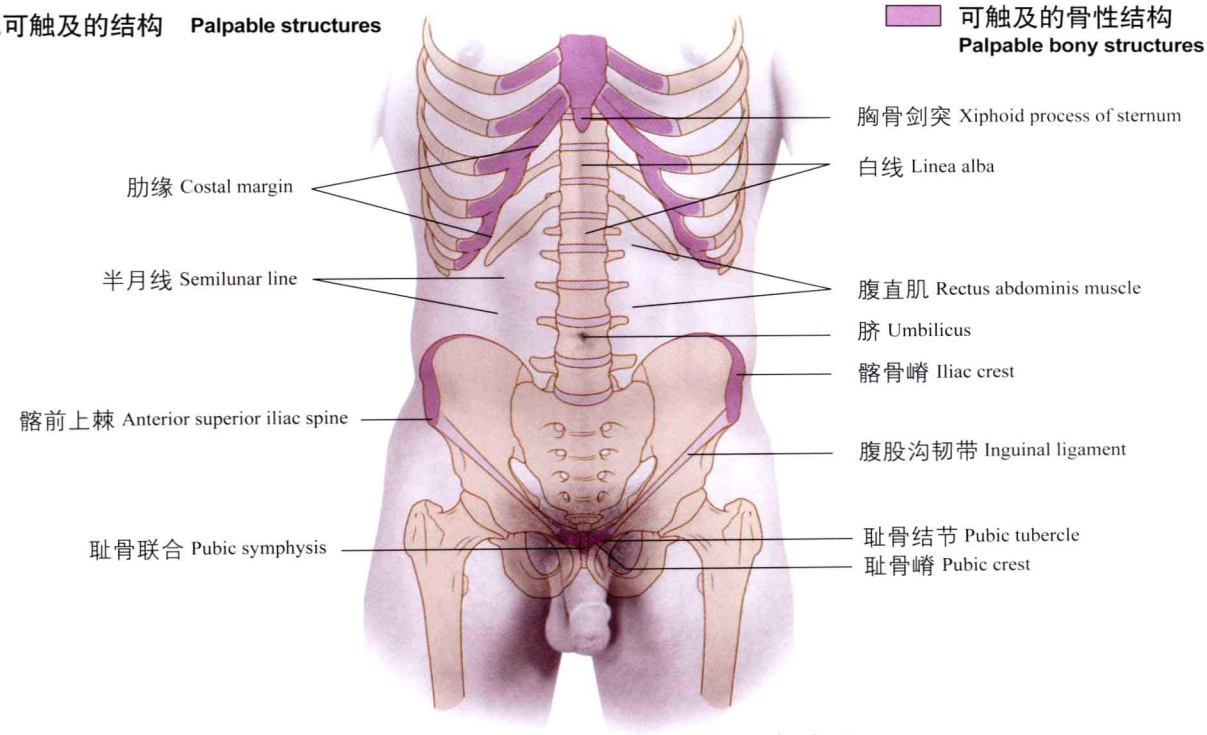


第五章
腹部 THE ABDOMEN

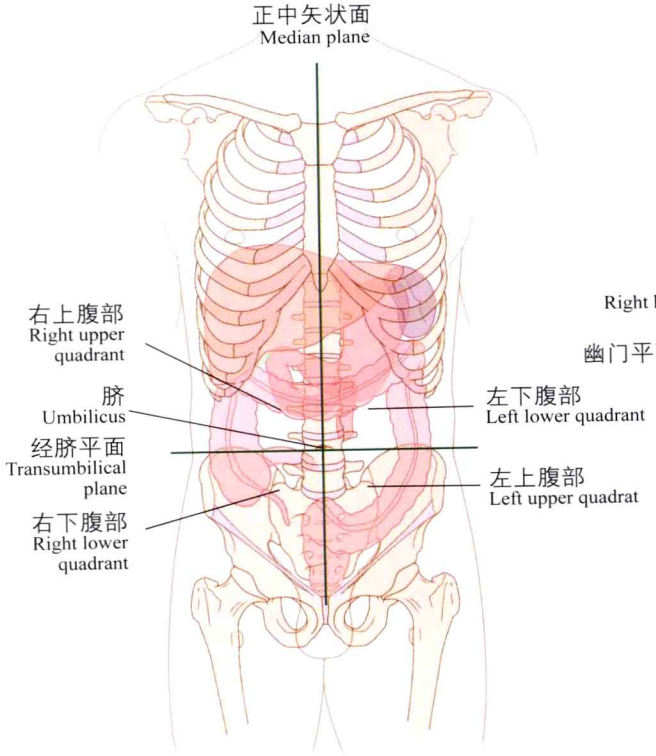
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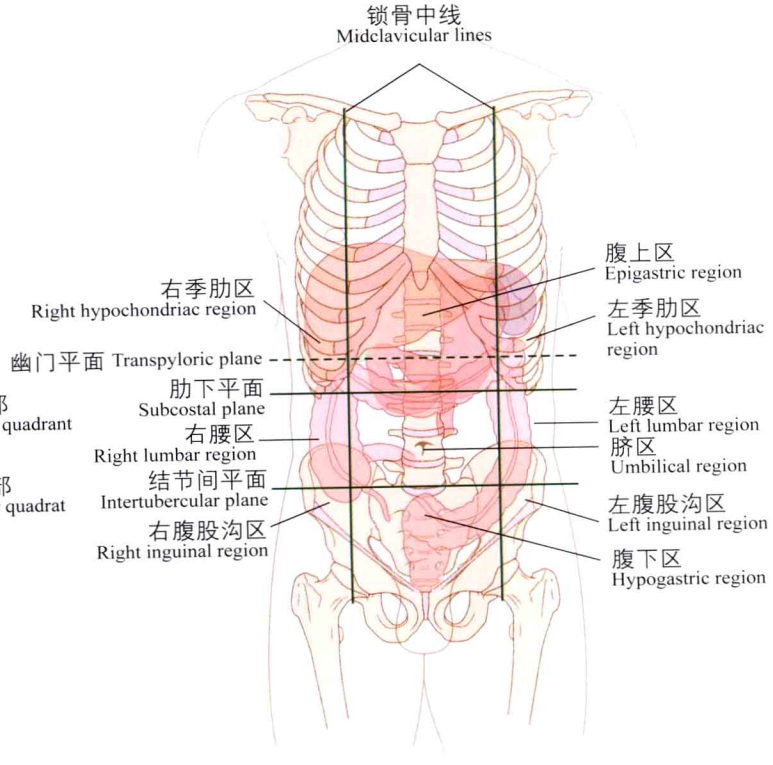
A.可触及的结构 Palpable structures

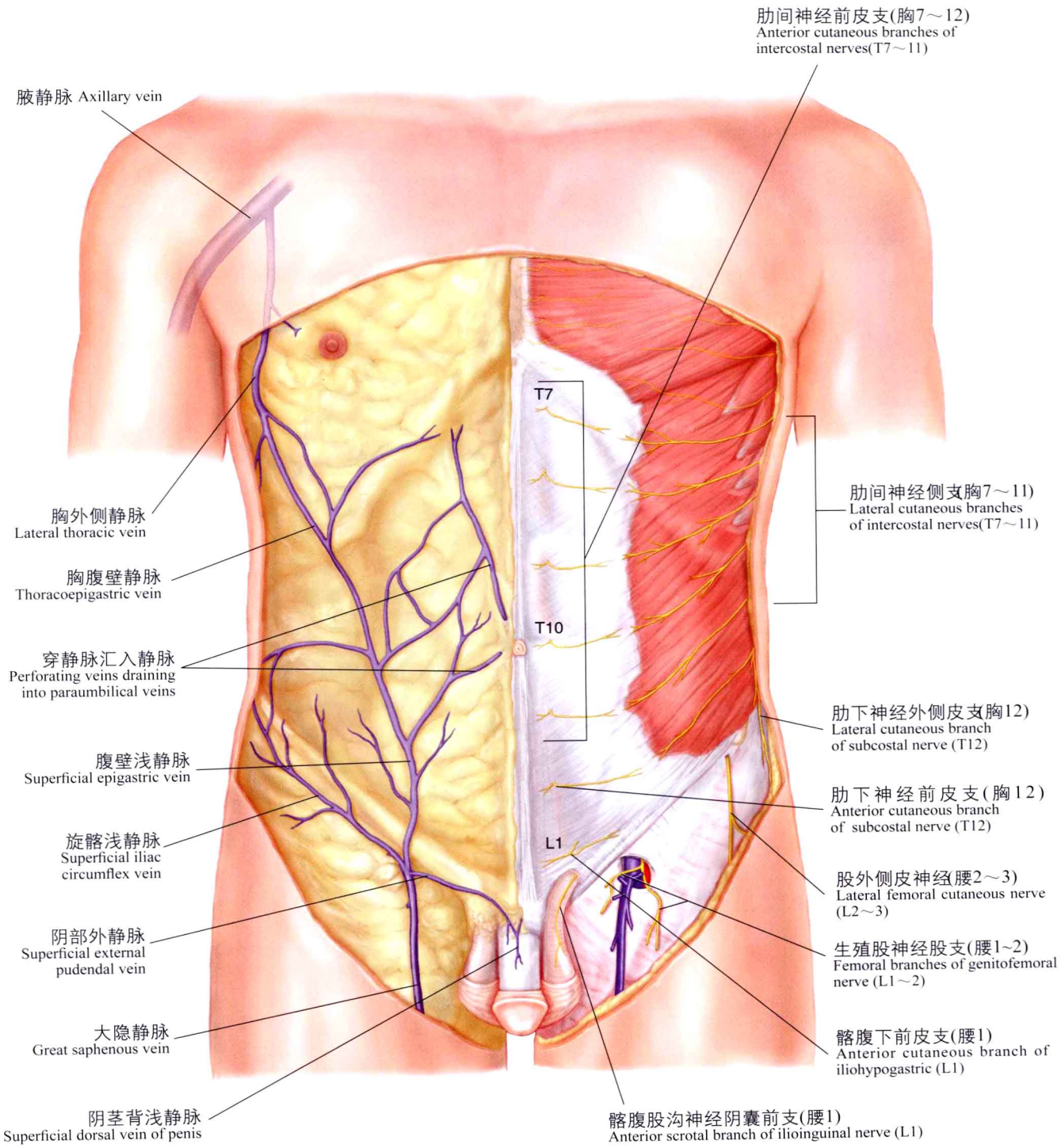


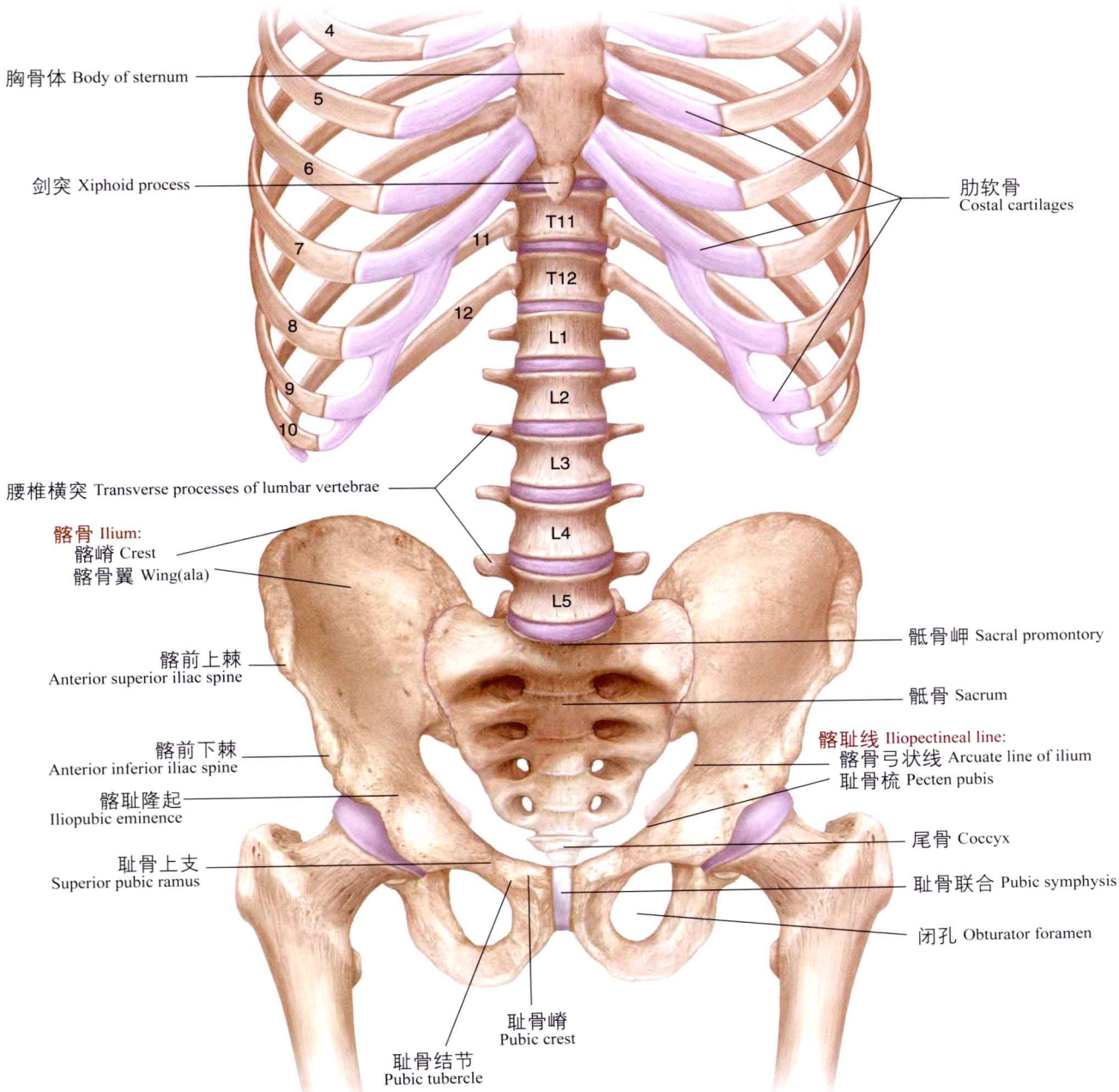
B.腹部四象限 Abdominal quadrants

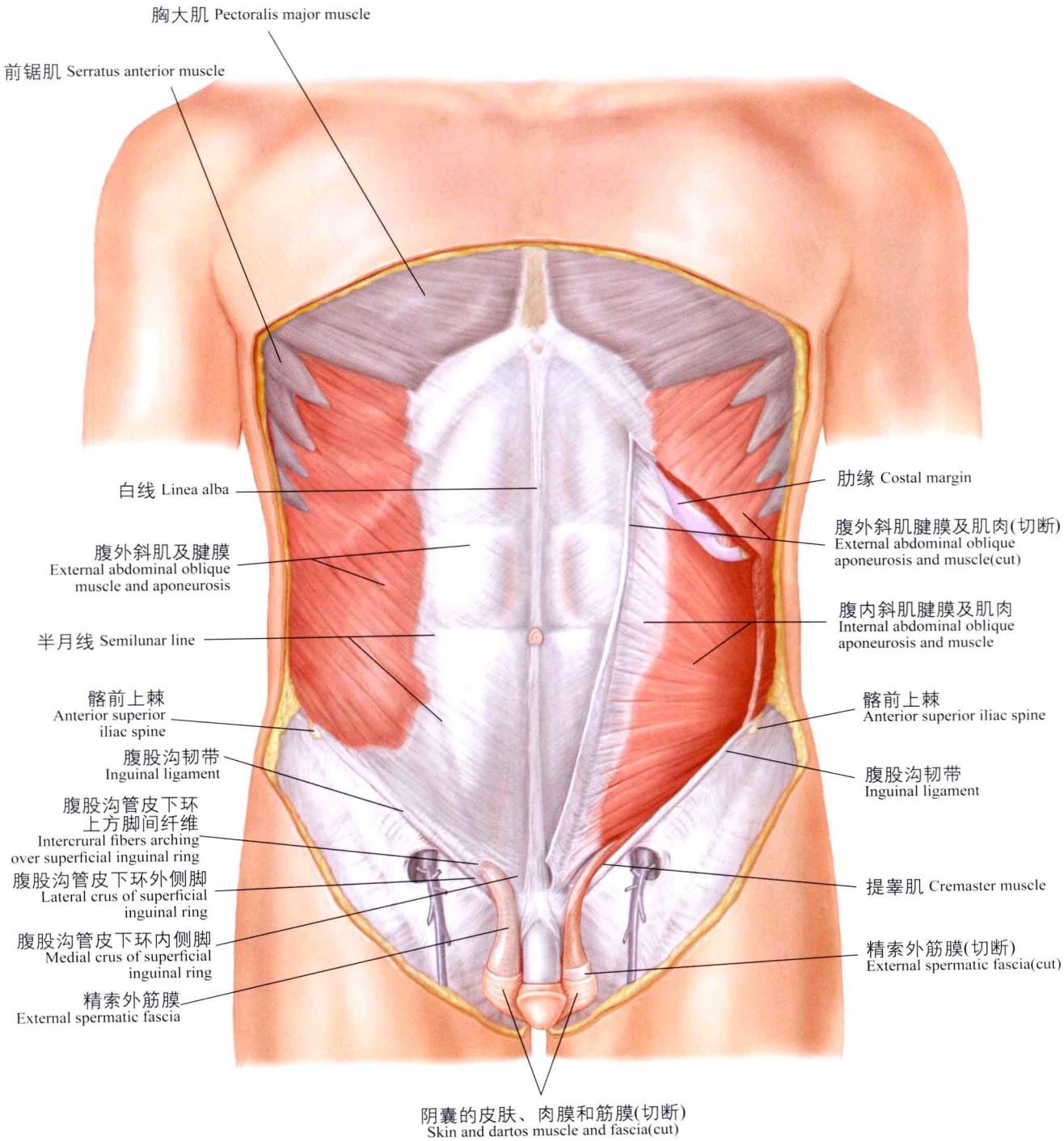


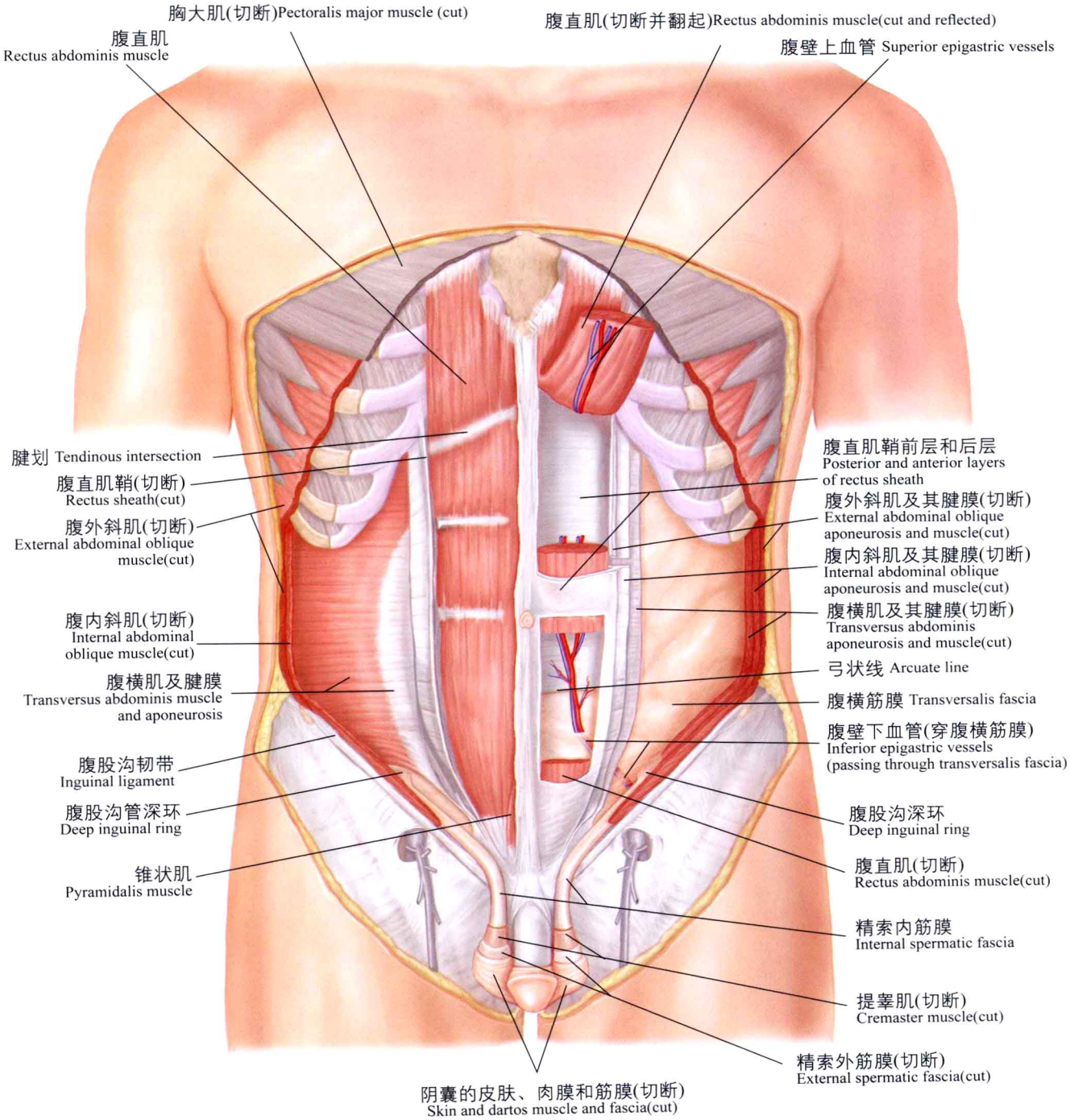
C.腹部分区 Abdominal regions



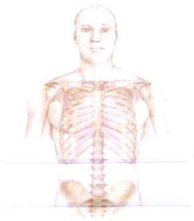

肋间神经前皮支(胸7～12)
Anterior cutaneous branches of intercostal nerves(T7～11)
腋静脉 Axillary vein
T7
T10
L1
胸外侧静脉
Lateral thoracic vein
胸腹壁静脉
Thoracoepigastric vein
穿静脉汇入静脉
Perforating veins draining into paraumbilical veins
腹壁浅静脉
Superficial epigastric vein
旋髂浅静脉
Superficial iliac circumflex vein
阴部外静脉
Superficial external pudendal vein
大隐静脉
Great saphenous vein
阴茎背浅静脉
Superficial dorsal vein of penis
肋间神经侧支(胸7～11)
Lateral cutaneous branches of intercostal nerves(T7～11)
肋下神经外侧皮支(胸12)
Lateral cutaneous branch of subcostal nerve (T12)
肋下神经前皮支(胸12)
Anterior cutaneous branch of subcostal nerve (T12)
股外侧皮神经(腰2～3)
Lateral femoral cutaneous nerve (L2～3)
生殖股神经股支(腰1～2)
Femoral branches of genitofemoral nerve (L1～2)
髂腹下前皮支(腰1)
Anterior cutaneous branch of iliohypogastric (L1)
髂腹股沟神经阴囊前支(腰1)
Anterior scrotal branch of ilioinguinal nerve (L1)


胸骨体 Body of sternum
剑突 Xiphoid process
肋软骨
Costal cartilages
腰椎横突 Transverse processes of lumbar vertebrae
髂骨 Ilium:
髂嵴 Crest
髂骨翼 Wing(ala)
髂前上棘
Anterior superior iliac spine
髂前下棘
Anterior inferior iliac spine
髂耻隆起
Iliopubic eminence
耻骨上支
Superior pubic ramus
骶骨岬 Sacral promontory
骶骨 Sacrum
髂耻线 Iliopectineal line:
髂骨弓状线 Arcuate line of ilium
耻骨梳 Pecten pubis
尾骨 Coccyx
耻骨联合 Pubic symphysis
闭孔 Obturator foramen
耻骨嵴
Pubic crest
耻骨结节
Pubic tubercle
4
5
6
7
8
9
10
11
12
T11
T12
L1
L2
L3
L4
L5


胸大肌 Pectoralis major muscle
前锯肌 Serratus anterior muscle
白线 Linea alba
腹外斜肌及腱膜
External abdominal oblique muscle and aponeurosis
半月线 Semilunar line
髂前上棘
Anterior superior iliac spine
腹股沟韧带
Inguinal ligament
腹股沟管皮下环上方脚间纤维
Intercrural fibers arching over superficial inguinal ring
腹股沟管皮下环外侧脚
Lateral crus of superficial inguinal ring
腹股沟管皮下环内侧脚
Medial crus of superficial inguinal ring
精索外筋膜
External spermatic fascia
肋缘 Costal margin
腹外斜肌腱膜及肌肉(切断)
External abdominal oblique aponeurosis and muscle(cut)
腹内斜肌腱膜及肌肉
Internal abdominal oblique aponeurosis and muscle
髂前上棘
Anterior superior iliac spine
腹股沟韧带
Inguinal ligament
提睾肌 Cremaster muscle
精索外筋膜(切断)
External spermatic fascia(cut)
阴囊的皮肤、肉膜和筋膜(切断)
Skin and dartos muscle and fascia(cut)


胸大肌(切断)Pectoralis major muscle (cut)
腹直肌
Rectus abdominis muscle
腹直肌(切断并翻起)Rectus abdominis muscle(cut and reflected)
腹壁上血管 Superior epigastric vessels
腱划 Tendinous intersection
腹直肌鞘(切断)
Rectus sheath(cut)
腹外斜肌(切断)
External abdominal oblique muscle(cut)
腹内斜肌(切断)
Internal abdominal oblique muscle(cut)
腹横肌及腱膜
Transversus abdominis muscle and aponeurosis
腹股沟韧带
Inguinal ligament
腹股沟管深环
Deep inguinal ring
锥状肌
Pyramidalis muscle
腹直肌鞘前层和后层
Posterior and anterior layers of rectus sheath
腹外斜肌及其腱膜(切断)
External abdominal oblique aponeurosis and muscle(cut)
腹内斜肌及其腱膜(切断)
Internal abdominal oblique aponeurosis and muscle(cut)
腹横肌及其腱膜(切断)
Transversus abdominis aponeurosis and muscle(cut)
弓状线 Arcuate line
腹横筋膜 Transversalis fascia
腹壁下血管(穿腹横筋膜)
Inferior epigastric vessels (passing through transversalis fascia)
腹股沟深环
Deep inguinal ring
腹直肌(切断)
Rectus abdominis muscle(cut)
精索内筋膜
Internal spermatic fascia
提睾肌(切断)
Cremaster muscle(cut)
精索外筋膜(切断)
External spermatic fascia(cut)
阴囊的皮肤、肉膜和筋膜(切断)
Skin and dartos muscle and fascia(cut)

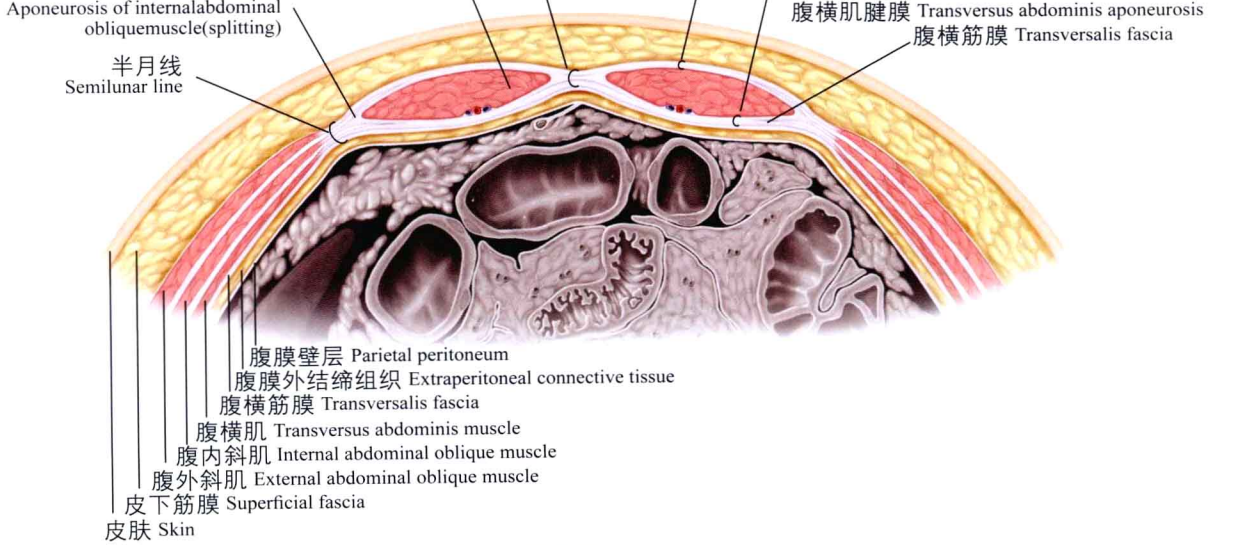
A.定位 Orientation



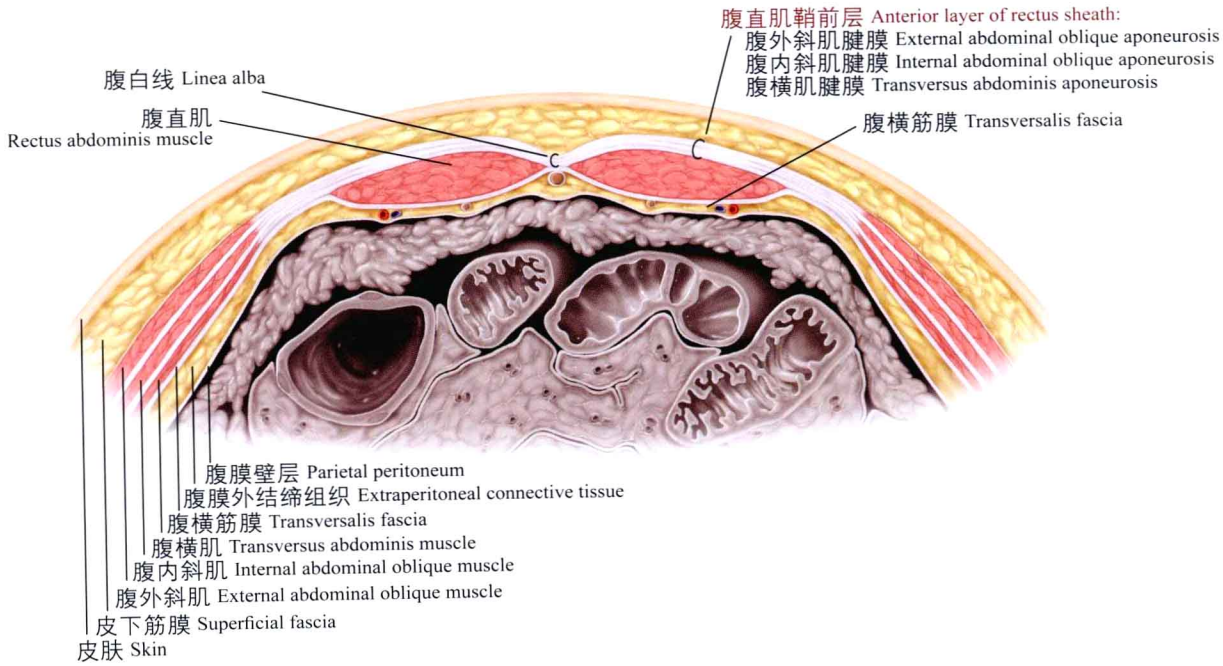
截面B的平面 Plane of section B

截面C的平面 Plane of section C

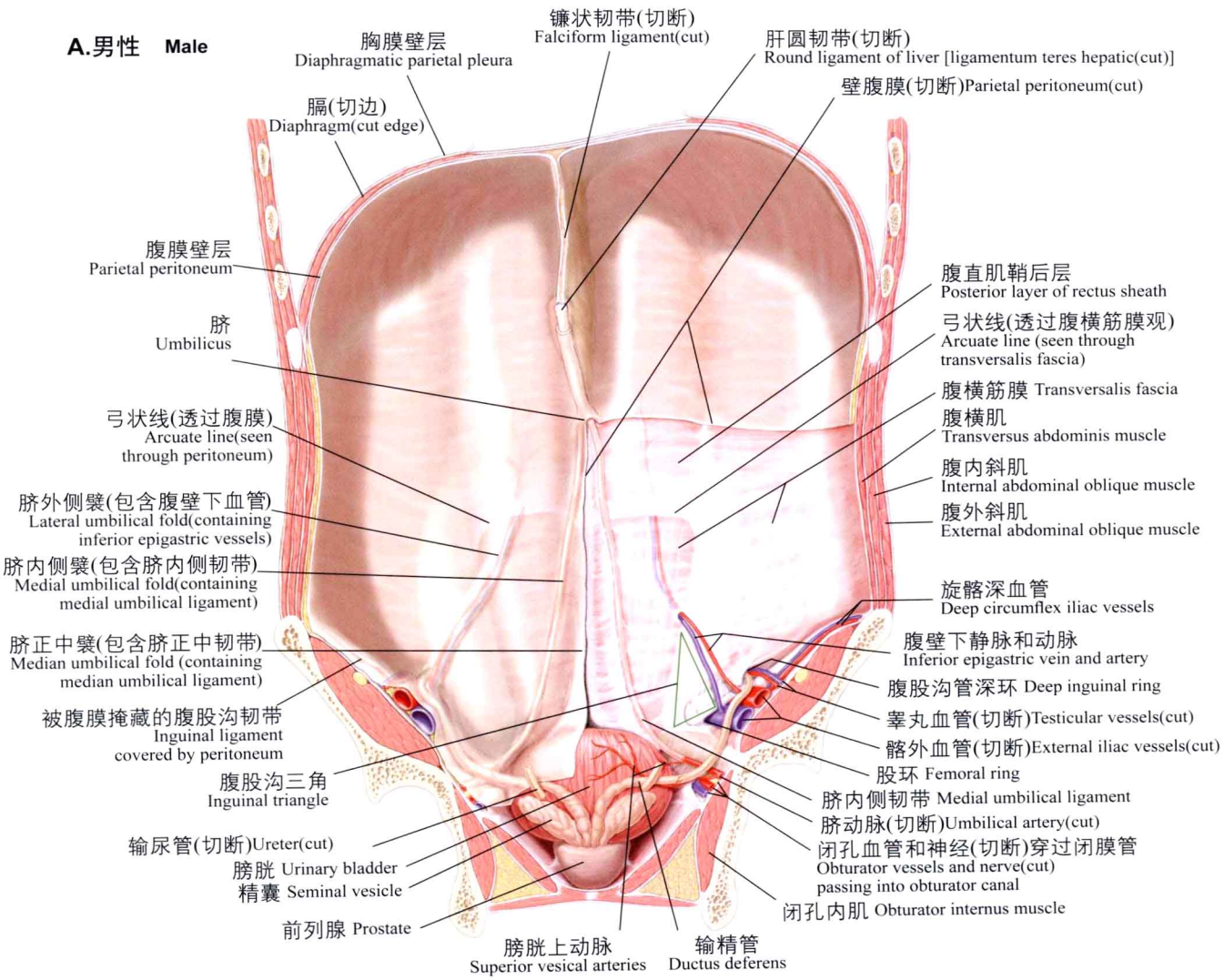
B.弓状线上方横断面 Cross section superior to arcuate line



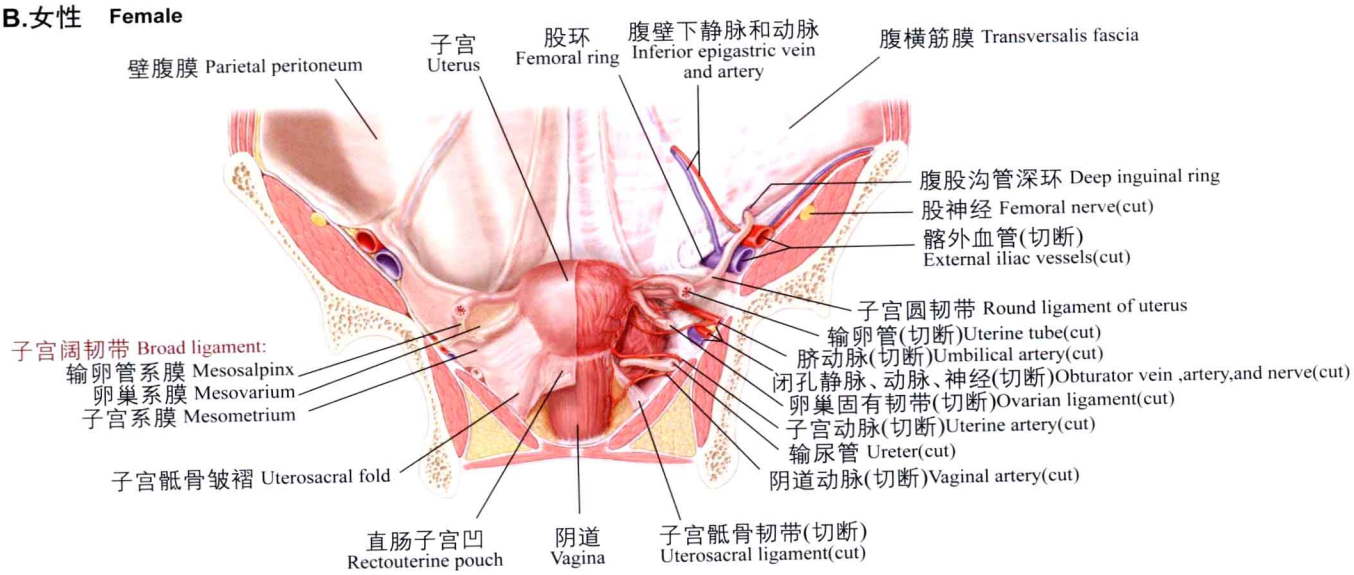
C.弓状线下方横断面 Cross section inferior to arcuate line



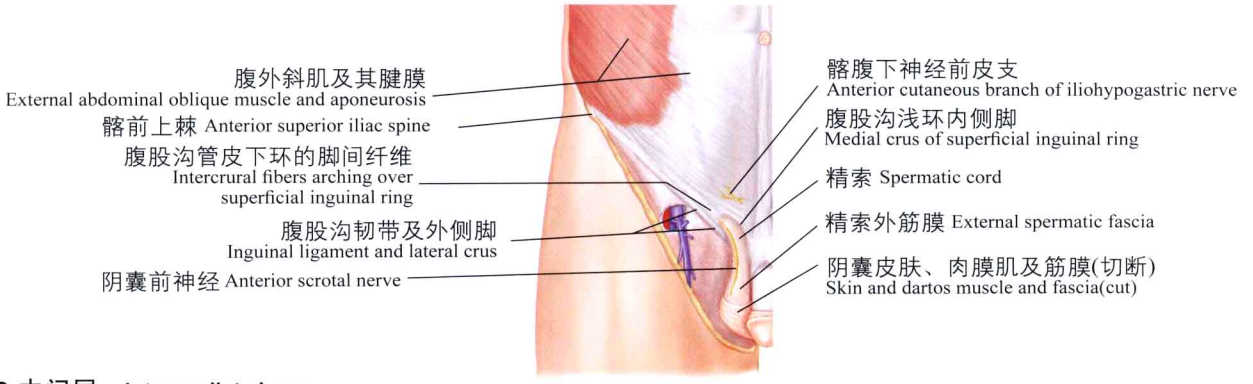
A.男性 Male



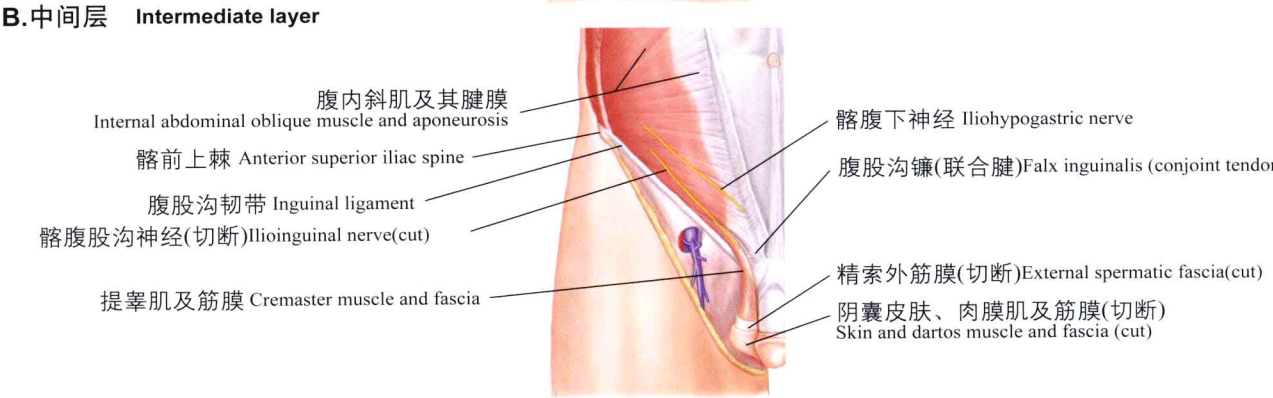
B.女性 Female



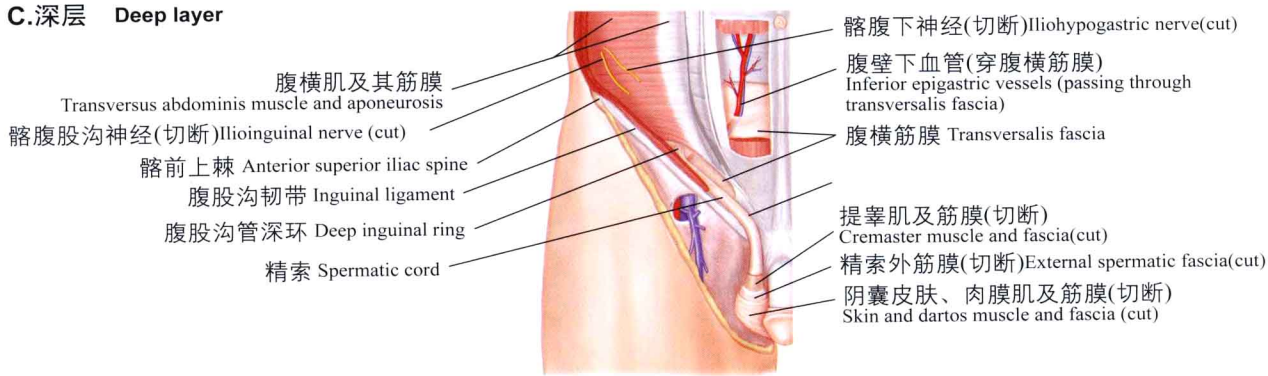
A.浅层 Superficial layer



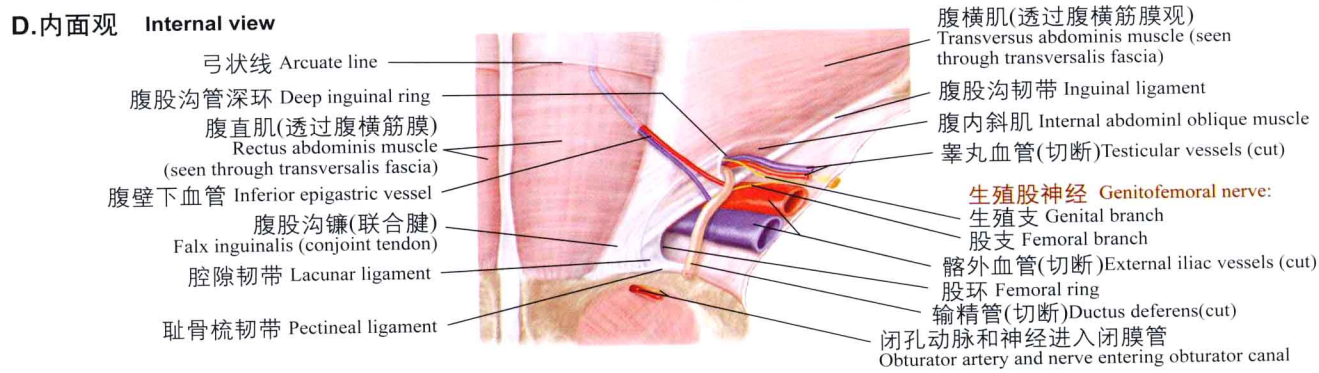
B.中间层 Intermediate layer



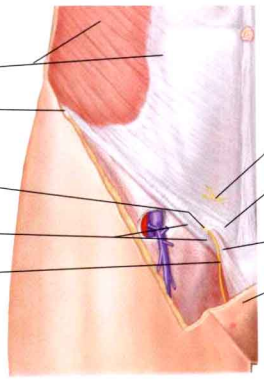
C.深层 Deep layer



D.内面观 Internal view

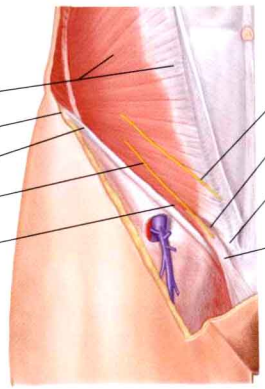


A.浅层 Superficial layer



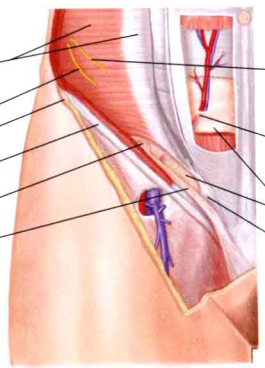
腹外斜肌及其腱膜
External abdominal oblique muscle and aponeurosis
髂前上棘 Anterior superior iliac spine
腹股沟管皮下环之上的脚间纤维
Intercrural fibers arching over superficial inguinal ring
腹股沟韧带和腹股沟管皮下环外侧脚
Inguinal ligament and lateral crus of superficial inguinal ring
阴唇前神经 Anterior labial nerve
髂腹下神经前皮支
Anterior cutaneous branch of iliohypogastric nerve
腹股沟管皮下环内侧脚
Medial crus of superficial inguinal ring
子宫圆韧带 Round ligament of uterus
大阴唇皮肤、肉膜肌和筋膜
Skin and dartos muscle and fascia of labium majus

B.中间层 Intermediate layer



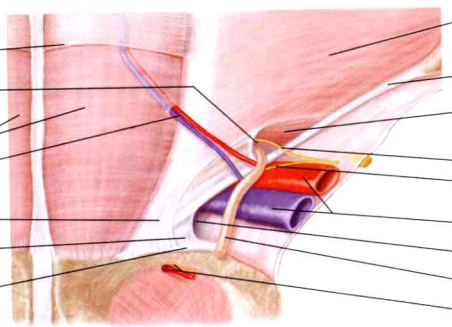
腹内斜肌及其腱膜
Internal abdominal oblique muscle and aponeurosis
髂前上棘 Anterior superior iliac spine
腹股沟韧带 Inguinal ligament
髂腹股沟神经(切断)Ilioinguinal nerve(cut)*
提睾肌及其筋膜 Cremaster muscle and fascia
*髂腹股沟神经与生殖股神经共干占35%
Ilioinguinal nerve unites with genitofemoral nerve in 35% of cases
髂腹下神经 Iliohypogastric nerve
腹横筋膜 Transversalis fascia
腹股沟镰(联合腱)
Falx inguinalis (conjoint tendon)
子宫圆韧带 Round ligament of uterus

C.深层 Deep layer



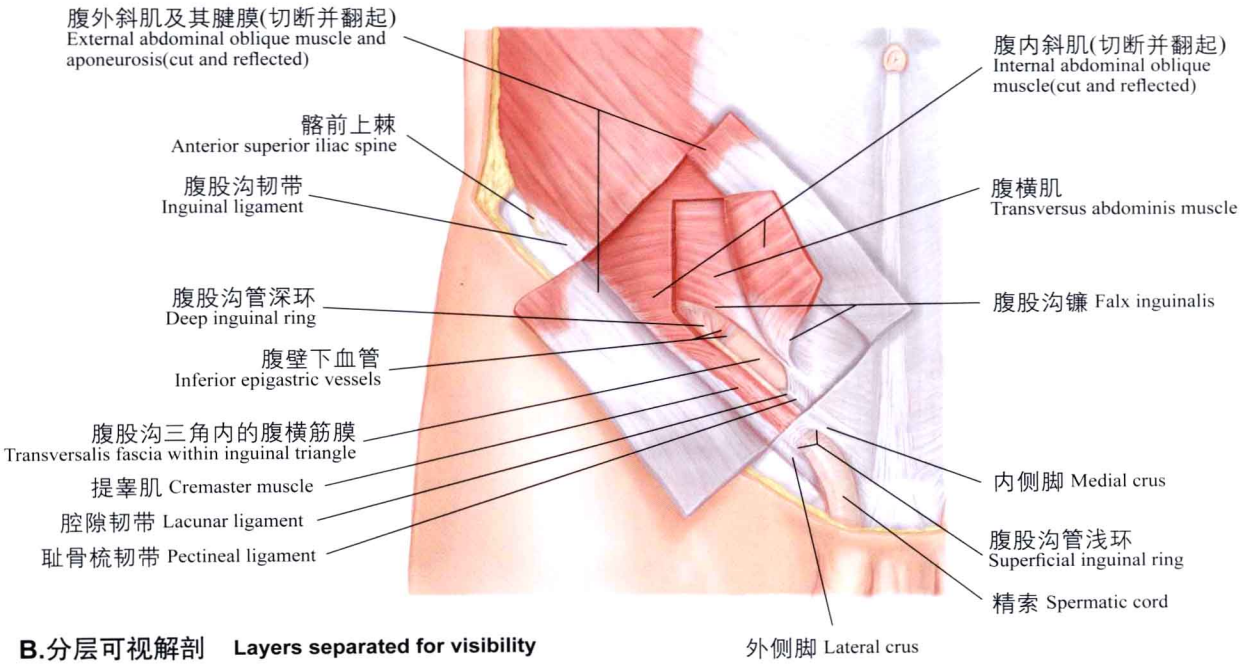
腹横肌及腱膜
Transversus abdominis muscle and aponeurosis
髂腹股沟神经(切断) Ilioinguinal nerve(cut)
髂前上棘 Anterior superior iliac spine
腹股沟韧带 Inguinal ligament
腹股沟管深环 Deep inguinal ring
子宫圆韧带 Round ligament of the uterus
髂腹下神经(切断) Iliohypogastric nerve(cut)
腹壁下血管(穿腹横筋膜观)
Inferior epigastric vessels(passing through transversalis fascia)
腹横筋膜 Transversalis fascia
腹股沟镰(联合腱)
Falx inguinalis (conjoint tendon)

D.内面观 Internal view

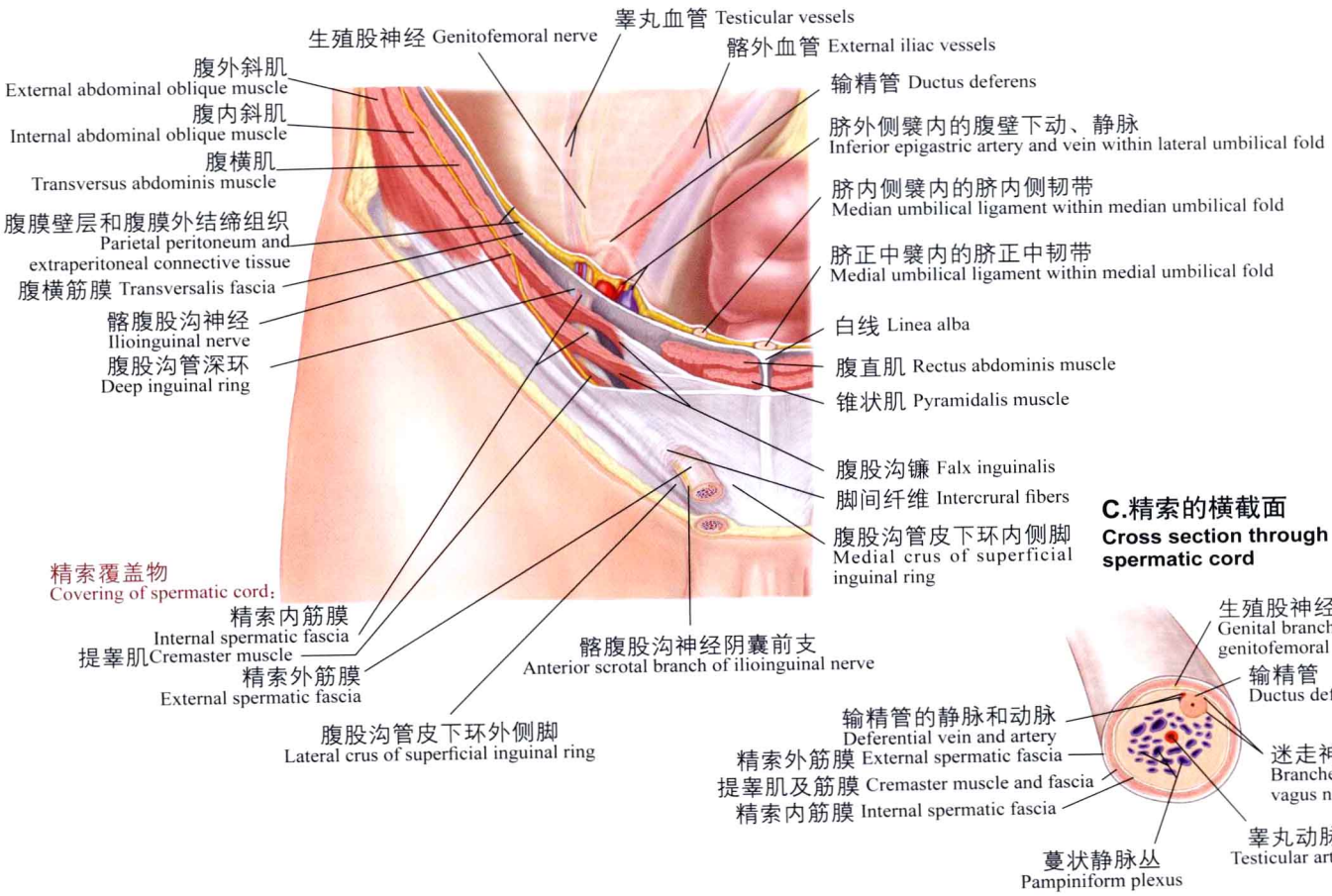


弓状线 Arcuate line
腹股沟管深环 Deep inguinal ring
腹直肌(透过腹横筋膜观)
Rectus abdominis muscle
(seen through transversalis fascia)
腹壁下血管 Inferior epigastric vessels
腹股沟镰(联合腱)
Falx inguinalis (conjoint tendon)
腔隙韧带 Lacunar ligament
耻骨梳韧带 Pectineal ligament
腹横肌(透过腹横筋膜观)
Transversus abdominis muscle
(seen through transversalis fascia)
腹股沟韧带 Inguinal ligament
腹内斜肌
Internal abdominal oblique muscle
生殖股神经 Genitofemoral nerve:
生殖支 Genital branch
股支 Femoral branch
髂外血管(切断)
External iliac vessels(cut)
股环 Femoral ring
子宫圆韧带(切断)
Round ligament of uterus(cut)
闭孔动脉和神经穿过闭膜管
Obturator artery and nerve entering obturator canal

A.剖面 Dissection

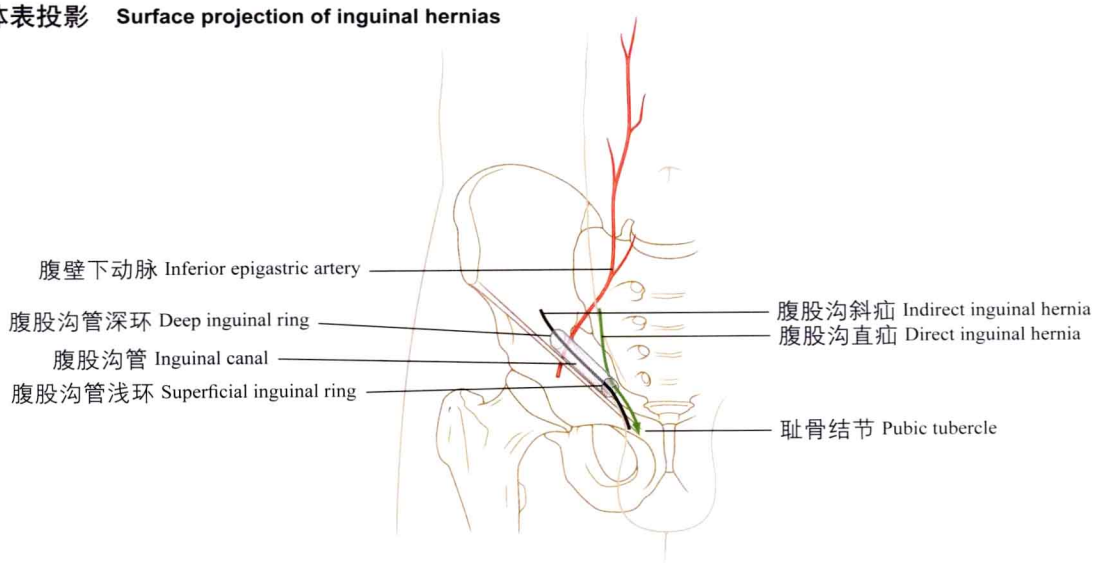


B.分层可视解剖 Layers separated for visibility

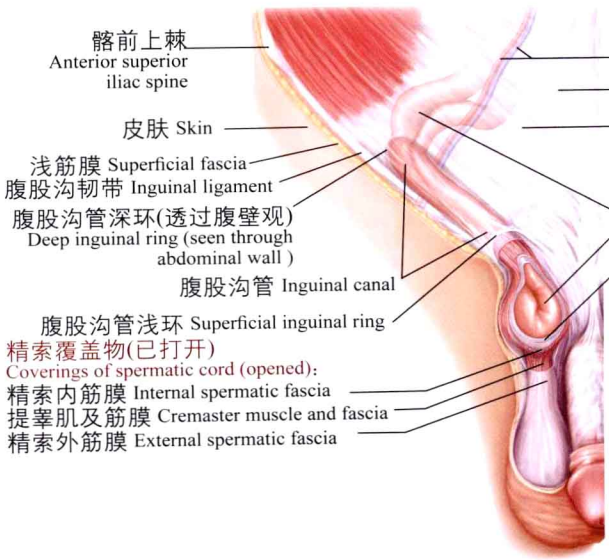


C.精索的横截面 Cross section through spermatic cord

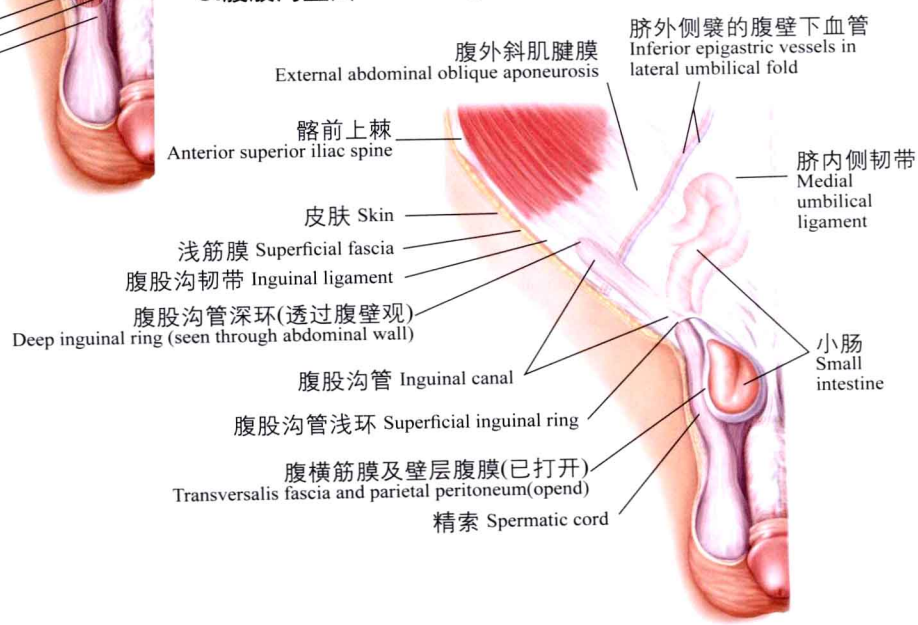
A.腹股沟疝的体表投影 Surface projection of inguinal hernias



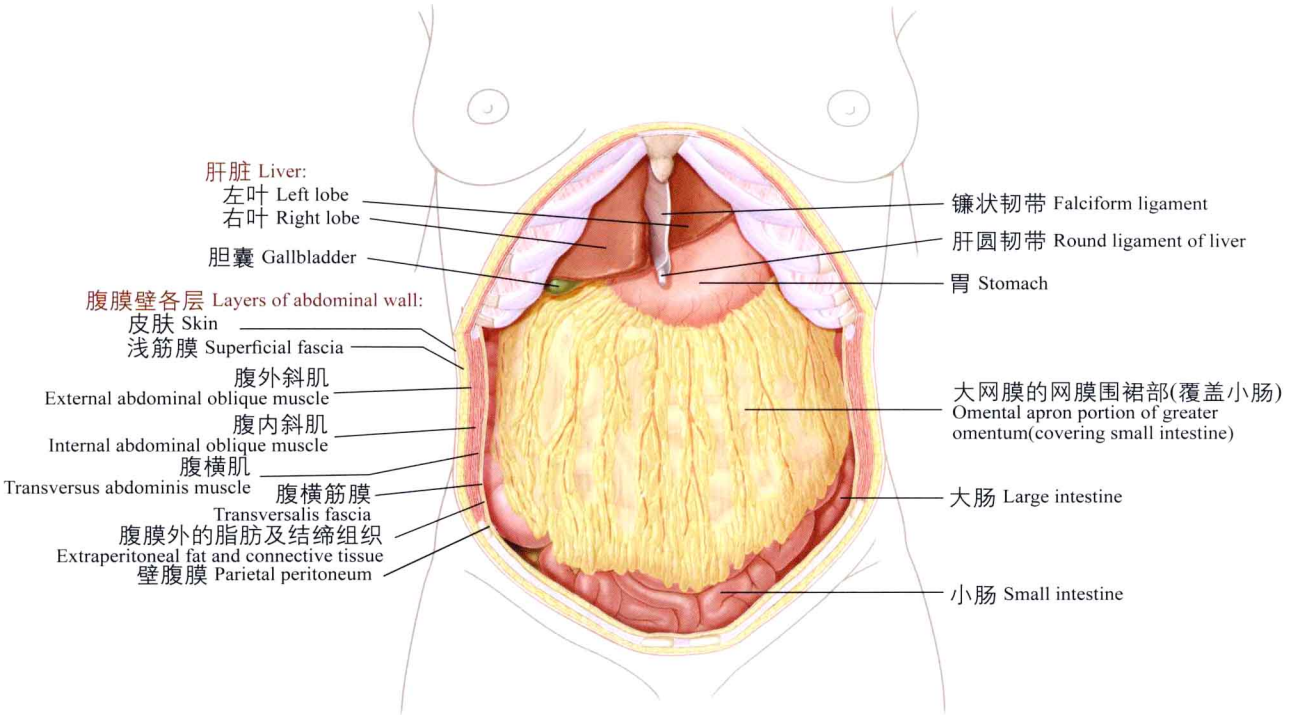
B.腹股沟斜疝 Indirect inguinal hernia



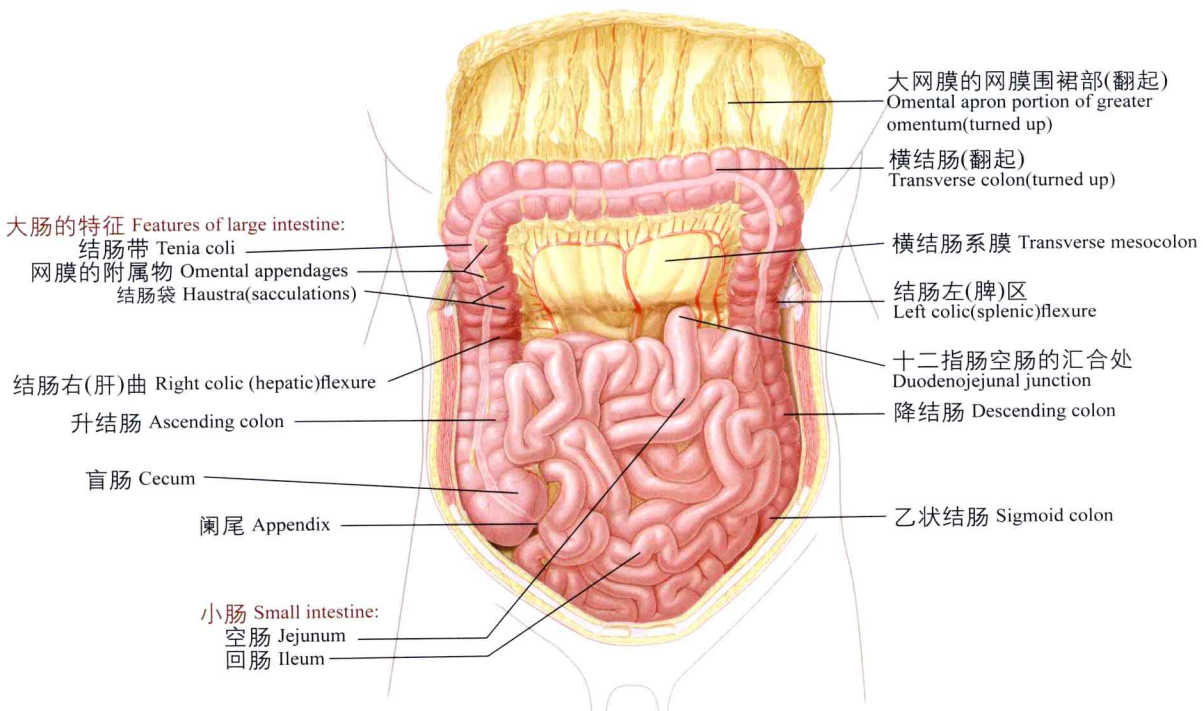
C.腹股沟直疝 Direct inguinal hernia

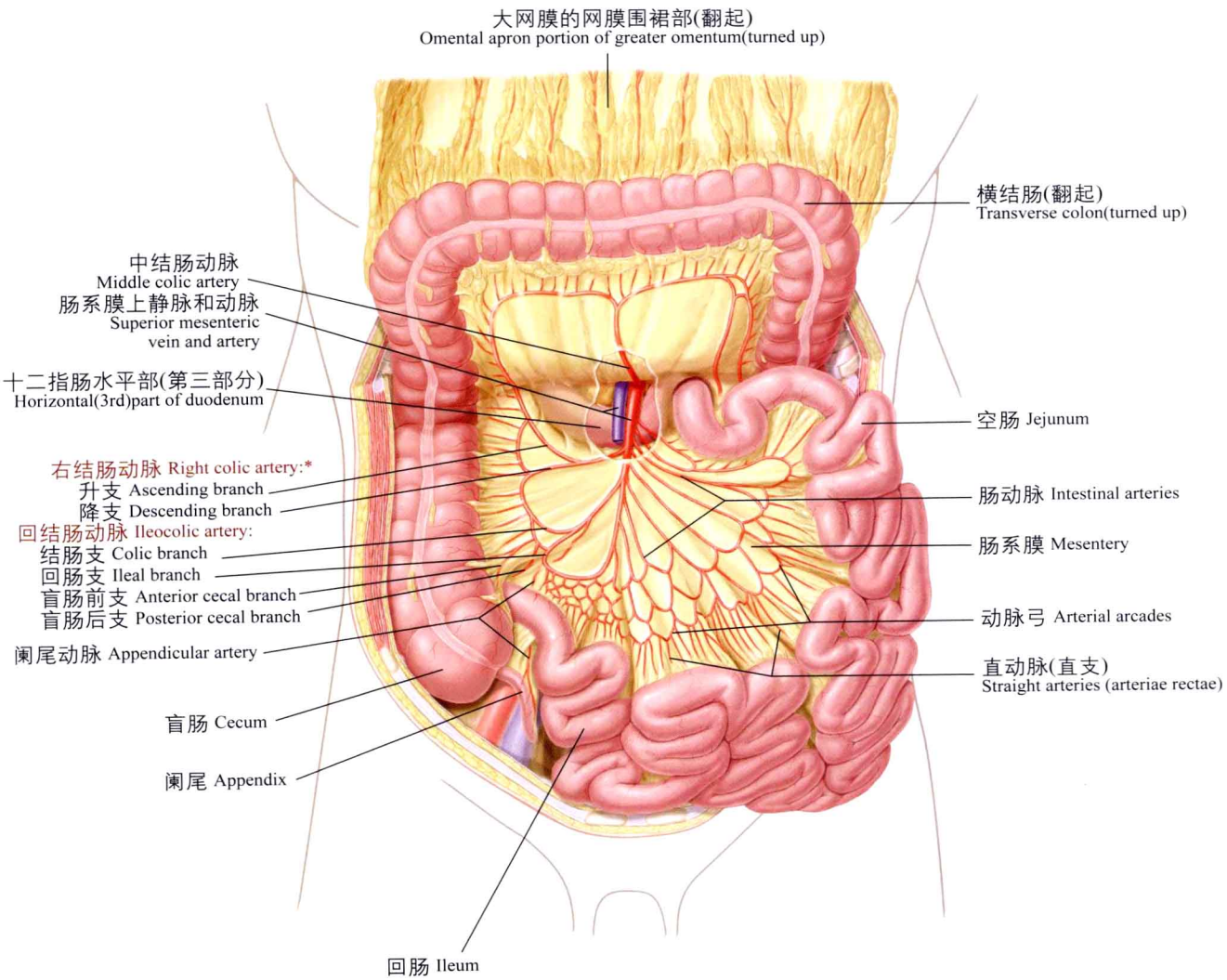


A.大网膜 Greater omentum



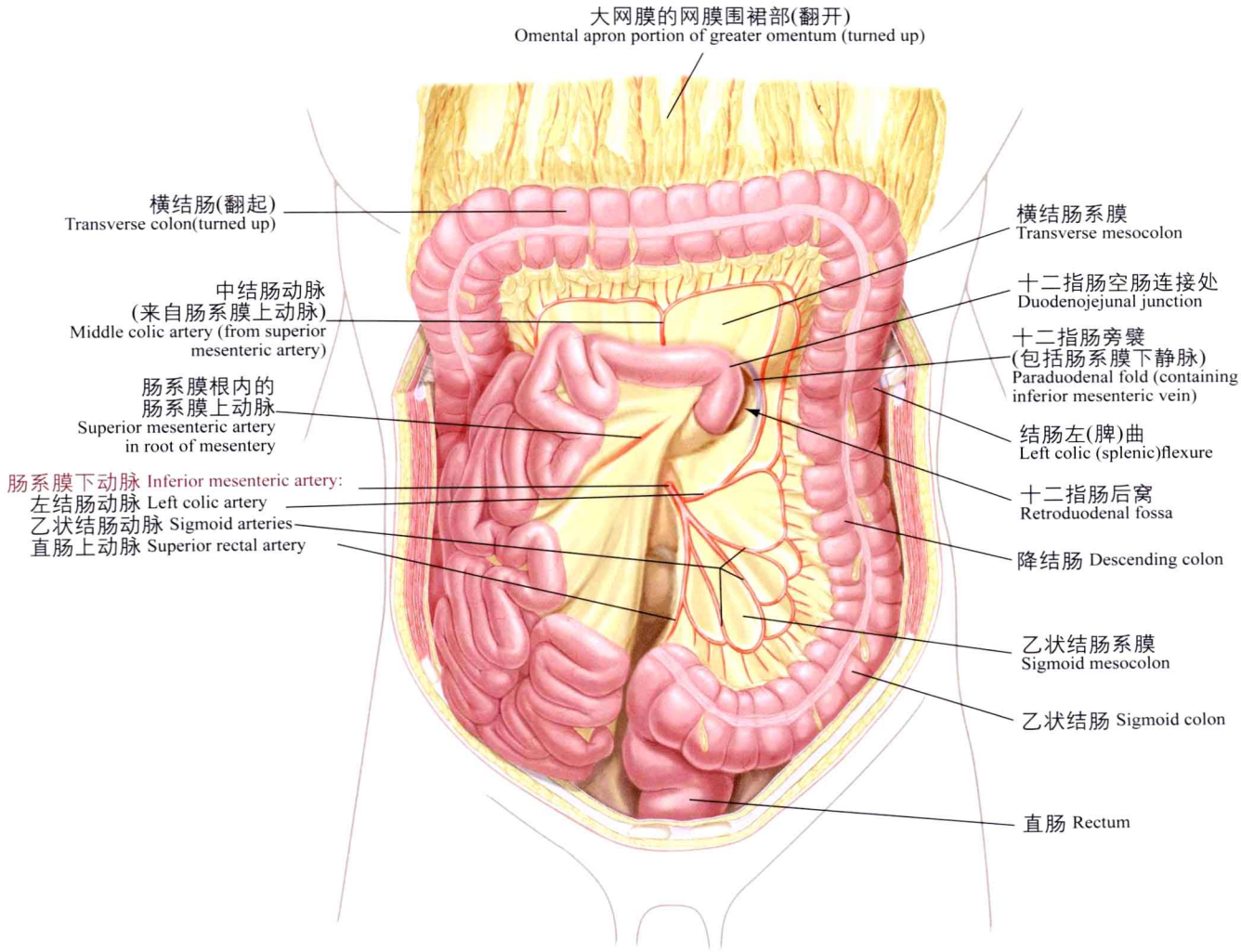
B.大肠和小肠 Large and small intestines



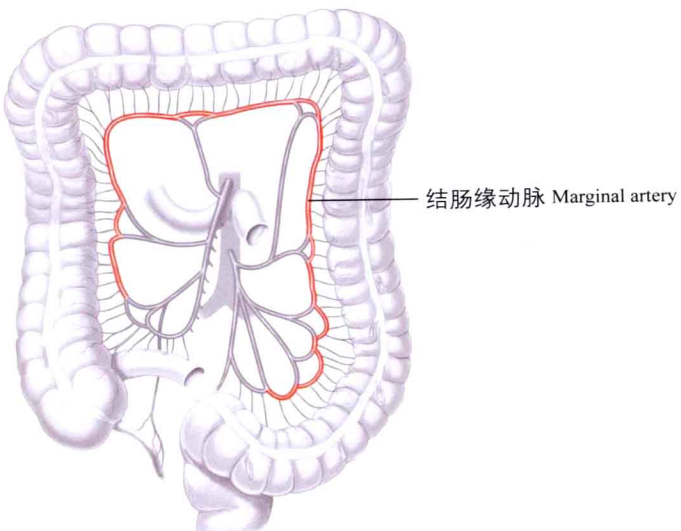


右结肠动脉13%缺如，有50%案例来自回结肠动脉或中结肠动脉
*Right colic artery in absent in about 13% of cases and arises from either the ileocolic artery or middle colic artery in 50% of cases

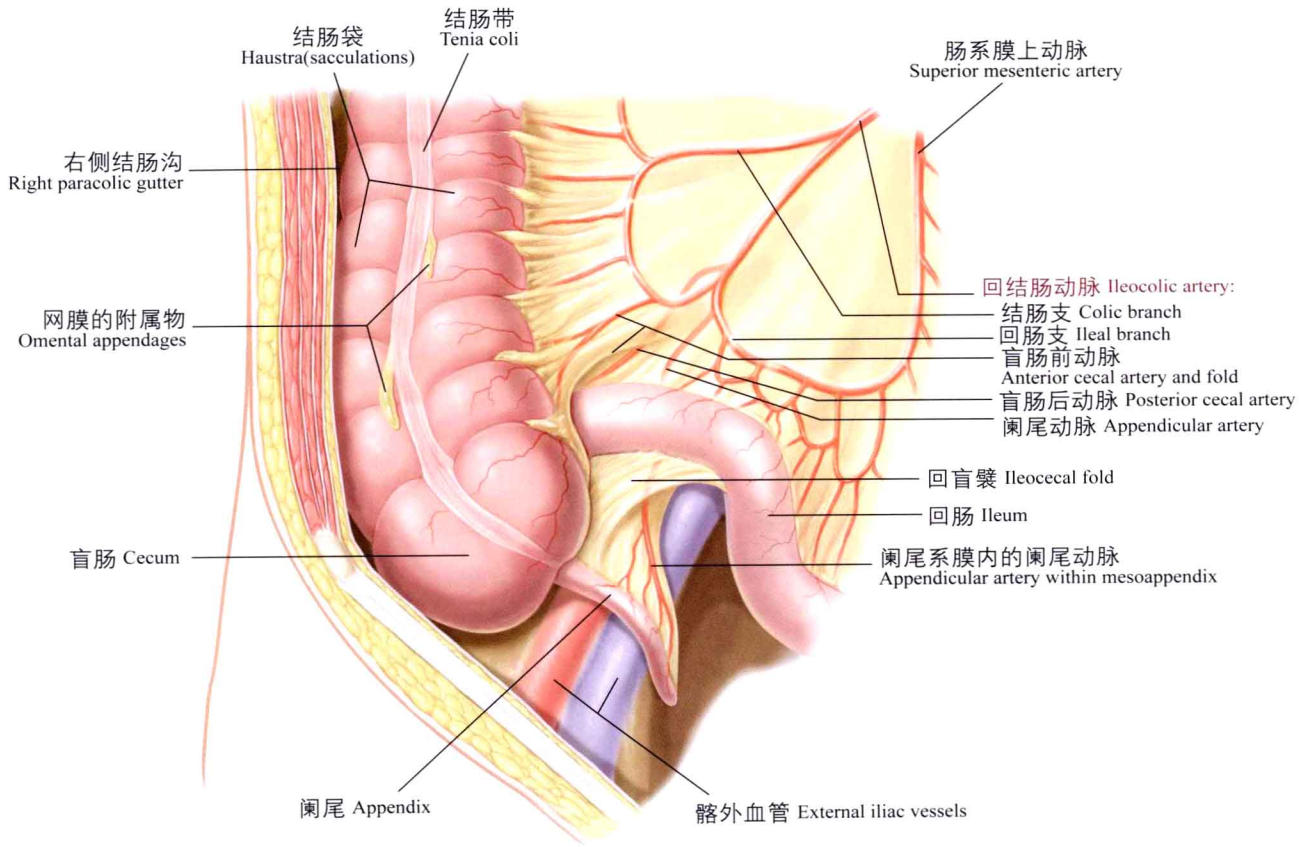
A.解剖 Dissection



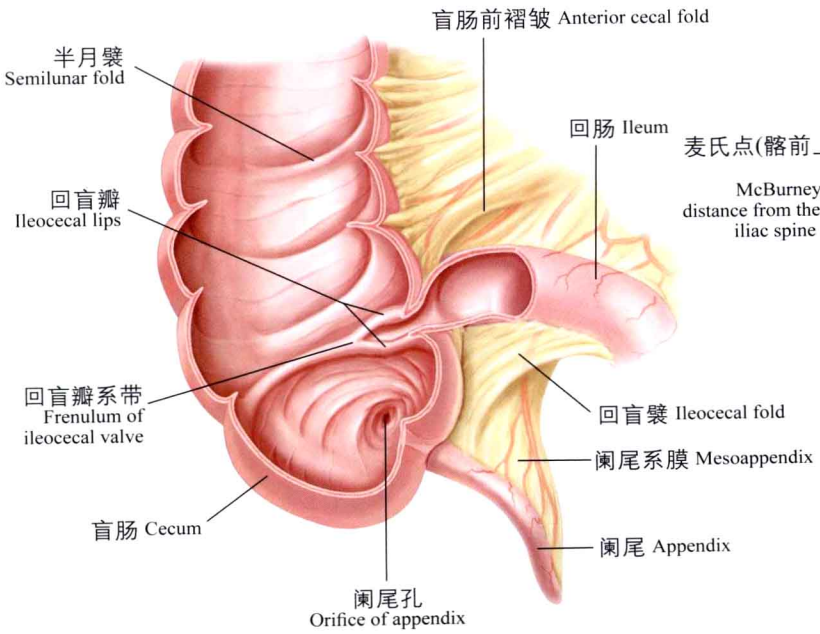
B.结肠缘动脉 Marginal artery



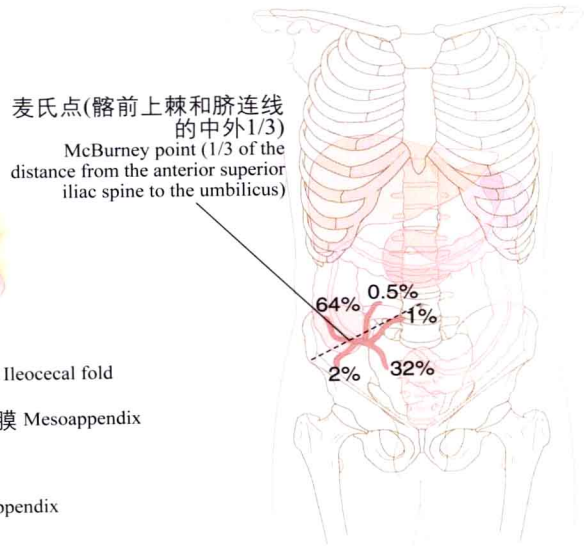
A.解剖 Dissection



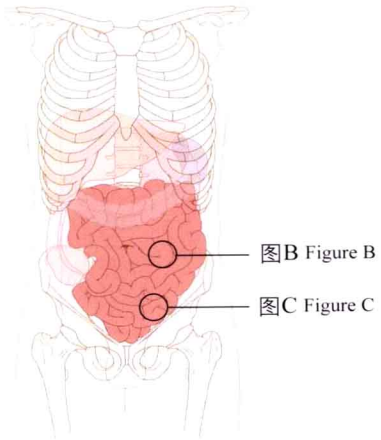
B.回盲瓣 Ileocecal valve



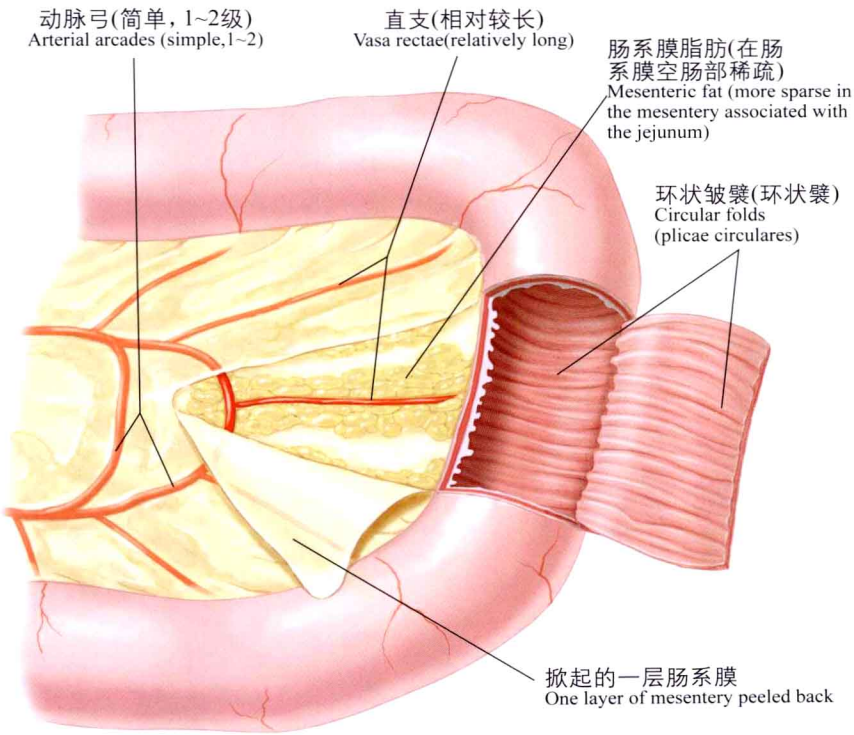
C.阑尾位置 C.Location of appendix



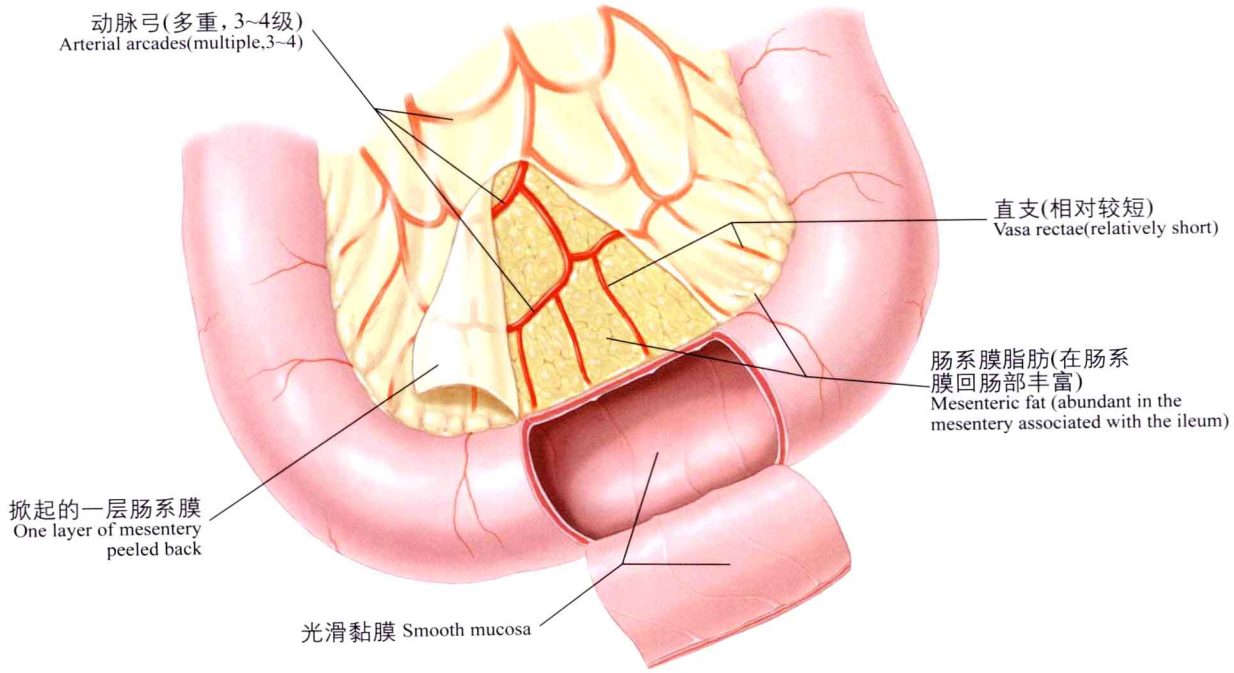
A.定位 Orientation



B.空肠 Jejunum



C.回肠 Ileum



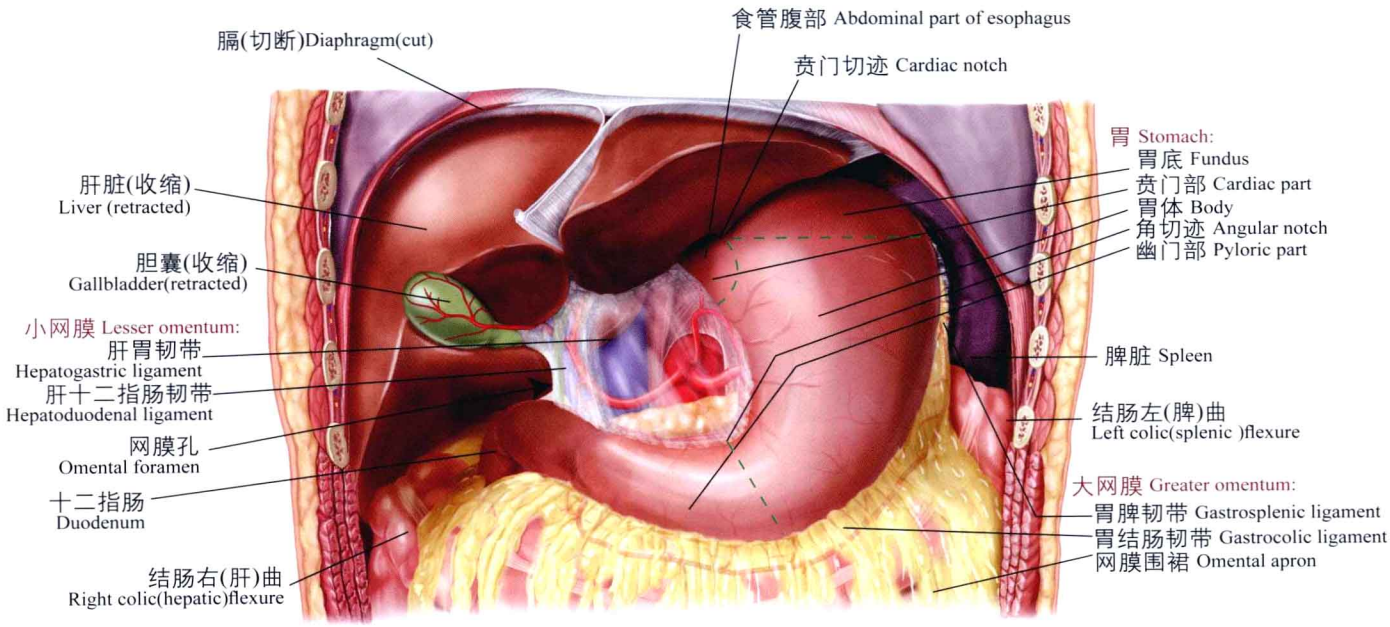
A.胃和小肠 Stomach and small intestine



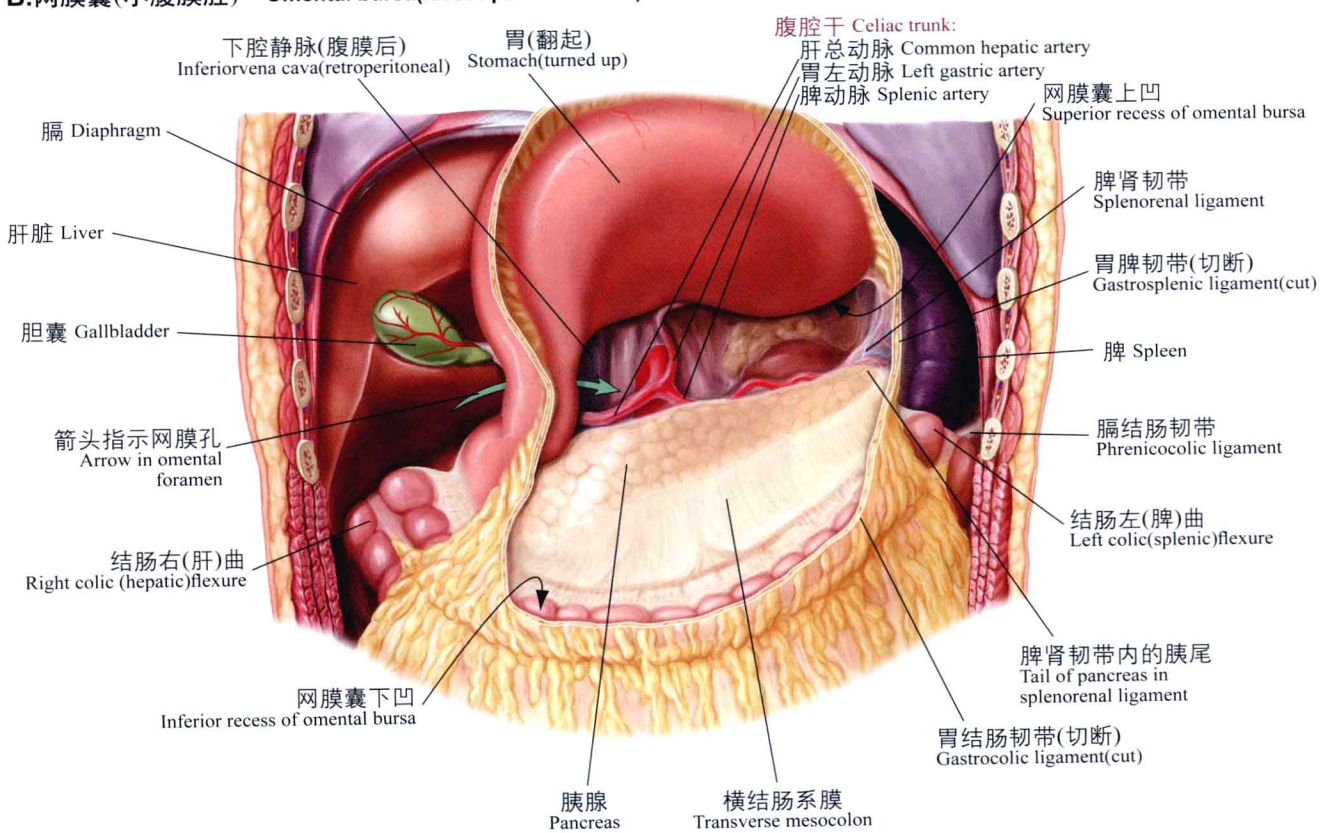
B.大肠 Large intestine



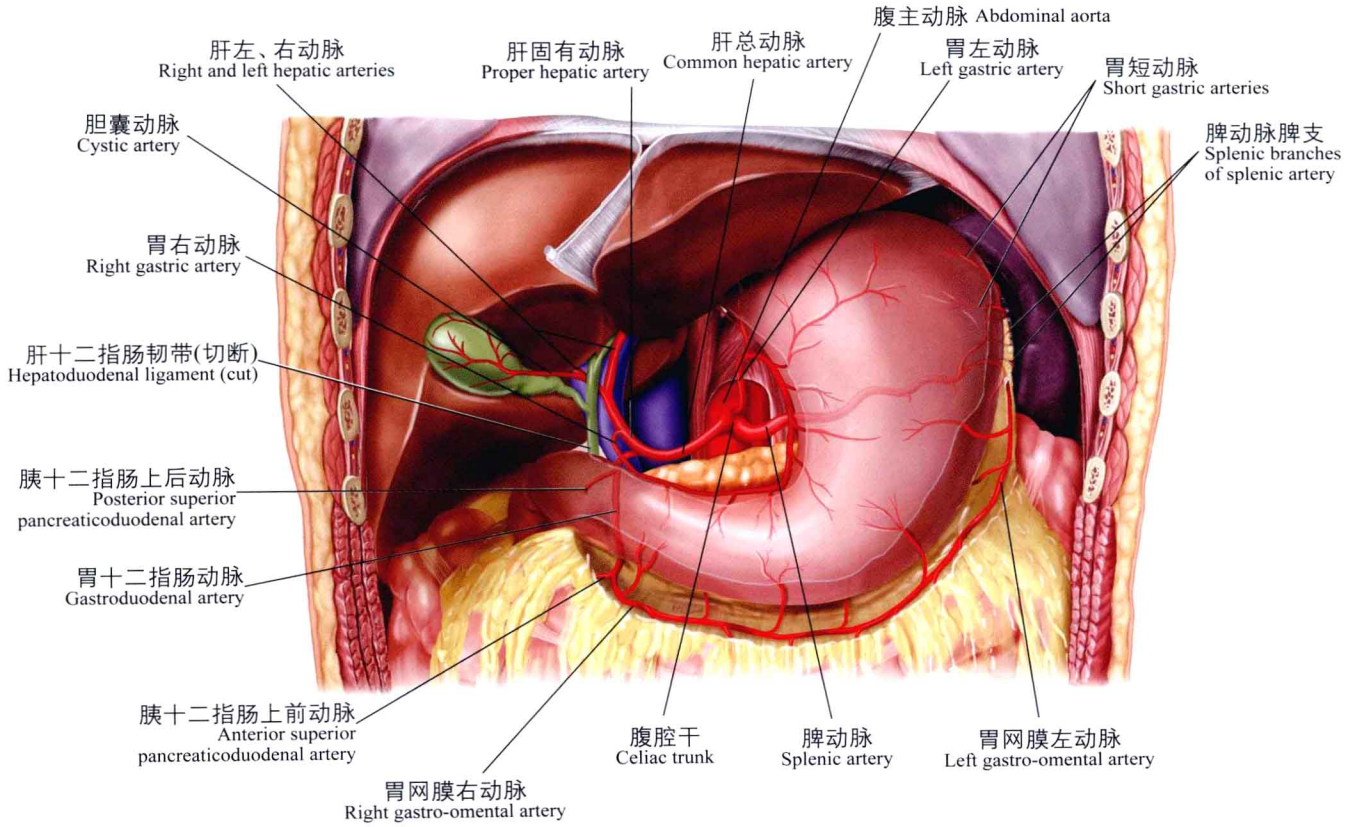
A.胃和小网膜部分 Parts of stomach and lesser omentum



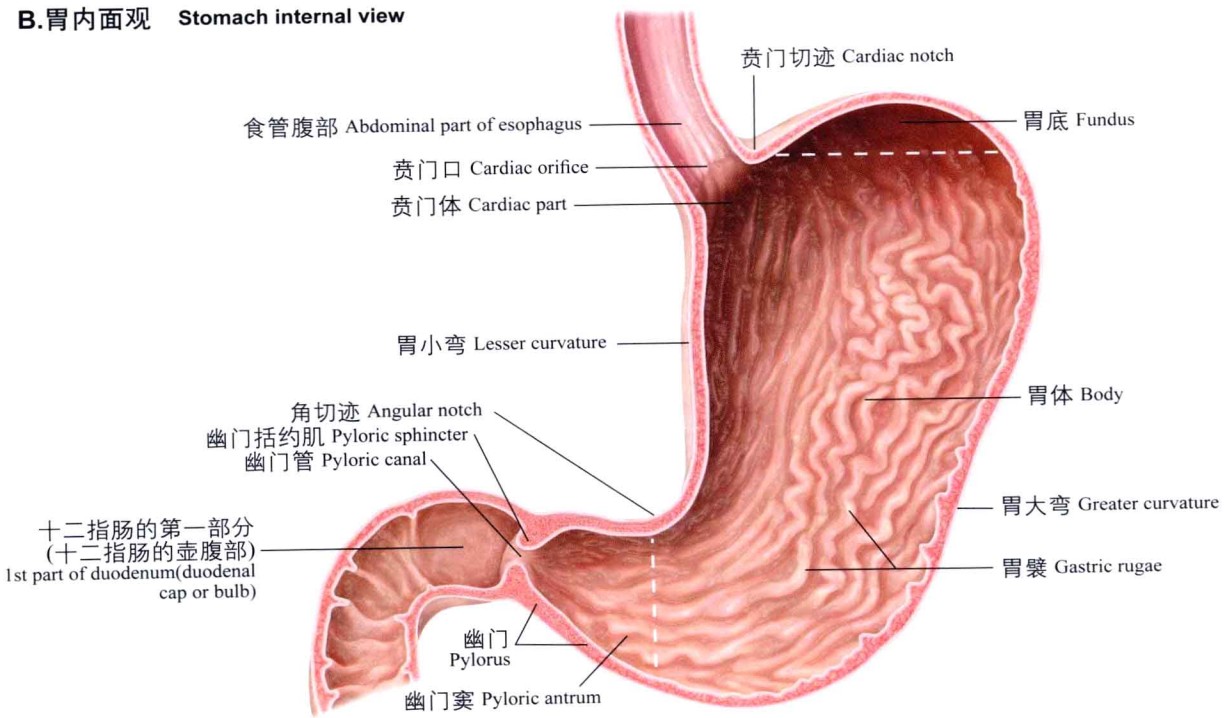
B.网膜囊(小腹膜腔) Omental bursa(lesser peritoneal sac)



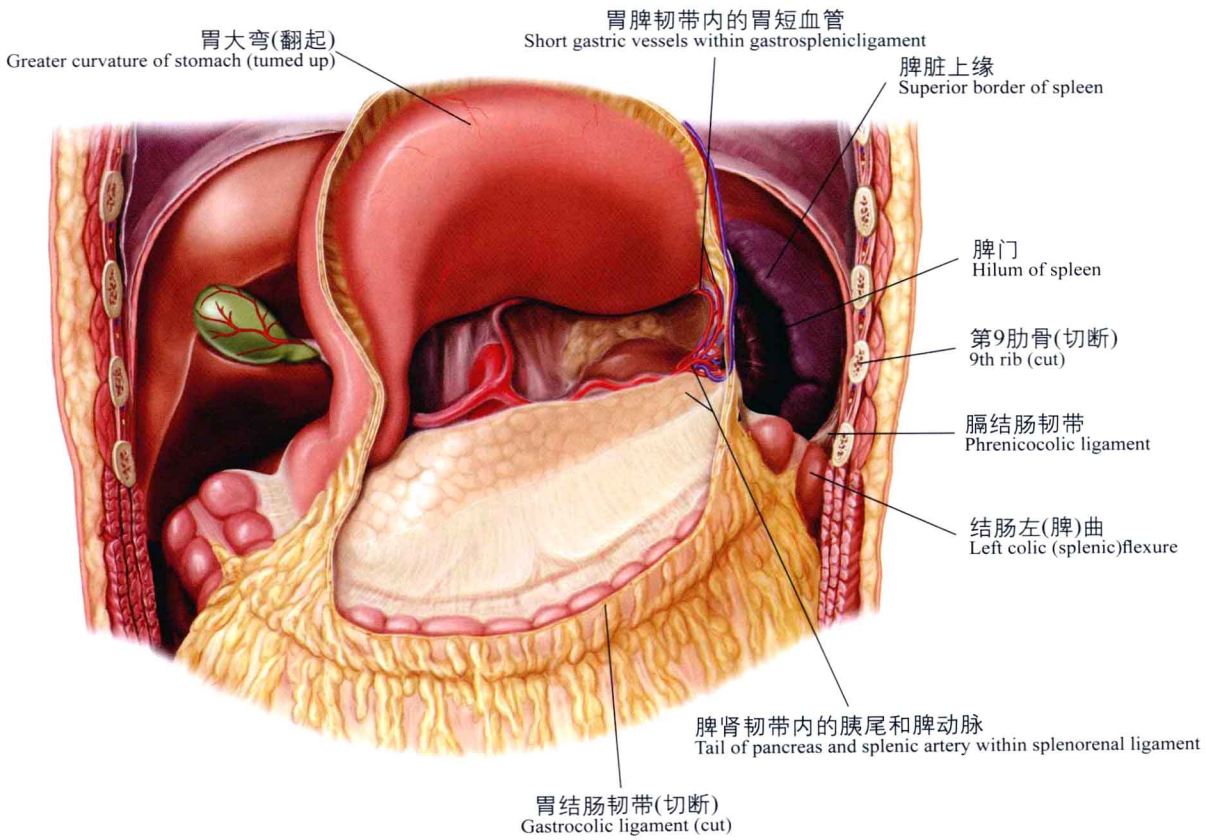
A.腹腔干 Celiac trunk



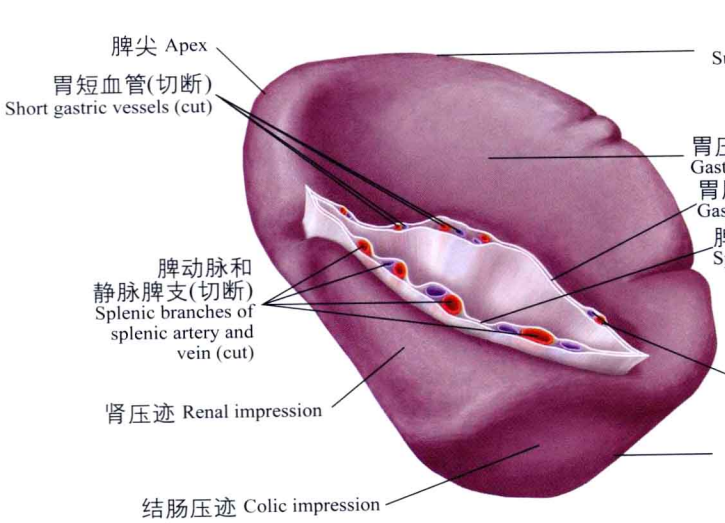
B.胃内面观 Stomach internal view



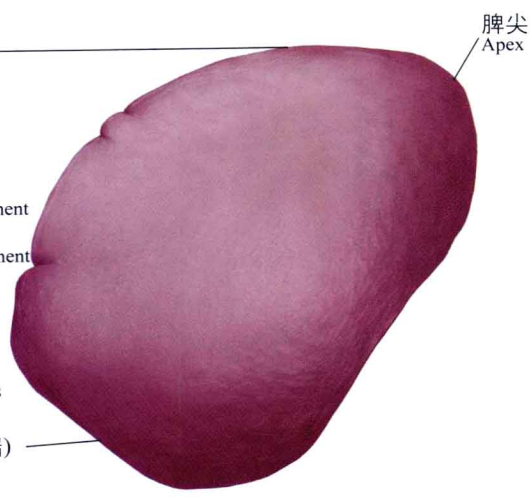
A.剖面 Dissection



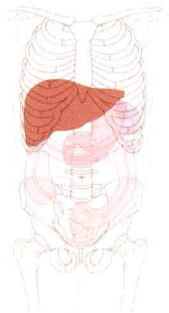
B.脏面 Visceral surface



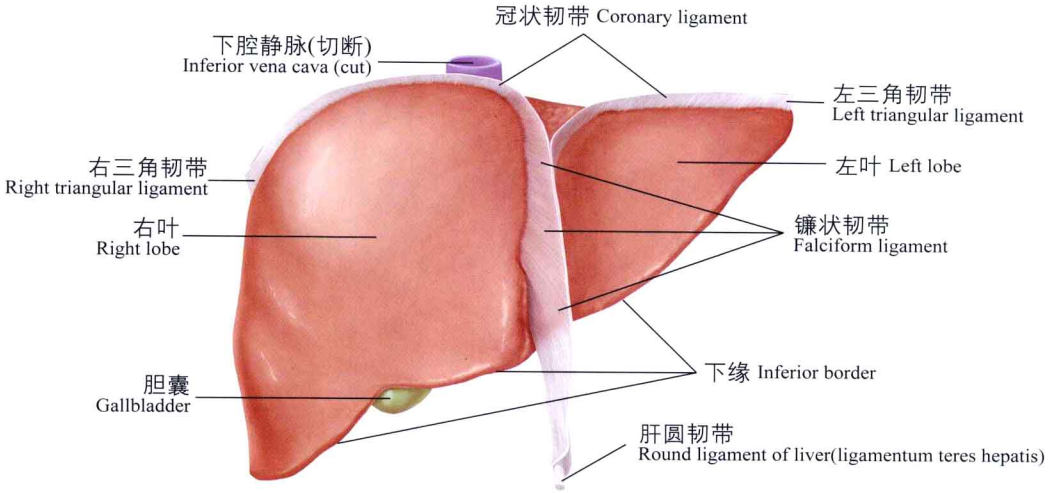
C.膈面 Diaphragmatic surface



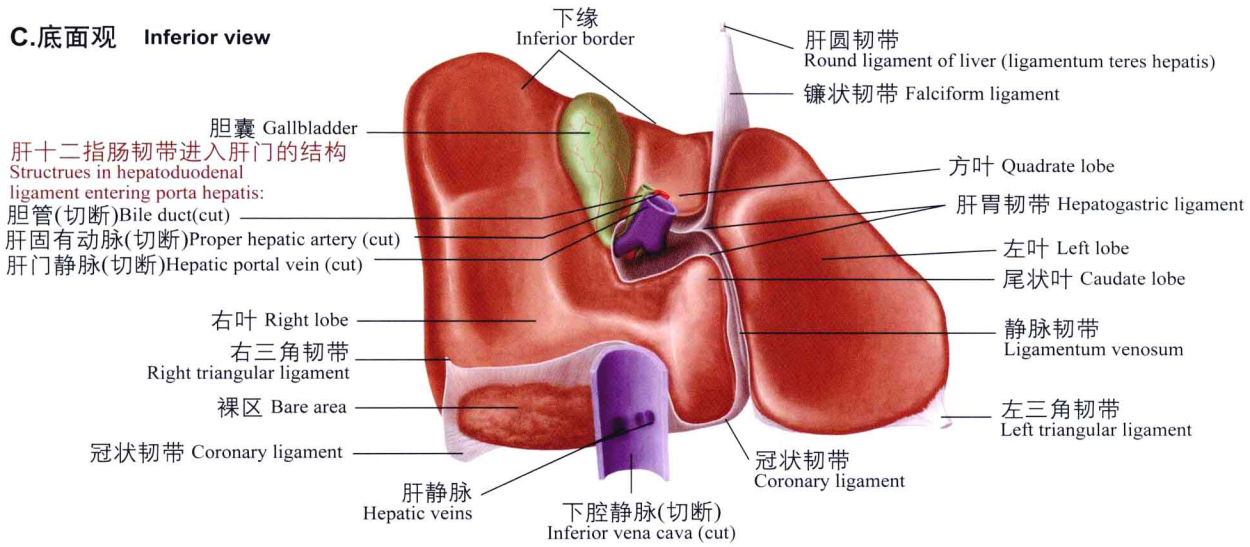
A.定位 Orientation



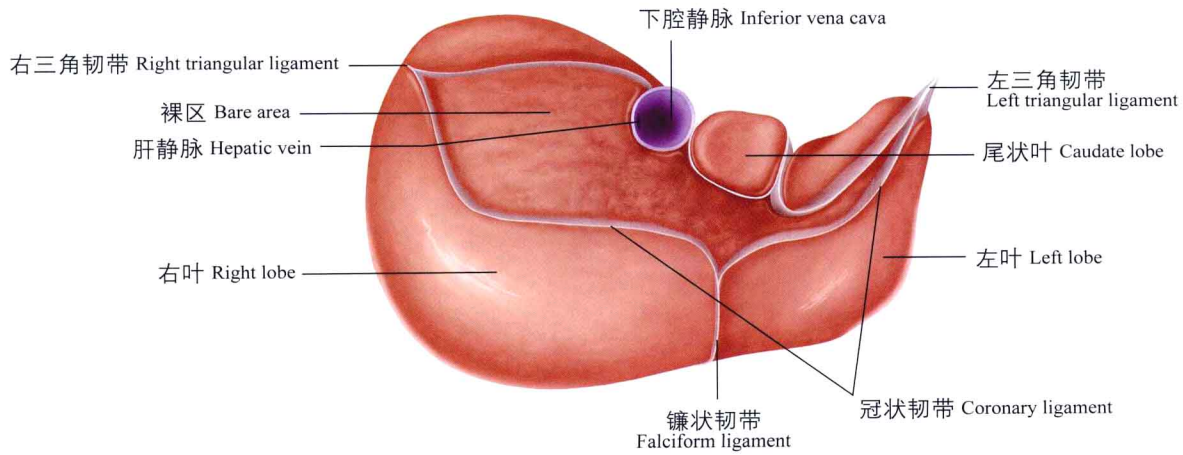
B.前面观 Anterior view



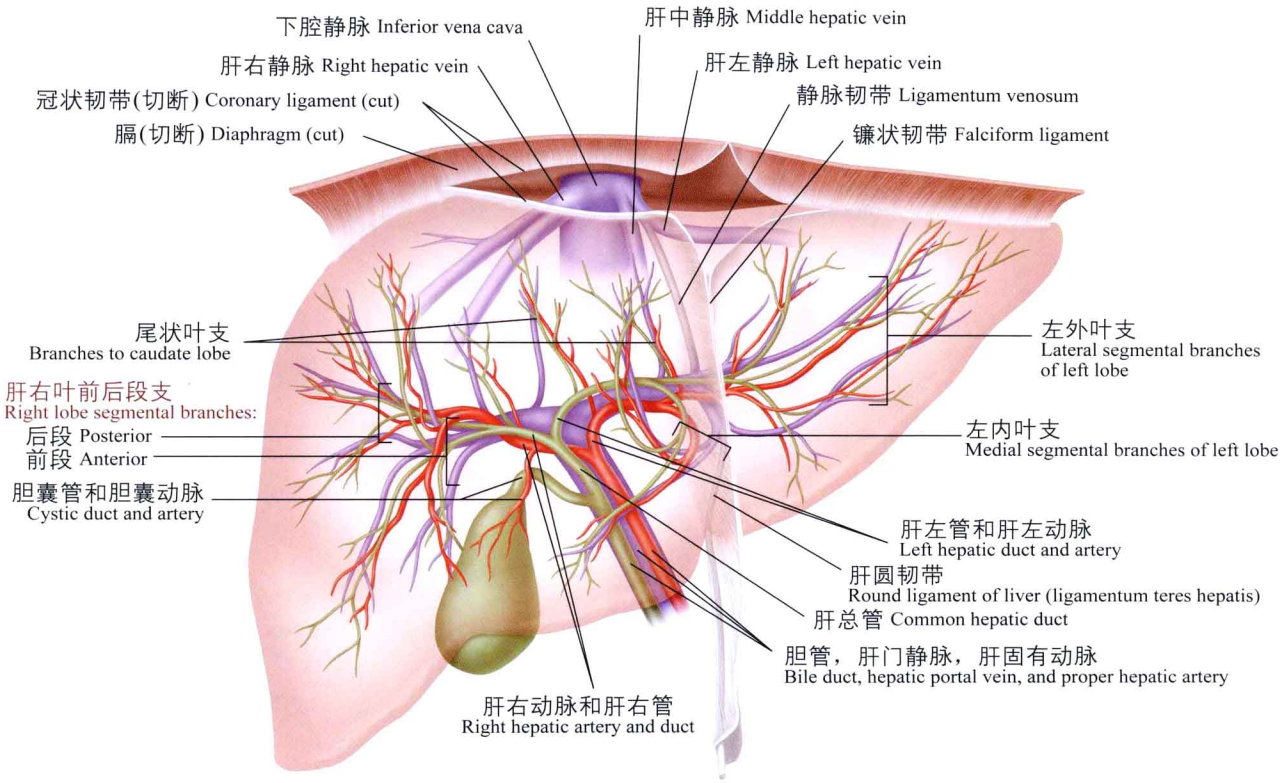
C.底面观 Inferior view



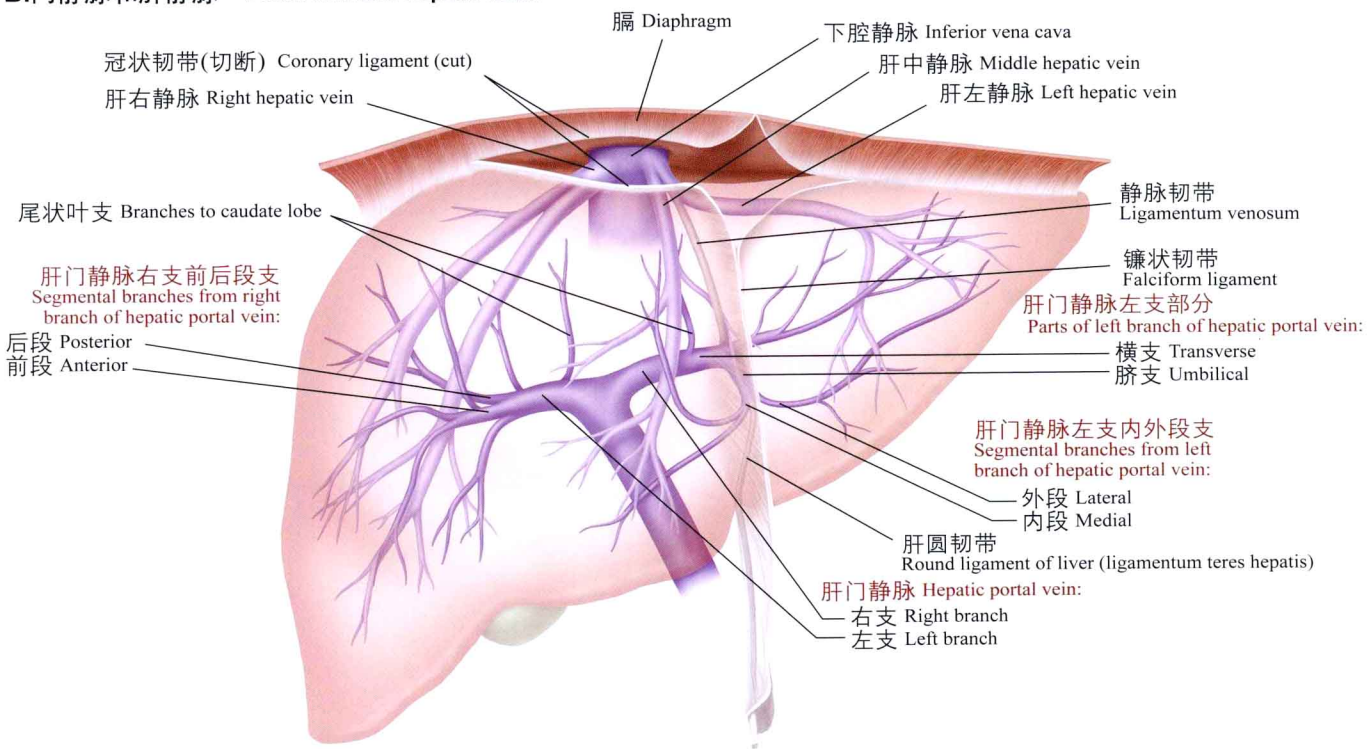
D.上面观 Superior view



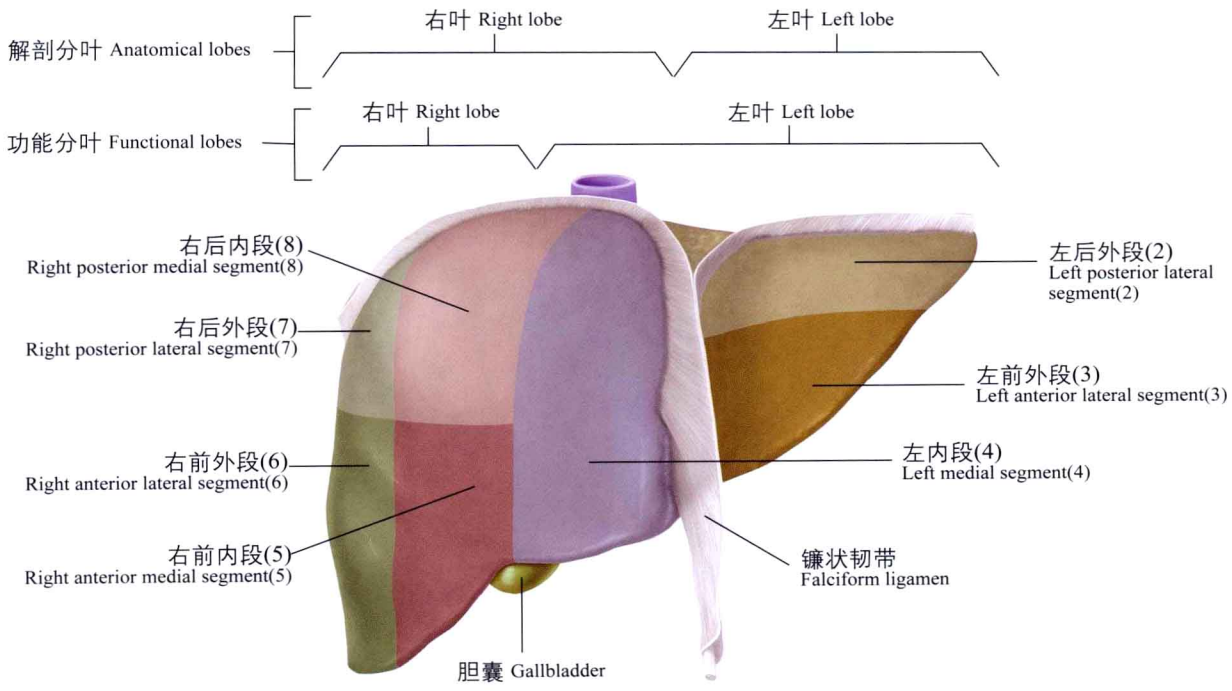
A.门静脉，肝动脉，胆管系统 Portal Vein, hepatic artery, and biliary duct system



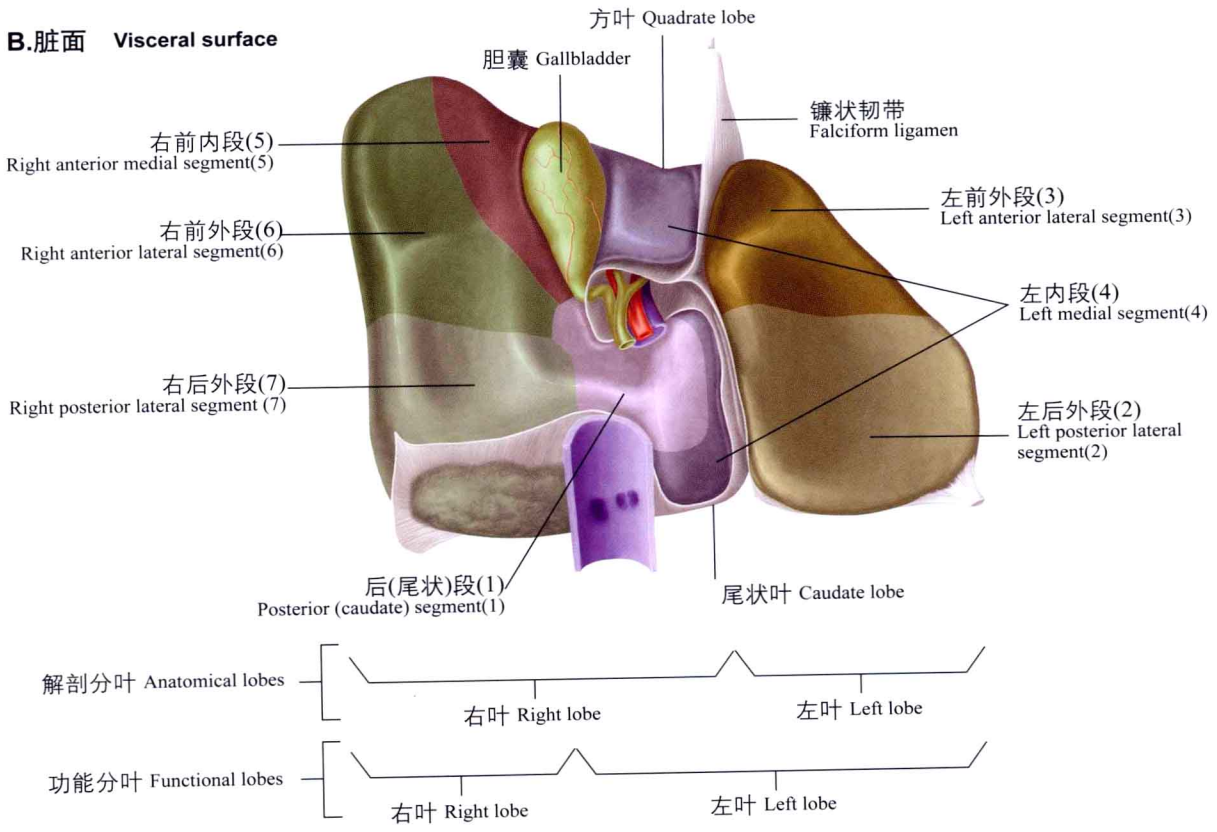
B.门静脉和肝静脉 Portal vein and hepatic veins



A.前面观 Anterior view



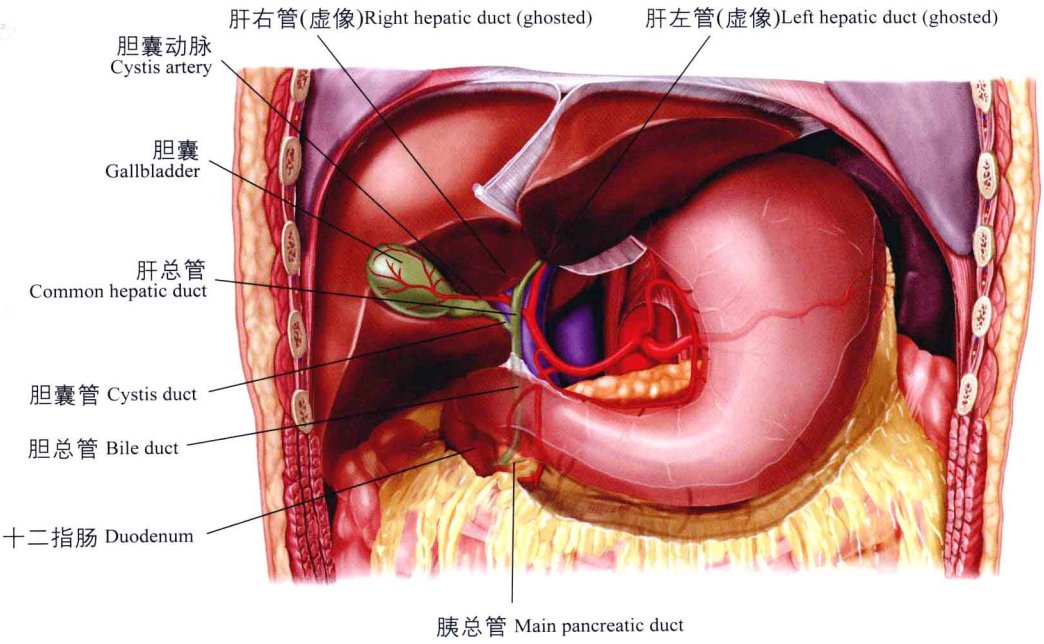
B.脏面 Visceral surface



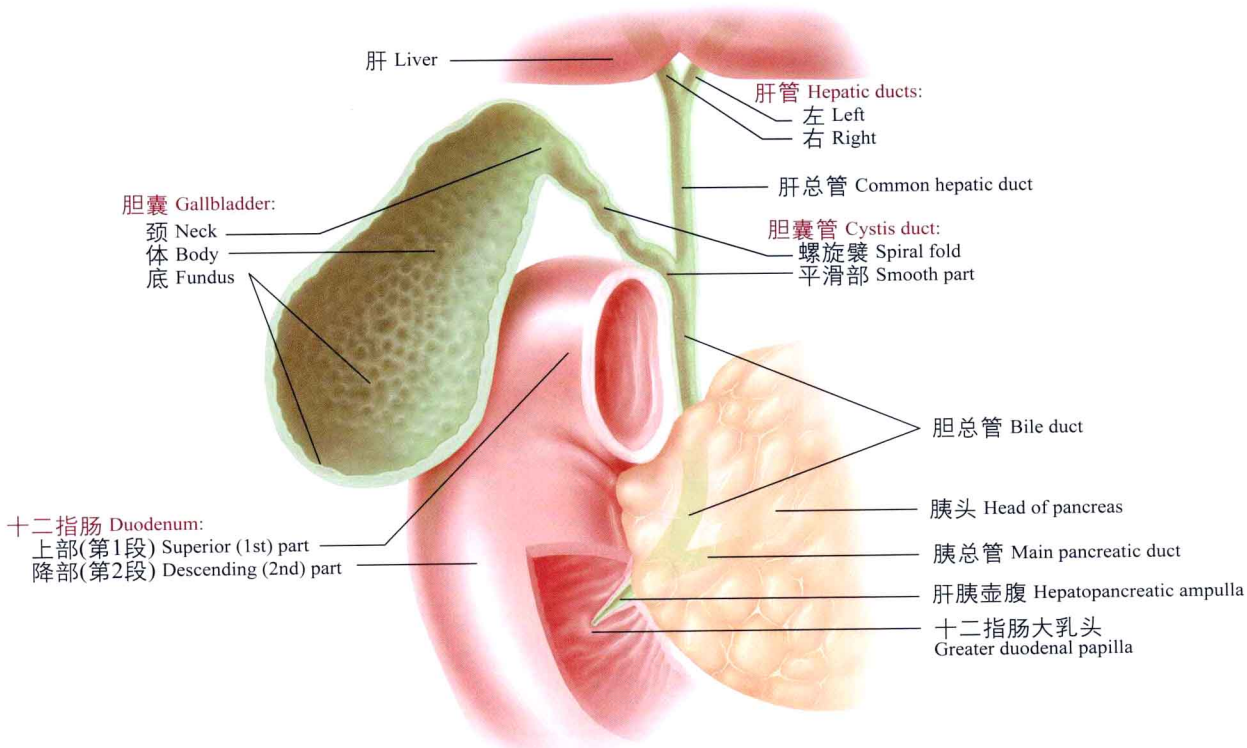
A.定位 Orientation



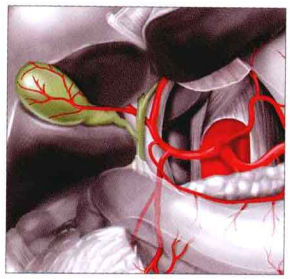
B.剖面 Dissection



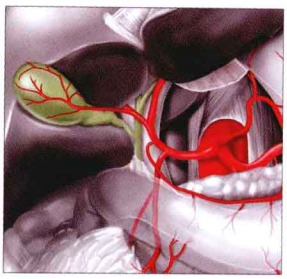
C.内面观 Internal view



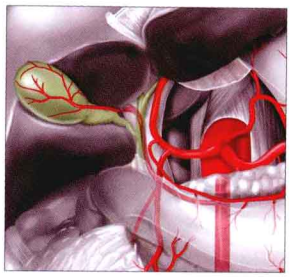
A.肝动脉的变异 A.Orientation



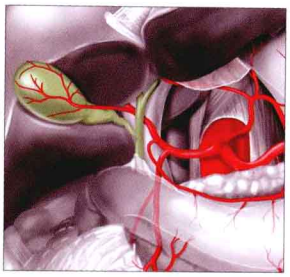
肝左、右动脉从肝固有动脉发出，肝右动脉走行于肝总管后面(64%)
Right and left hepatic arteries arising from proper hepatic artery; right hepatic artery passing posterior to common hepatic duct (64%)



肝右动脉走行于肝总管前面(24%)
Right hepatic artery passing anterior to common hepatic duct (24%)

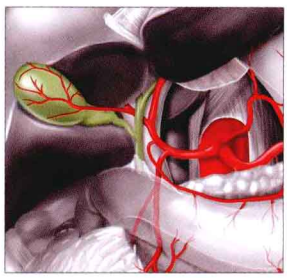


肝右动脉从肠系膜上动脉发出(12%)
Right hepatic artery arising from superior mesenteric artery (12%)

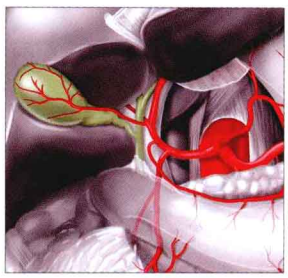


肝左动脉从胃左动脉发出(11%)
Left hepatic artery arising from left gastric artery(11%)

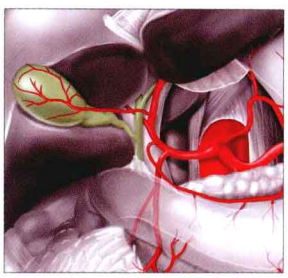
B.胆囊动脉的变异 B.Variations in the cystic artery



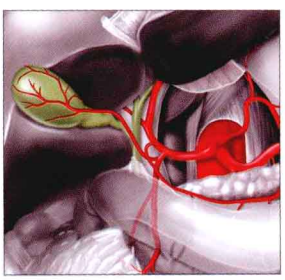
胆囊动脉从肝右动脉发出，并走行于肝总管后面(76%)
Cystic artery arising from right hepatic artery and passing posterior to common hepatic duct (76%)



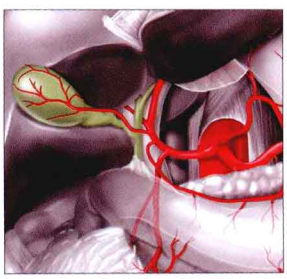
胆囊动脉从肝右动脉发出，并走行于肝总管前面(13%)
Cystic artery arising from right hepatic artery and passing anterior to common hepatic duct (13%)



胆囊动脉从肝左动脉发出，并走行于肝总管前面(6%)Cystic artery arising from left hepatic artery and passing anterior to common hepatic duct (6%)



胆囊动脉从胃十二指肠动脉发出，并走行于肝总管前面(3%)
Cystic artery arising from gastroduodenal artery and passing anterior to common hepatic duct (3%)



胆囊动脉从肝固有动脉发出，并走行于肝总管的前面(2%)
Cystic artery arising from proper hepatic artery and passing anterior to common hepatic duct (2%)

A.定位 Orientation

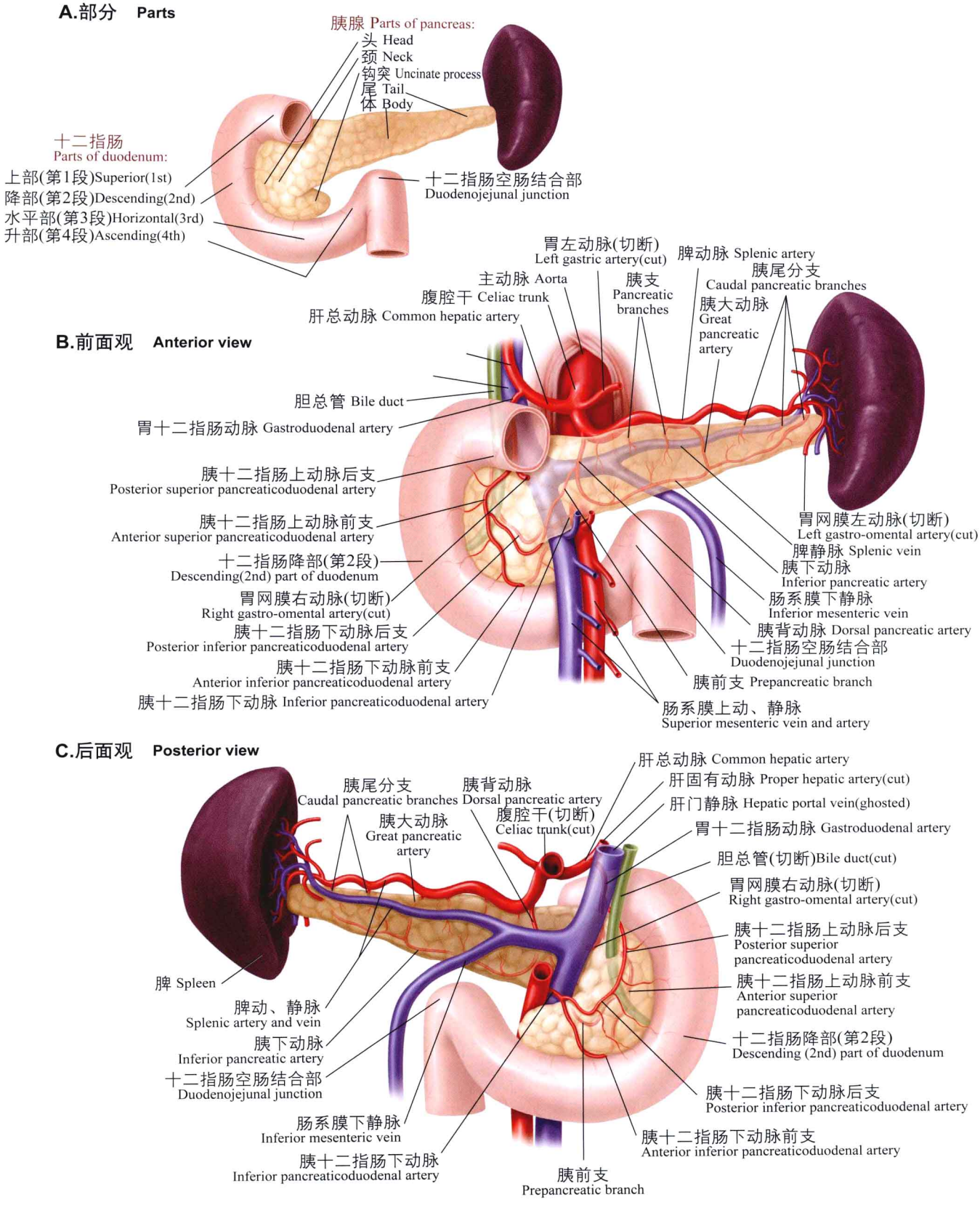


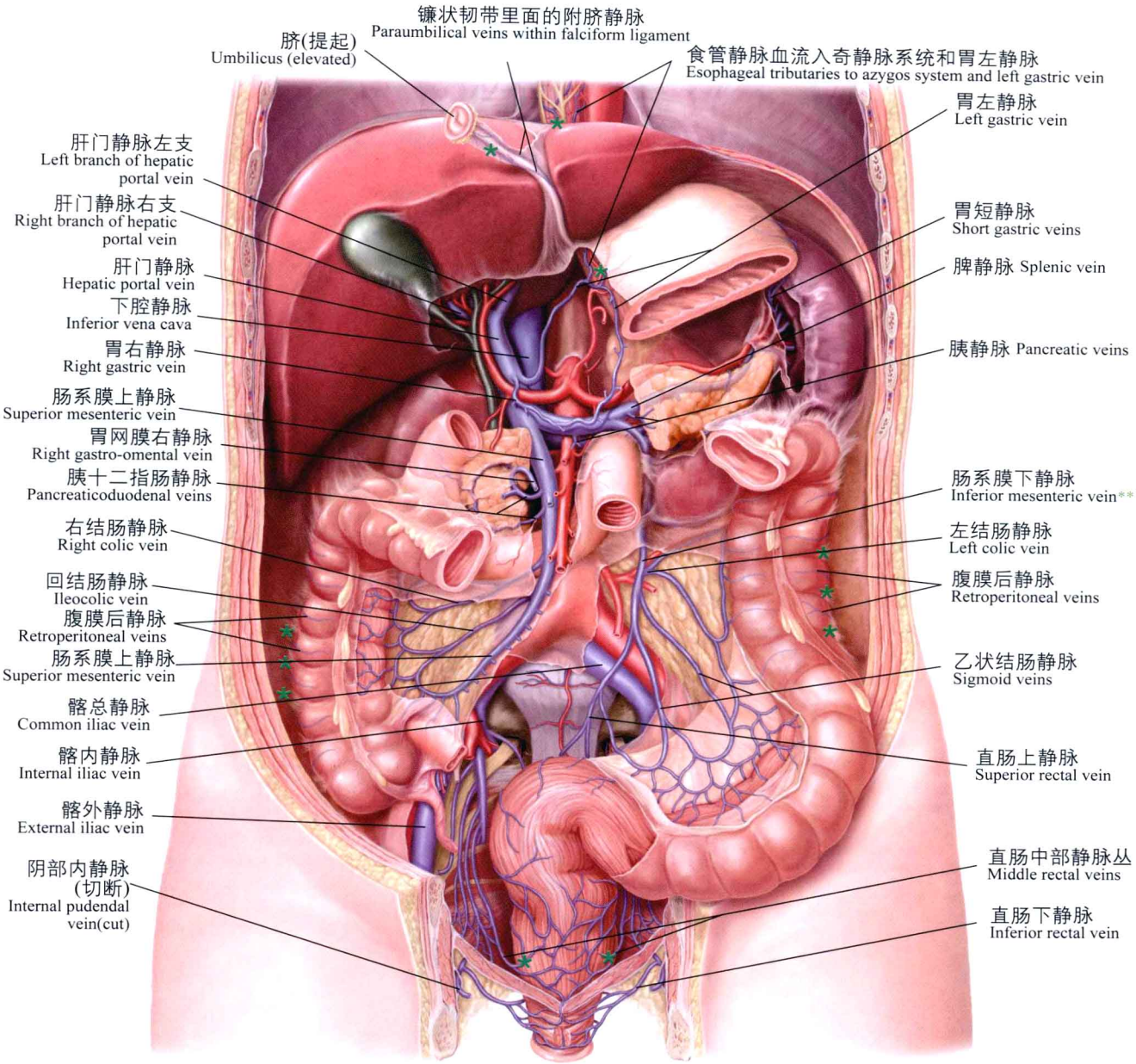
B.表面特征 Surface features

肝门三联征
Portal triad:
肝固有动脉
Proper hepatic artery
下腔静脉和主动脉
Inferior vena cava and aorta
腹腔干
Celiac trunk
脾动脉
Splenic artery
胃(切断)
Stomach(cut)
肝门静脉
Hepatic portal vein
胆管
Bile duct
胆囊
Gallbladder
肝 Liver
右肾(透过腹膜和肾筋膜)
Right kidney (seen through peritoneum and renal fascia)
十二指肠(切断) Duodenum (cut):
上部(第1段) Superior (1st) part
降部(第2段) Descending (2nd) part
水平部(第3段) Transverse(3rd) part
结肠右曲(肝曲)
Right colic (hepatic) flexure
网膜囊下凹
Inferior recess of omental bursa
大网膜 Greater omentum:
胃结肠韧带(切断) Gastrocolic ligament (cut)
网膜围裙(切断)Omental apron (cut)
横结肠(切断)
Transverse colon (cut)
肠系膜上动、静脉(切断)
Superior mesenteric vein and artery (cut)
钩突
Uncinate process
十二指肠升部第4段
Ascending (4th) part of duodenum
十二指肠空肠结合部 Duodenojejunal junction
大网膜 Greater omentum:
胃结肠韧带(切断)
Gastrocolic ligament (cut)
网膜围裙(切断)
Omental apron (cut)
左肾(透过腹膜和肾筋膜)
Left kidney (seen through peritoneum and renal fascia)
横结肠系膜(切断)
Transverse mesocolon (cut)
结肠左曲(脾曲)
Left colic (splenic) flexure
胰腺 Pancreas:
头 Head
颈 Neck
体 Body
尾 Tail
脾 Spleen
胃结肠韧带(切断)
Gastrosplenic ligament (cut)
大网膜 Greater omentum:
胃(切断)
Stomach(cut)

C.剖面 Dissection

幽门括约肌
Pyloric sphincter
幽门管
Pyloric canal
十二指肠上部
(十二指肠球)
Superior (1st) part of duodenum (duodenal cap or bulb)
十二指肠降部
Descending(2nd) part of duodenum
十二指肠小乳头
(副胰管开口处)
Lesser duodenal papilla (accessory pancreatic duct)
十二指肠大乳头
Greater duodenal papilla
胆总管和胰总管
Bile duct and main pancreatic duct
环状襞 Circular folds
十二指肠水平部
Transverse(3rd) part of duodenum
肠系膜上动、静脉(切断)
Superior mesenteric vein and artery(cut)
十二指肠升部
Ascending(4th) part of duodenum
空肠 Jejunum
横结肠系膜(切断)
Transverse mesocolon(cut)
十二指肠空肠曲
Duodenojejunal flexure
十二指肠悬肌
Suspensory muscle of duodenum


A.部分 Parts
胰腺 Parts of pancreas:
头 Head
颈 Neck
钩突 Uncinate process
尾 Tail
体 Body
十二指肠
Parts of duodenum:
上部(第1段)Superior(1st)
降部(第2段)Descending(2nd)
水平部(第3段)Horizontal(3rd)
升部(第4段)Ascending(4th)
十二指肠空肠结合部
Duodenojejunal junction
B.前面观 Anterior view
胃左动脉(切断)
Left gastric artery(cut)
脾动脉 Splenic artery
胰尾分支
Caudal pancreatic branches
主动脉 Aorta
胰支
Pancreatic branches
腹腔干 Celiac trunk
胰大动脉
Great pancreatic artery
肝总动脉 Common hepatic artery
胆总管 Bile duct
胃十二指肠动脉 Gastroduodenal artery
胰十二指肠上动脉后支
Posterior superior pancreaticoduodenal artery
胰十二指肠上动脉前支
Anterior superior pancreaticoduodenal artery
十二指肠降部(第2段)
Descending(2nd) part of duodenum
胃网膜右动脉(切断)
Right gastro-omental artery(cut)
胰十二指肠下动脉后支
Posterior inferior pancreaticoduodenal artery
胰十二指肠下动脉前支
Anterior inferior pancreaticoduodenal artery
胰十二指肠下动脉 Inferior pancreaticoduodenal artery
胃网膜左动脉(切断)
Left gastro-omental artery(cut)
脾静脉 Splenic vein
胰下动脉
Inferior pancreatic artery
肠系膜下静脉
Inferior mesenteric vein
胰背动脉 Dorsal pancreatic artery
十二指肠空肠结合部
Duodenojejunal junction
胰前支 Prepancreatic branch
肠系膜上动、静脉
Superior mesenteric vein and artery
C.后面观 Posterior view
胰尾分支
Caudal pancreatic branches
胰背动脉
Dorsal pancreatic artery
胰大动脉
Great pancreatic artery
腹腔干(切断)
Celiac trunk(cut)
肝总动脉 Common hepatic artery
肝固有动脉 Proper hepatic artery(cut)
肝门静脉 Hepatic portal vein(ghosted)
胃十二指肠动脉 Gastroduodenal artery
胆总管(切断)Bile duct(cut)
胃网膜右动脉(切断)
Right gastro-omental artery(cut)
胰十二指肠上动脉后支
Posterior superior pancreaticoduodenal artery
胰十二指肠上动脉前支
Anterior superior pancreaticoduodenal artery
十二指肠降部(第2段)
Descending (2nd) part of duodenum
胰十二指肠下动脉后支
Posterior inferior pancreaticoduodenal artery
胰十二指肠下动脉前支
Anterior inferior pancreaticoduodenal artery
脾 Spleen
脾动、静脉
Splenic artery and vein
胰下动脉
Inferior pancreatic artery
十二指肠空肠结合部
Duodenojejunal junction
肠系膜下静脉
Inferior mesenteric vein
胰十二指肠下动脉
Inferior pancreaticoduodenal artery
胰前支
Prepancreatic branch



*门脉高压时门-腔侧支吻合 Denotes sites of portal-caval anastomosis in cases of portal hypertension

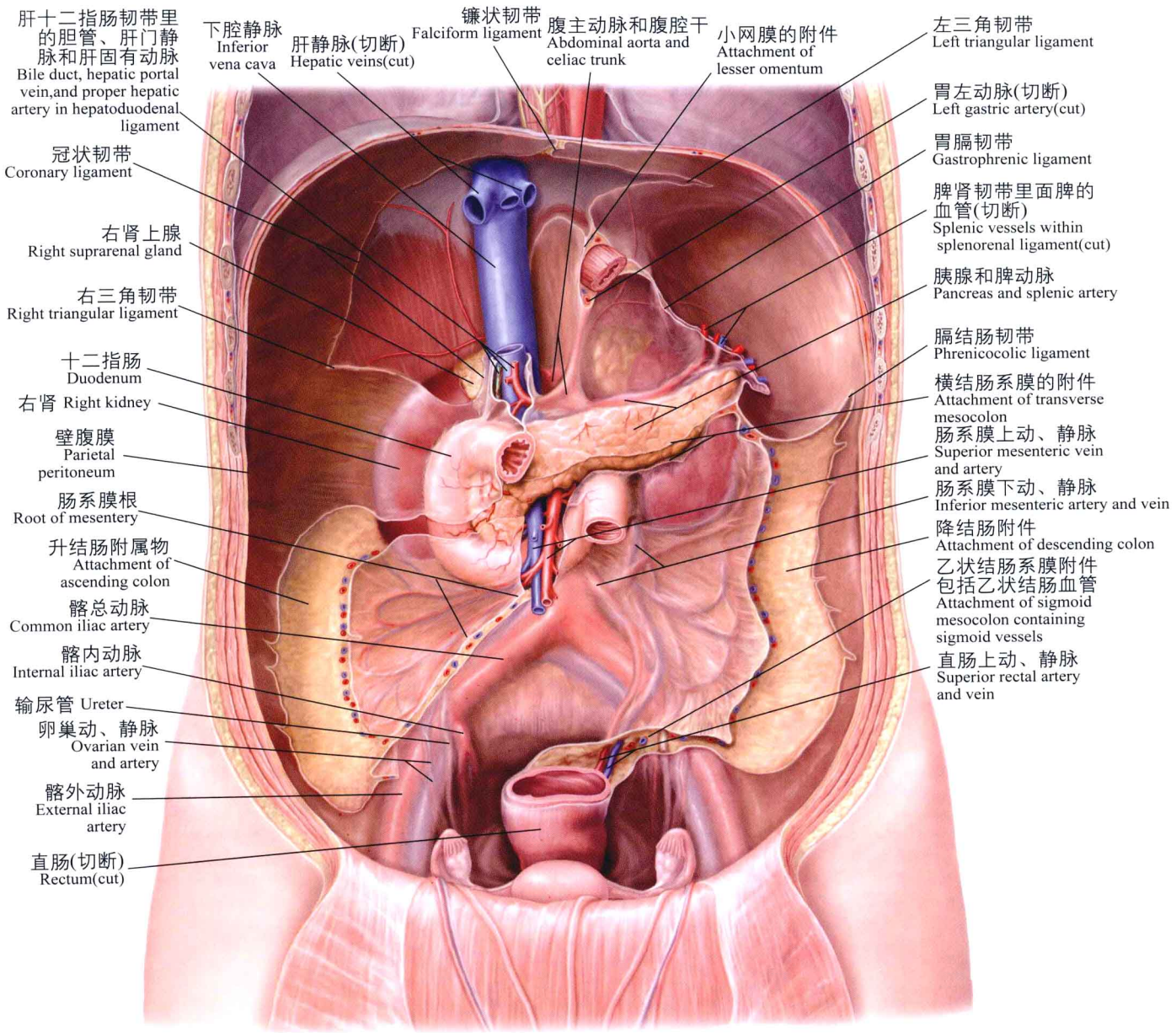
1.胃左静脉的食管支与奇静脉食管支之间的交通
Esophageal tributaries of left gastric vein to esophageal tributaries of azygos system of veins

2.直肠上静脉和直肠中、下静脉之间的交通 Superior rectal vein to middle and inferior rectal veins

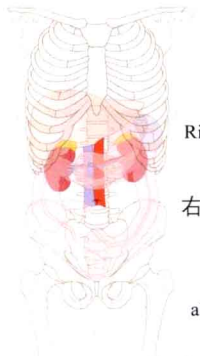
3.肝门静脉左支的脐周静脉和体前壁浅静脉之间的交通
Paraumbilical tributaries of left hepatic portal vein to superficial veins of anterior body wall

4.腹膜后静脉与体后壁静脉之间的交通 Retroperitoneal veins to veins of posterior body wall

**肠系膜下静脉可以汇入脾静脉(34%)，肠系膜上静脉(33%)，或者脾静脉和肠系膜上静脉交接处(32%)
Inferior mesenteric vein can join the splenic vein(34%), the superior mesenteric vein(33%), or the junction of the splenic and superior mesenteric veins(32%)


肝十二指肠韧带里的胆管、肝门静脉和肝固有动脉
Bile duct, hepatic portal vein,and proper hepatic artery in hepatoduodenal ligament
下腔静脉
Inferior vena cava
肝静脉(切断)
Hepatic veins(cut)
镰状韧带
Falciform ligament
腹主动脉和腹腔干
Abdominal aorta and celiac trunk
小网膜的附件
Attachment of lesser omentum
左三角韧带
Left triangular ligament
胃左动脉(切断)
Left gastric artery(cut)
胃膈韧带
Gastrophrenic ligament
脾肾韧带里面脾的血管(切断)
Splenic vessels within splenorenal ligament(cut)
胰腺和脾动脉
Pancreas and splenic artery
膈结肠韧带
Phrenicocolic ligament
横结肠系膜的附件
Attachment of transverse mesocolon
肠系膜上动、静脉
Superior mesenteric vein and artery
肠系膜下动、静脉
Inferior mesenteric artery and vein
降结肠附件
Attachment of descending colon
乙状结肠系膜附件包括乙状结肠血管
Attachment of sigmoid mesocolon containing sigmoid vessels
直肠上动、静脉
Superior rectal artery and vein
冠状韧带
Coronary ligament
右肾上腺
Right suprarenal gland
右三角韧带
Right triangular ligament
十二指肠
Duodenum
右肾 Right kidney
壁腹膜
Parietal peritoneum
肠系膜根
Root of mesentery
升结肠附属物
Attachment of ascending colon
髂总动脉
Common iliac artery
髂内动脉
Internal iliac artery
输尿管 Ureter
卵巢动、静脉
Ovarian vein and artery
髂外动脉
External iliac artery
直肠(切断)
Rectum(cut)

A.定位 Orientation



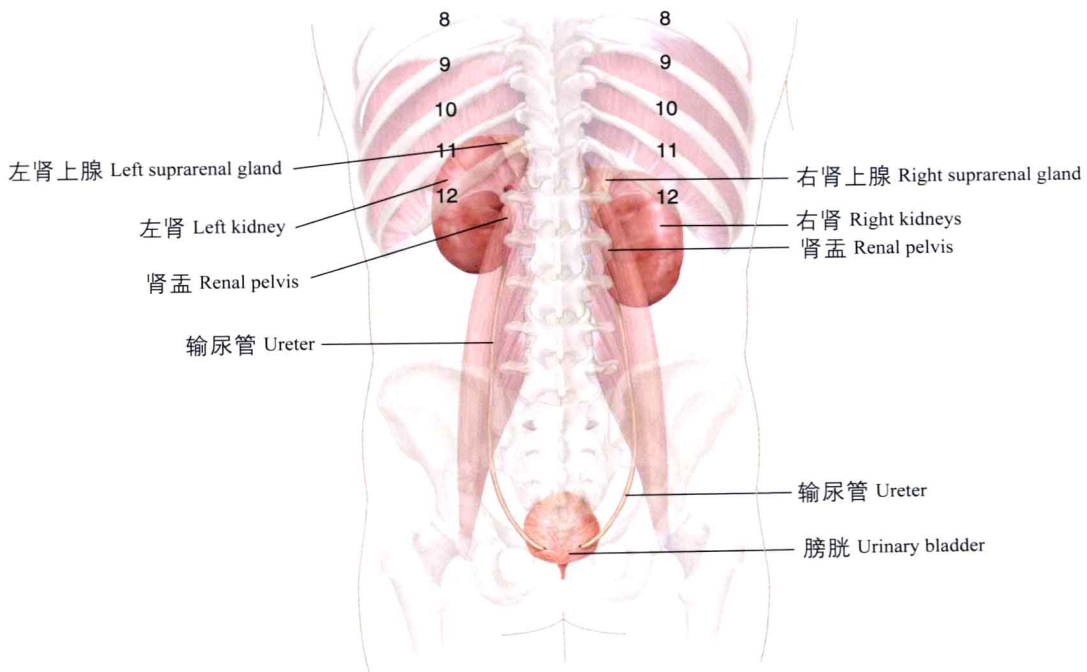
B.前面观 Anterior view

膈 Diaphragm
下腔静脉 Inferior vena cava
右肾上腺 Right suprarenal gland
右肾 Right kidney
右肾动、静脉 Right renal artery and vein
腹横肌 Transversus abdominis muscle
腰方肌 Quadratus lumborum muscle
右输尿管 Right ureter
腰大肌 Psoas major muscle
髂动脉 Iliac arteries:
髂总动脉 Common
髂内动脉 Internal
髂外动脉 External

食管腹部(切断) Abdominal part of esophagus(cut)
左肾上腺 Left suprarenal gland
左肾 Left kidney
腹腔干 Celiac trunk
肠系膜上动脉(切断) Superior mesenteric artery(cut)
左肾动、静脉 Left renal artery and vein
腹主动脉 Abdominal aorta
肠系膜下动脉 Inferior mesenteric artery
髂嵴 Iliac crest
卵巢动、静脉 Ovarian artery and vein
左输尿管 Left ureter

子宫 Uterus
膀胱 Urinary bladder
直肠 Rectum

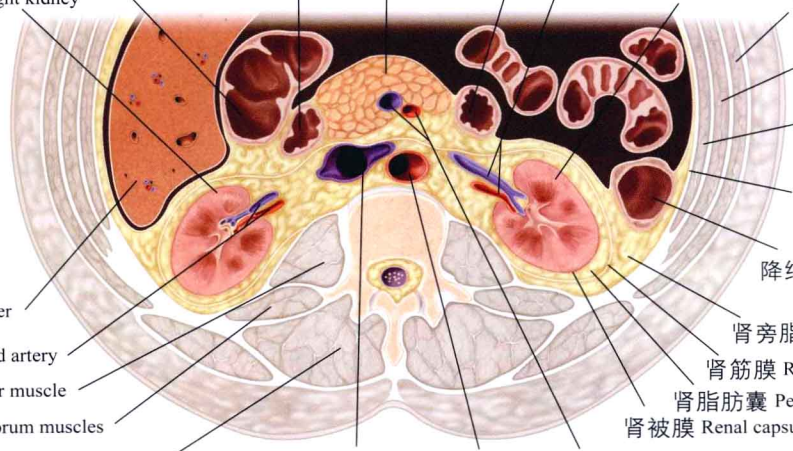
C.后面观 Posterior view



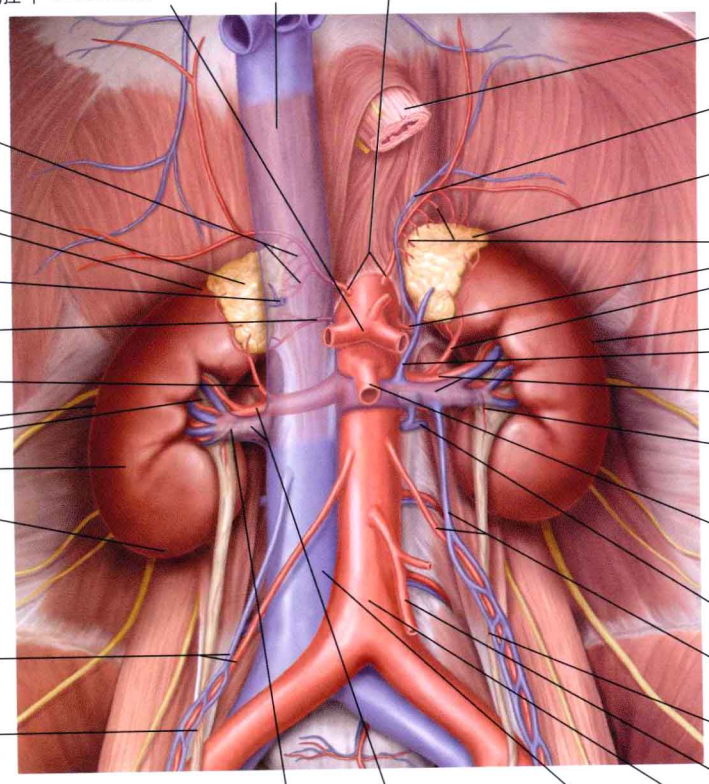
A.定位 Orientation



B.通过L2椎体横断面 Cross section through the L2 vertebra

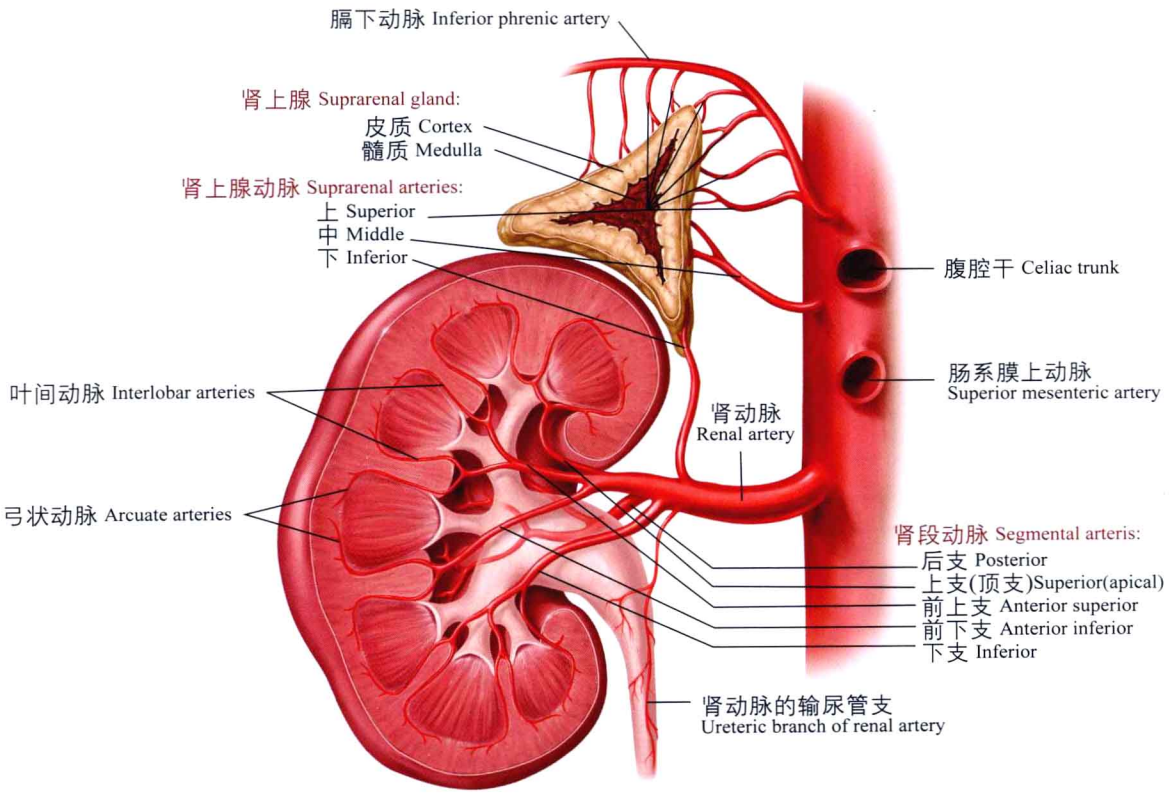


C.剖面 Dissection

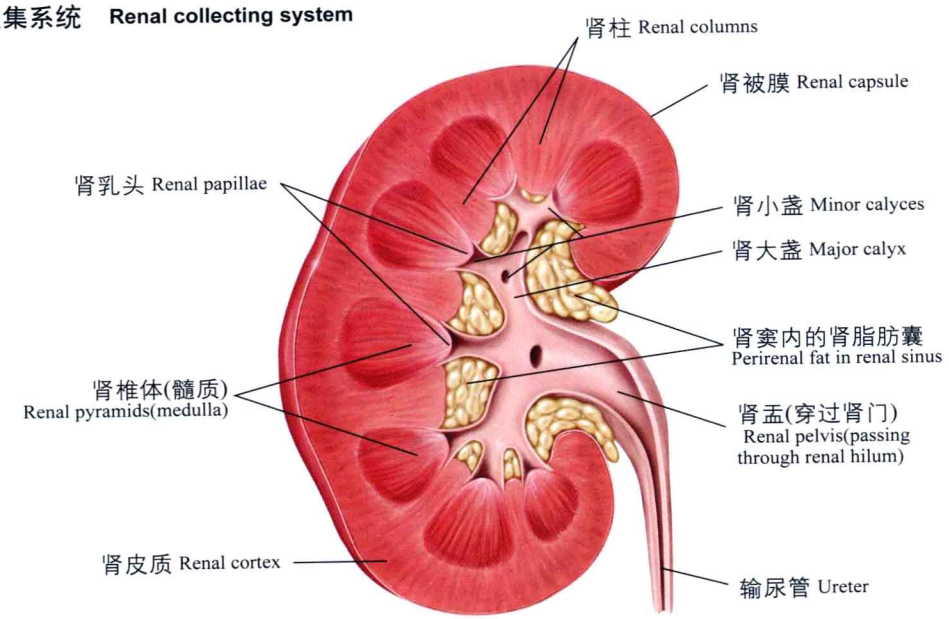


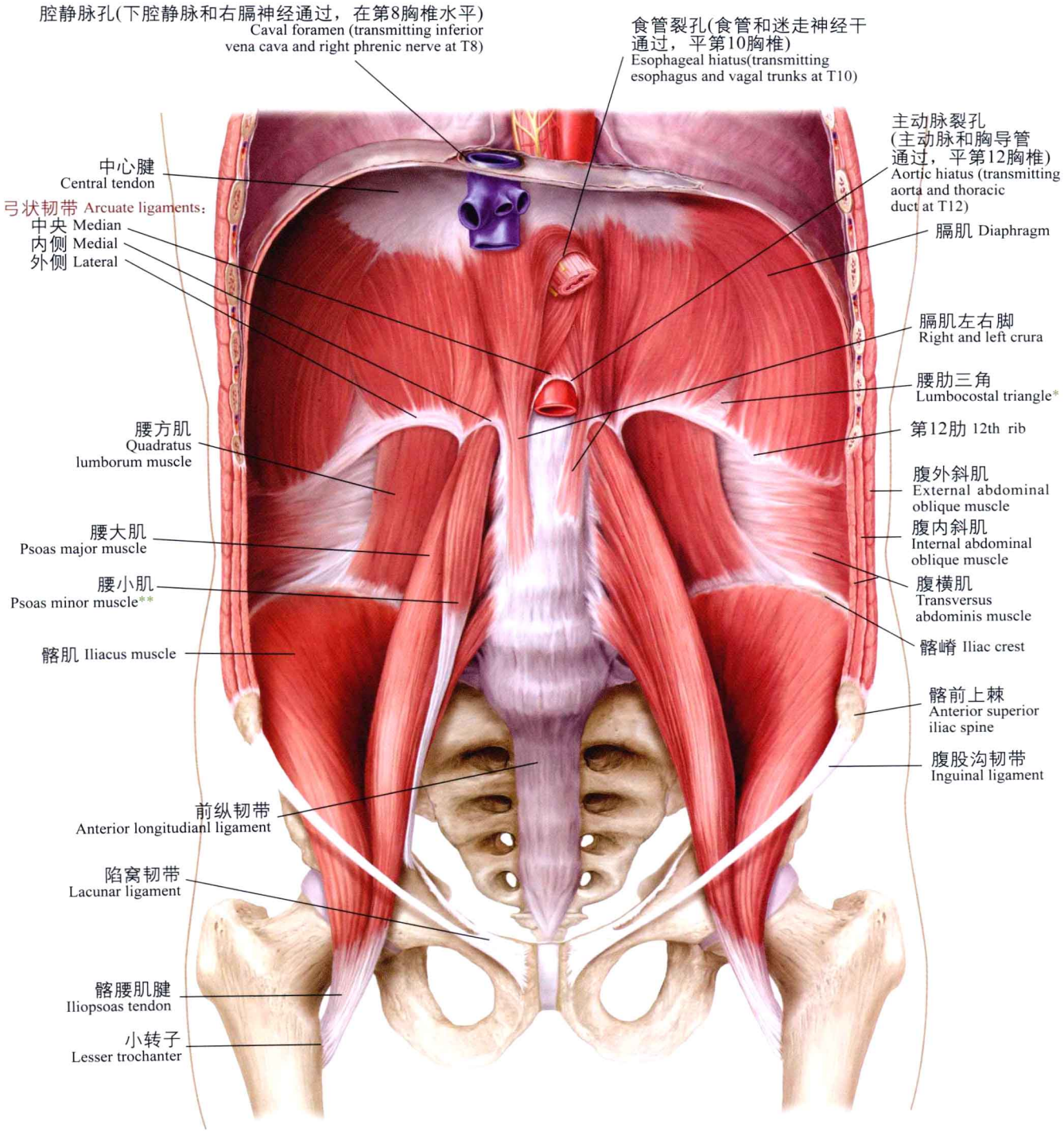
*多条肾动脉发生率大约为28%
Supernumerary renal arteries occur in approximately 28% of cases

A.动脉 Arteries

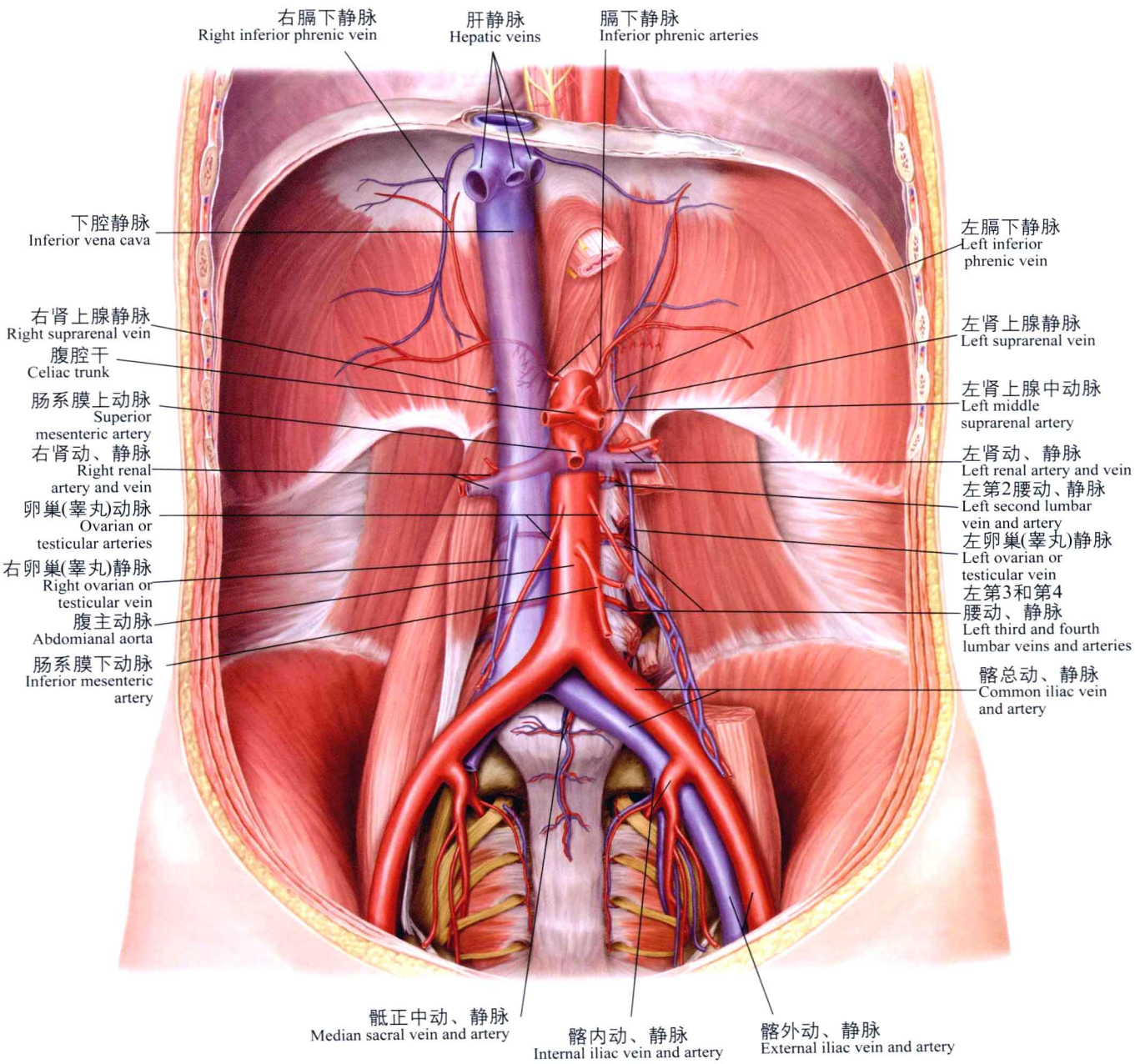


B.肾收集系统 Renal collecting system

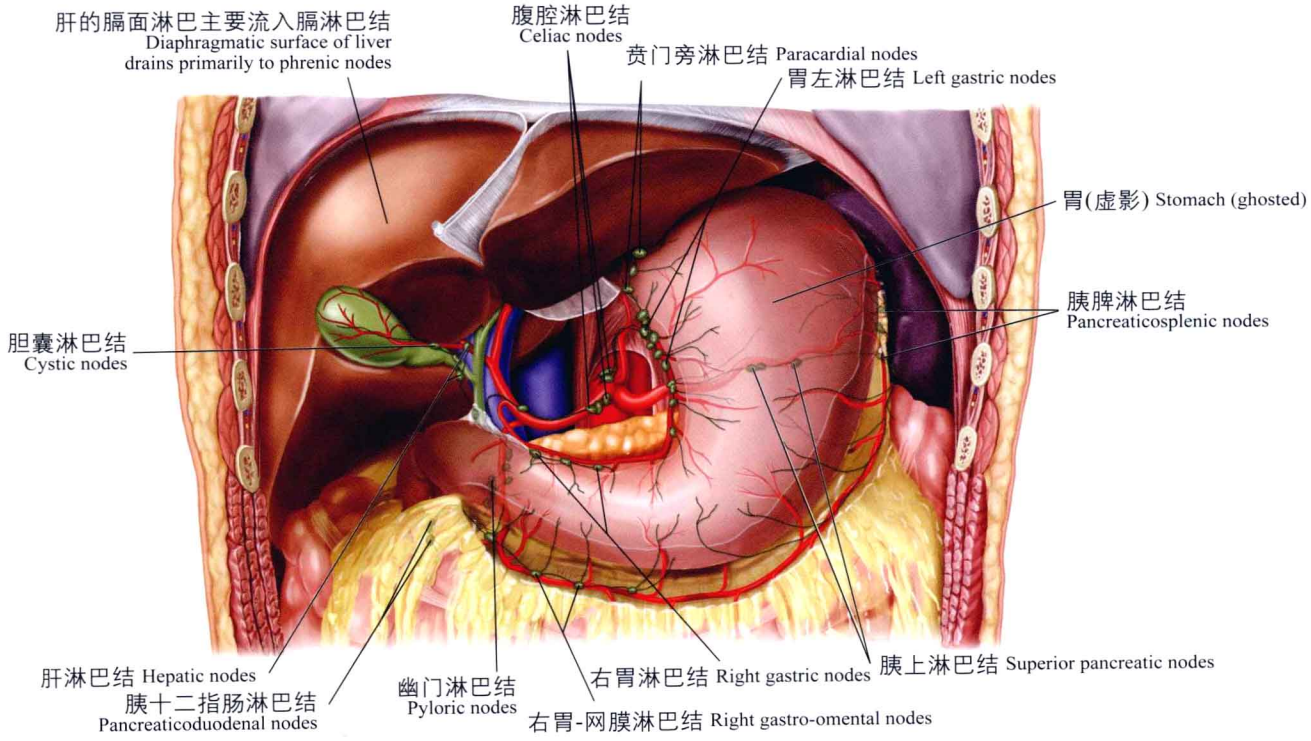




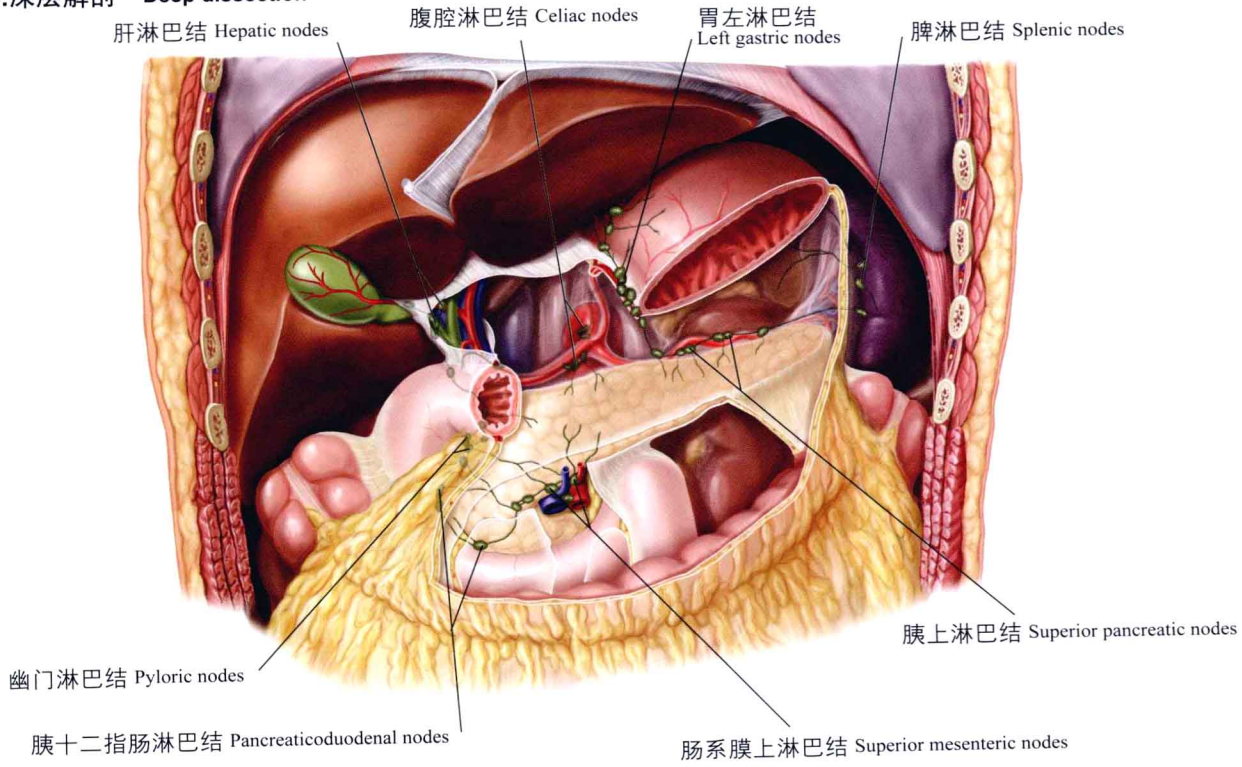
*腰肋三角出现的概率约为80% Lumbocostal triangle is present in 80% of cases
**腰小肌出现的概率约为50% Psoas minor muscle is present in 50% of cases


右膈下静脉
Right inferior phrenic vein
肝静脉
Hepatic veins
膈下静脉
Inferior phrenic arteries
下腔静脉
Inferior vena cava
右肾上腺静脉
Right suprarenal vein
腹腔干
Celiac trunk
肠系膜上动脉
Superior mesenteric artery
右肾动、静脉
Right renal artery and vein
卵巢(睾丸)动脉
Ovarian or testicular arteries
右卵巢(睾丸)静脉
Right ovarian or testicular vein
腹主动脉
Abdomianal aorta
肠系膜下动脉
Inferior mesenteric artery
左膈下静脉
Left inferior phrenic vein
左肾上腺静脉
Left suprarenal vein
左肾上腺中动脉
Left middle suprarenal artery
左肾动、静脉
Left renal artery and vein
左第2腰动、静脉
Left second lumbar vein and artery
左卵巢(睾丸)静脉
Left ovarian or testicular vein
左第3和第4腰动、静脉
Left third and fourth lumbar veins and arteries
髂总动、静脉
Common iliac vein and artery
骶正中动、静脉
Median sacral vein and artery
髂内动、静脉
Internal iliac vein and artery
髂外动、静脉
External iliac vein and artery

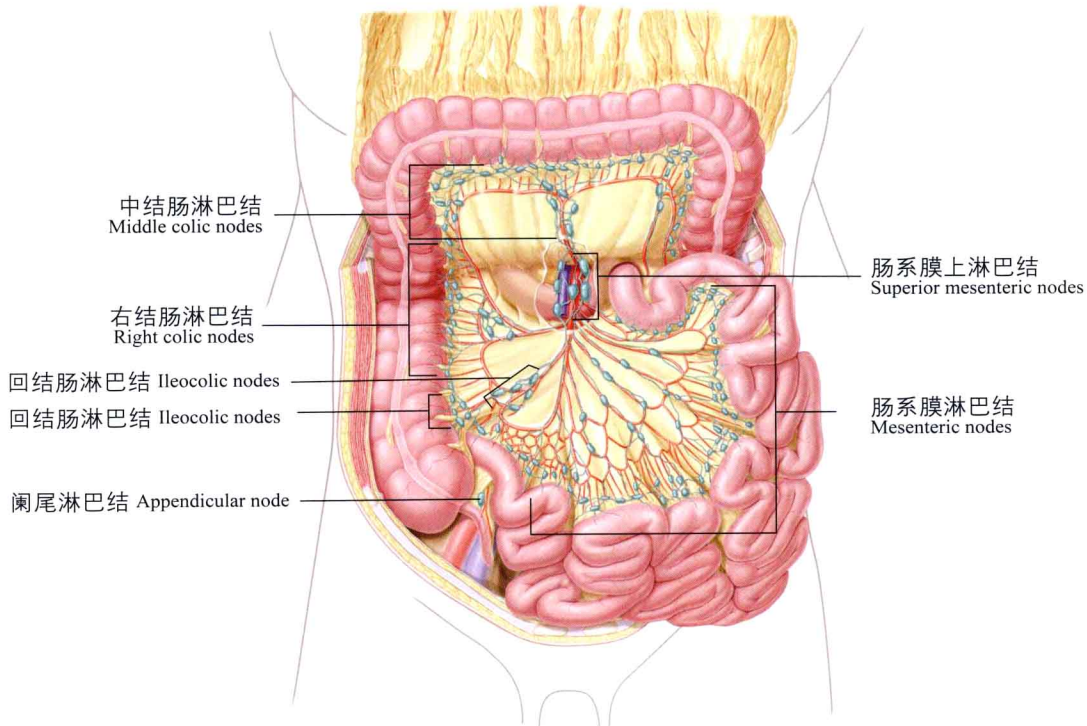
A.浅层解剖 Superficial dissection



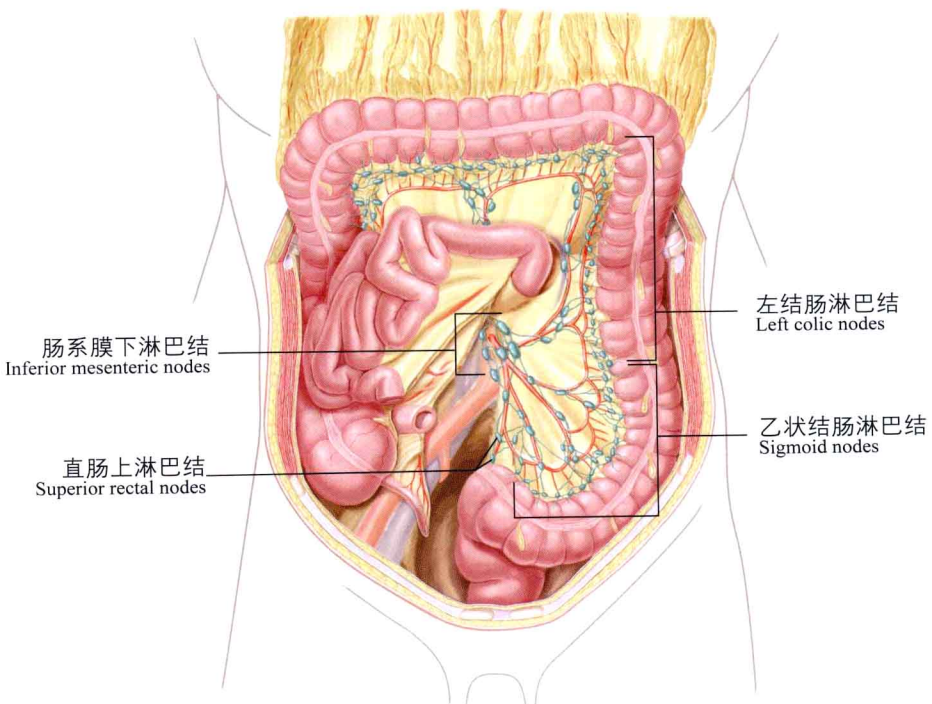
B.深层解剖 Deep dissection

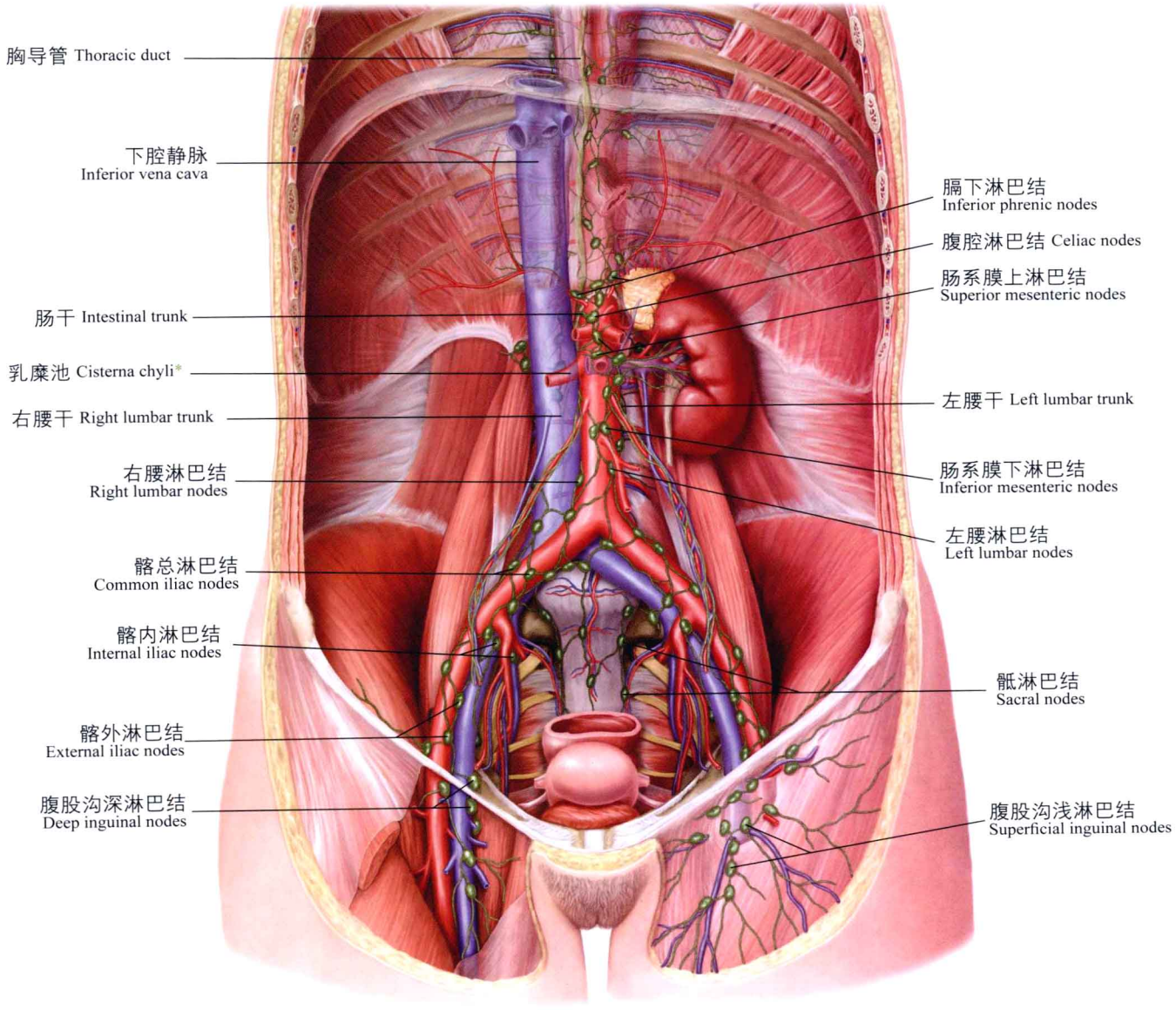


A.小肠，盲肠，升结肠和横结肠
Small intesties, cecum, ascending colon, and transverse colon

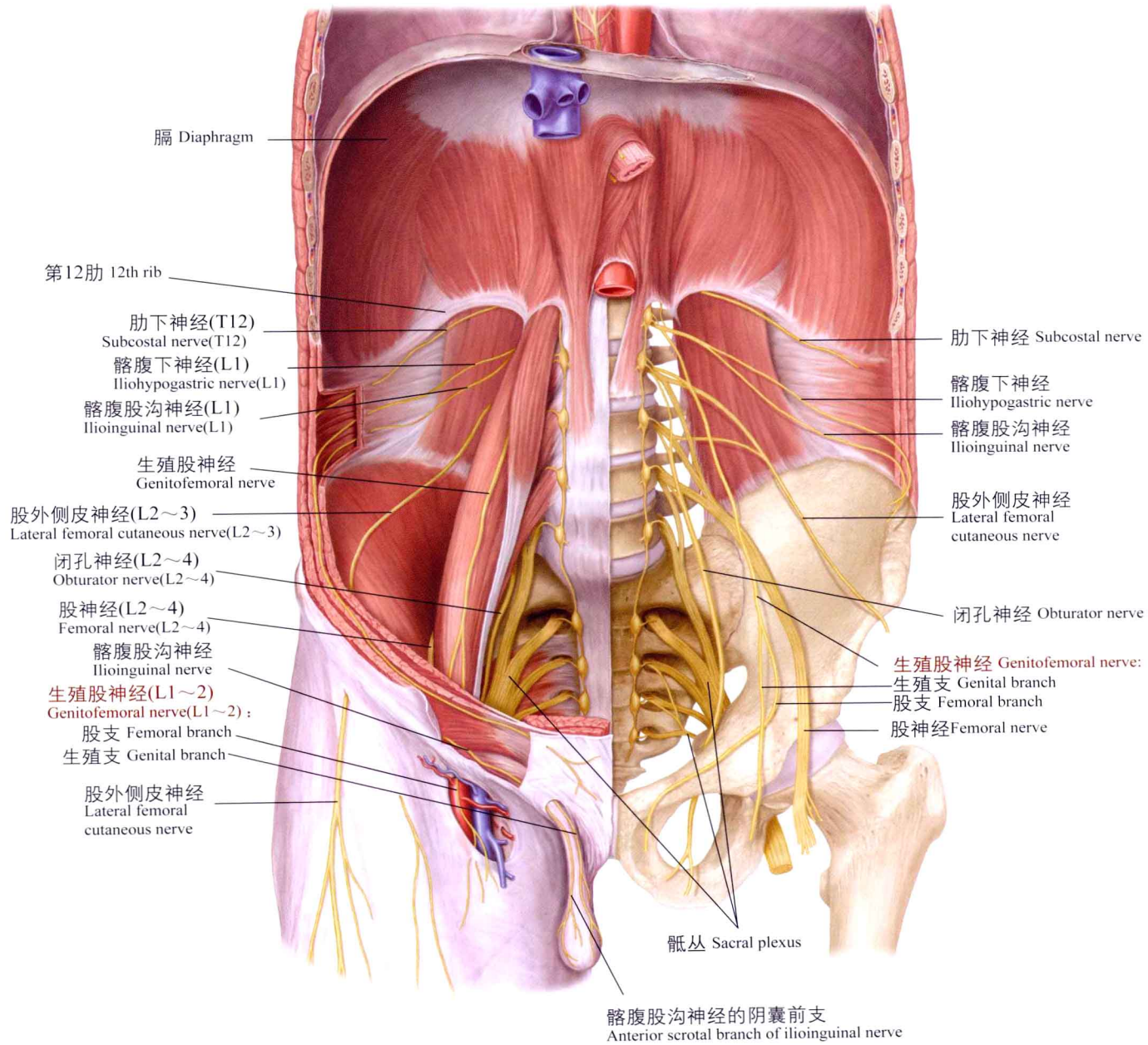


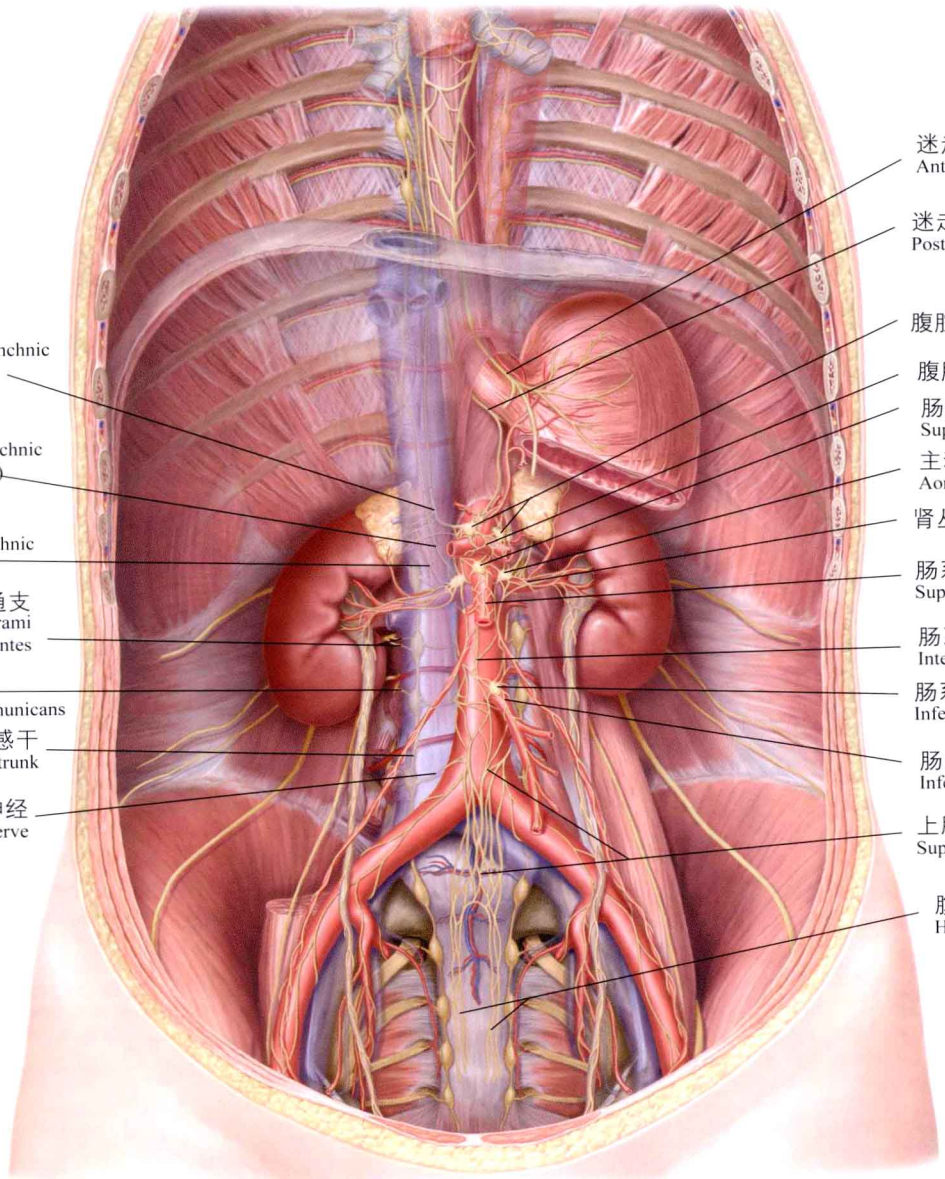
B.降结肠，乙状结肠和直肠
Descending colon, sigmoid colon, and rectum

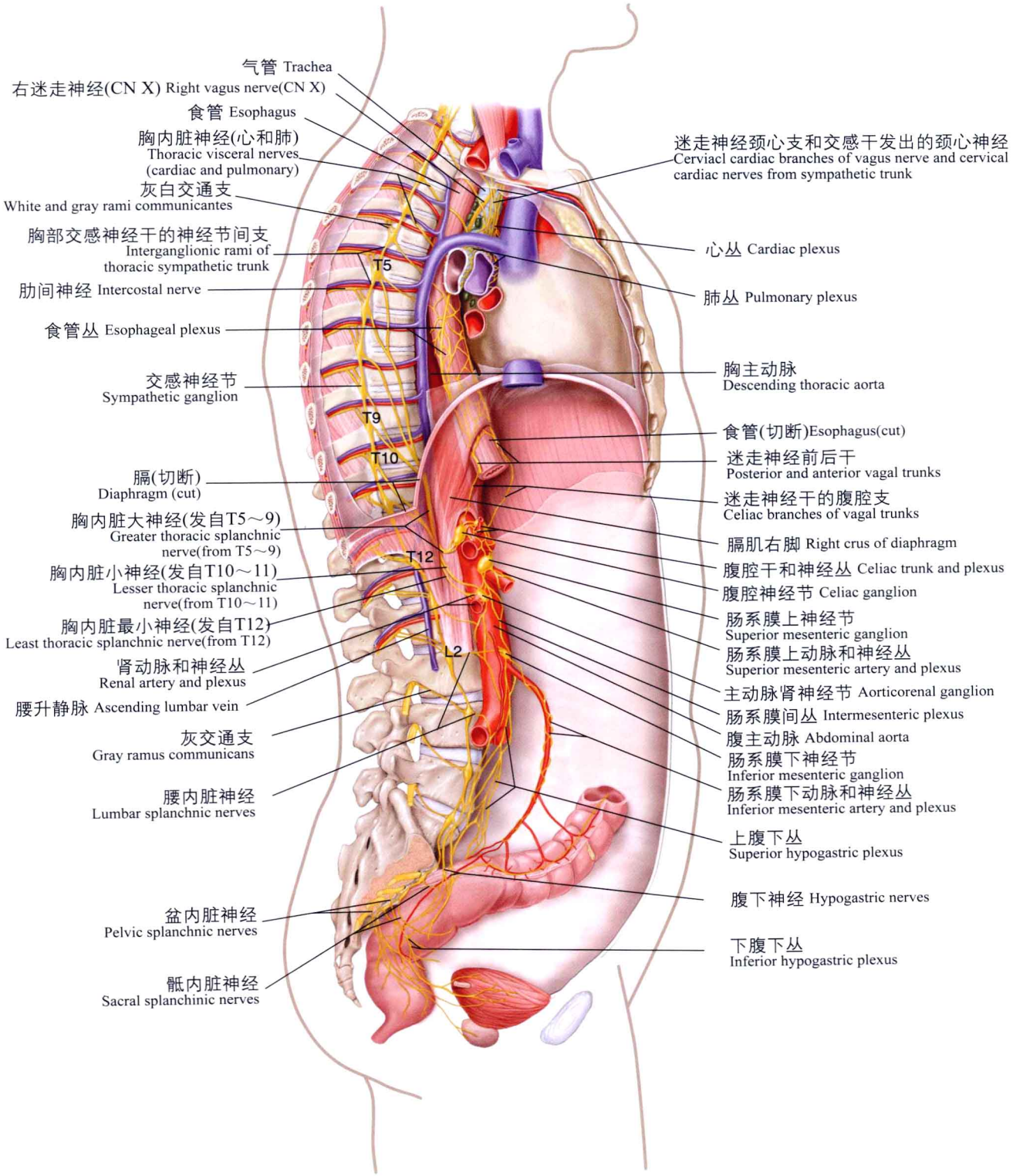


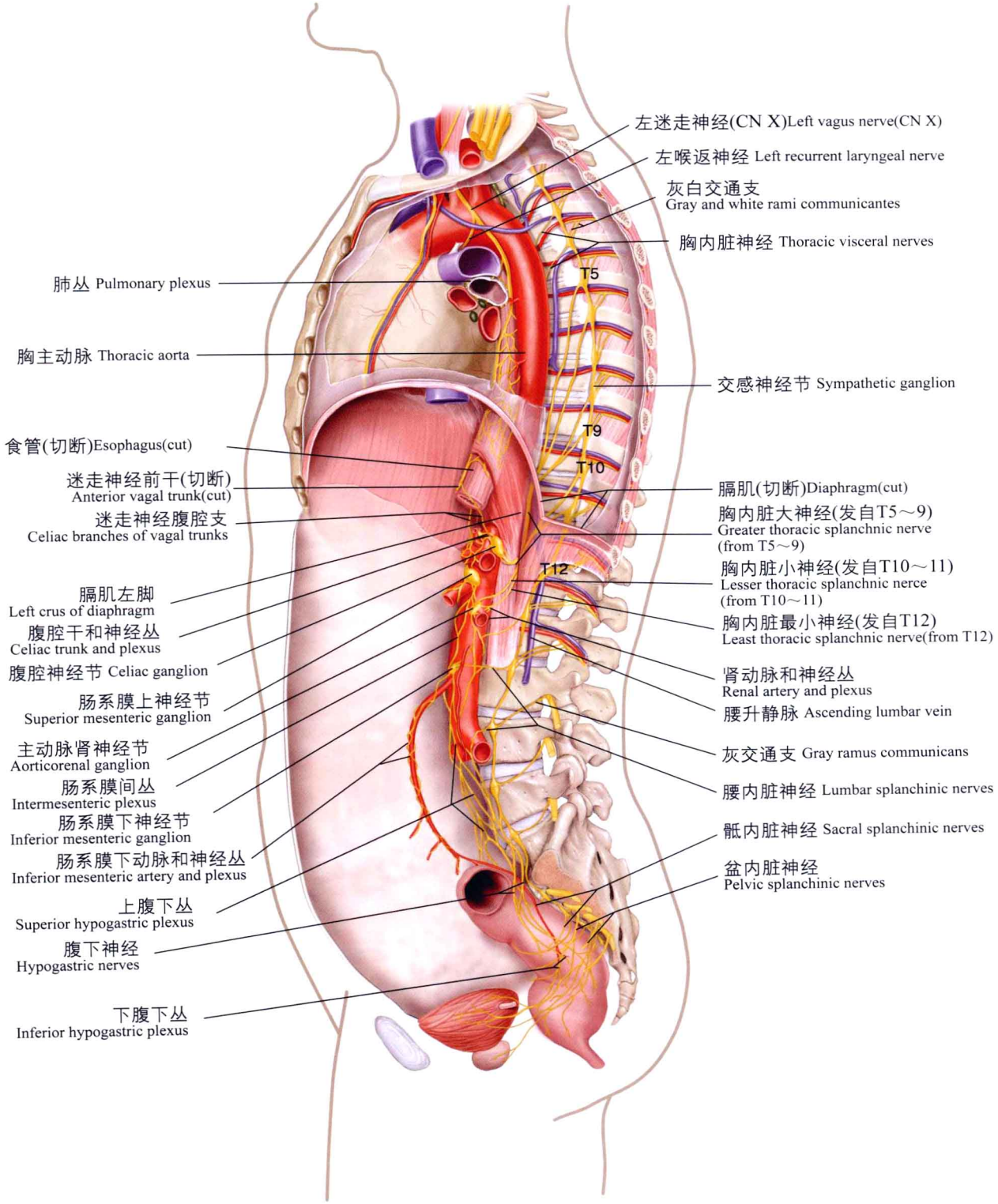


*乳糜池出现的概率为25%
Cisterna chyli is present in approximately 25% of cases

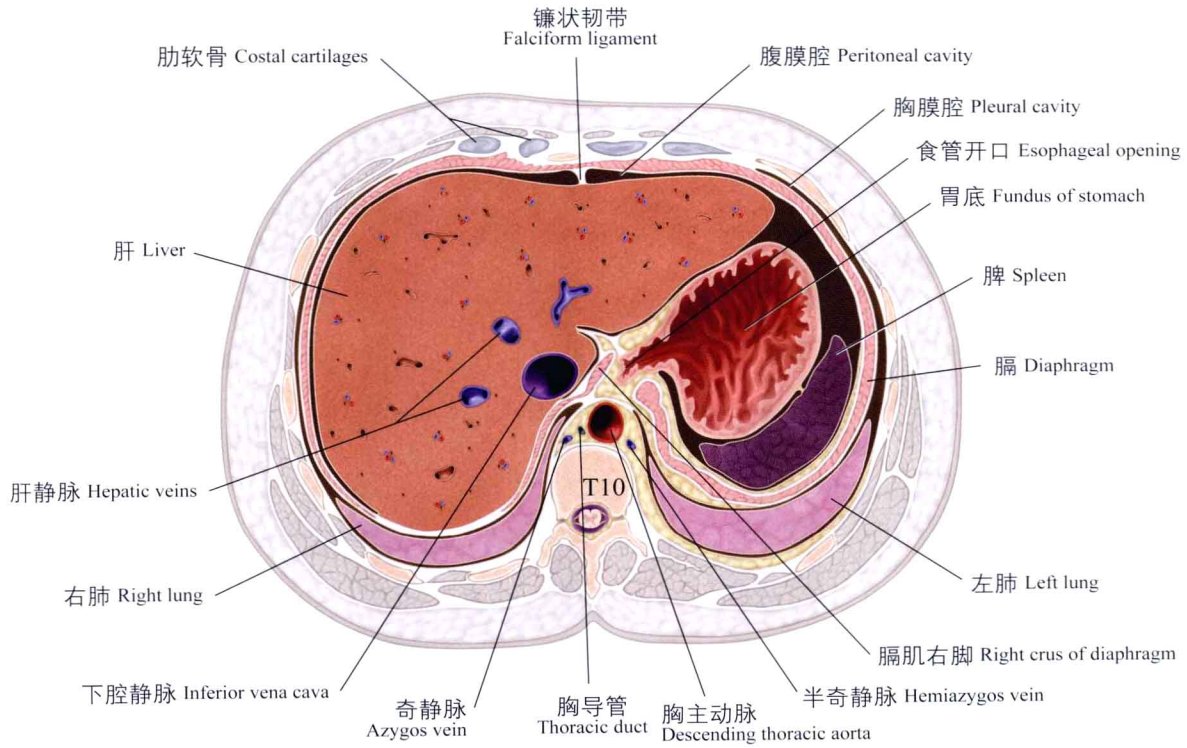

膈 Diaphragm
第12肋 12th rib
肋下神经(T12)
Subcostal nerve(T12)
髂腹下神经(L1)
Iliohypogastric nerve(L1)
髂腹股沟神经(L1)
Ilioinguinal nerve(L1)
生殖股神经
Genitofemoral nerve
股外侧皮神经(L2～3)
Lateral femoral cutaneous nerve(L2～3)
闭孔神经(L2～4)
Obturator nerve(L2～4)
股神经(L2～4)
Femoral nerve(L2～4)
髂腹股沟神经
Ilioinguinal nerve
生殖股神经(L1～2)
Genitofemoral nerve(L1～2)：
股支 Femoral branch
生殖支 Genital branch
股外侧皮神经
Lateral femoral cutaneous nerve
肋下神经 Subcostal nerve
髂腹下神经
Iliohypogastric nerve
髂腹股沟神经
Ilioinguinal nerve
股外侧皮神经
Lateral femoral cutaneous nerve
闭孔神经 Obturator nerve
生殖股神经 Genitofemoral nerve:
生殖支 Genital branch
股支 Femoral branch
股神经Femoral nerve
骶丛 Sacral plexus
髂腹股沟神经的阴囊前支
Anterior scrotal branch of ilioinguinal nerve


迷走神经前干
Anterior vagal trunk
迷走神经后干
Posterior vagal trunk
胸内脏大神经
(发自T5～9)
Greater thoracic splanchnic nerve (from T5～9)
腹腔神经节 Celiac ganglia
腹腔丛 Celiac plexus
胸内脏小神经
(发自T10～11)
Lesser thoracic splanchnic nerve(from T10～11)
肠系膜上神经节
Superior mesenteric ganglion
主动脉肾神经节
Aorticorenal ganglion
胸内脏最小神经
(发自T12)
Least thoracic splanchnic nerve(from T12)
肾丛 Renal plexus
肠系膜上丛
Superior mesenteric plexus
灰白交通支
Gray and white rami communicantes
肠系膜间丛
Intermesenteric plexus
灰交通支
Gray ramus communicans
肠系膜下神经节
Inferior mesenteric ganglion
腰交感干
Lumbar sympathetic trunk
肠系膜下丛
Inferior mesenteric plexus
腰内脏神经
Lumbar splanchnic nerve
上腹下丛
Superior hypogastric plexus
腹下神经(切断)
Hypogastric nerves(cut)

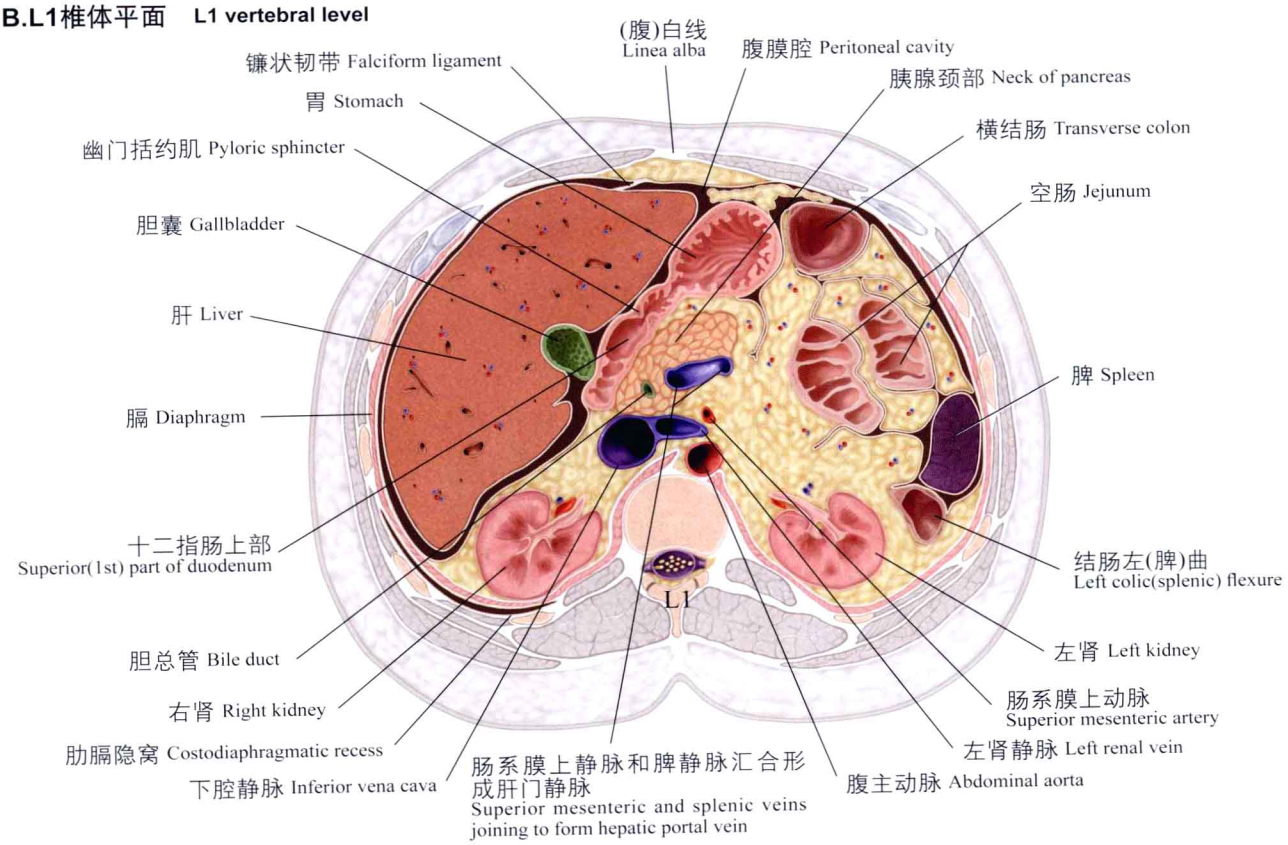

气管 Trachea
右迷走神经(CN X) Right vagus nerve(CN X)
食管 Esophagus
胸内脏神经(心和肺)
Thoracic visceral nerves (cardiac and pulmonary)
灰白交通支
White and gray rami communicantes
胸部交感神经干的神经节间支
Interganglionic rami of thoracic sympathetic trunk
肋间神经 Intercostal nerve
食管丛 Esophageal plexus
交感神经节
Sympathetic ganglion
膈(切断)
Diaphragm (cut)
胸内脏大神经(发自T5～9)
Greater thoracic splanchnic nerve(from T5～9)
胸内脏小神经(发自T10～11)
Lesser thoracic splanchnic nerve(from T10～11)
胸内脏最小神经(发自T12)
Least thoracic splanchnic nerve(from T12)
肾动脉和神经丛
Renal artery and plexus
腰升静脉 Ascending lumbar vein
灰交通支
Gray ramus communicans
腰内脏神经
Lumbar splanchnic nerves
盆内脏神经
Pelvic splanchnic nerves
骶内脏神经
Sacral splanchinic nerves
T5
T9
T10
T12
L2
迷走神经颈心支和交感干发出的颈心神经
Cerviacl cardiac branches of vagus nerve and cervical cardiac nerves from sympathetic trunk
心丛 Cardiac plexus
肺丛 Pulmonary plexus
胸主动脉
Descending thoracic aorta
食管(切断)Esophagus(cut)
迷走神经前后干
Posterior and anterior vagal trunks
迷走神经干的腹腔支
Celiac branches of vagal trunks
膈肌右脚 Right crus of diaphragm
腹腔干和神经丛 Celiac trunk and plexus
腹腔神经节 Celiac ganglion
肠系膜上神经节
Superior mesenteric ganglion
肠系膜上动脉和神经丛
Superior mesenteric artery and plexus
主动脉肾神经节 Aorticorenal ganglion
肠系膜间丛 Intermesenteric plexus
腹主动脉 Abdominal aorta
肠系膜下神经节
Inferior mesenteric ganglion
肠系膜下动脉和神经丛
Inferior mesenteric artery and plexus
上腹下丛
Superior hypogastric plexus
腹下神经 Hypogastric nerves
下腹下丛
Inferior hypogastric plexus


左迷走神经(CN X)Left vagus nerve(CN X)
左喉返神经 Left recurrent laryngeal nerve
灰白交通支
Gray and white rami communicantes
胸内脏神经 Thoracic visceral nerves
肺丛 Pulmonary plexus
T5
胸主动脉 Thoracic aorta
交感神经节 Sympathetic ganglion
食管(切断)Esophagus(cut)
T9
迷走神经前干(切断)
Anterior vagal trunk(cut)
T10
膈肌(切断)Diaphragm(cut)
迷走神经腹腔支
Celiac branches of vagal trunks
胸内脏大神经(发自T5～9)
Greater thoracic splanchnic nerve
(from T5～9)
T12
胸内脏小神经(发自T10～11)
Lesser thoracic splanchnic nerce
(from T10～11)
膈肌左脚
Left crus of diaphragm
胸内脏最小神经(发自T12)
Least thoracic splanchnic nerve(from T12)
腹腔干和神经丛
Celiac trunk and plexus
肾动脉和神经丛
Renal artery and plexus
腹腔神经节 Celiac ganglion
腰升静脉 Ascending lumbar vein
肠系膜上神经节
Superior mesenteric ganglion
灰交通支 Gray ramus communicans
主动脉肾神经节
Aorticorenal ganglion
腰内脏神经 Lumbar splanchinic nerves
肠系膜间丛
Intermesenteric plexus
骶内脏神经 Sacral splanchinic nerves
肠系膜下神经节
Inferior mesenteric ganglion
盆内脏神经
Pelvic splanchinic nerves
肠系膜下动脉和神经丛
Inferior mesenteric artery and plexus
上腹下丛
Superior hypogastric plexus
腹下神经
Hypogastric nerves
下腹下丛
Inferior hypogastric plexus

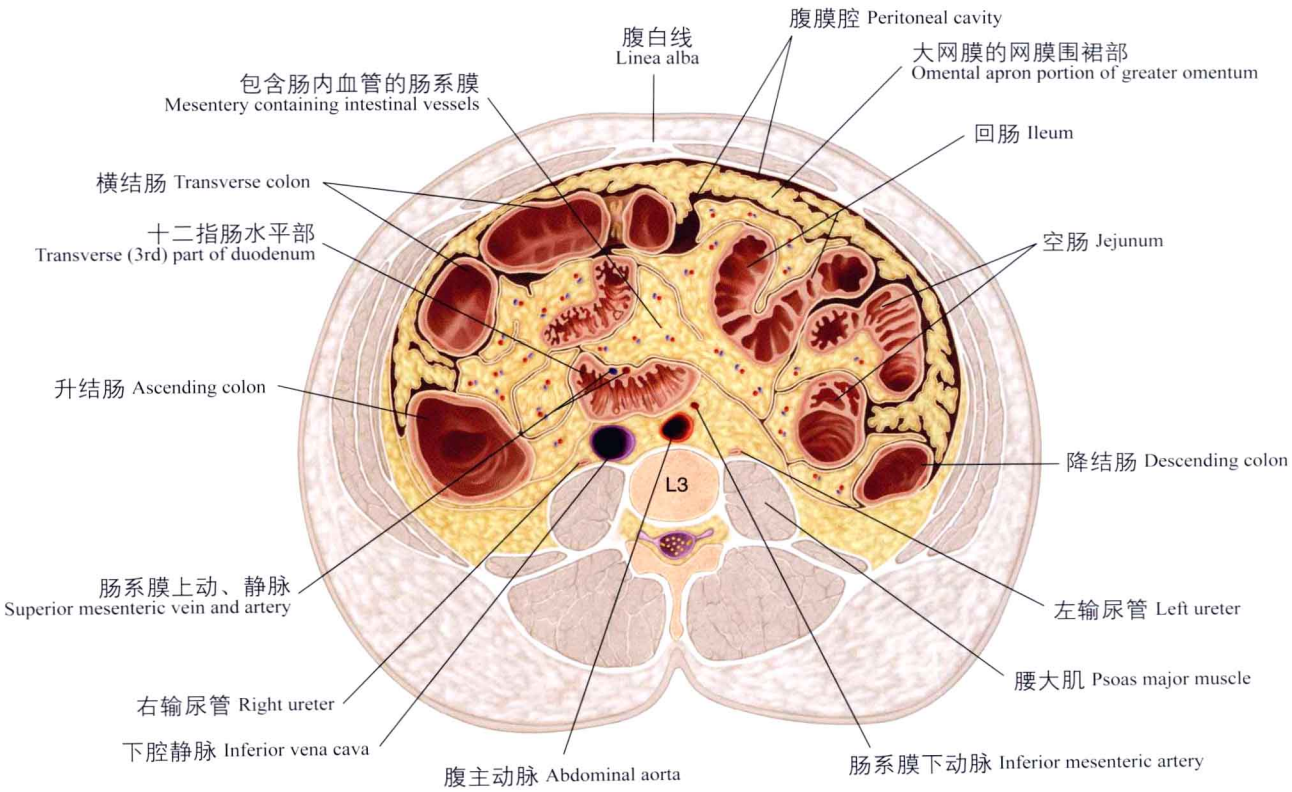
A.T10椎体平面 T10 vertebral level



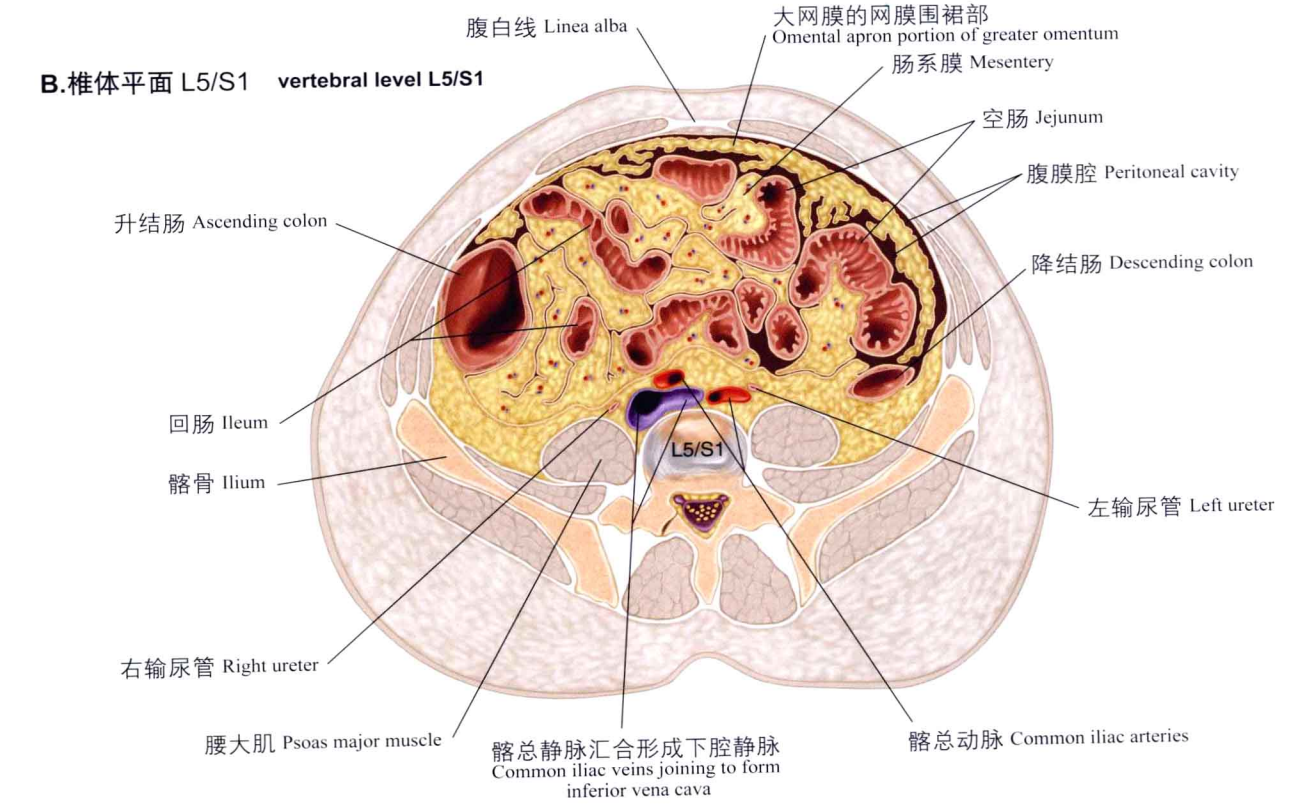
B.L1椎体平面 L1 vertebral level

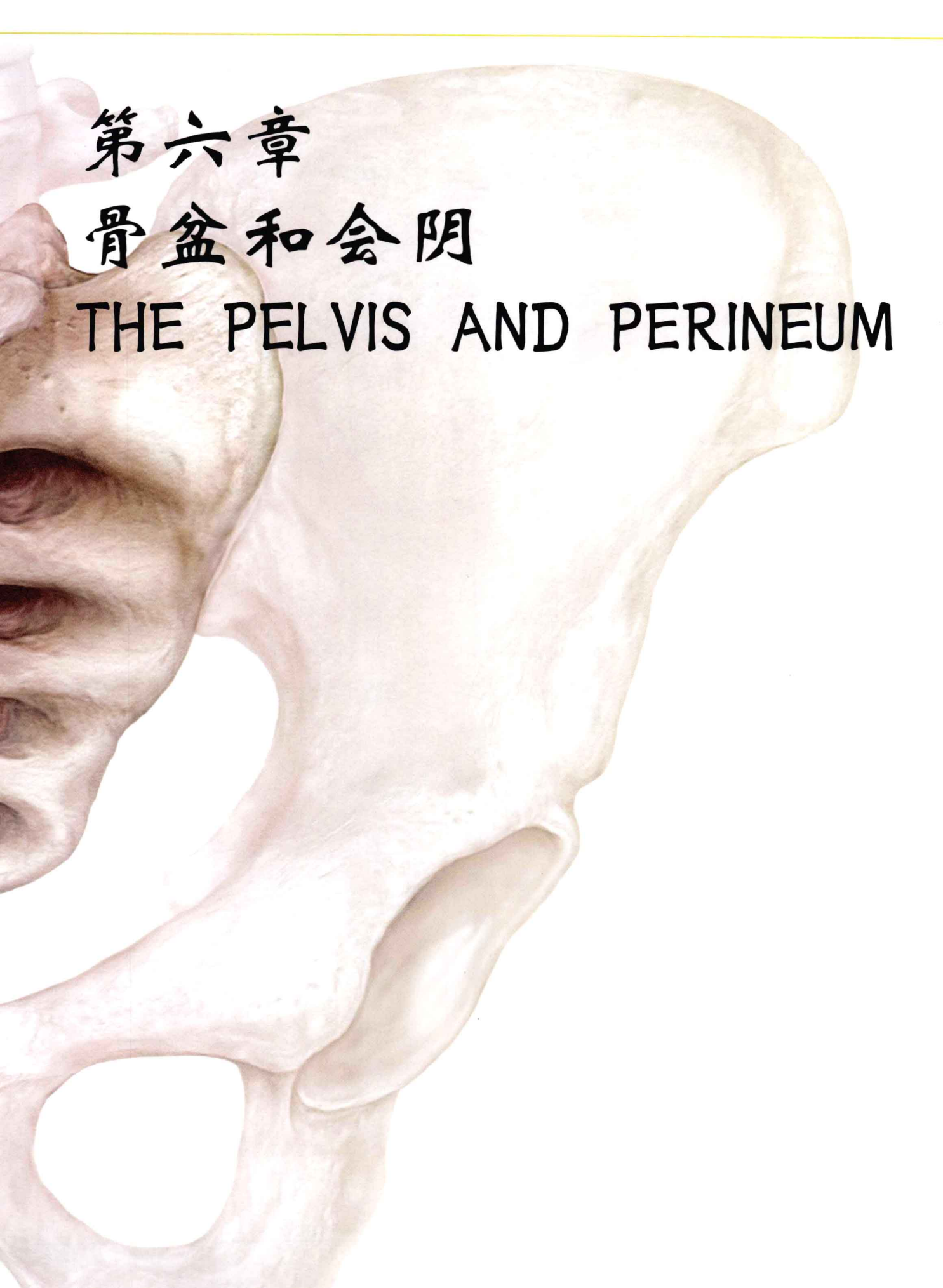


A.L3椎体平面 L3 vertebral level



B.椎体平面 L5/S1 vertebral level L5/S1



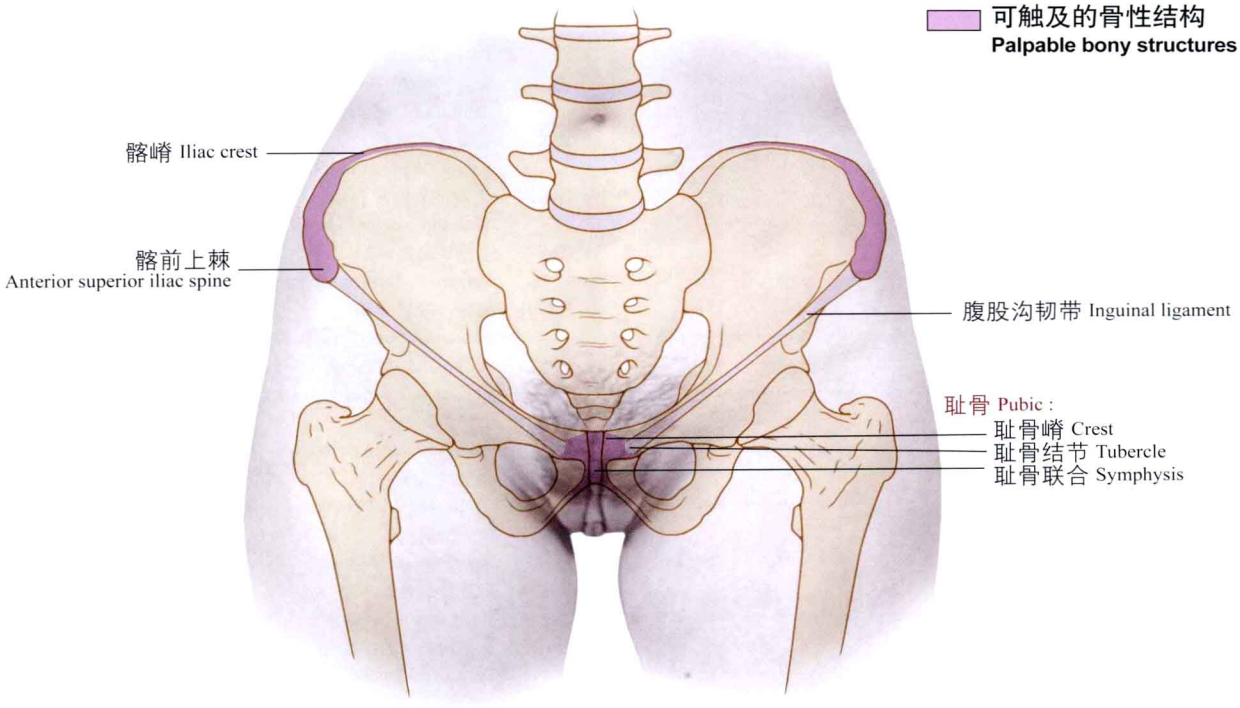


第六章
骨盆和会阴
THE PELVIS AND PERINEUM

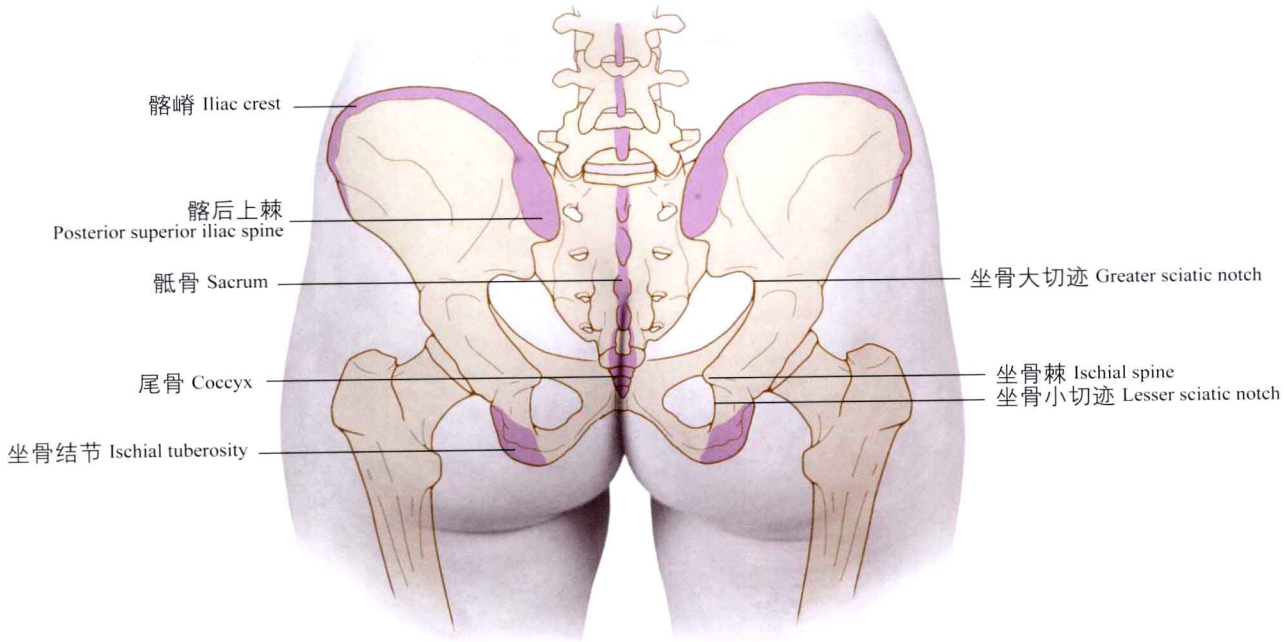
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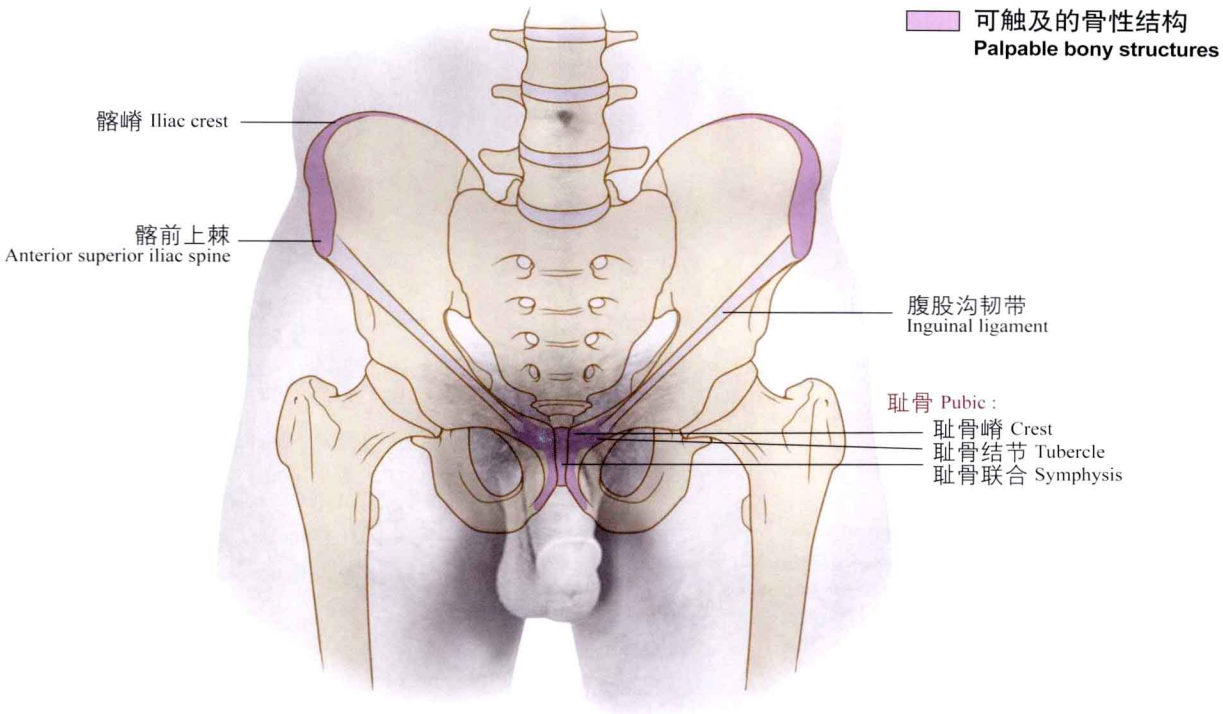
A.前面观 Anterior view



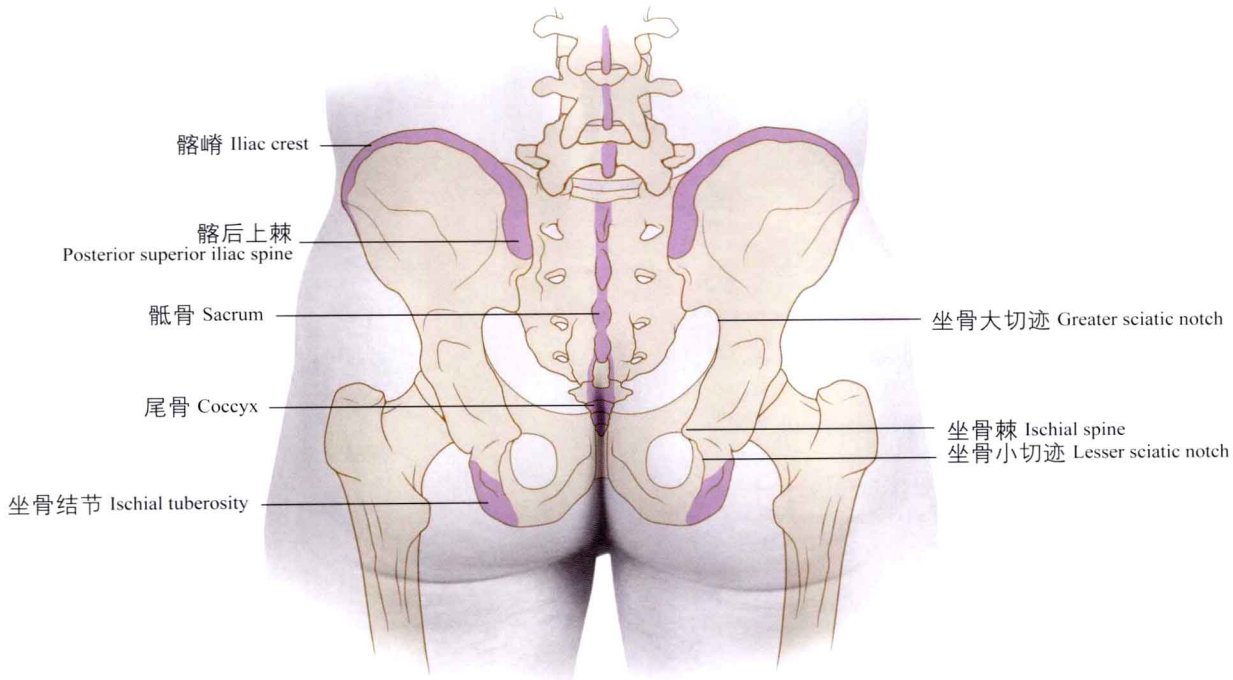
B.后面观 Posterior view



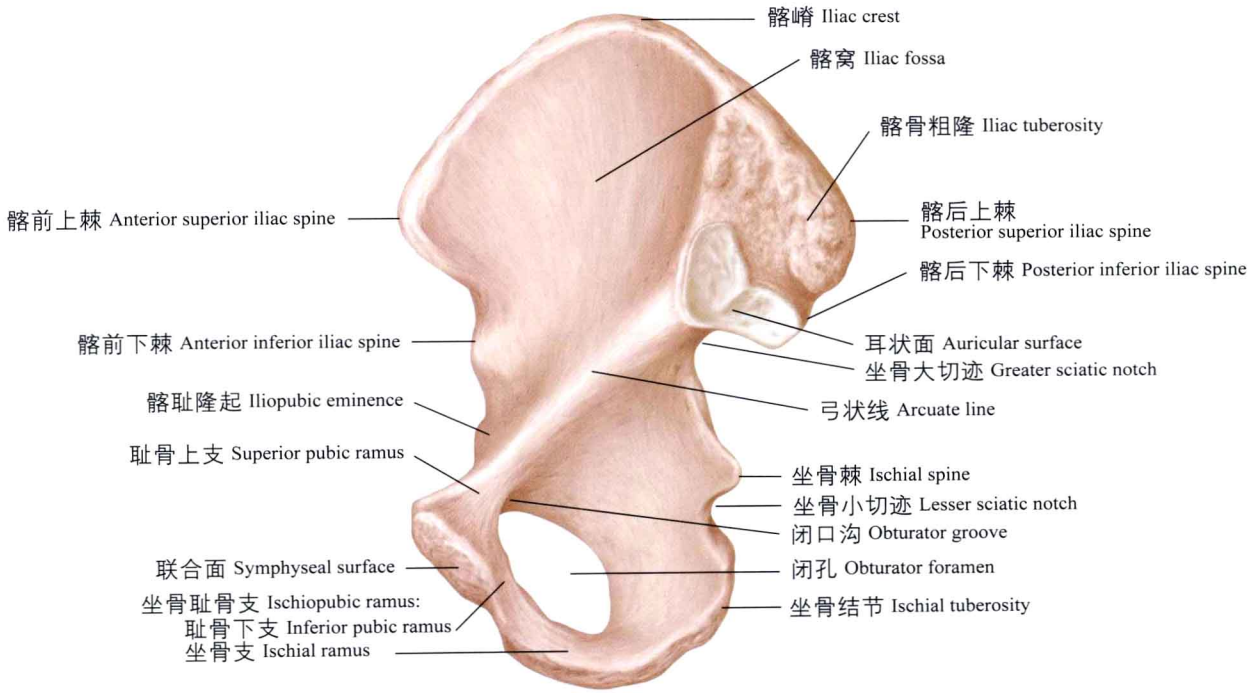
A.前面观 Anterior view



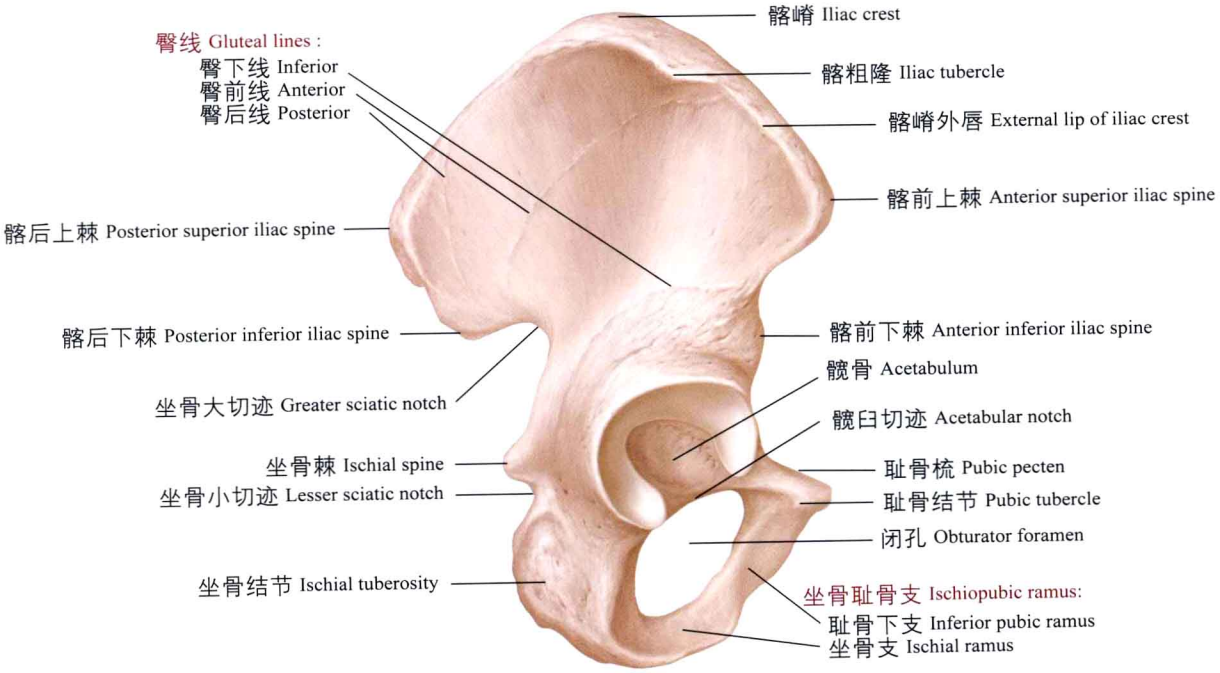
B.后面观 Posterior view



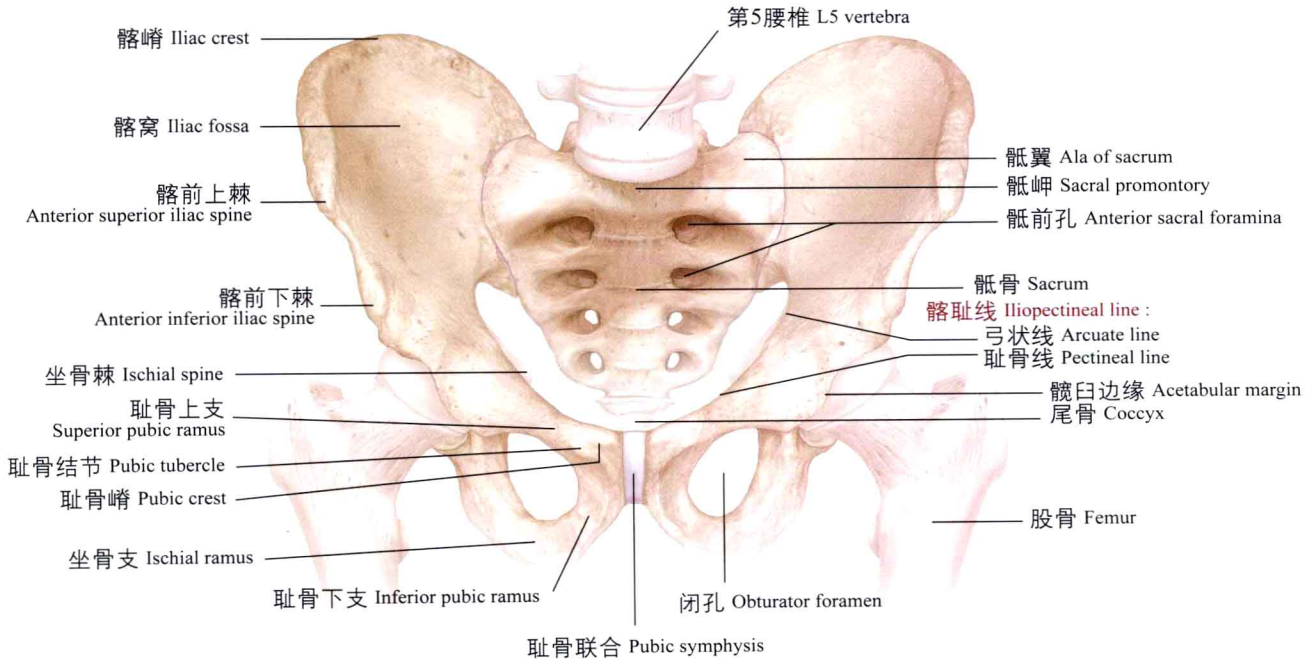
A.内侧面观 Medial view



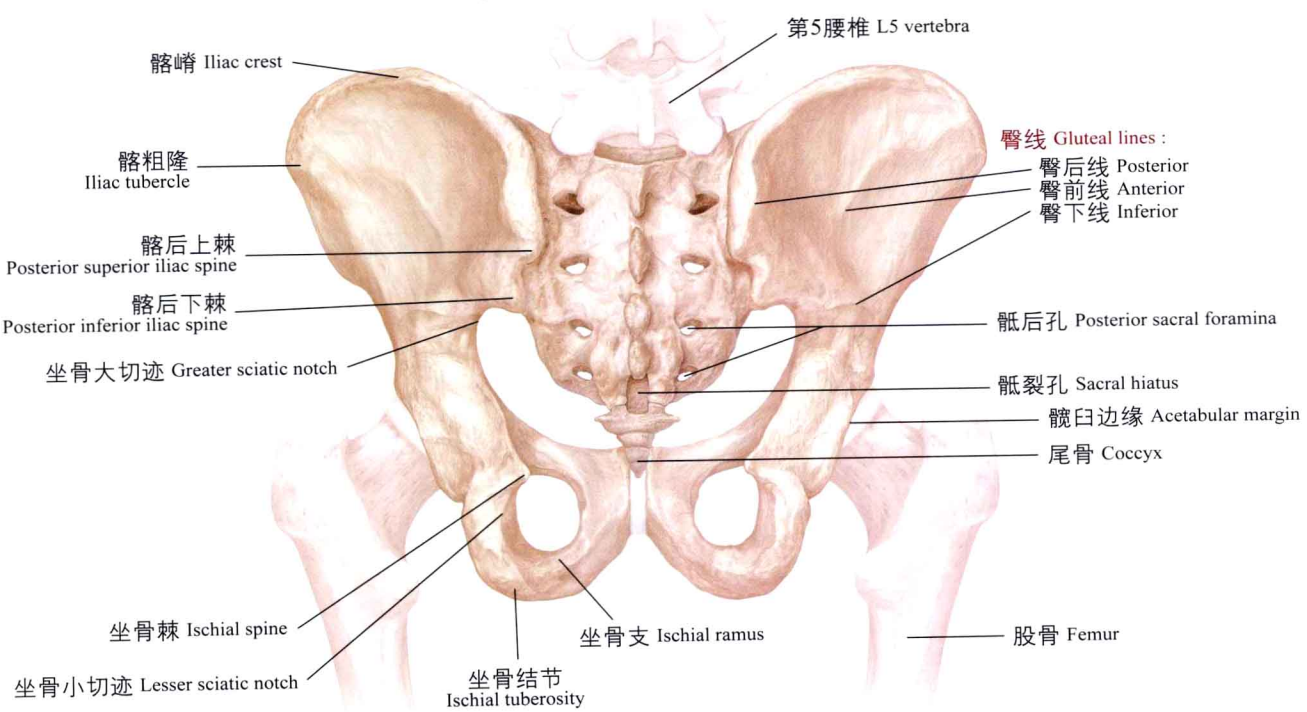
B.外侧面观 Lateral view



A.前面观 Anterior view

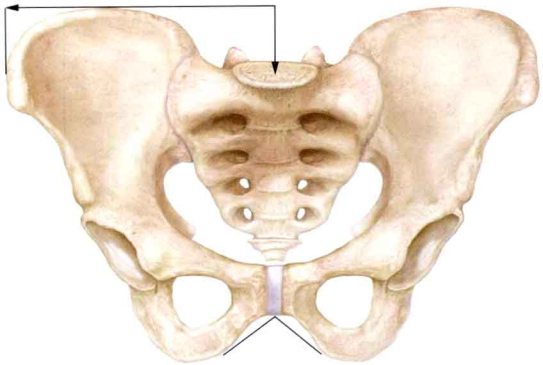


B.后面观 Posterior view



A.女性，前面观 Female , anterior view

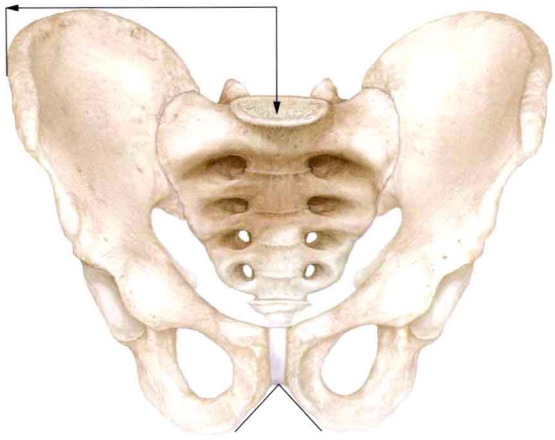
宽而浅 Broad and shallow



耻骨下角(钝)
Subpubic angle(obtuse)

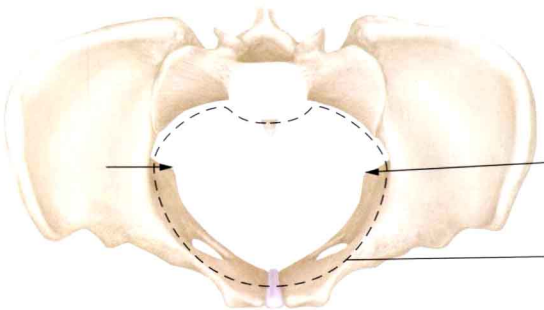
B.男性，前面观 Male, anterior view

窄而深 Narrow and deep



耻骨下角(锐)
Subpubic angle(acute)

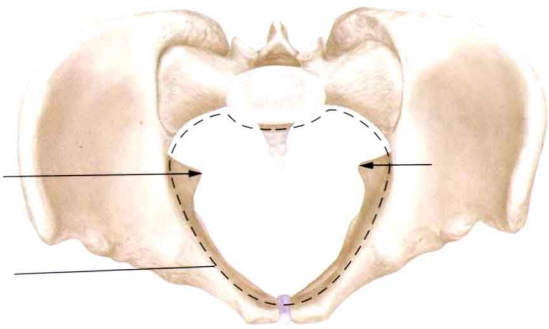
C.女性，上面观 Female,superior view



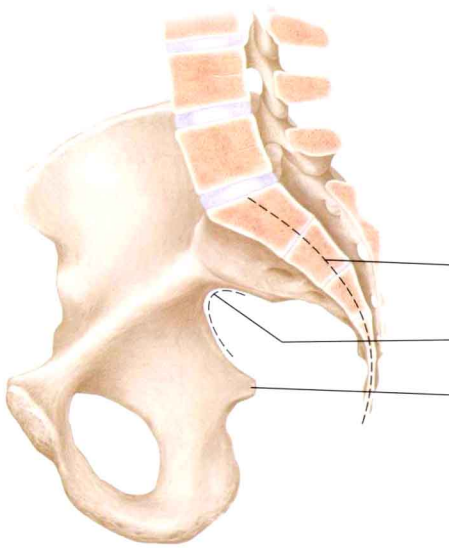
坐骨棘间距
Distance between ischial spine

骨盆入口形状
Shape of pelvic inlet

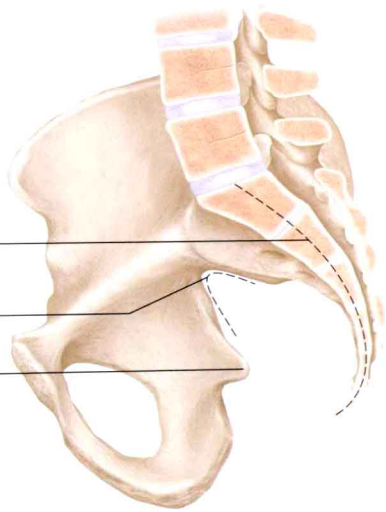
D.男性，上面观 Male,superior view



E.女性，内面观 Female, medial view



F.男性，内面观 Male, medial view

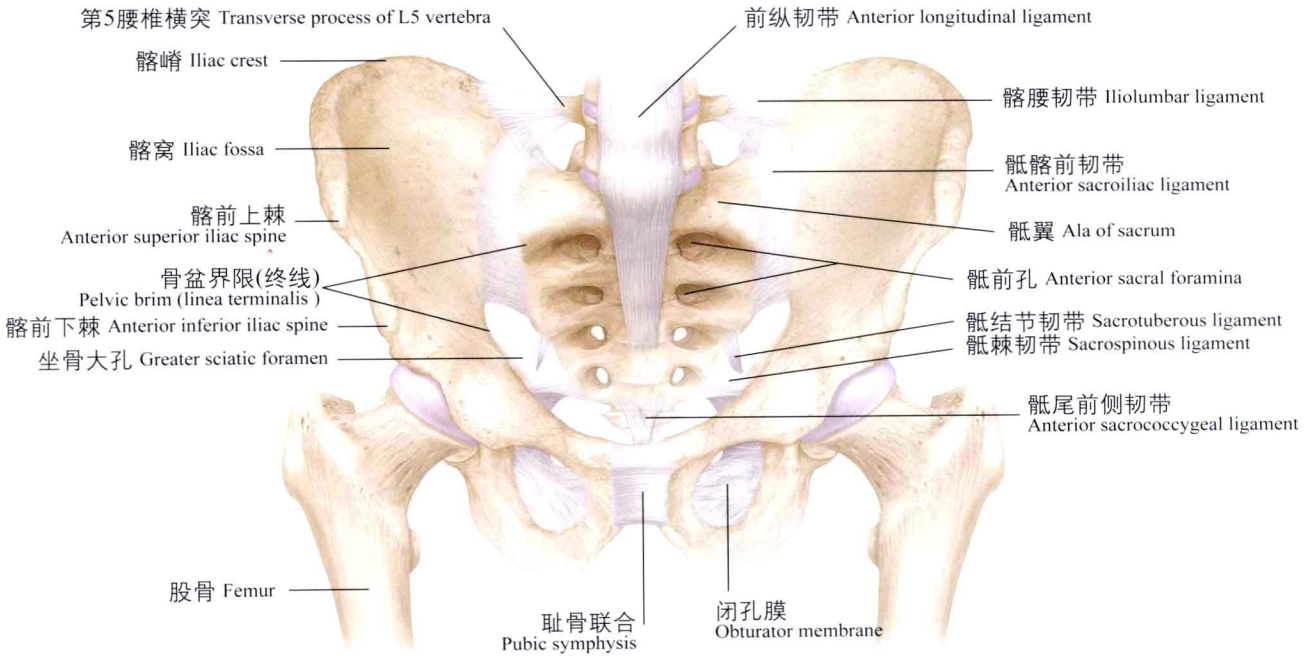


骶骨曲度
Curvature of sacrum

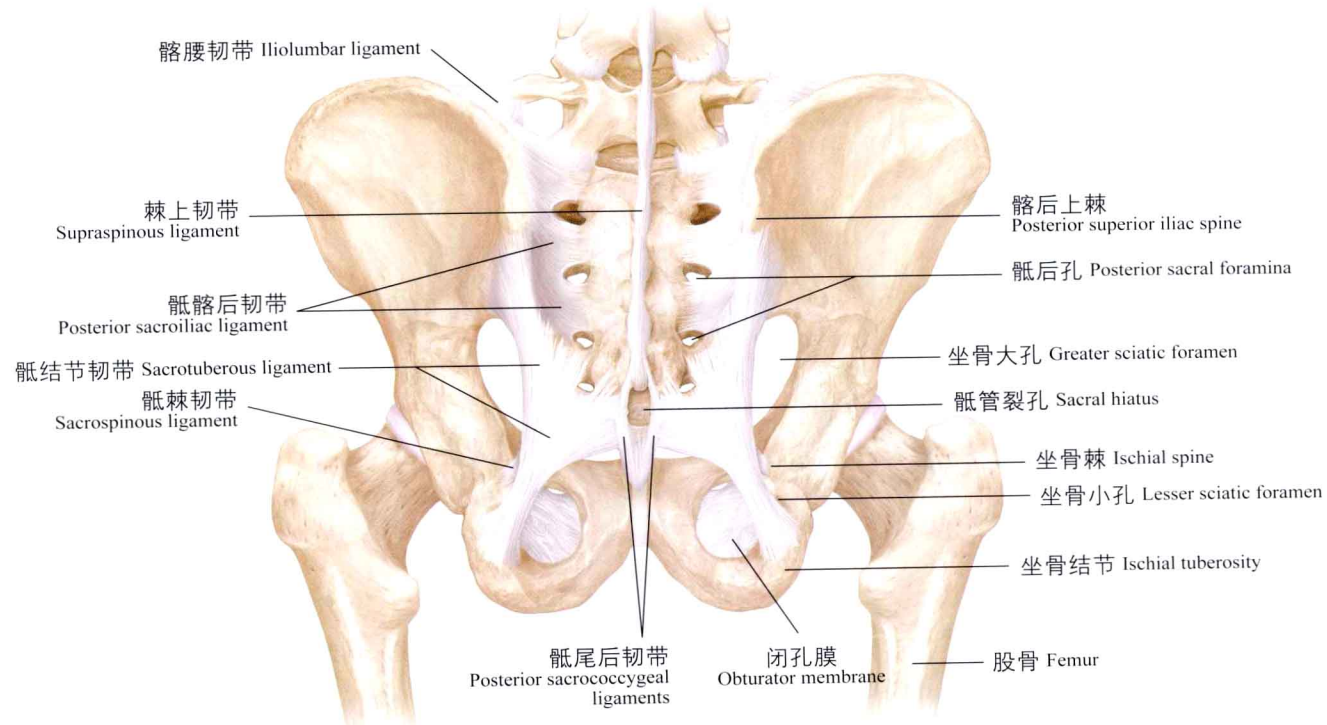
坐骨大切迹形状
Shape of greater sciatic notch

坐骨棘
Ischial spine

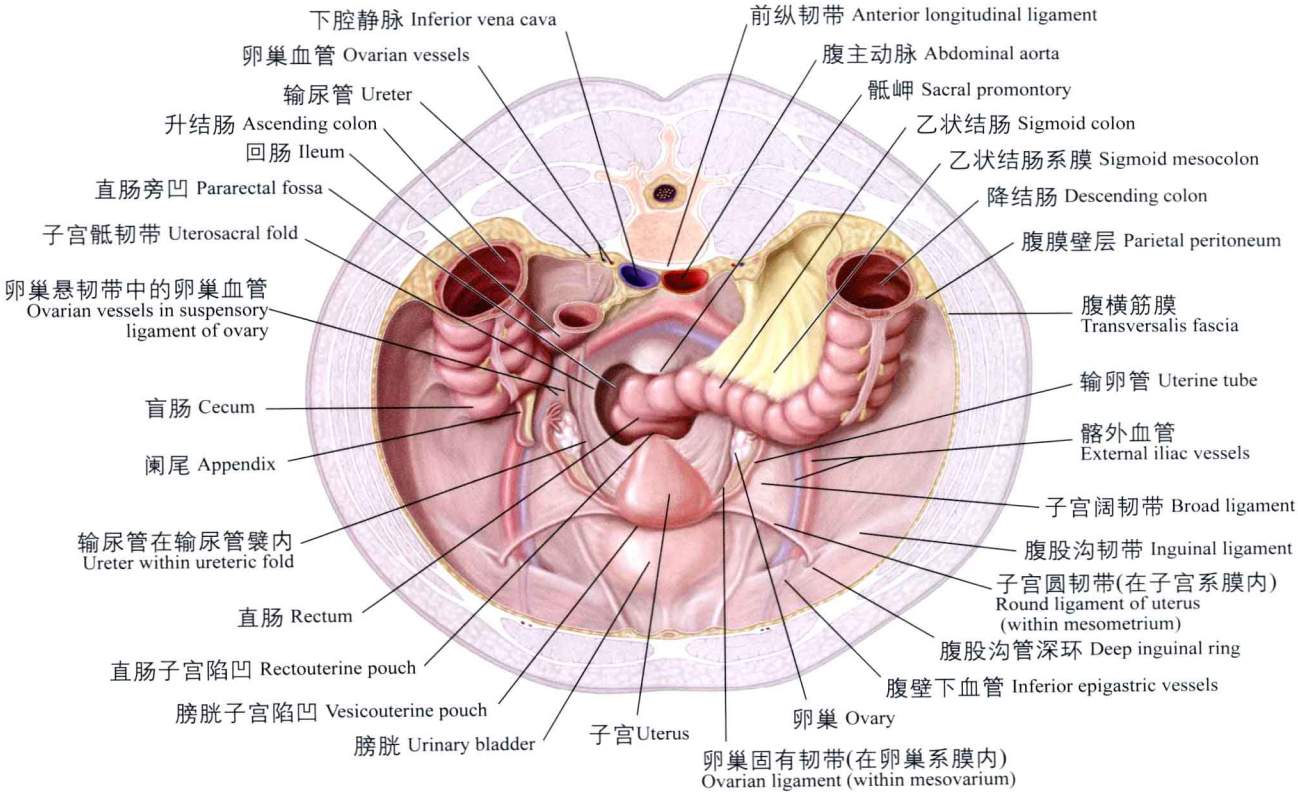
A.前面观 Anterior view



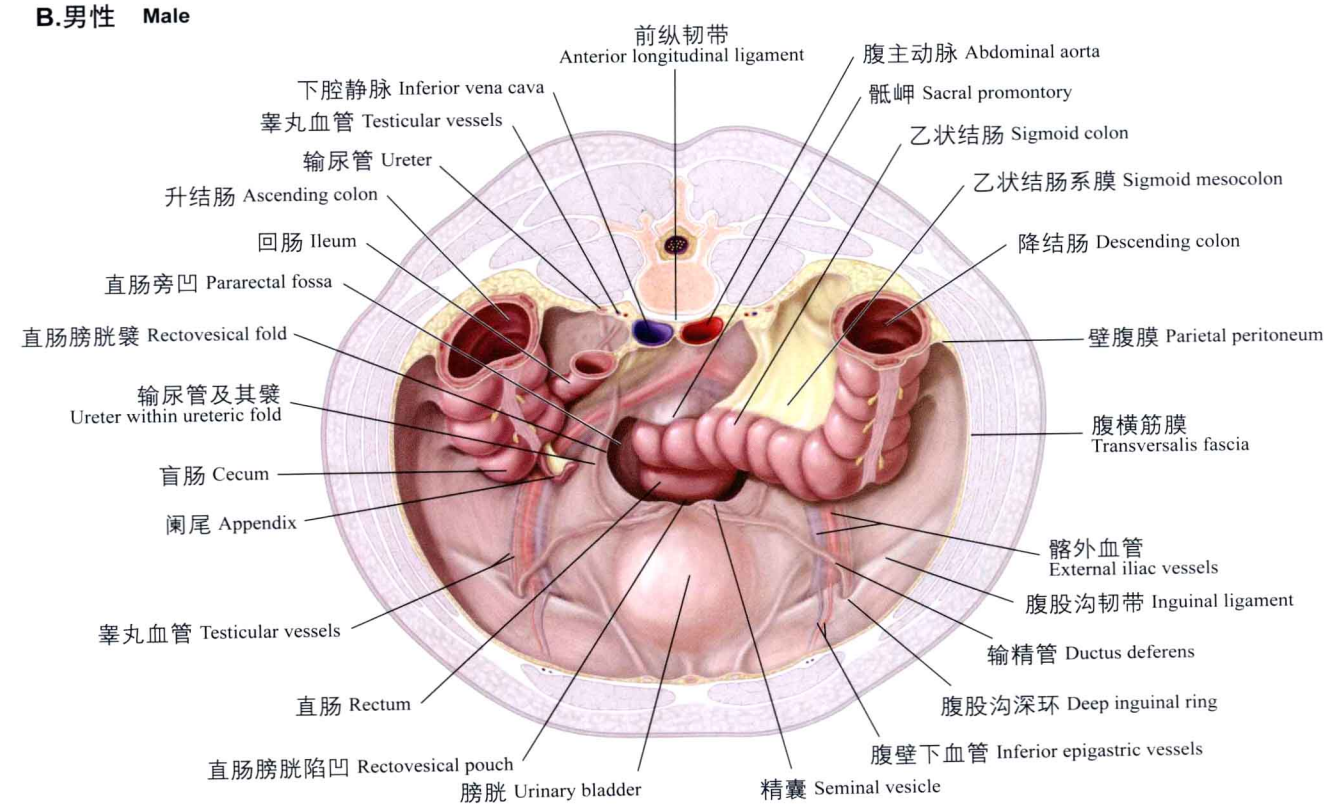
B.后面观 Posterior view



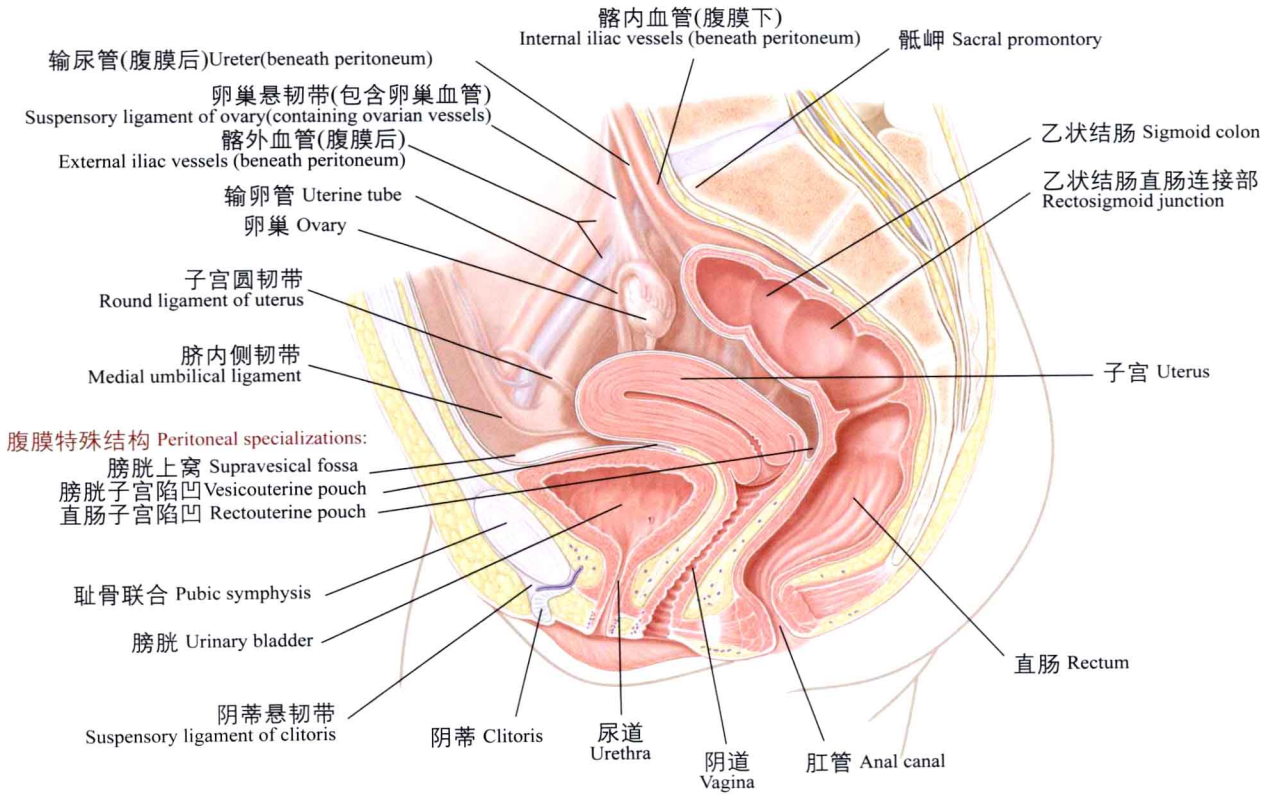
A.女性 Female



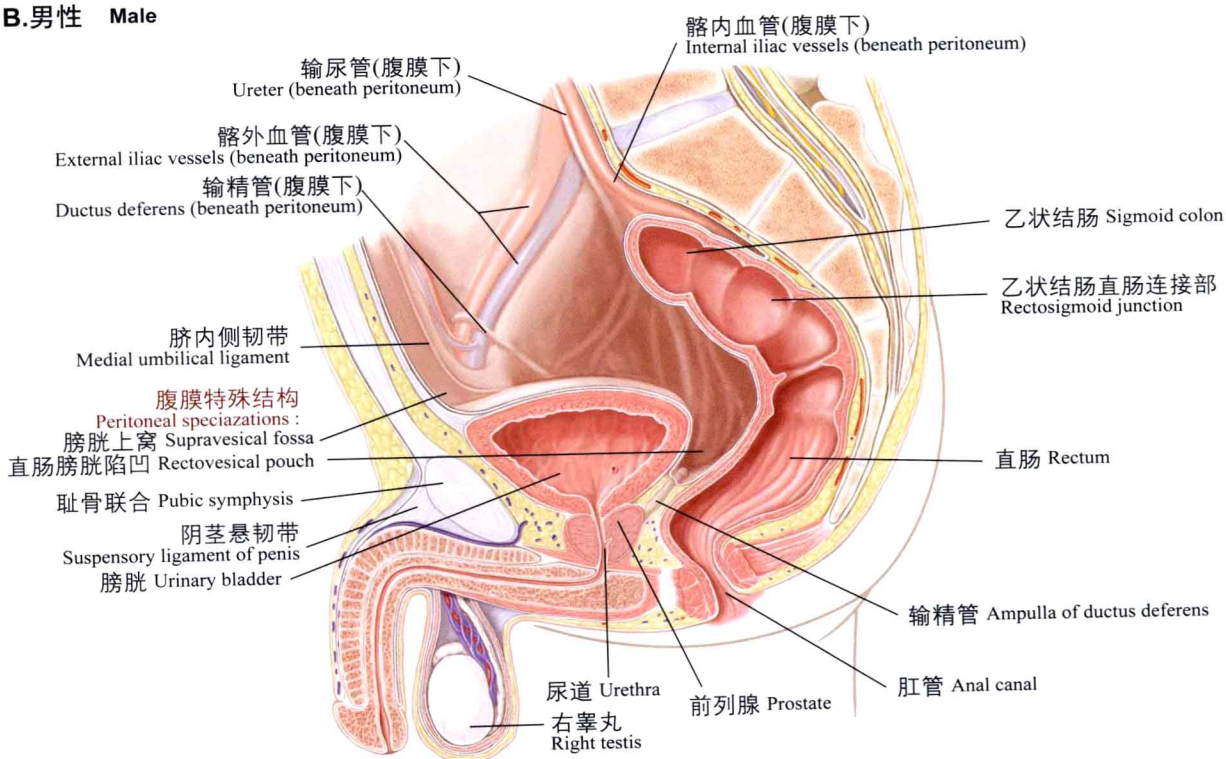
B.男性 Male



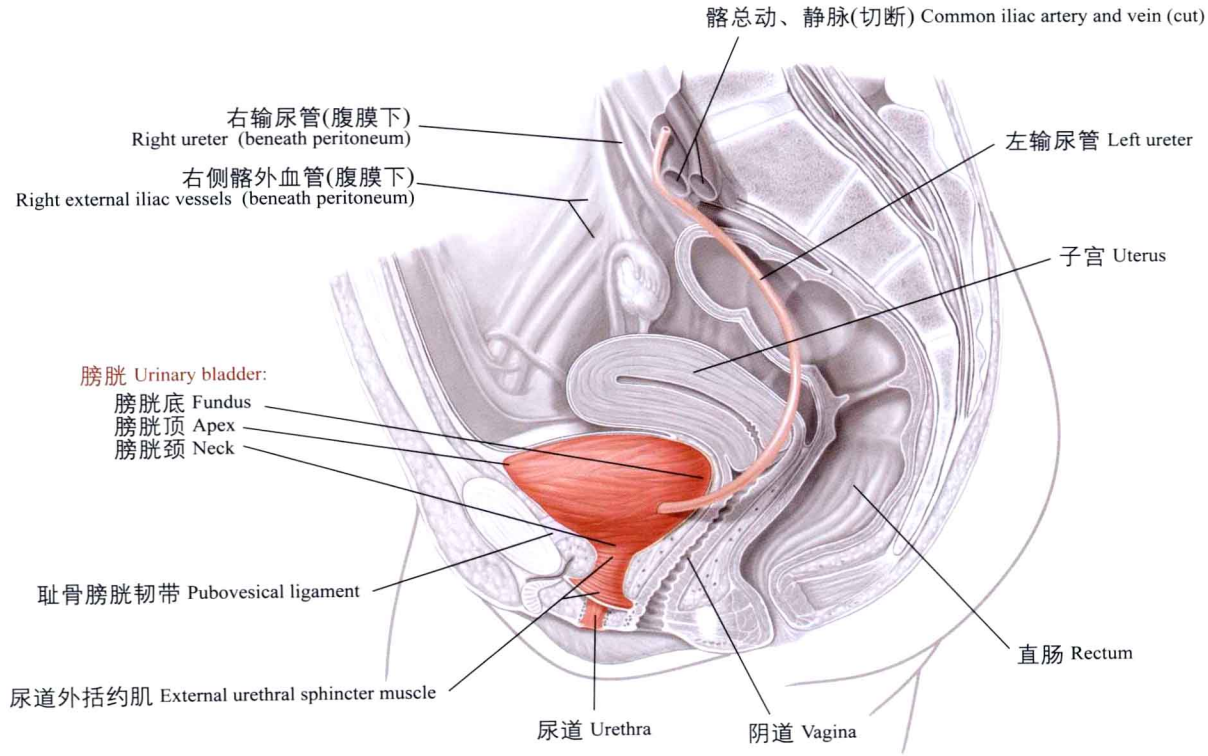
A.女性 Female



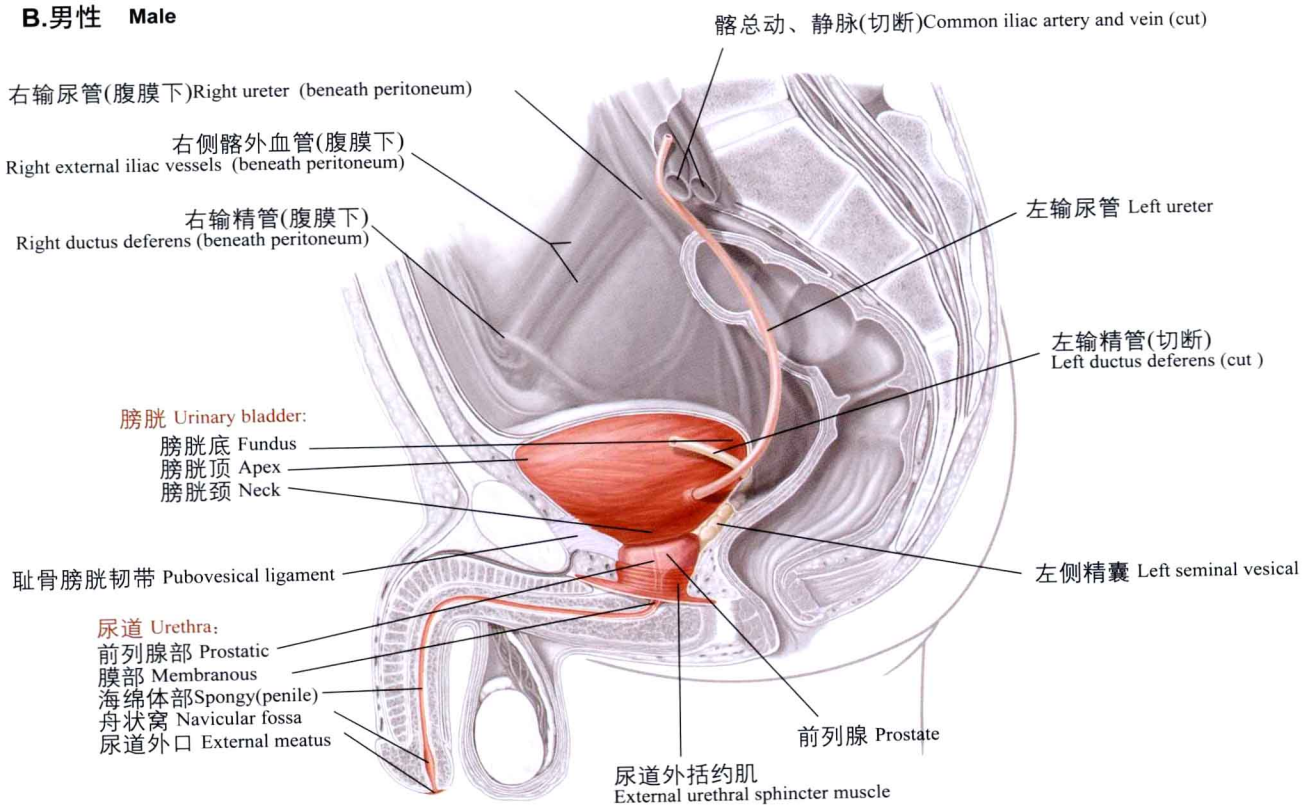
B.男性 Male



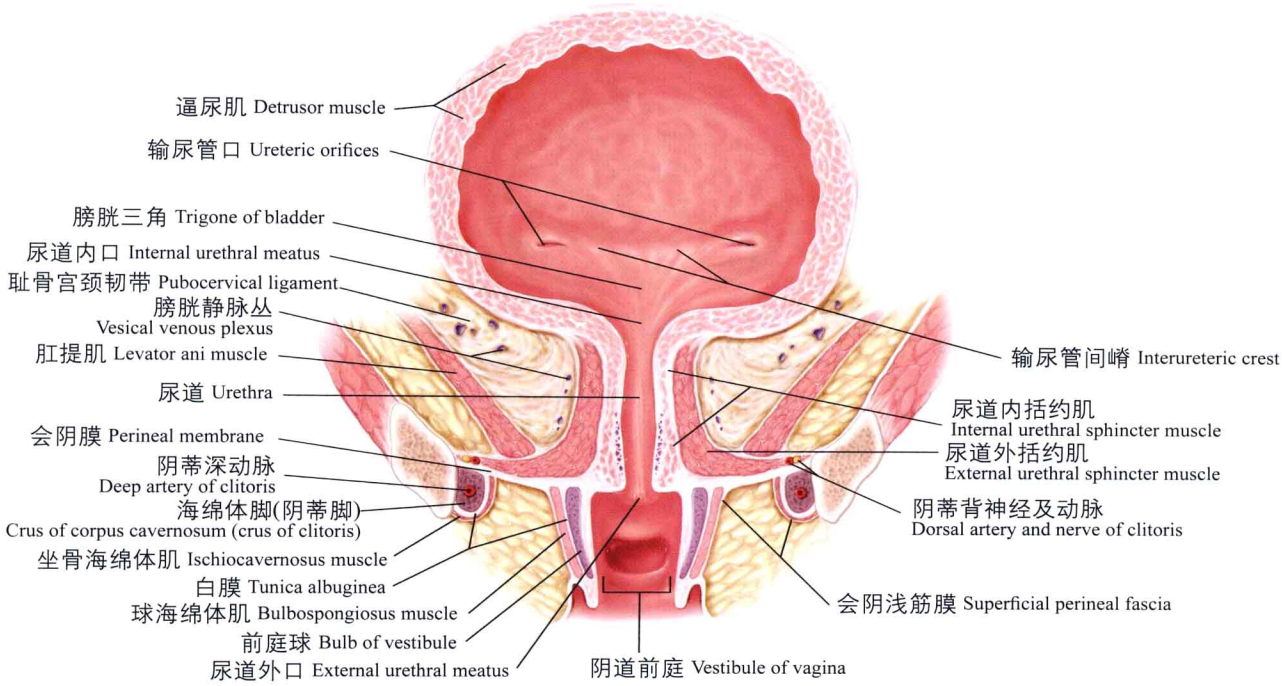
A.女性 Female



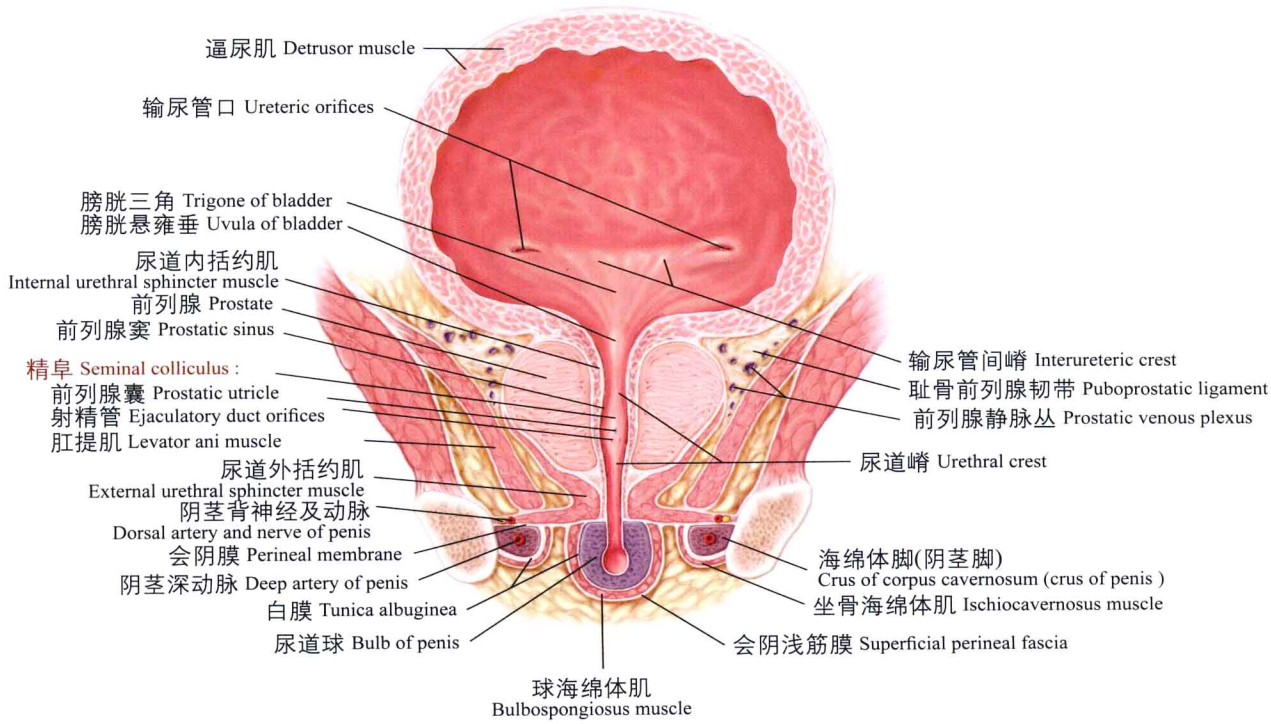
B.男性 Male



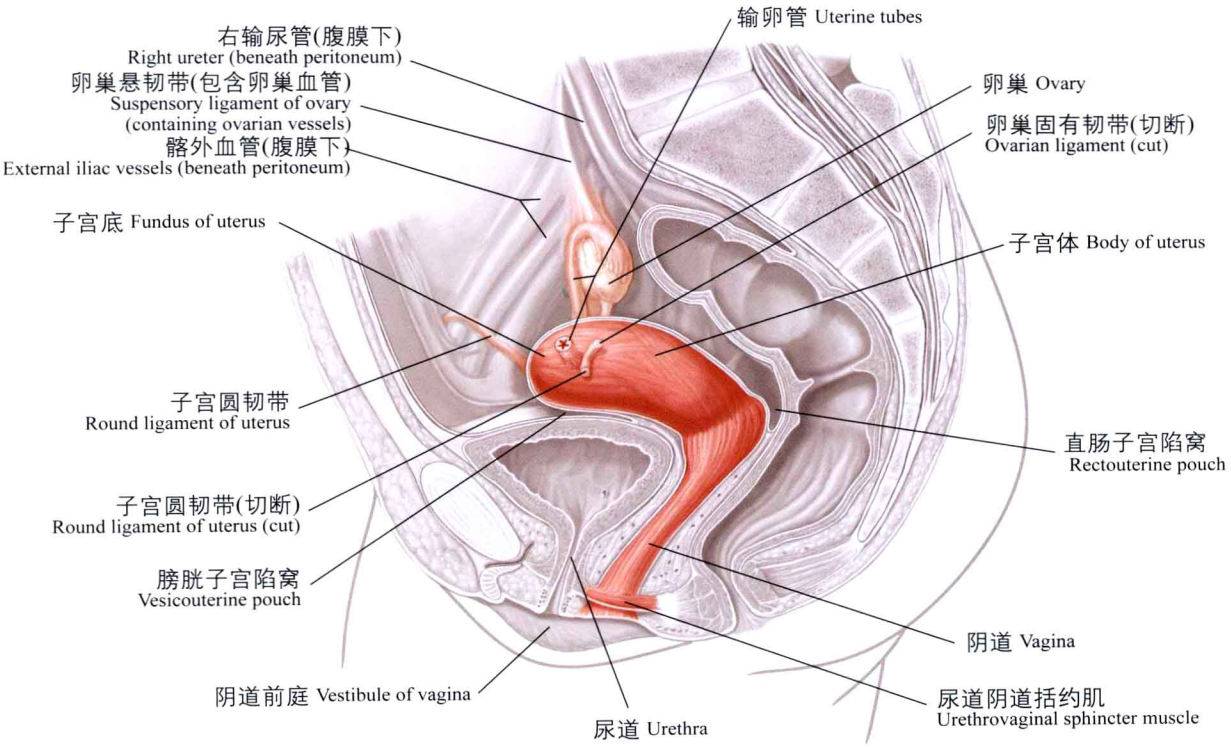
A.女性 Female



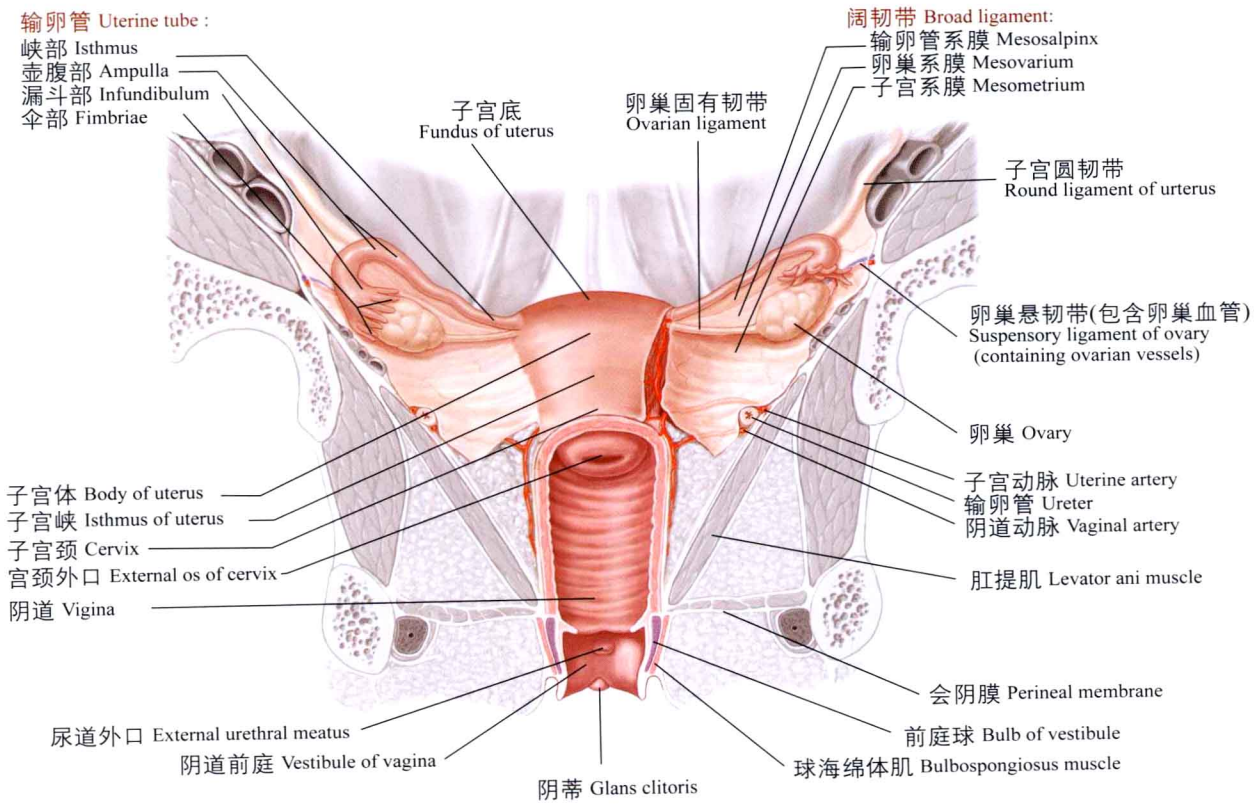
B.男性 Male



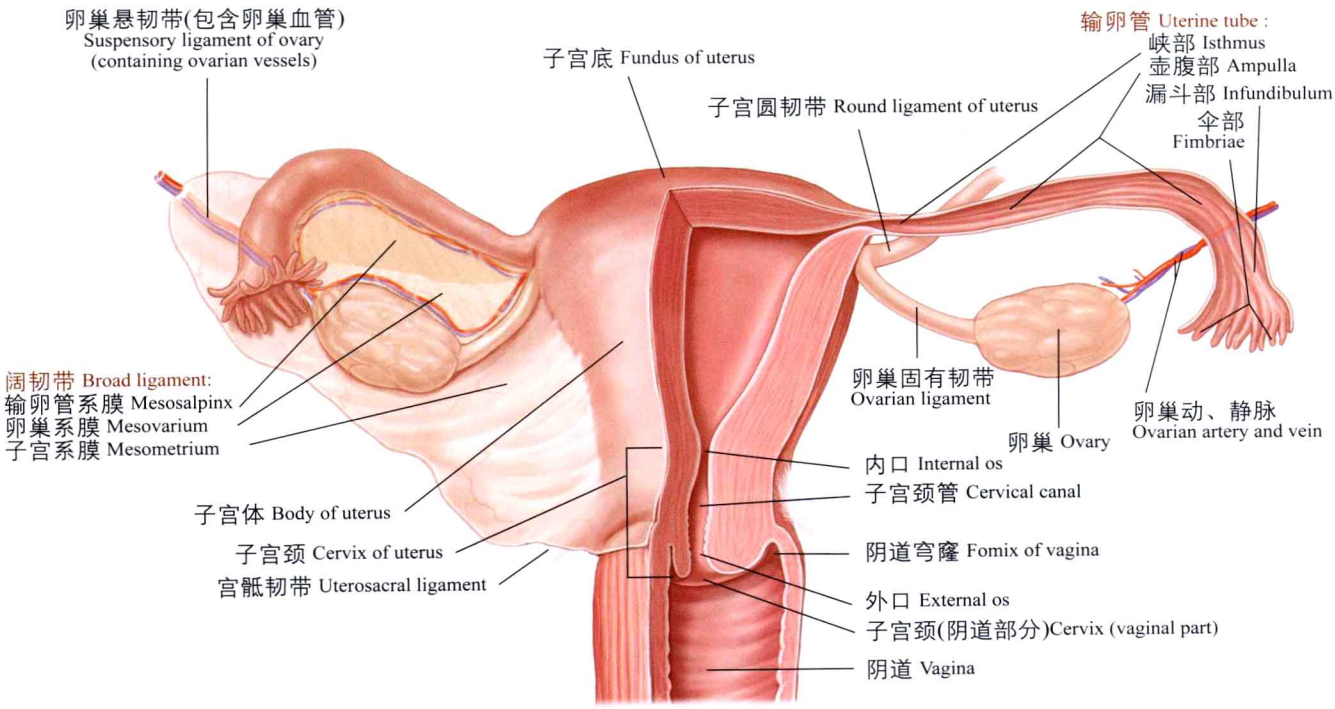
A.侧面观 Lateral view



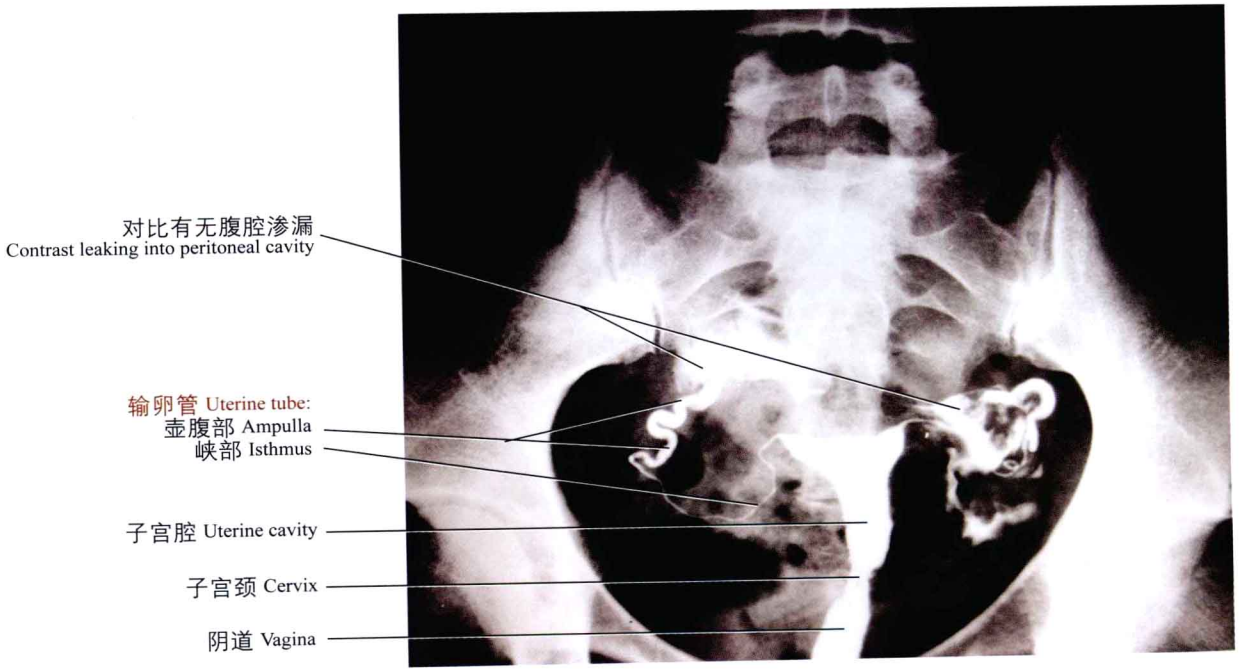
B.后面观 Posterior view



A.后面观 Posterior view

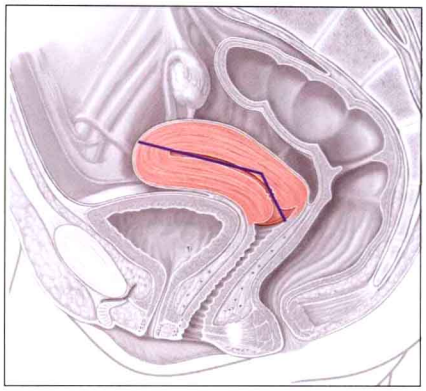


B.子宫输卵管造影片 Hysterosalpingogram

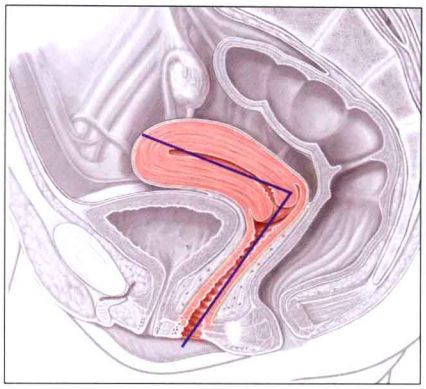


A.正常位置 Normal positions

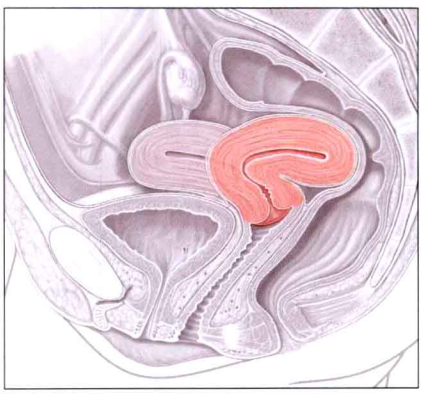
前屈 Anteflexed



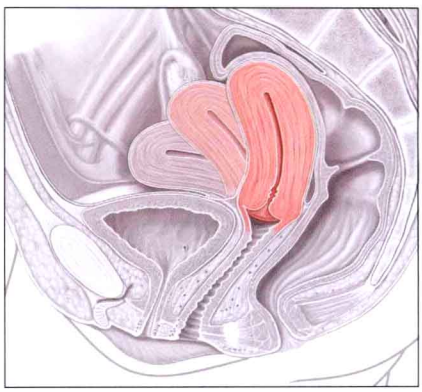
前倾 Anteverted



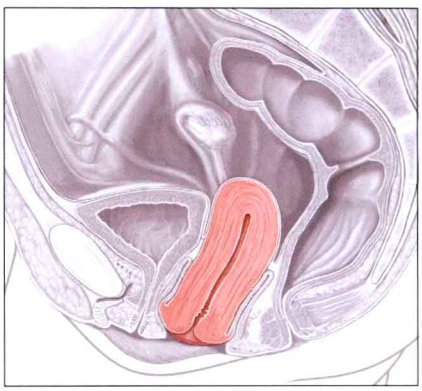
B.后屈 Retroflexed



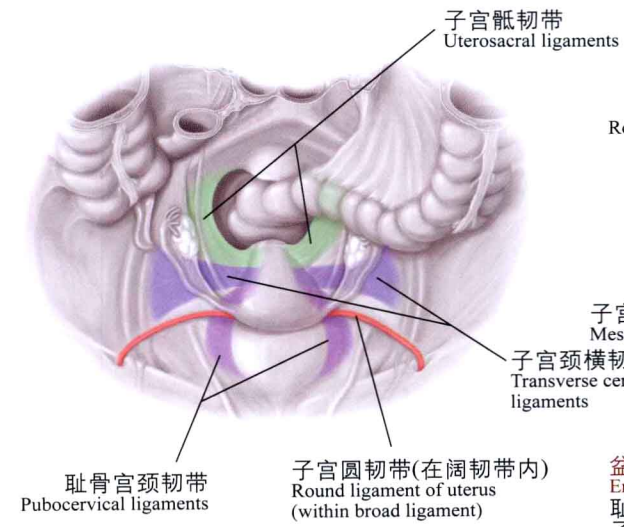
C.后倾 Retroverted



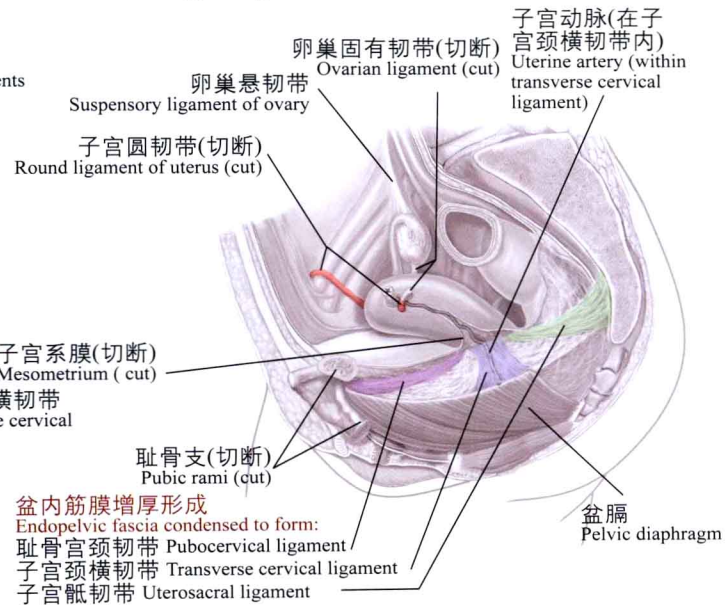
D.脱垂 Prolapsed



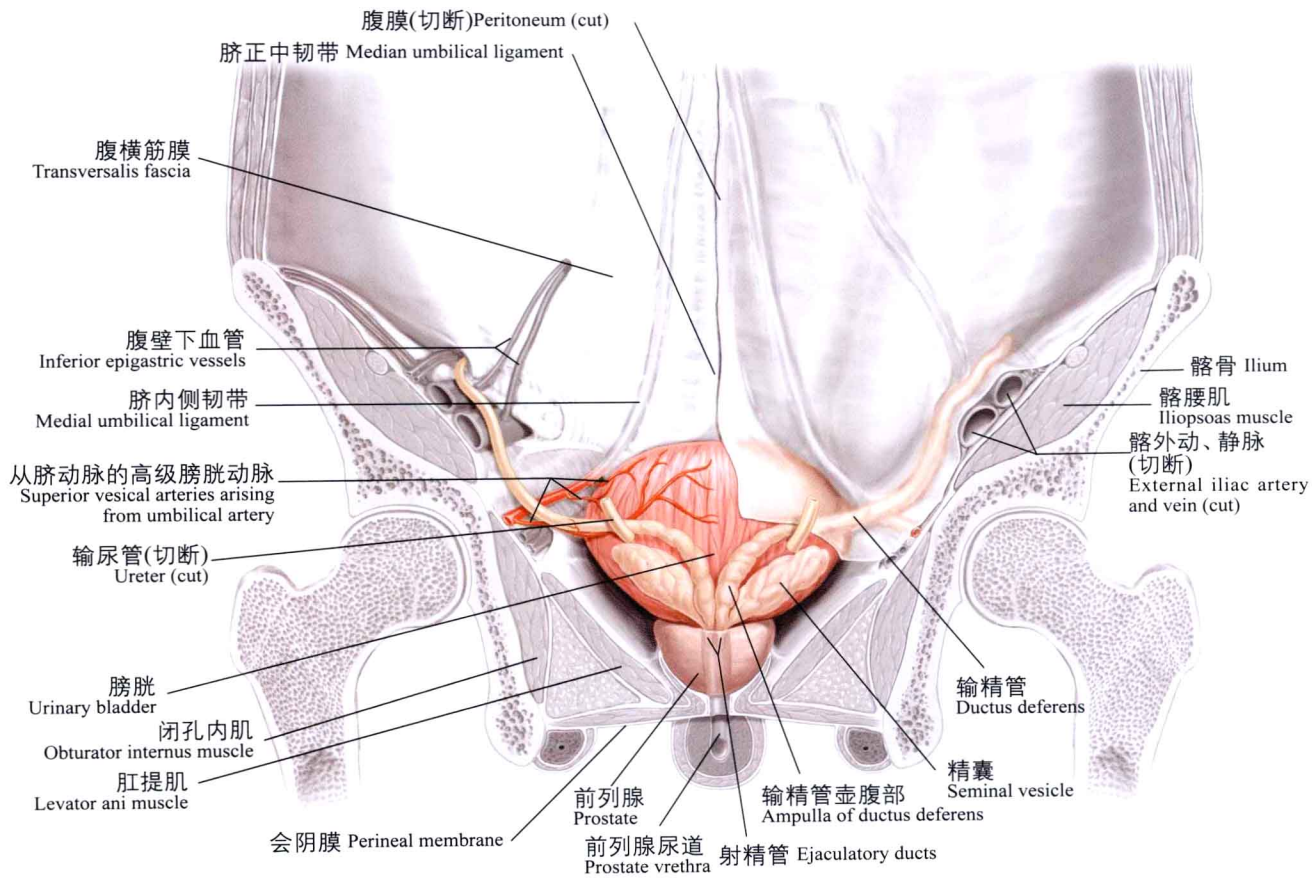
E.子宫的固定装置，上面观
Supporting structures of the uterus, superior view



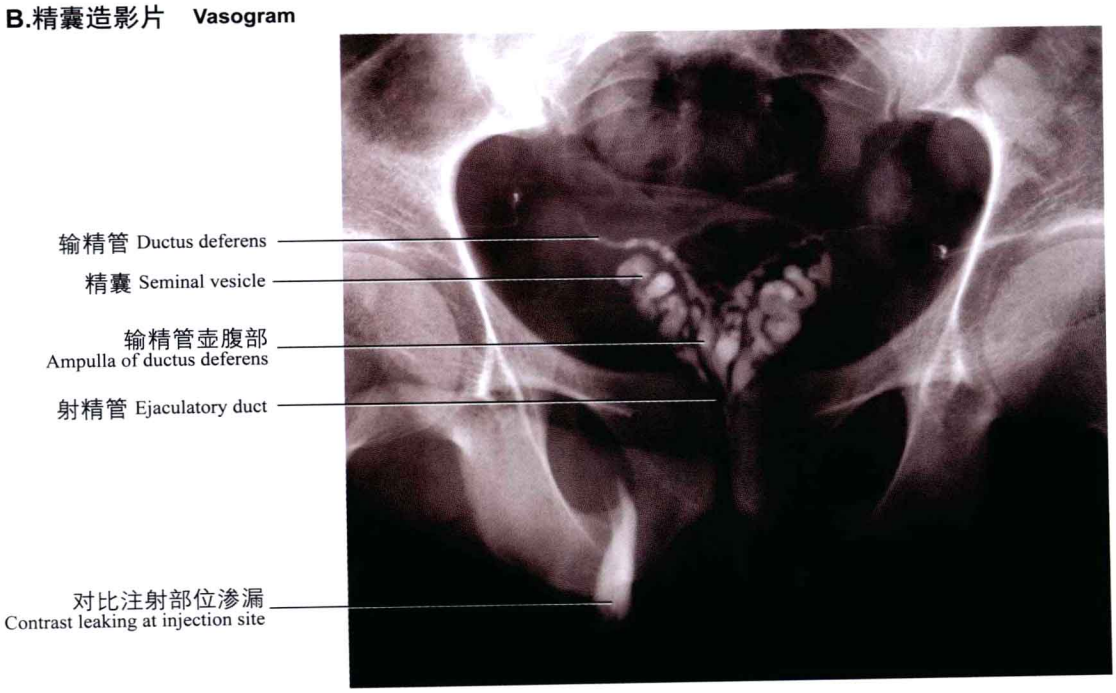
F.子宫的固定装置，侧面观
Supporting structures of uterus, lateral view

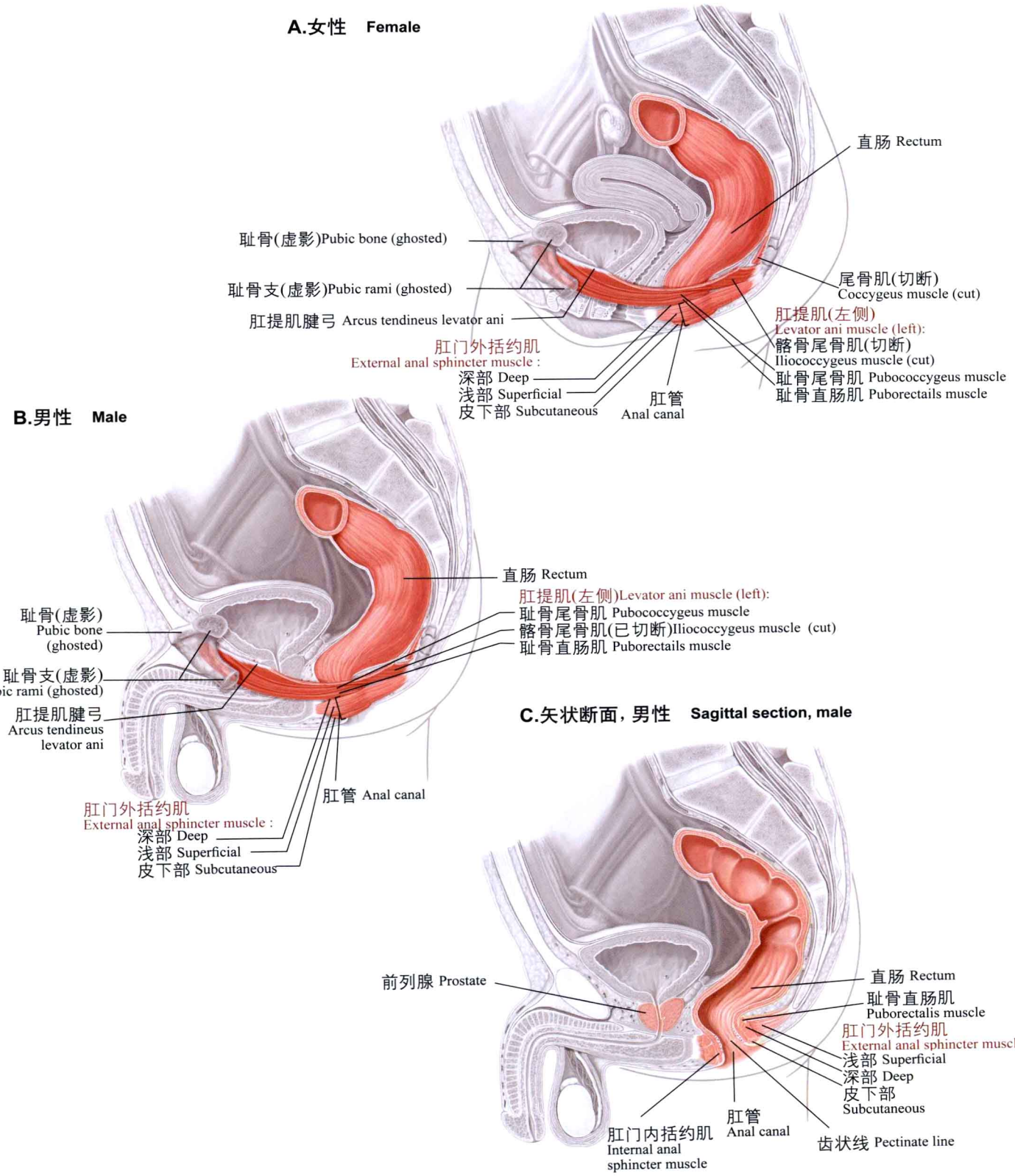


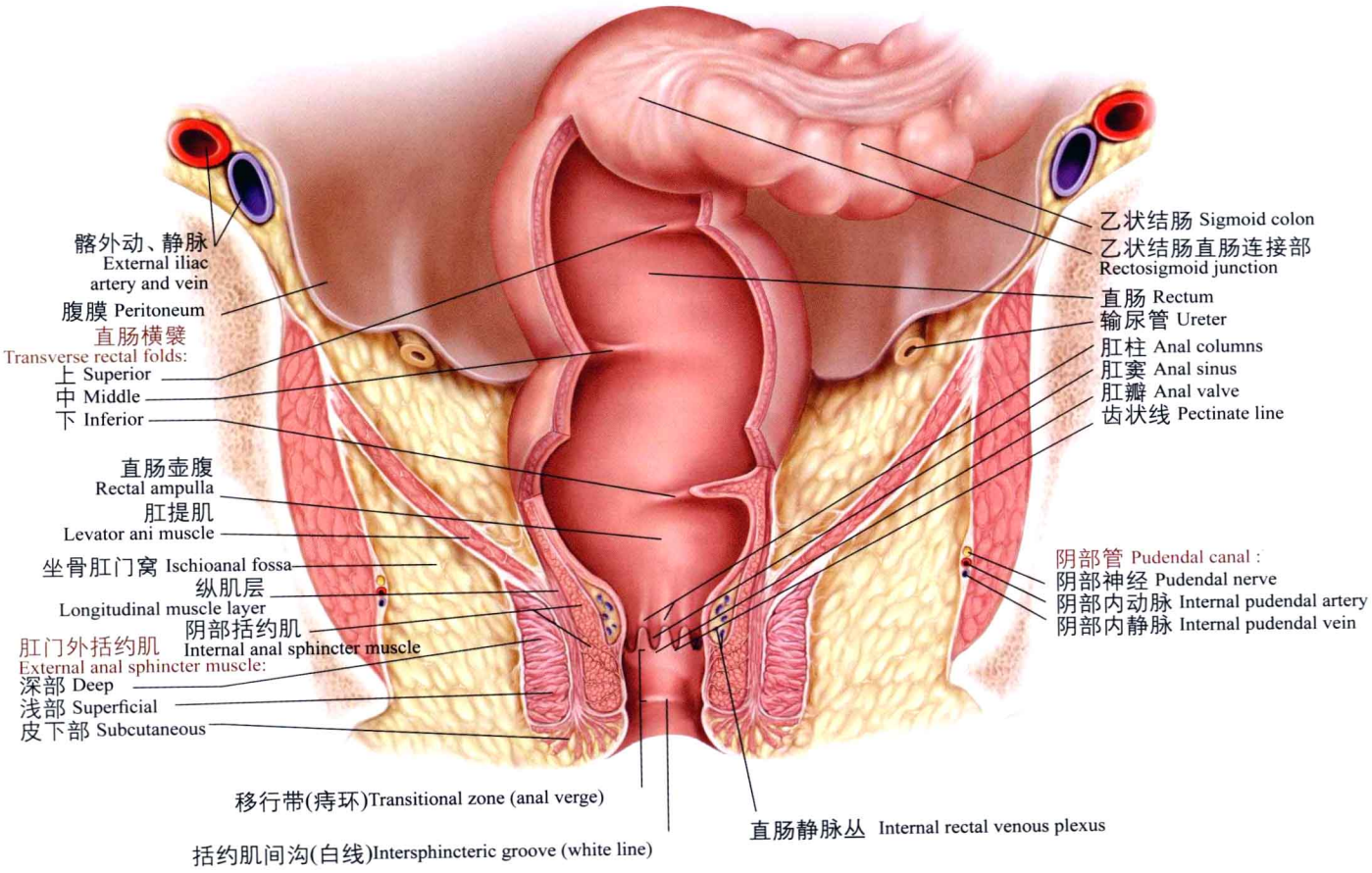
A.后面观 Posterior view



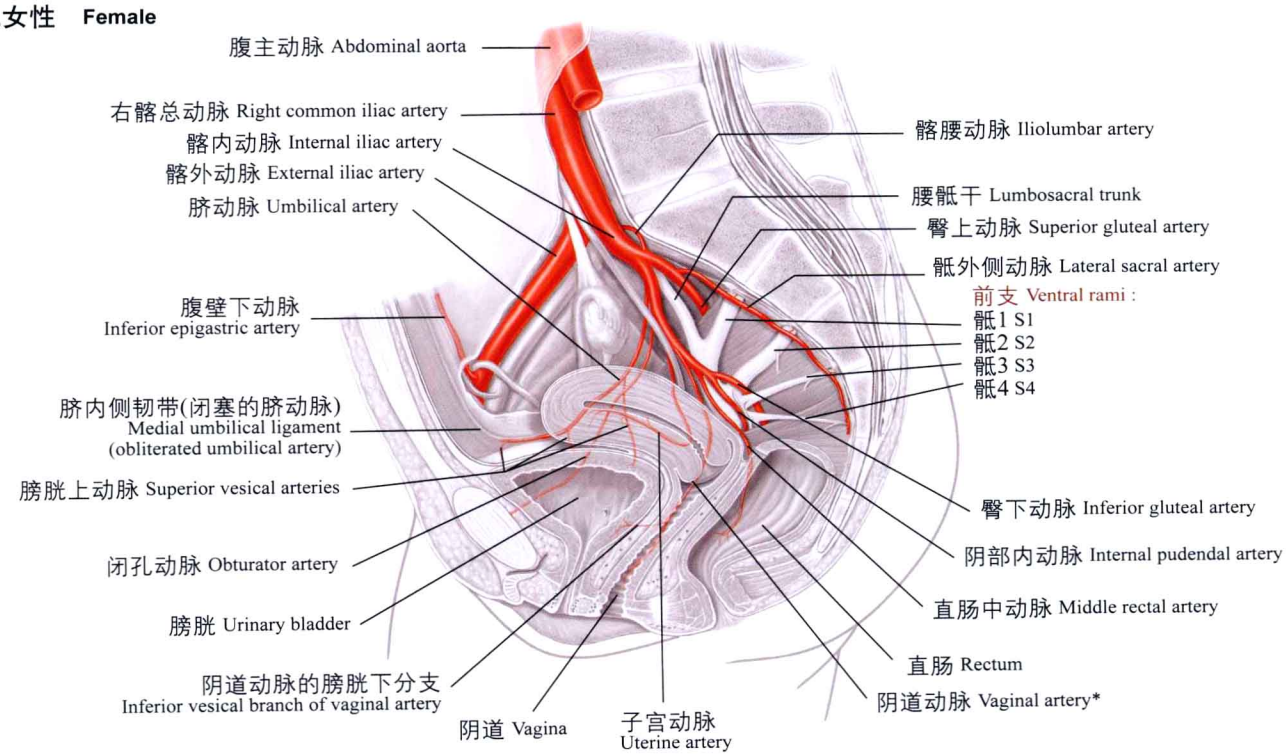
B.精囊造影片 Vasogram




A.女性 Female
直肠 Rectum
耻骨(虚影)Pubic bone (ghosted)
耻骨支(虚影)Pubic rami (ghosted)
肛提肌腱弓 Arcus tendineus levator ani
肛门外括约肌
External anal sphincter muscle :
深部 Deep
浅部 Superficial
皮下部 Subcutaneous
肛管
Anal canal
尾骨肌(切断)
Coccygeus muscle (cut)
肛提肌(左侧)
Levator ani muscle (left):
髂骨尾骨肌(切断)
Iliococcygeus muscle (cut)
耻骨尾骨肌 Pubococcygeus muscle
耻骨直肠肌 Puborectalis muscle
B.男性 Male
直肠 Rectum
肛提肌(左侧)Levator ani muscle (left):
耻骨尾骨肌 Pubococcygeus muscle
髂骨尾骨肌(已切断)Iliococcygeus muscle (cut)
耻骨直肠肌 Puborectalis muscle
耻骨(虚影)
Pubic bone
(ghosted)
耻骨支(虚影)
Pubic rami (ghosted)
肛提肌腱弓
Arcus tendineus
levator ani
肛门外括约肌
External anal sphincter muscle :
深部 Deep
浅部 Superficial
皮下部 Subcutaneous
肛管 Anal canal
C.矢状断面，男性 Sagittal section, male
前列腺 Prostate
直肠 Rectum
耻骨直肠肌
Puborectalis muscle
肛门外括约肌
External anal sphincter muscle:
浅部 Superficial
深部 Deep
皮下部
Subcutaneous
肛门内括约肌
Internal anal
sphincter muscle
肛管
Anal canal
齿状线 Pectinate line

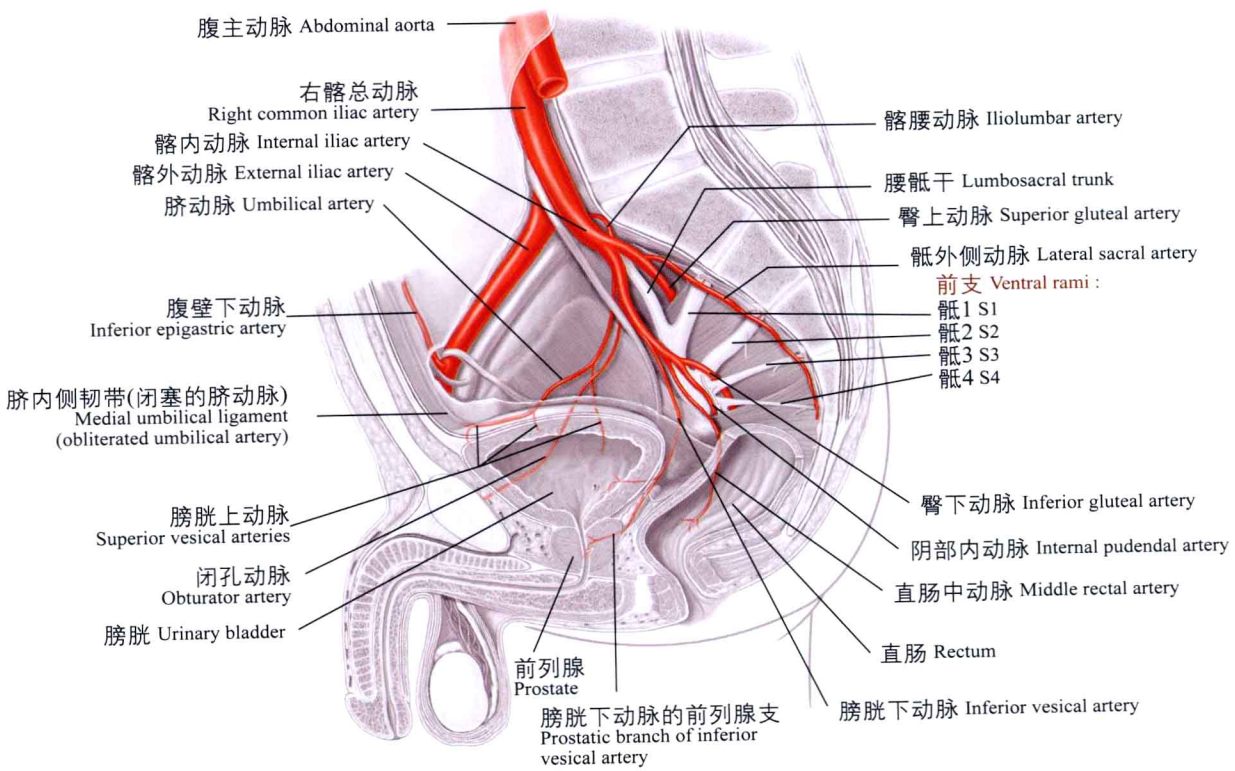

髂外动、静脉
External iliac artery and vein
腹膜 Peritoneum
直肠横襞
Transverse rectal folds:
上 Superior
中 Middle
下 Inferior
直肠壶腹
Rectal ampulla
肛提肌
Levator ani muscle
坐骨肛门窝 Ischioanal fossa
纵肌层
Longitudinal muscle layer
阴部括约肌
Internal anal sphincter muscle
肛门外括约肌
External anal sphincter muscle:
深部 Deep
浅部 Superficial
皮下部 Subcutaneous
乙状结肠 Sigmoid colon
乙状结肠直肠连接部
Rectosigmoid junction
直肠 Rectum
输尿管 Ureter
肛柱 Anal columns
肛窦 Anal sinus
肛瓣 Anal valve
齿状线 Pectinate line
阴部管 Pudendal canal :
阴部神经 Pudendal nerve
阴部内动脉 Internal pudendal artery
阴部内静脉 Internal pudendal vein
移行带(痔环)Transitional zone (anal verge)
括约肌间沟(白线)Intersphincteric groove (white line)
直肠静脉丛 Internal rectal venous plexus

A.女性 Female

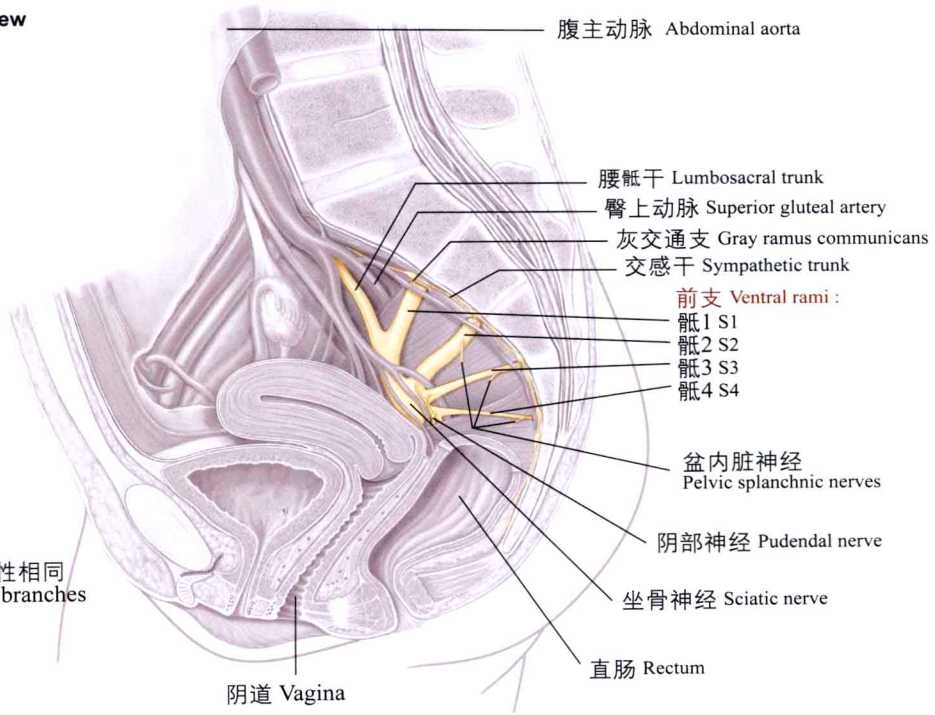


11%的阴道动脉来源于子宫动脉
Vaginal artery arises from uterine artery in 11% of cases

B.男性 Male

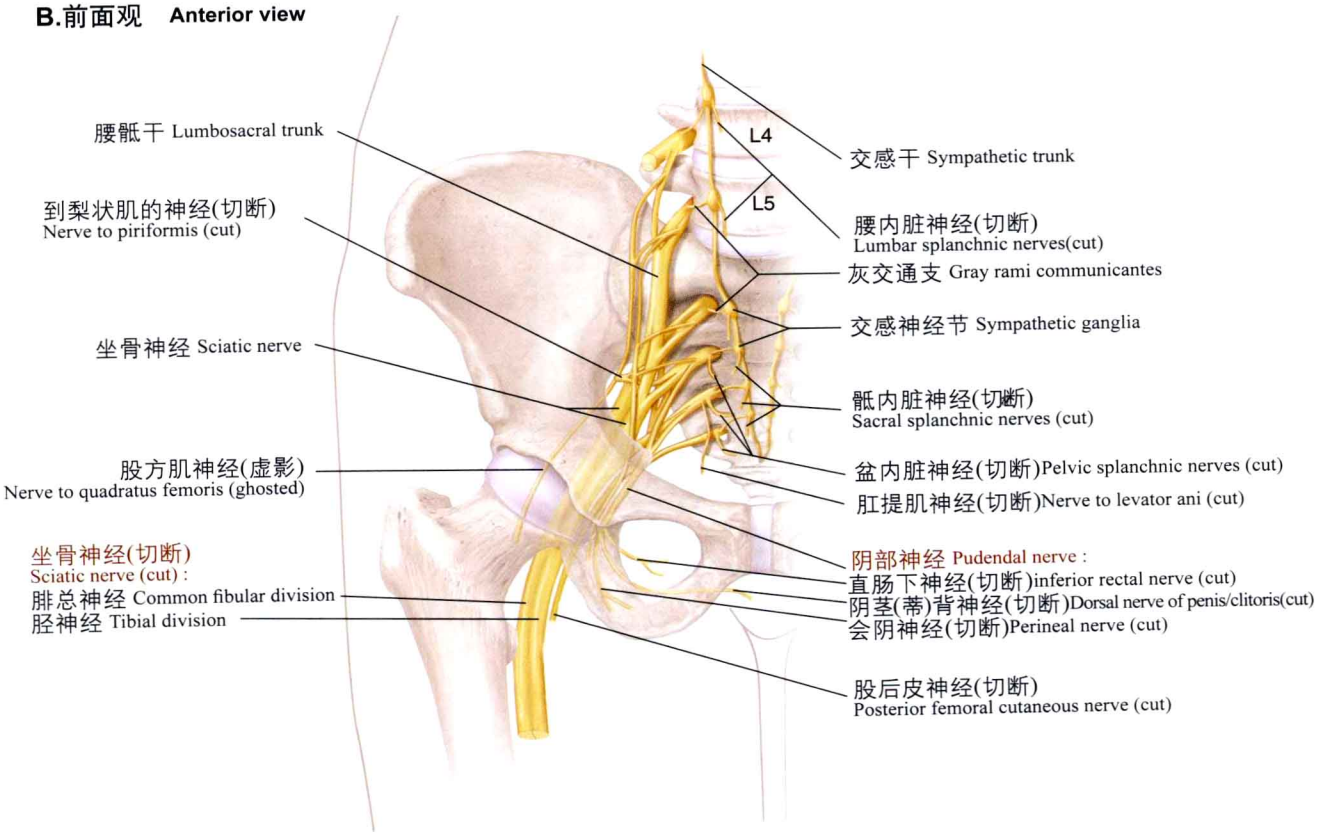


A.内面观 Medial view

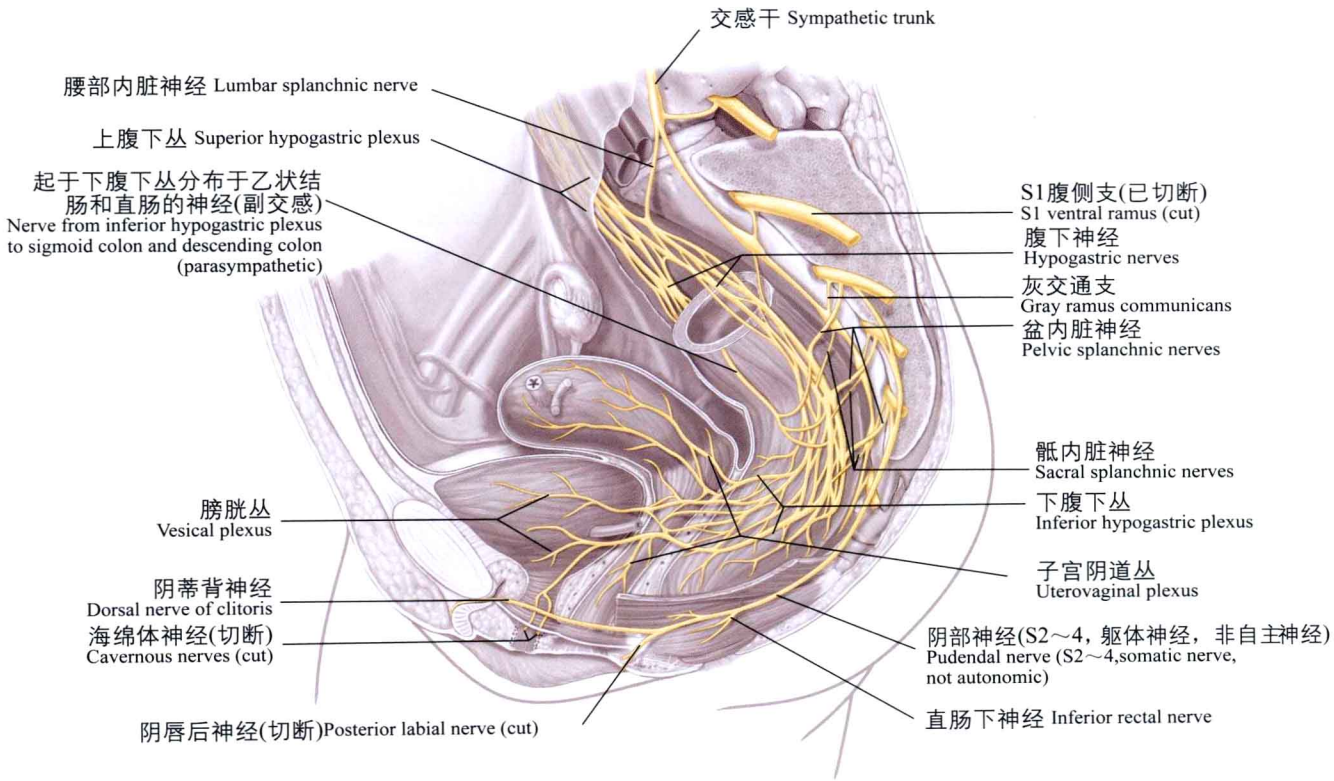


注：骶丛神经分支与男性相同
Note:Sacral plexus nerve branches are the same in the male

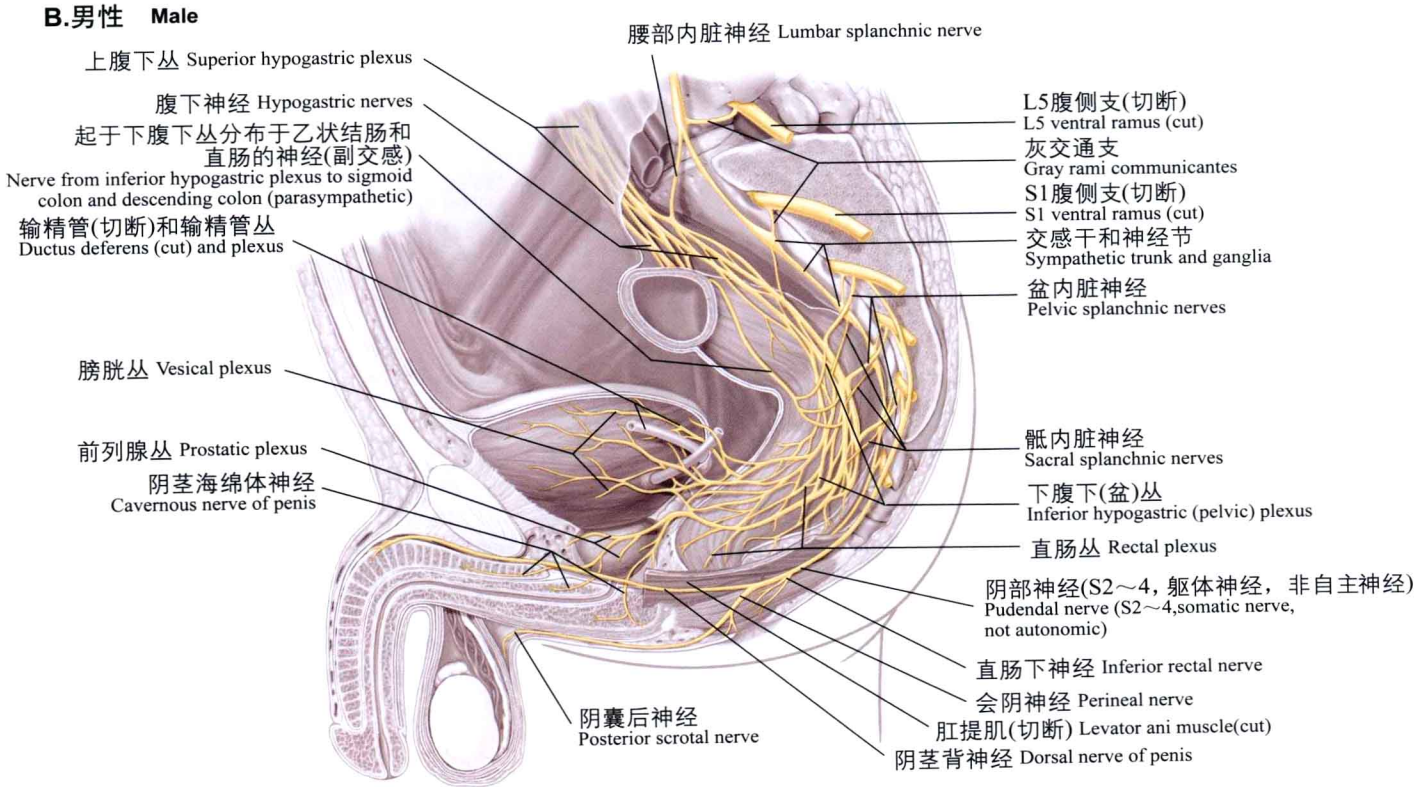
B.前面观 Anterior view



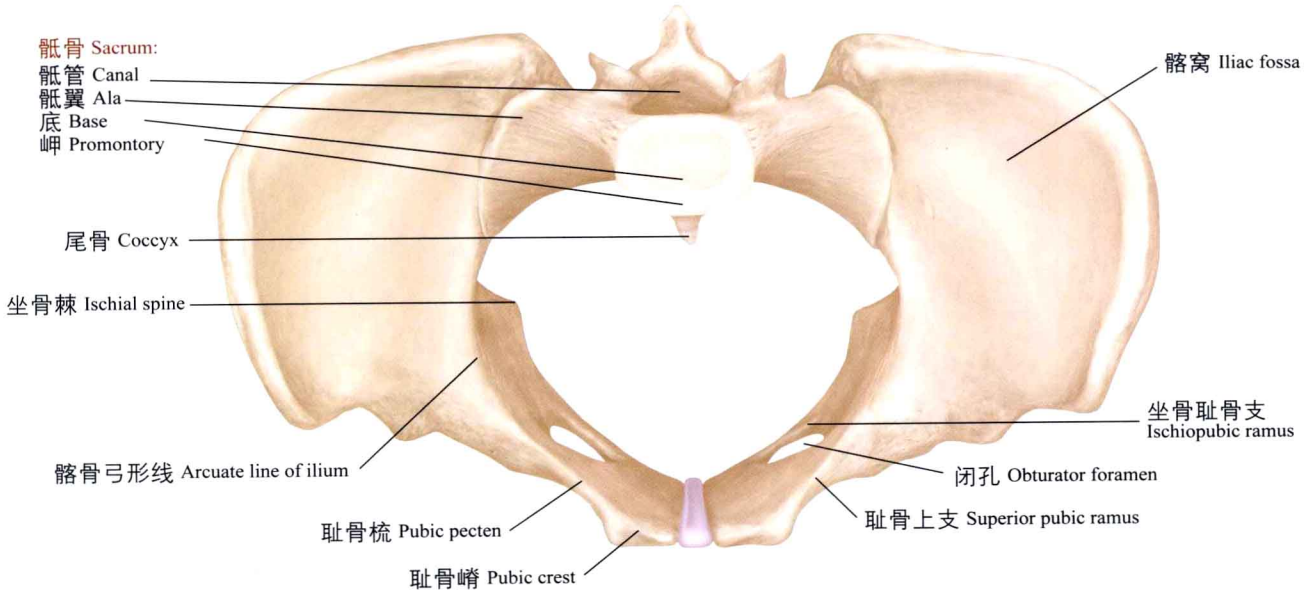
A.女性 Female



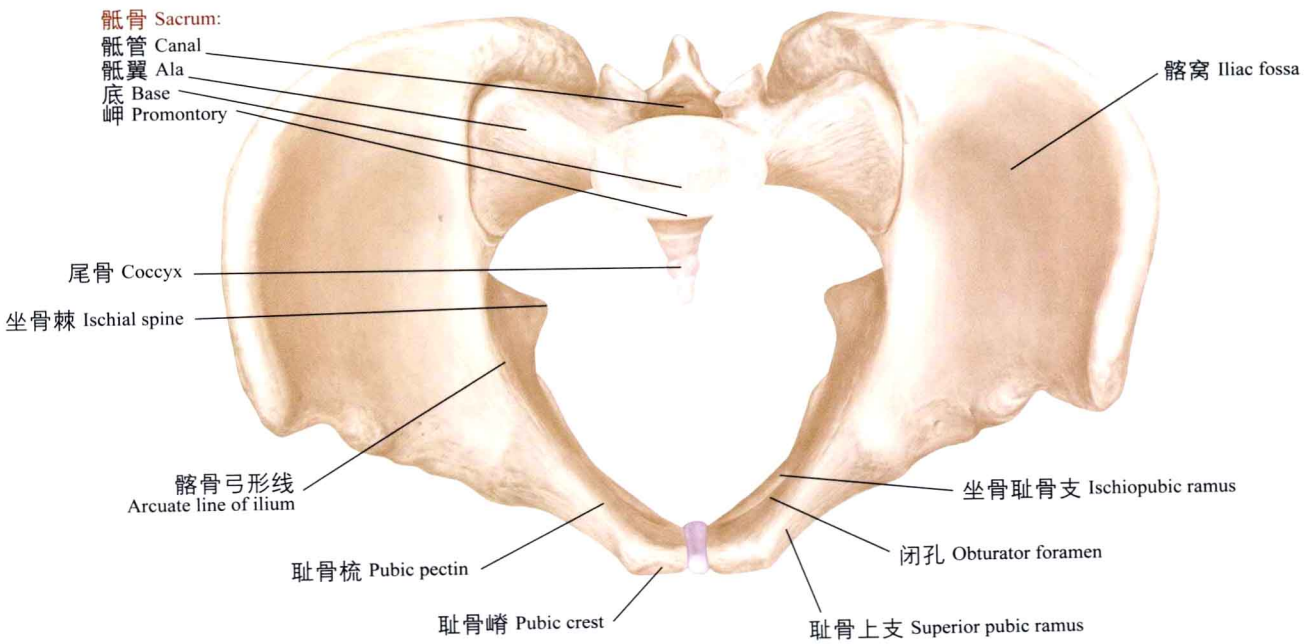
B.男性 Male



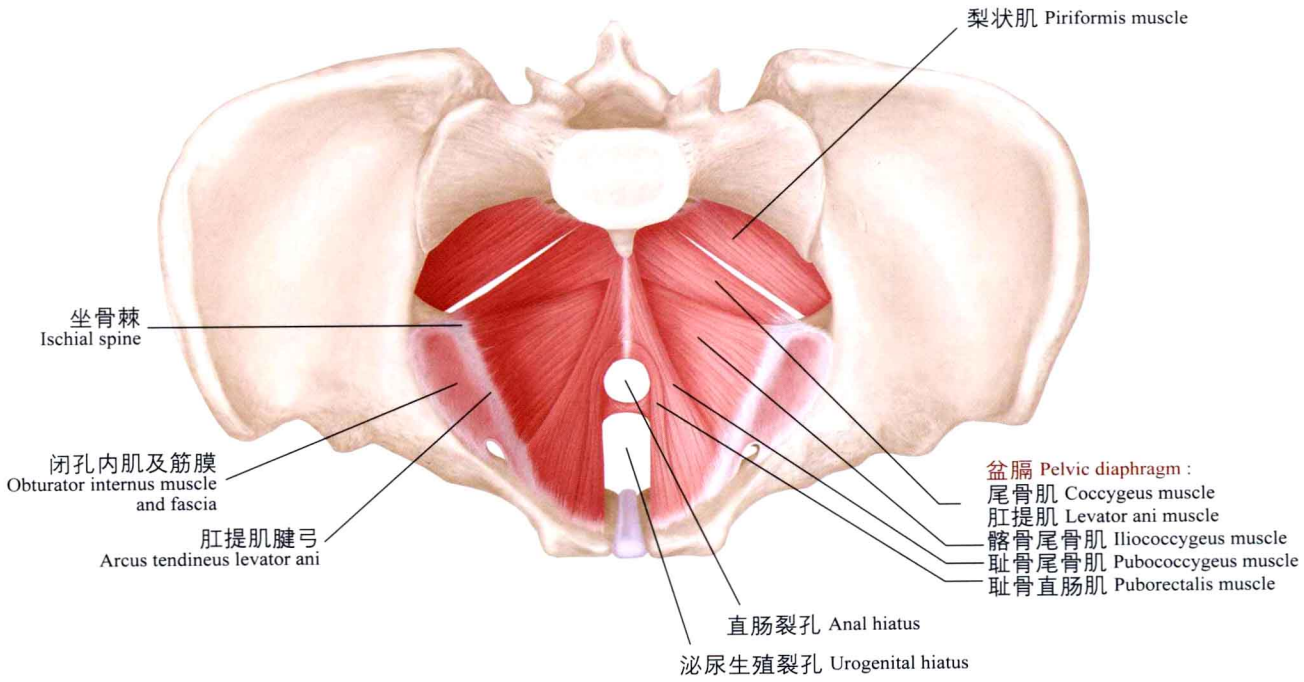
A.女性 Female



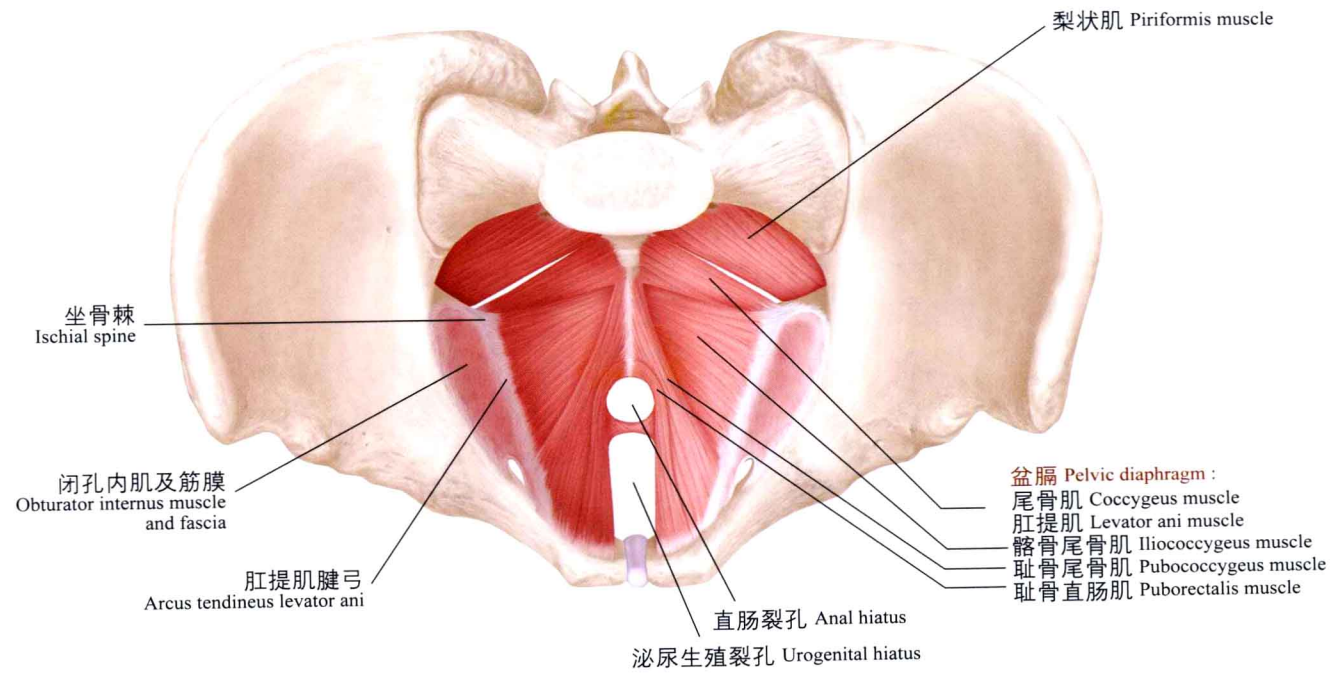
B.男性 Male



A.女性 Female

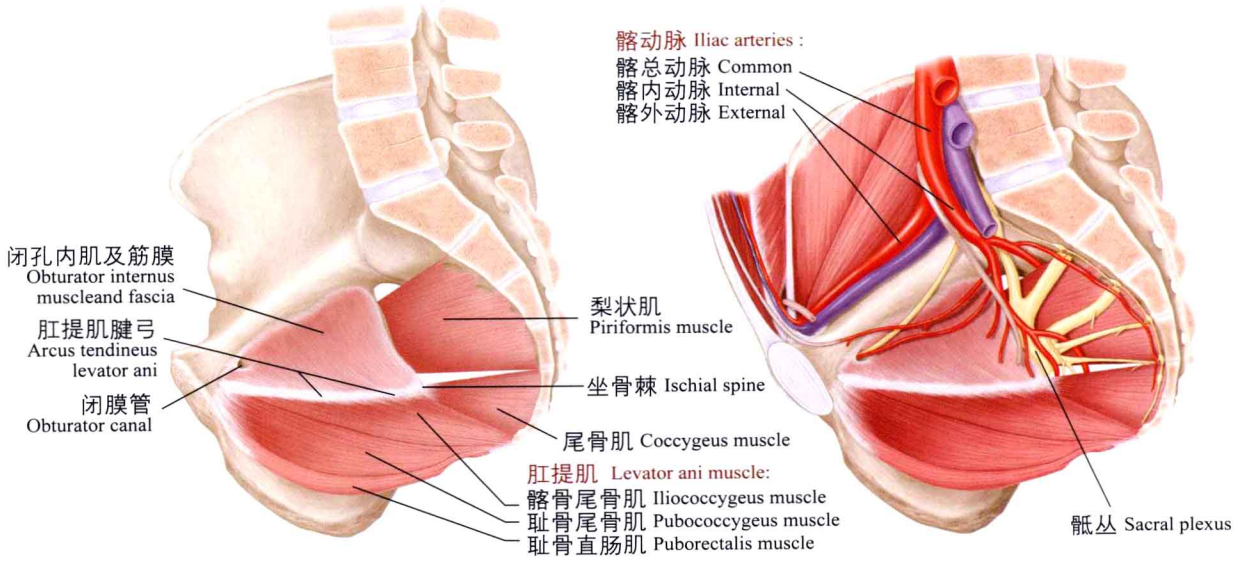


B.男性 Male



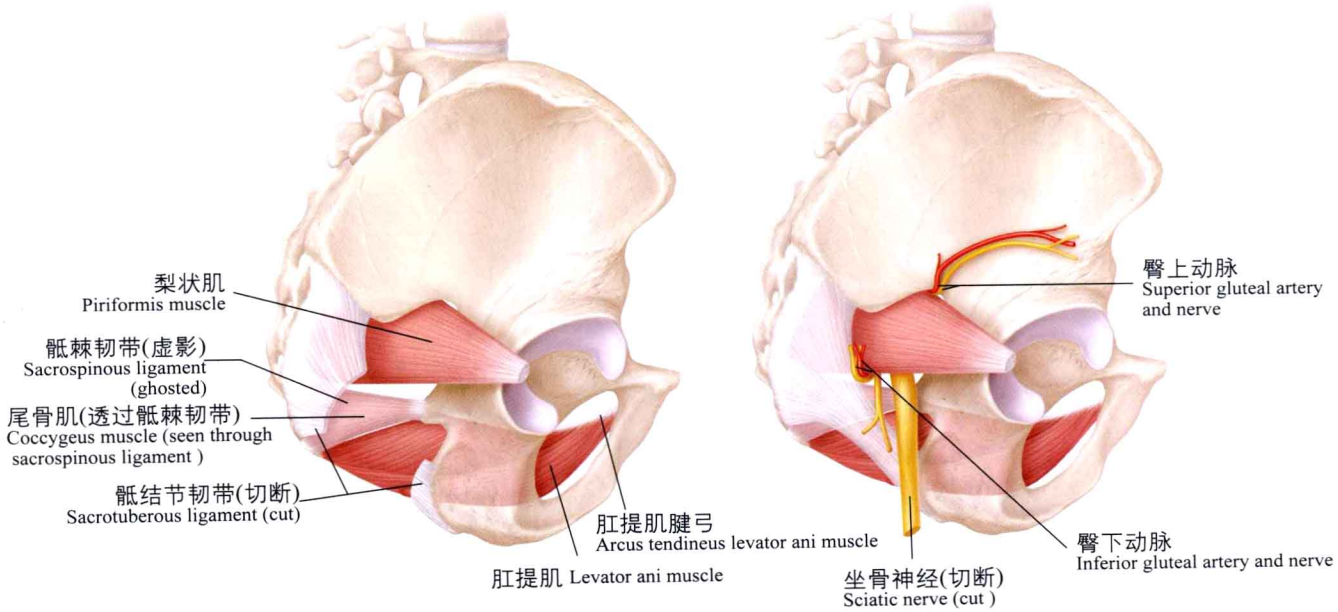
A.内面观 Medial view

B.与神经和血管的关系，内面观
Relationships to nerves and vessels , medial view

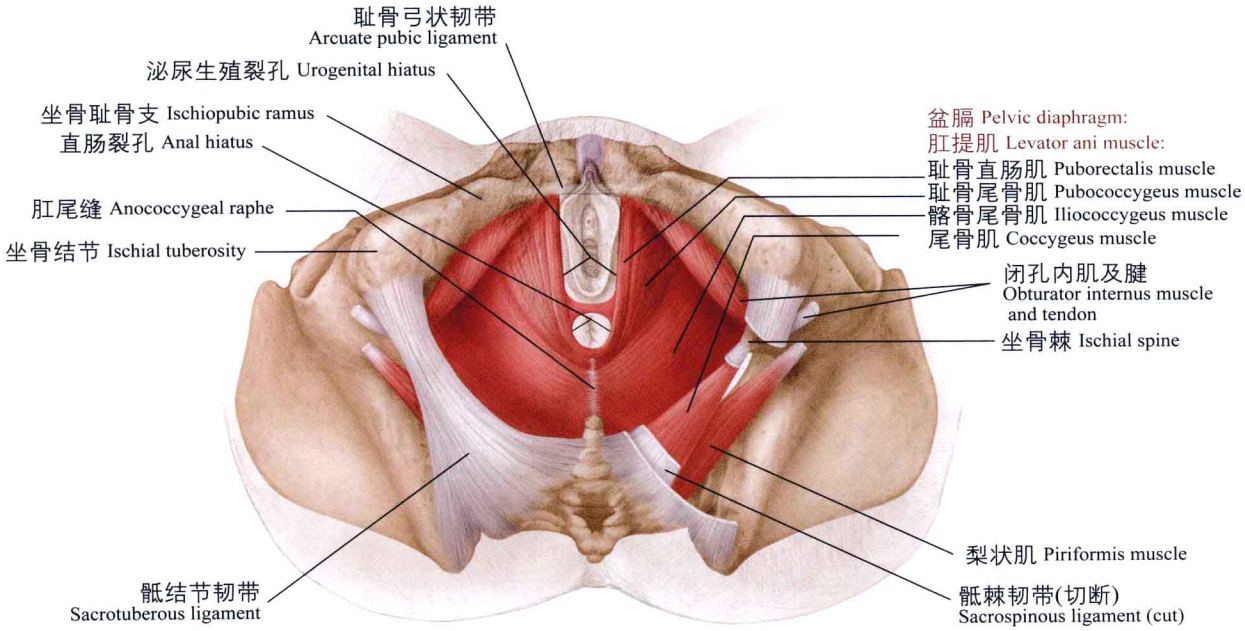


C.侧面观 Lateral view

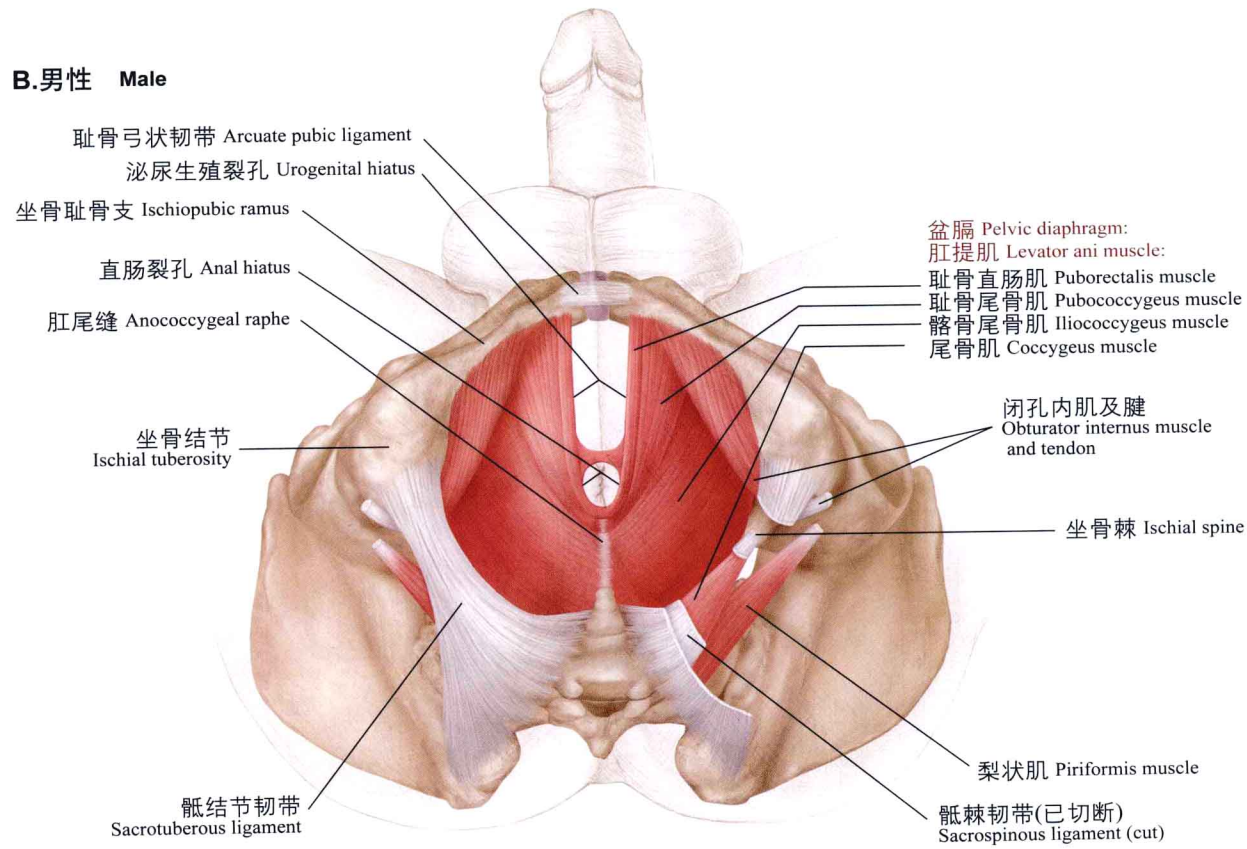
D.与神经和血管的关系，侧面观
Relationships to nerves and vessels , lateral view



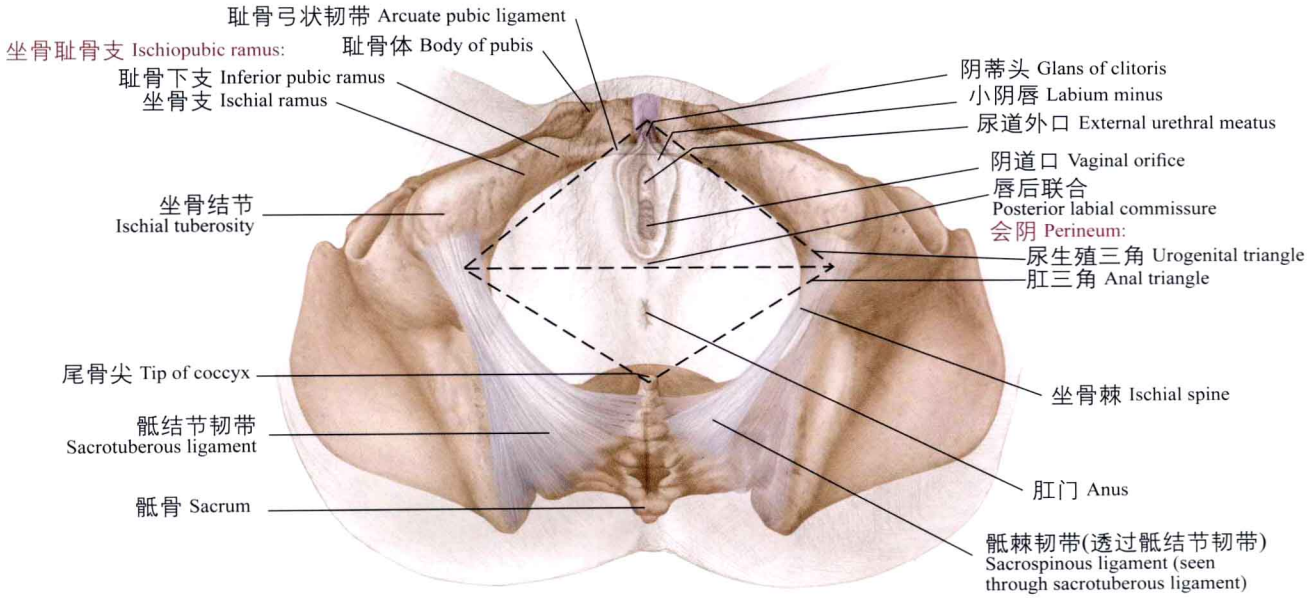
A.女性 Female



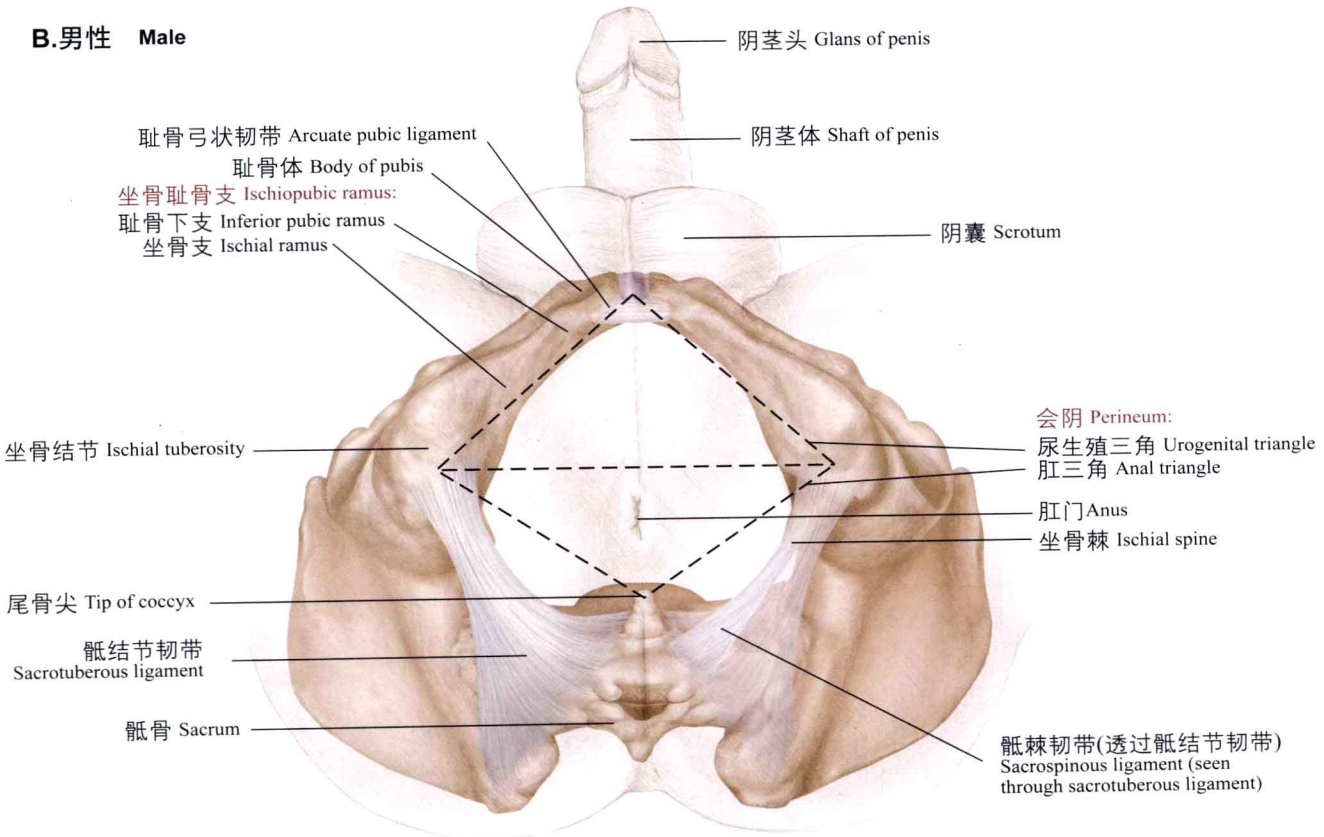
B.男性 Male



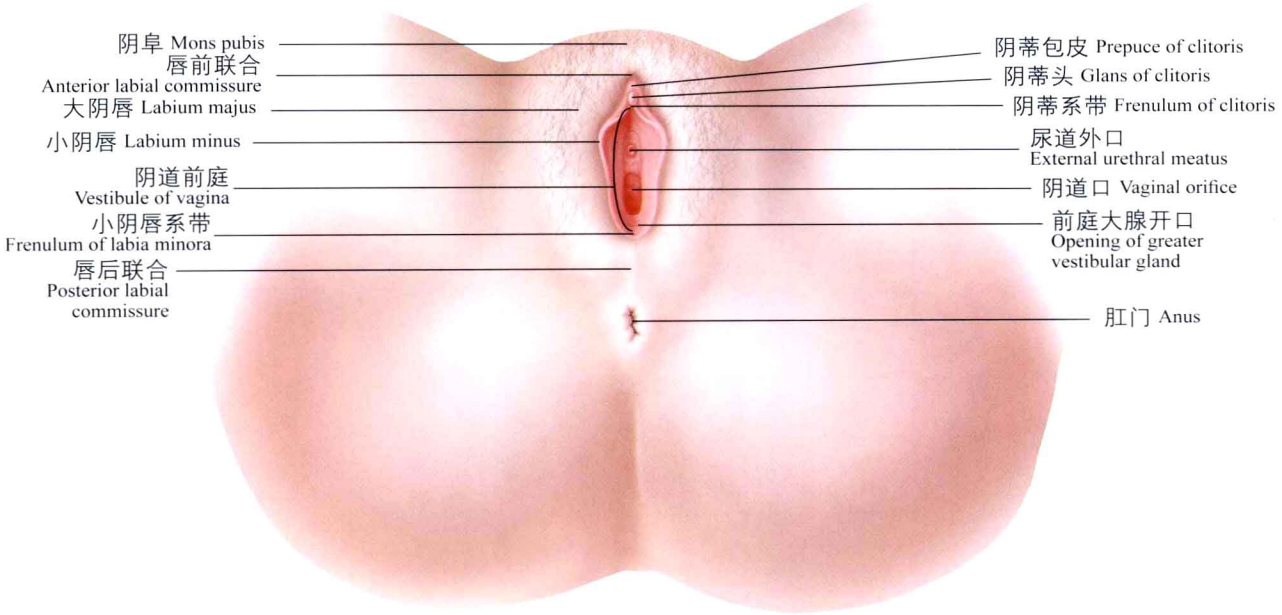
A.女性 Female



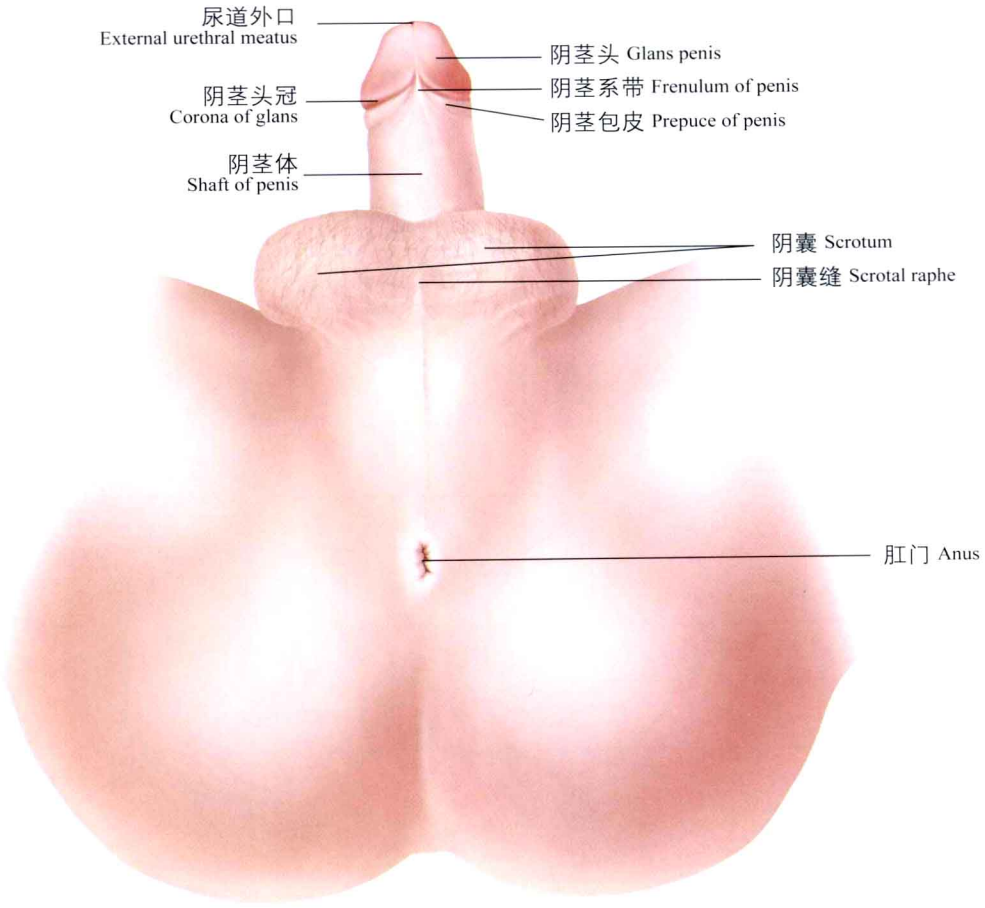
B.男性 Male



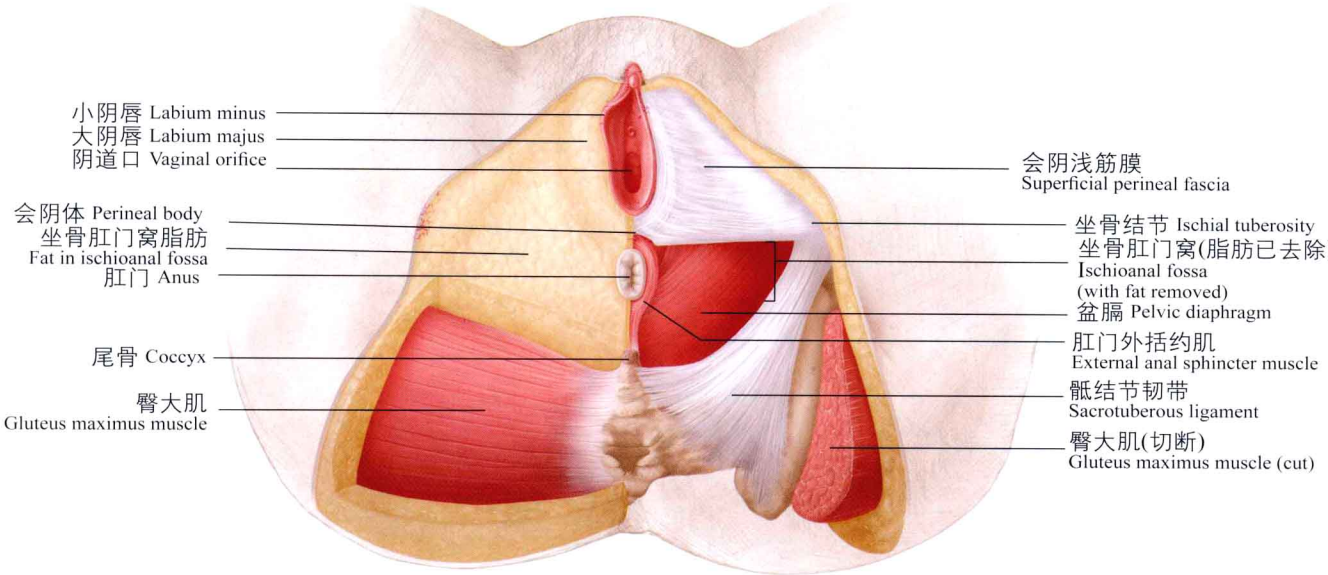
A.女性 Female



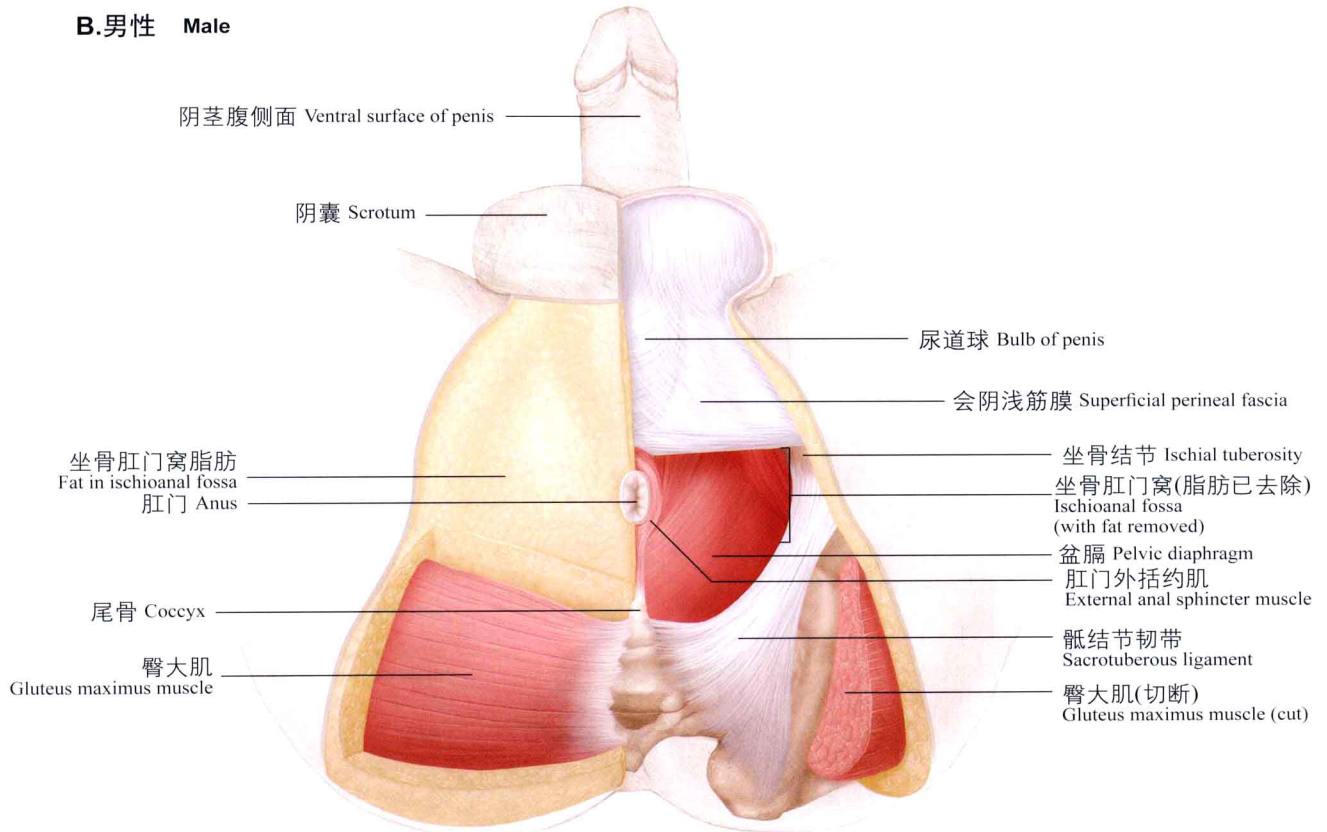
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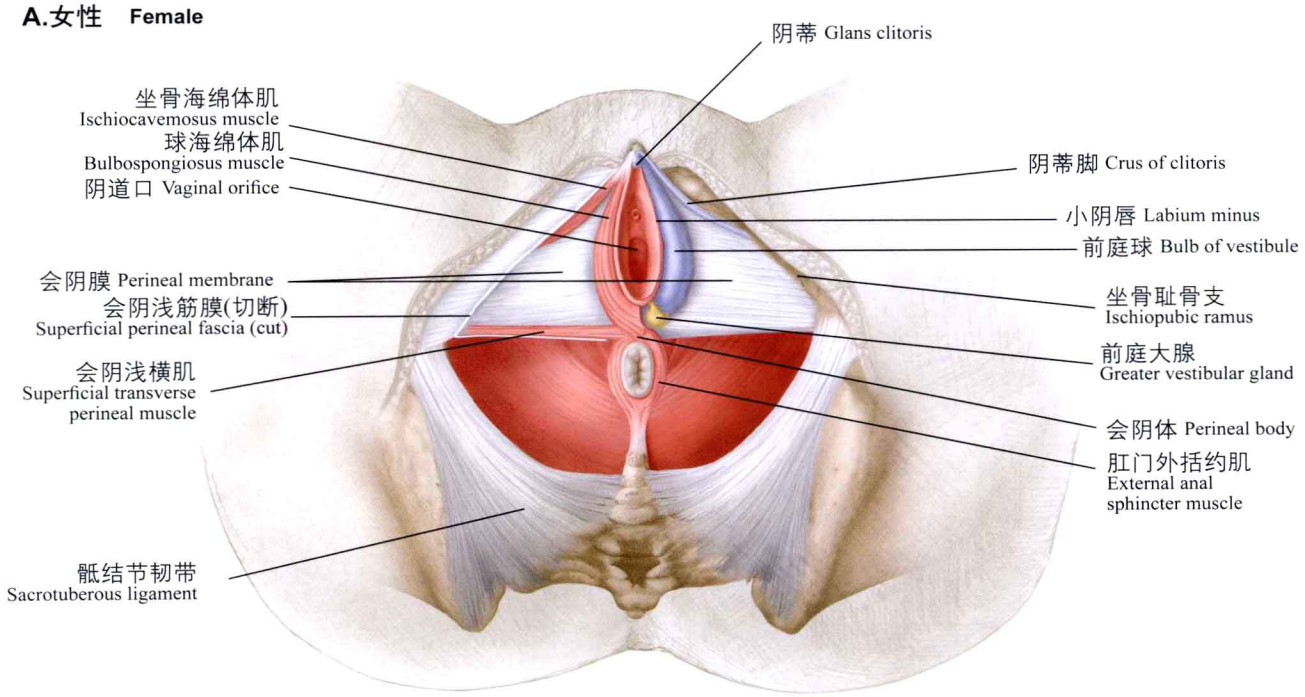
A.女性 Female



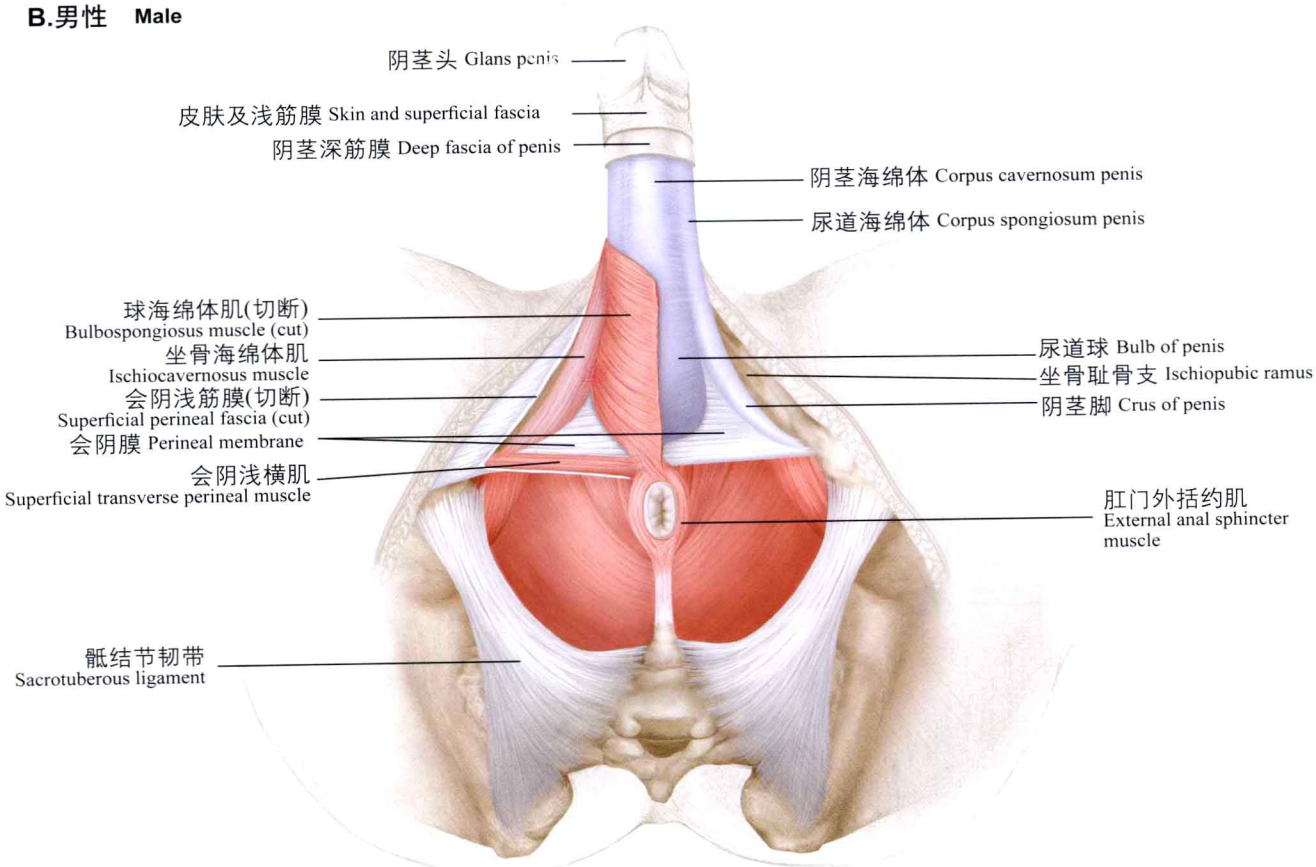
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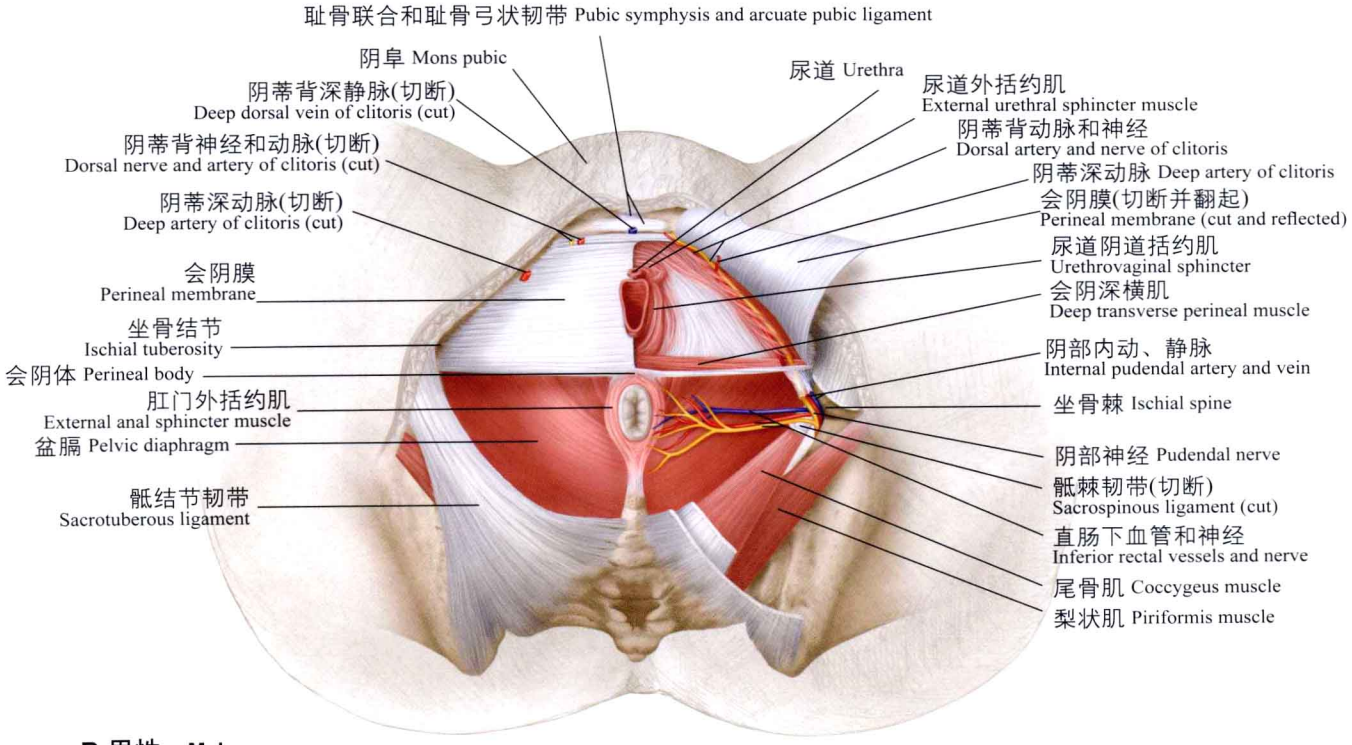
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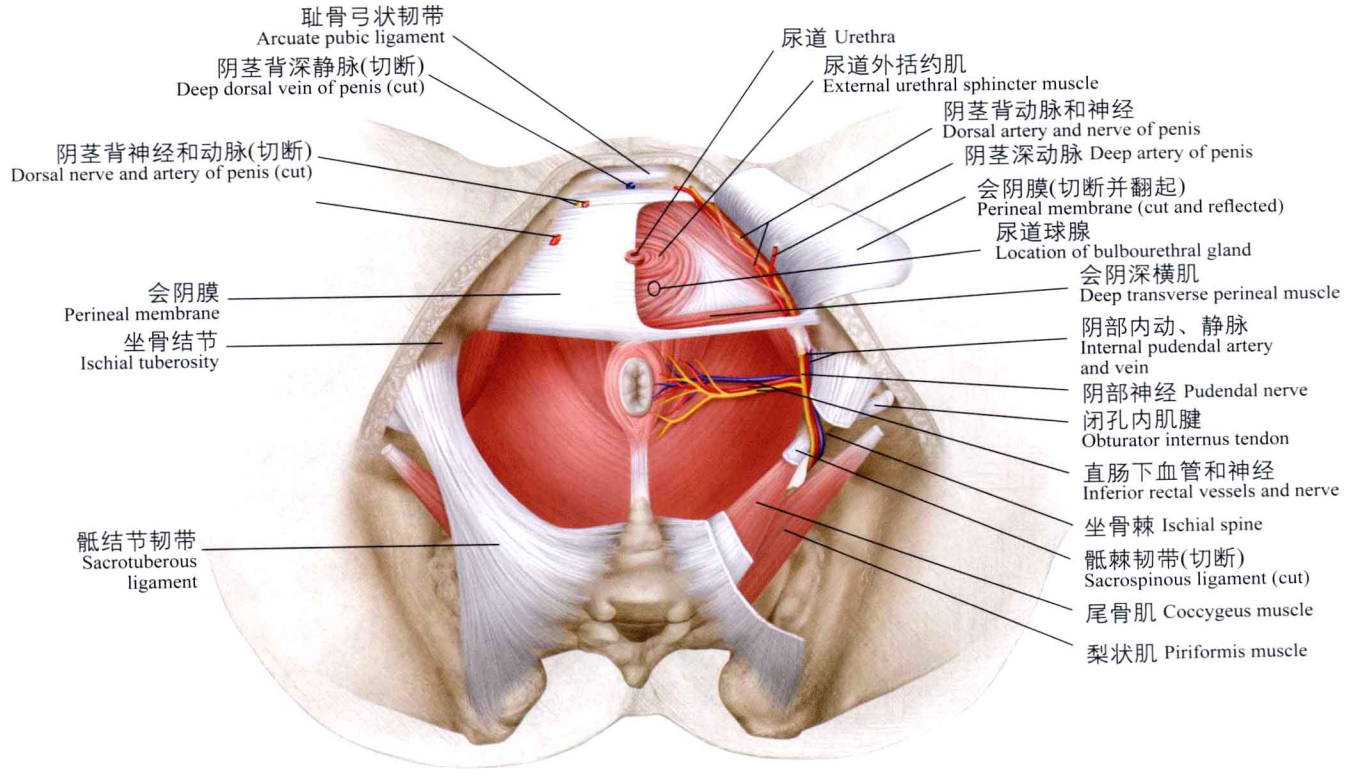
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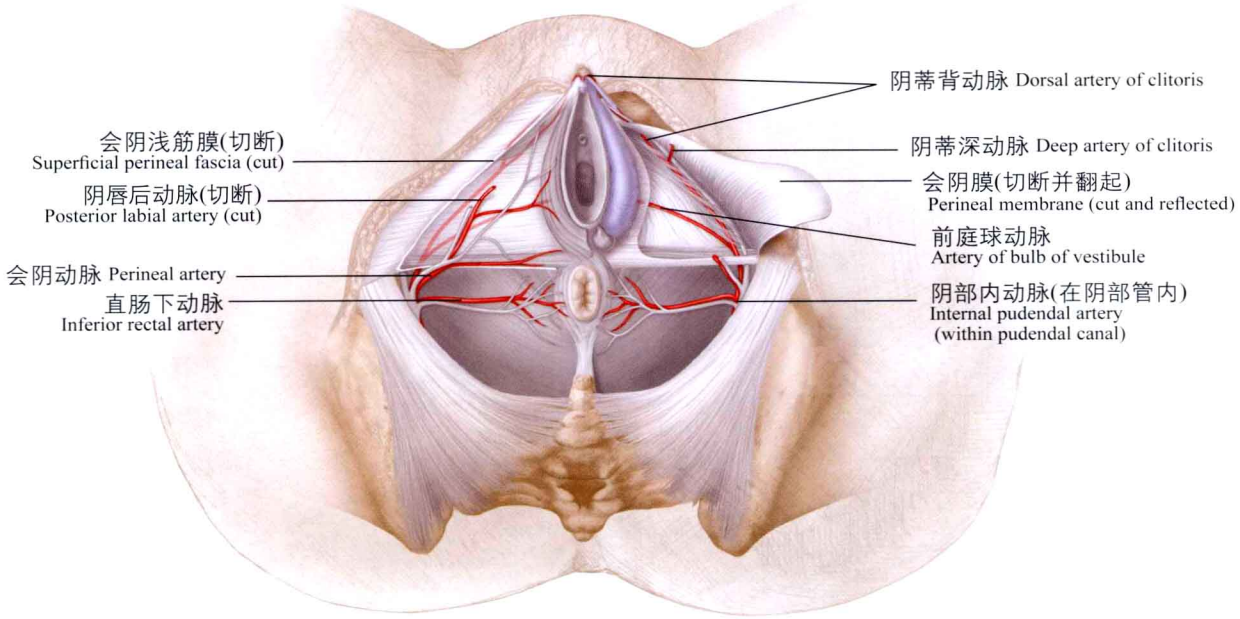


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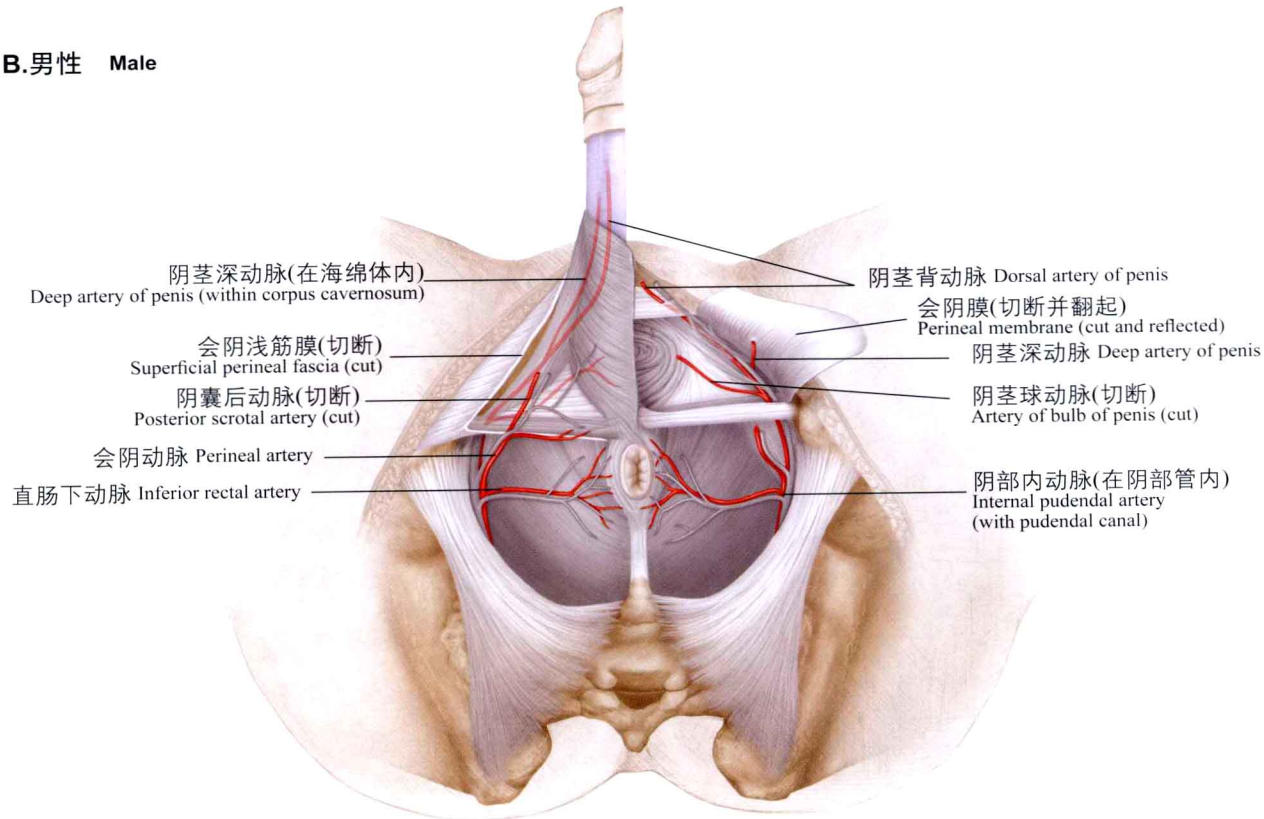


会阴的动脉 Arteries of the Perineum

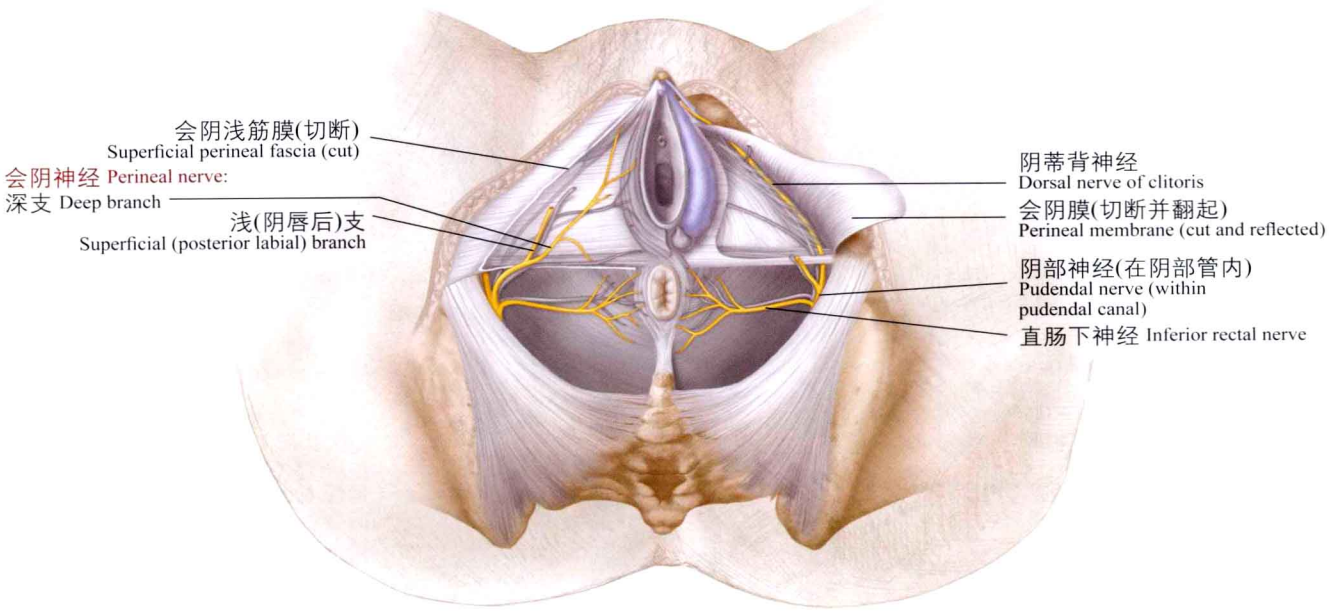
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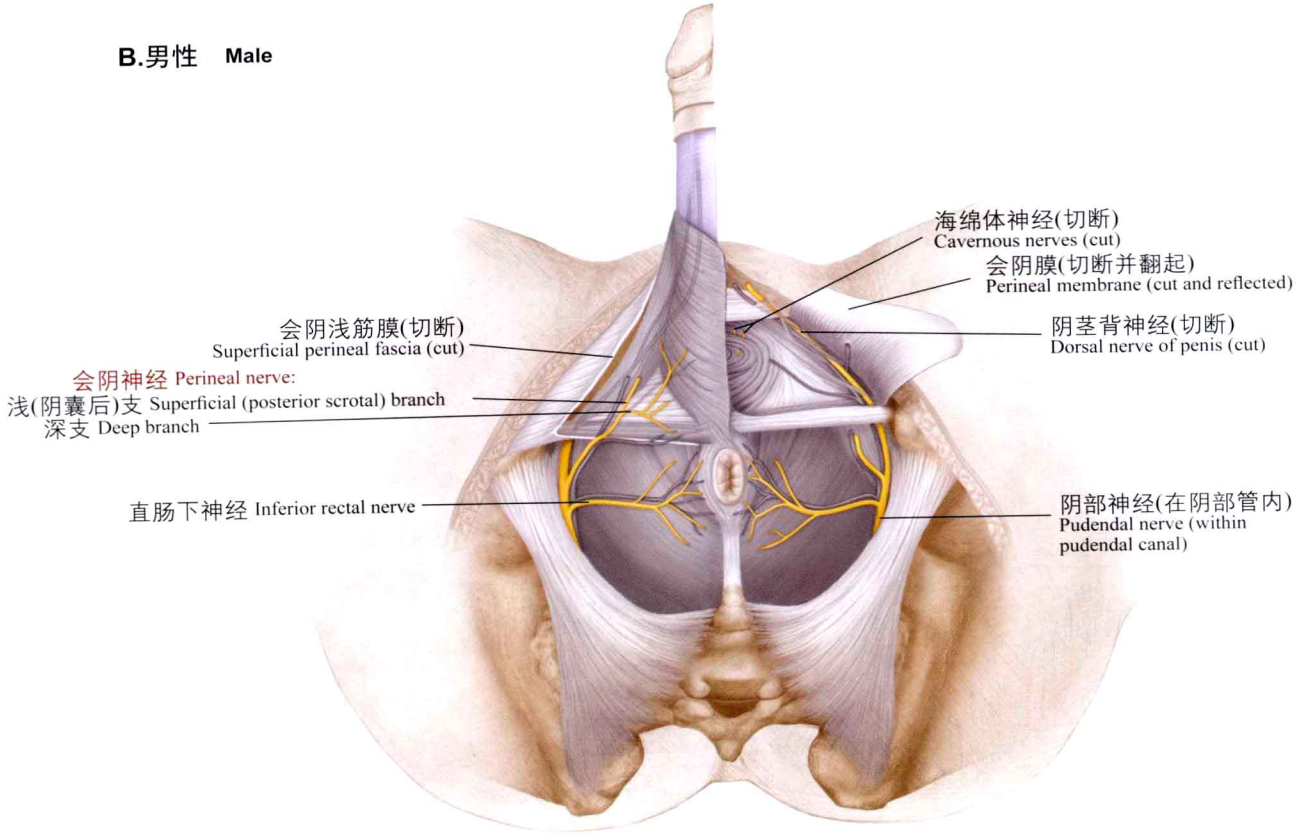
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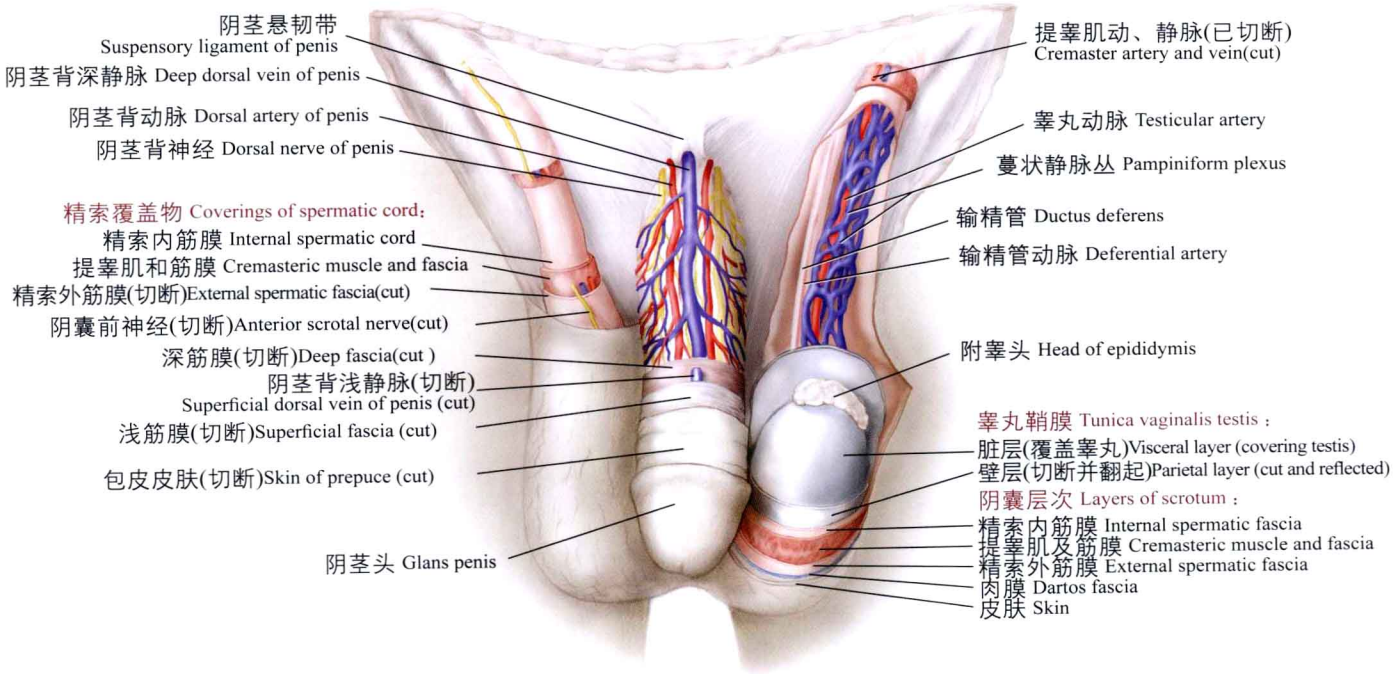
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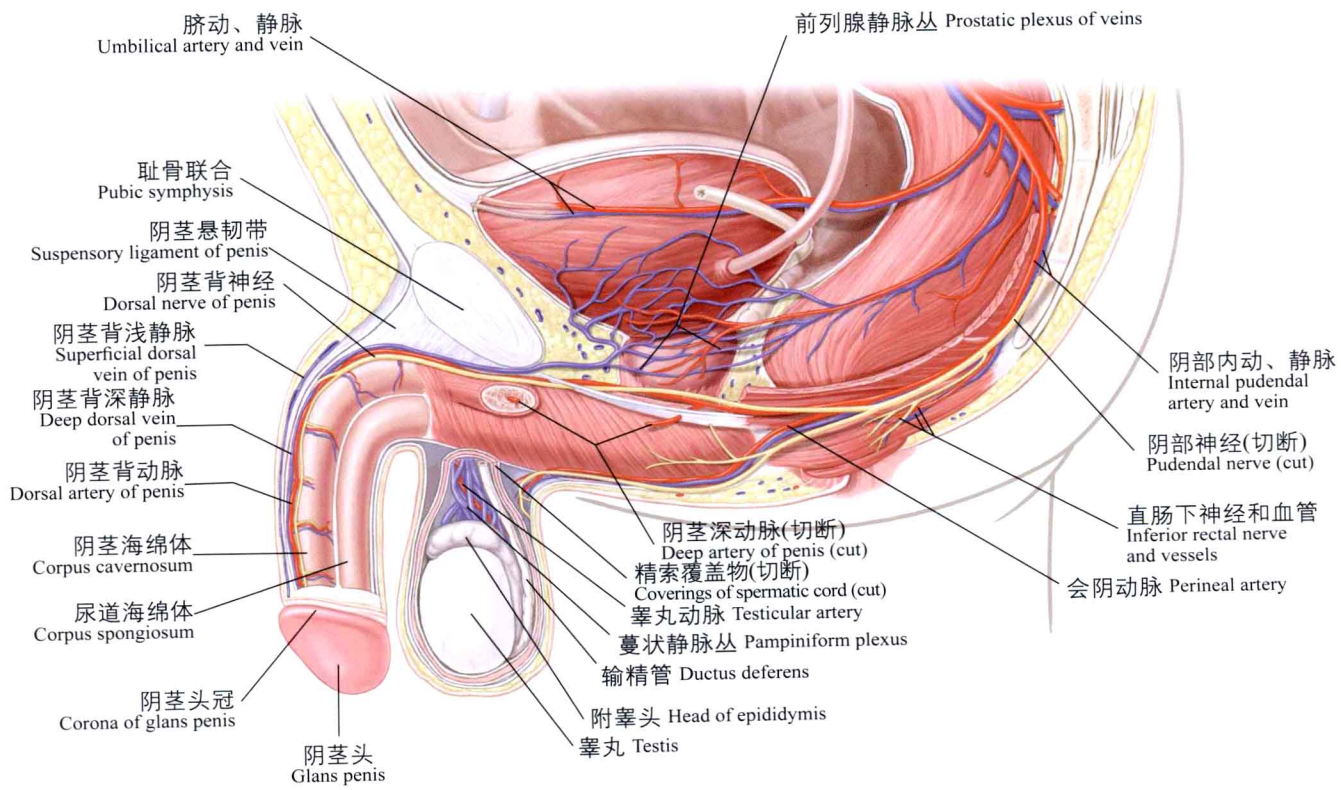
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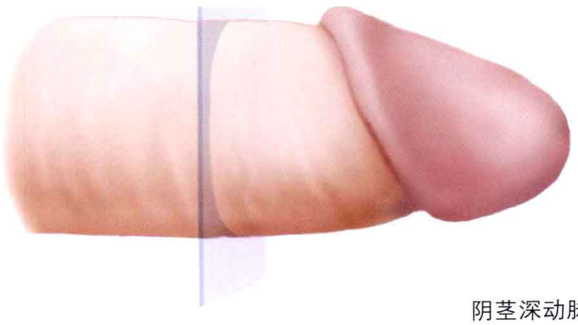
A.前面观 Anterior view



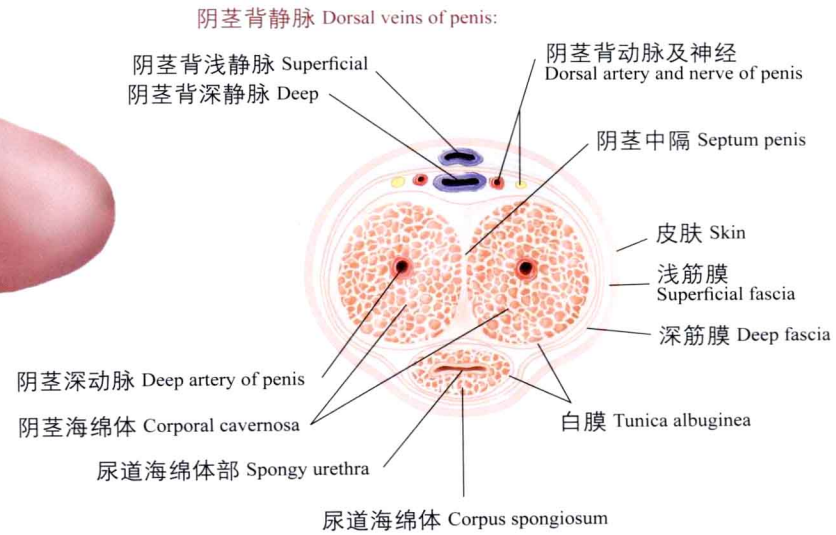
B.侧面观 Lateral view



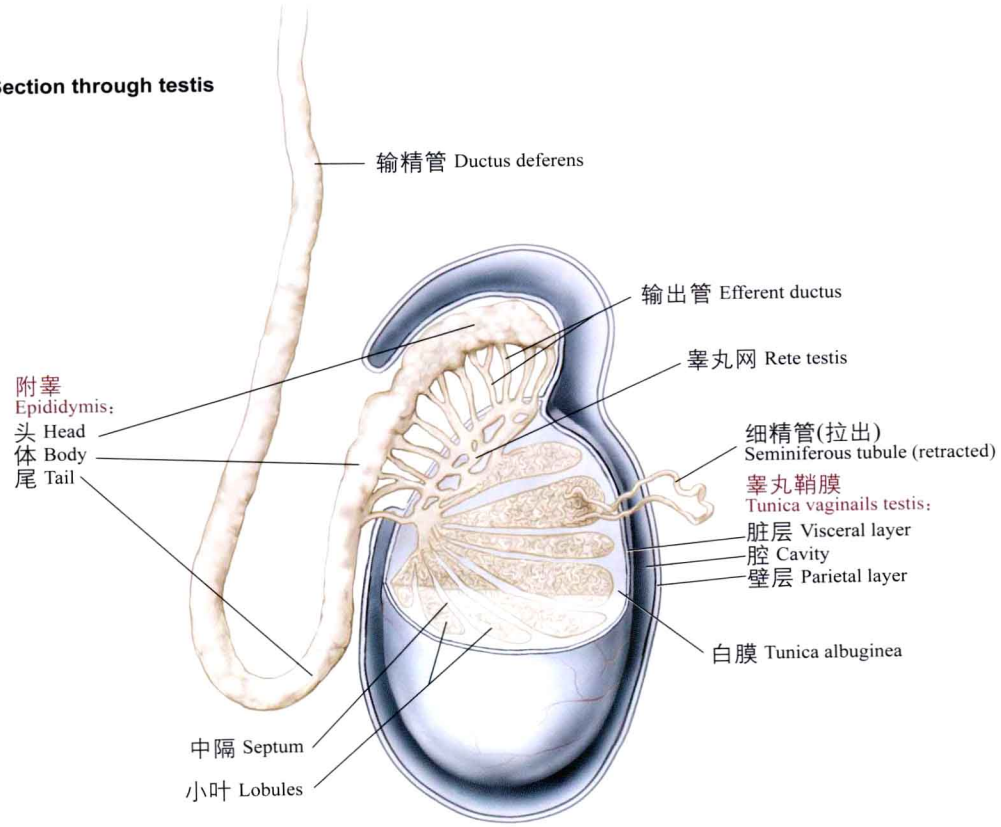
A.定位 Orientation

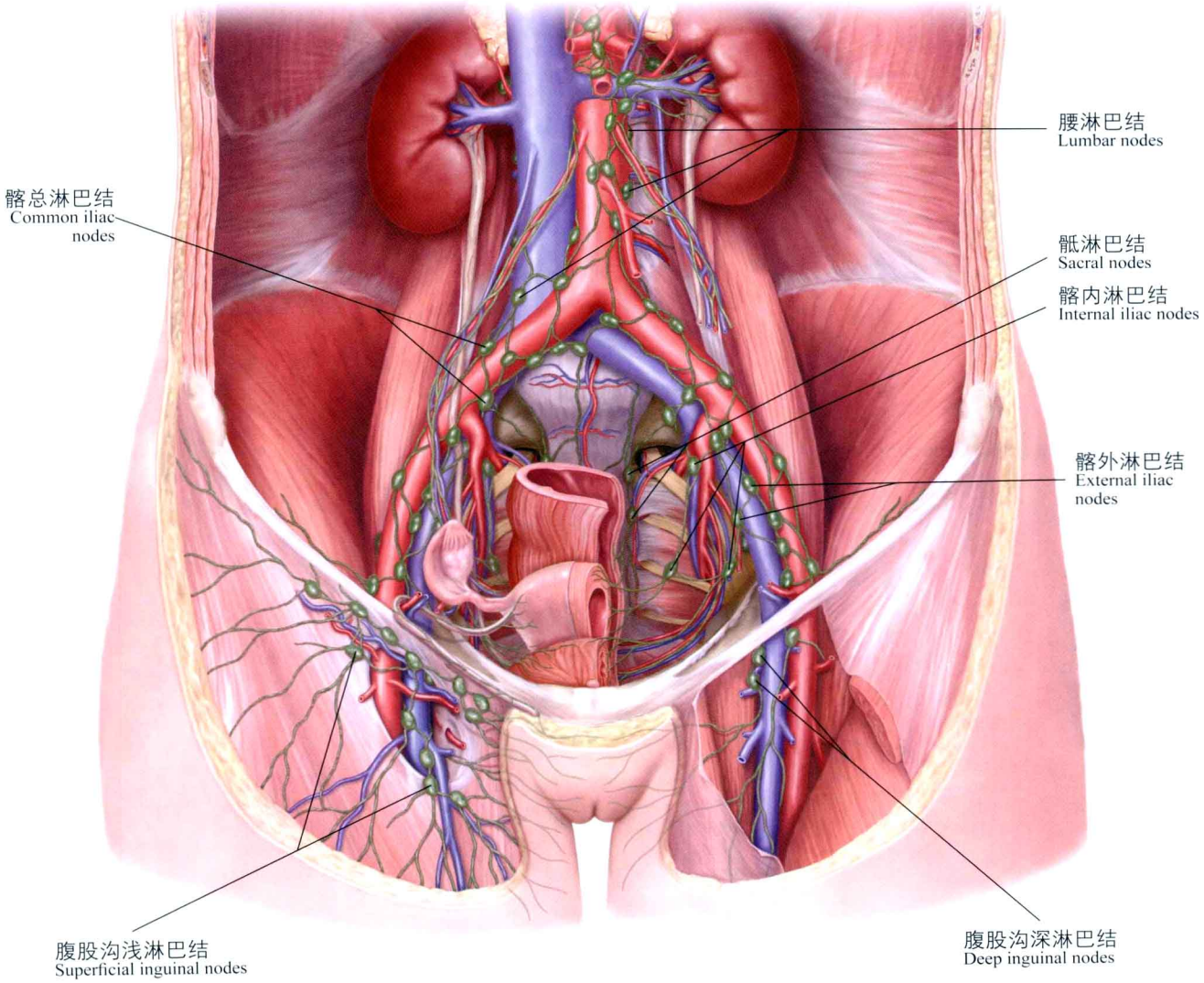


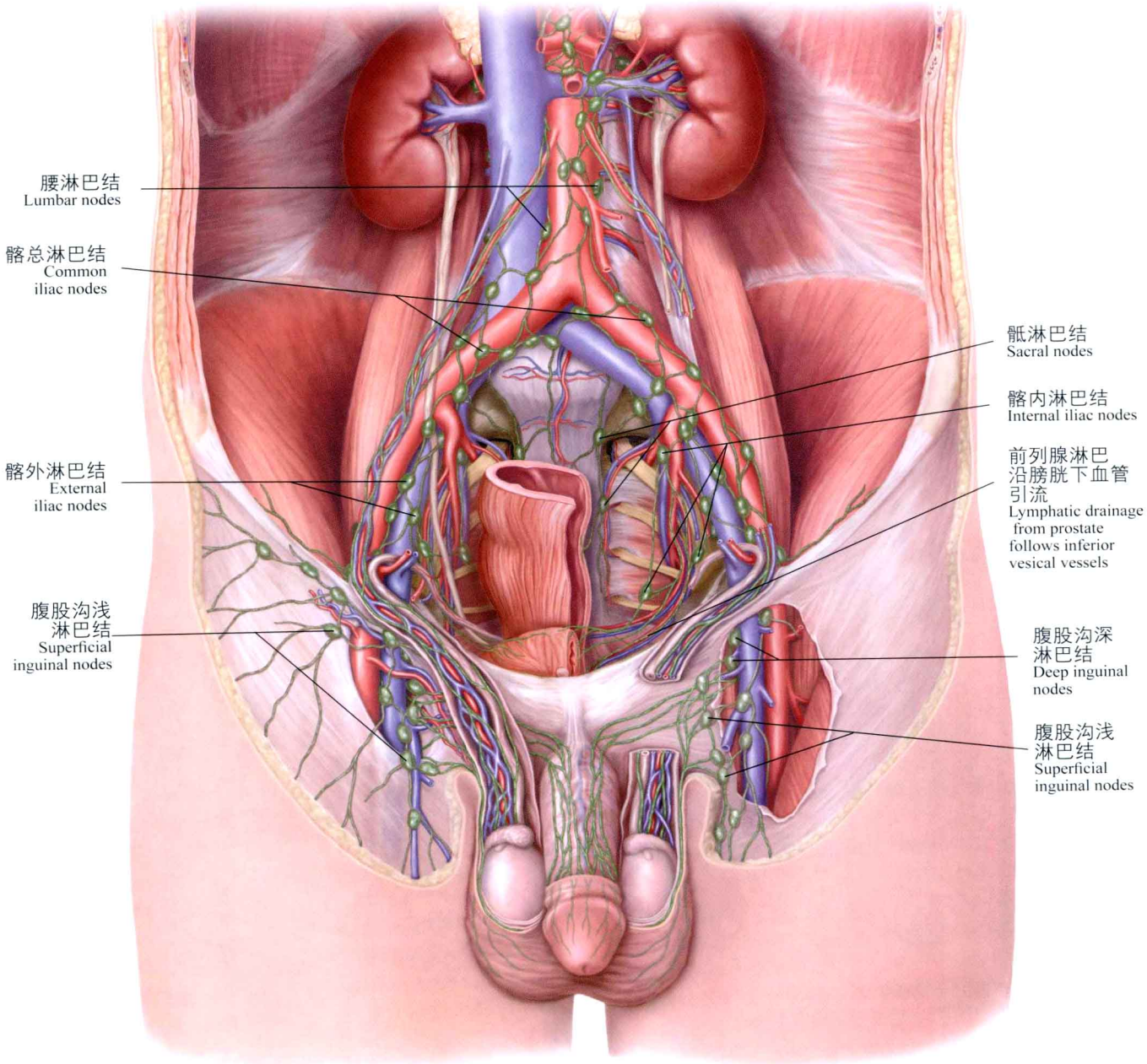
B.阴茎断面 Section through penis



C.睾丸断面 Section through testis

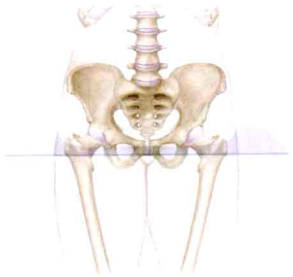



腰淋巴结
Lumbar nodes
髂总淋巴结
Common iliac nodes
骶淋巴结
Sacral nodes
髂内淋巴结
Internal iliac nodes
髂外淋巴结
External iliac nodes
腹股沟浅淋巴结
Superficial inguinal nodes
腹股沟深淋巴结
Deep inguinal nodes


腰淋巴结
Lumbar nodes
髂总淋巴结
Common iliac nodes
髂外淋巴结
External iliac nodes
腹股沟浅淋巴结
Superficial inguinal nodes
骶淋巴结
Sacral nodes
髂内淋巴结
Internal iliac nodes
前列腺淋巴沿膀胱下血管引流
Lymphatic drainage from prostate follows inferior vesical vessels
腹股沟深淋巴结
Deep inguinal nodes
腹股沟浅淋巴结
Superficial inguinal nodes

女性骨盆的横截面 Cross Section of the Female Pelvis

A.定位 Orientation



B.横截面 Cross section

膀胱
Urinary bladder

阴道 Vagina

淋巴结 Lymph nodes

股动、静脉
Femoral vein and artery

股骨颈
Neck of femur

大转子
Greater trochanter

耻骨直肠肌
Puborectails muscle

耻骨尾骨肌
Pubococcygeus muscle

坐骨神经
Sciatic nerve

坐骨肛门窝脂肪
Fat in ischioanal fossa

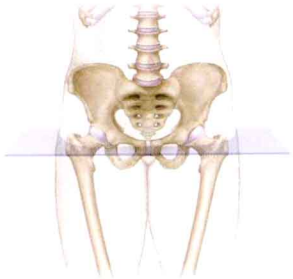
尾骨 Coccyx

直肠 Rectum

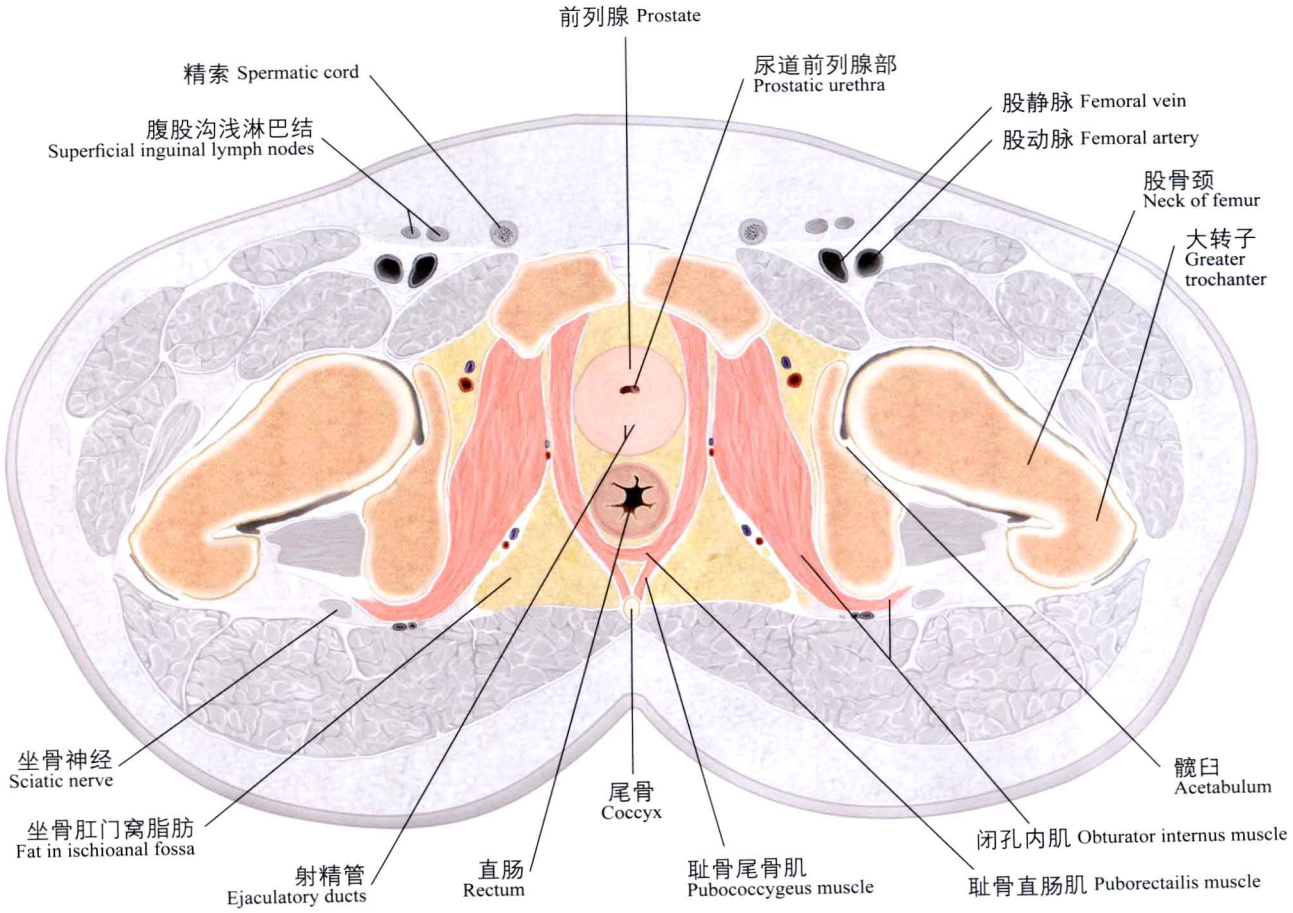
闭孔内肌
Obturator internus muscle

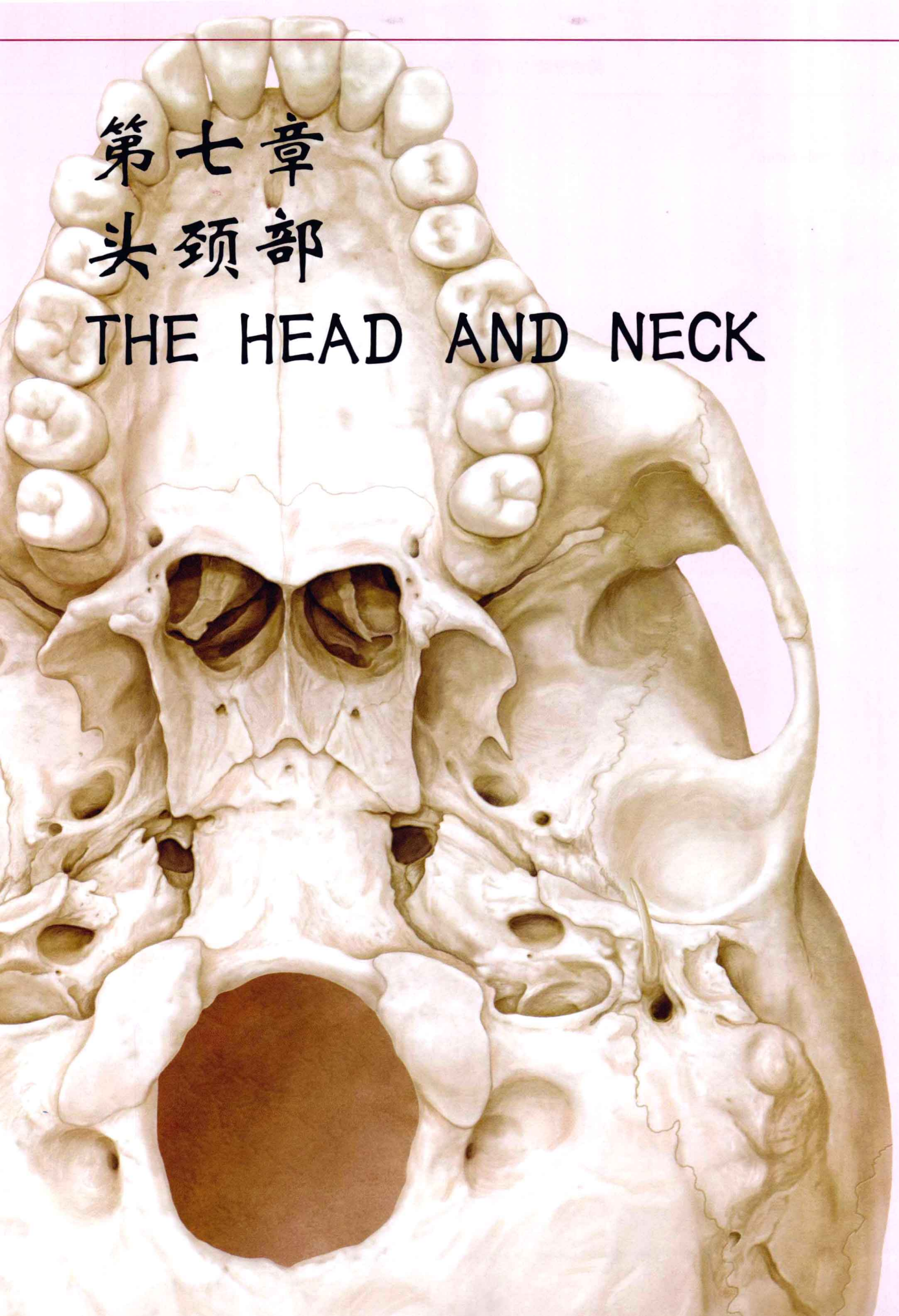
髋臼 Acetabulum

A.定位 Orientation



B.横截面 Cross section





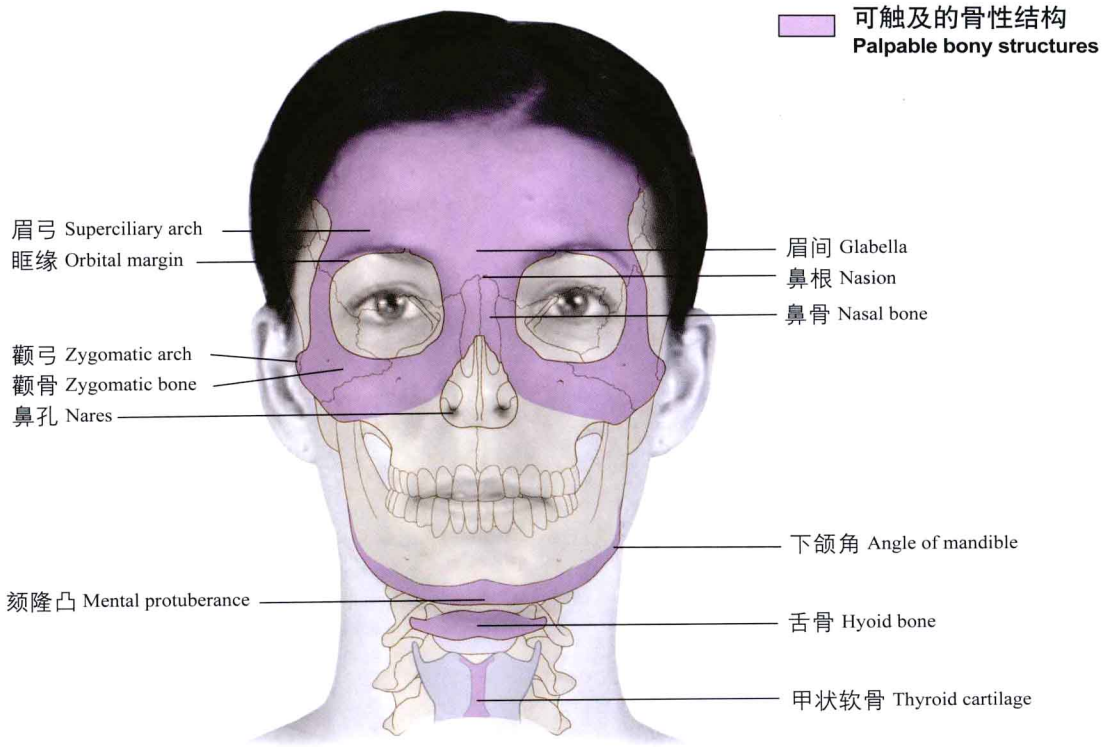
第七章
头颈部
THE HEAD AND NECK

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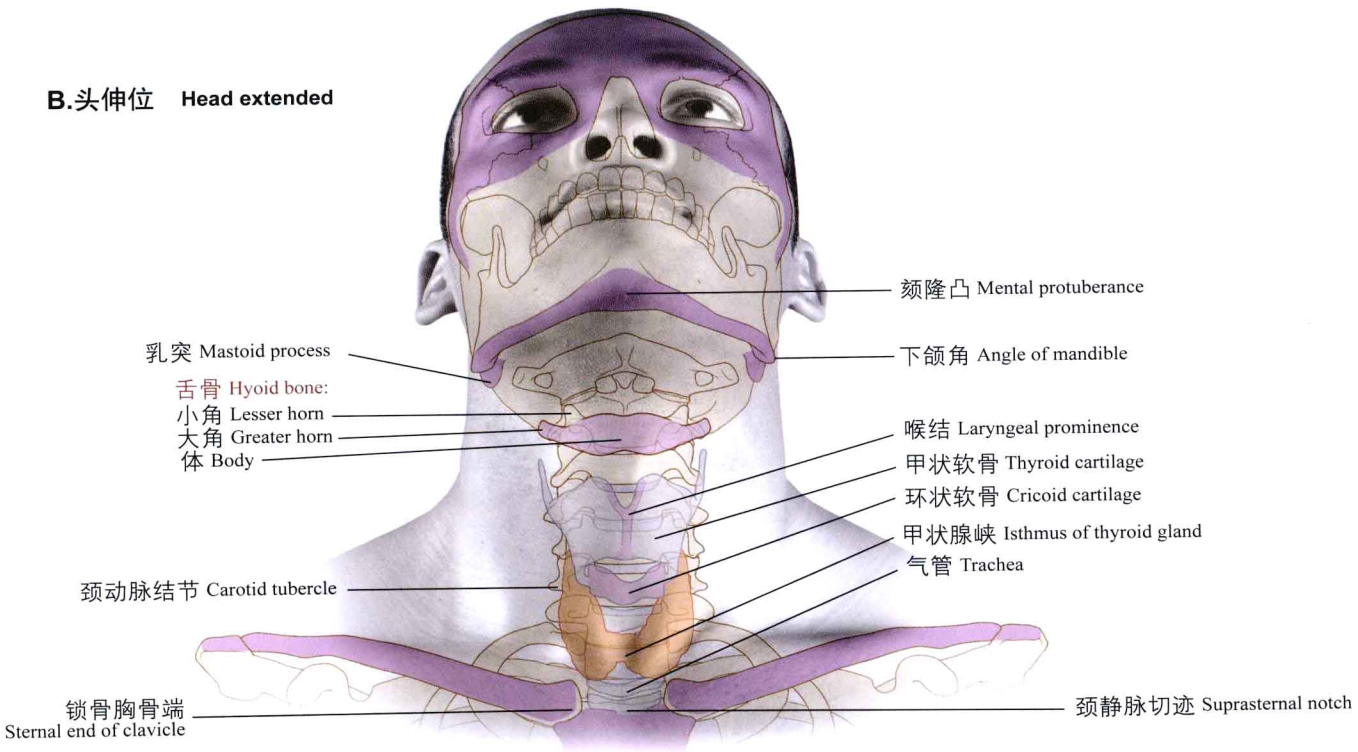
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头颈部的可触及结构和体表标志，前面观
Palpable features and landmarks of the head and neck, anterior view

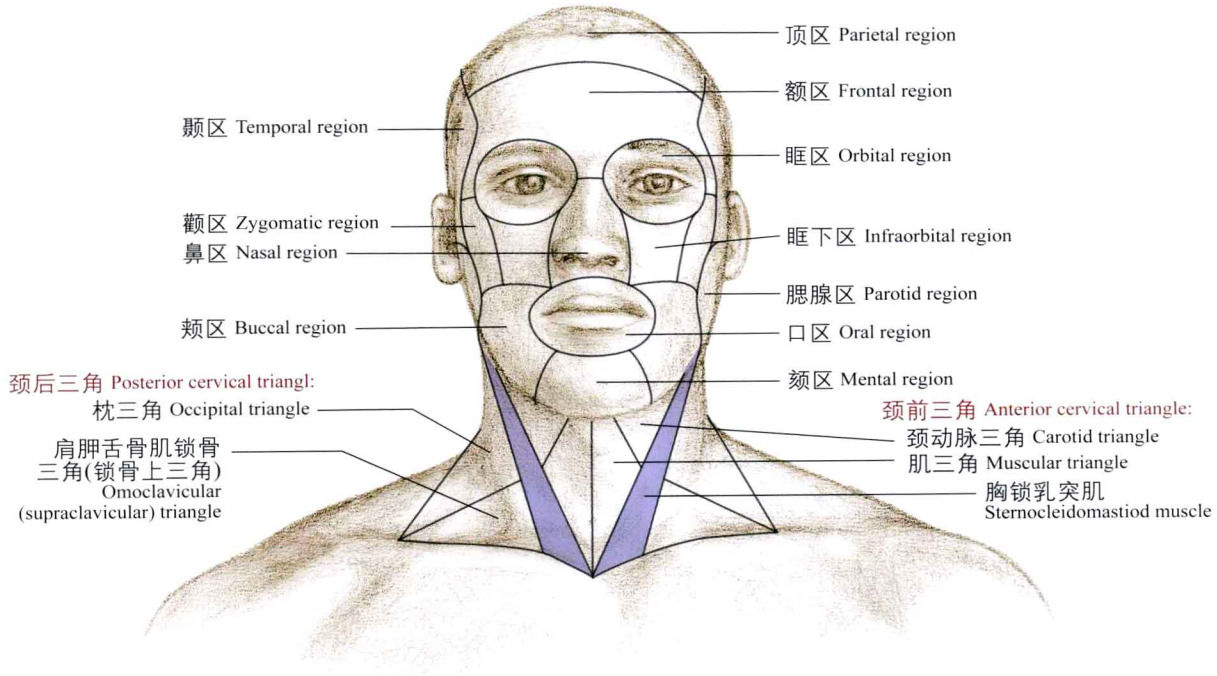
A.解剖位置 Anatomical position



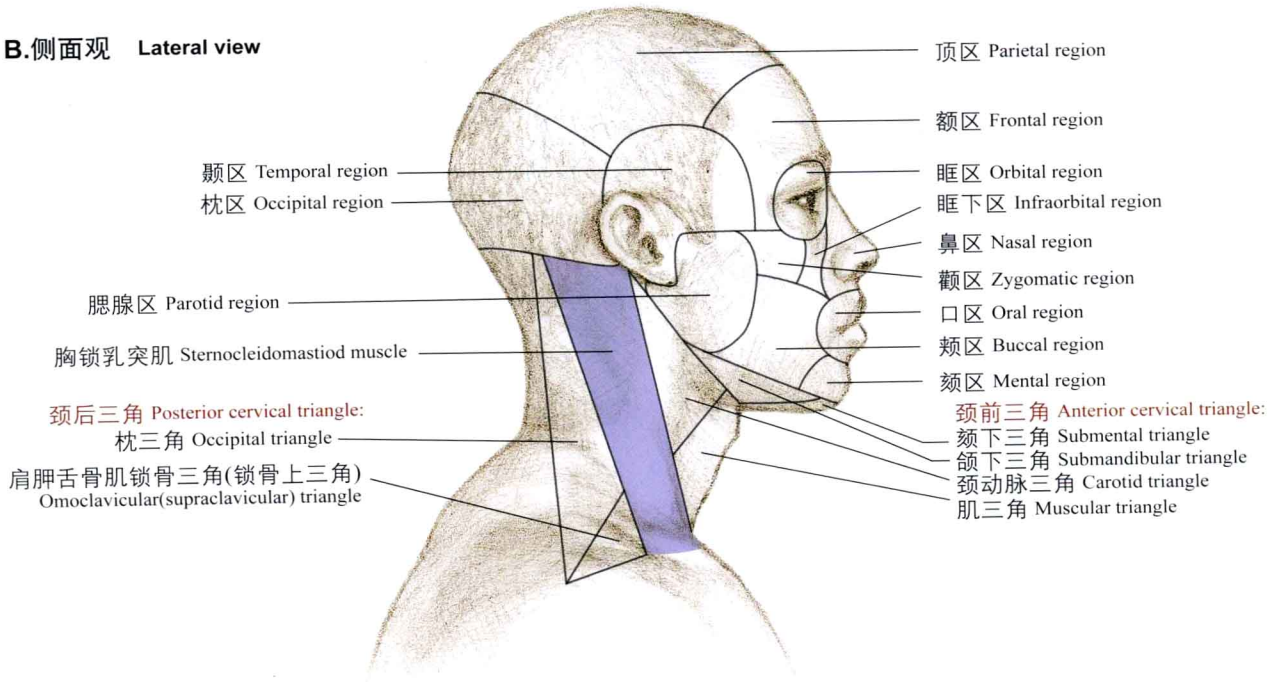
B.头伸位 Head extended

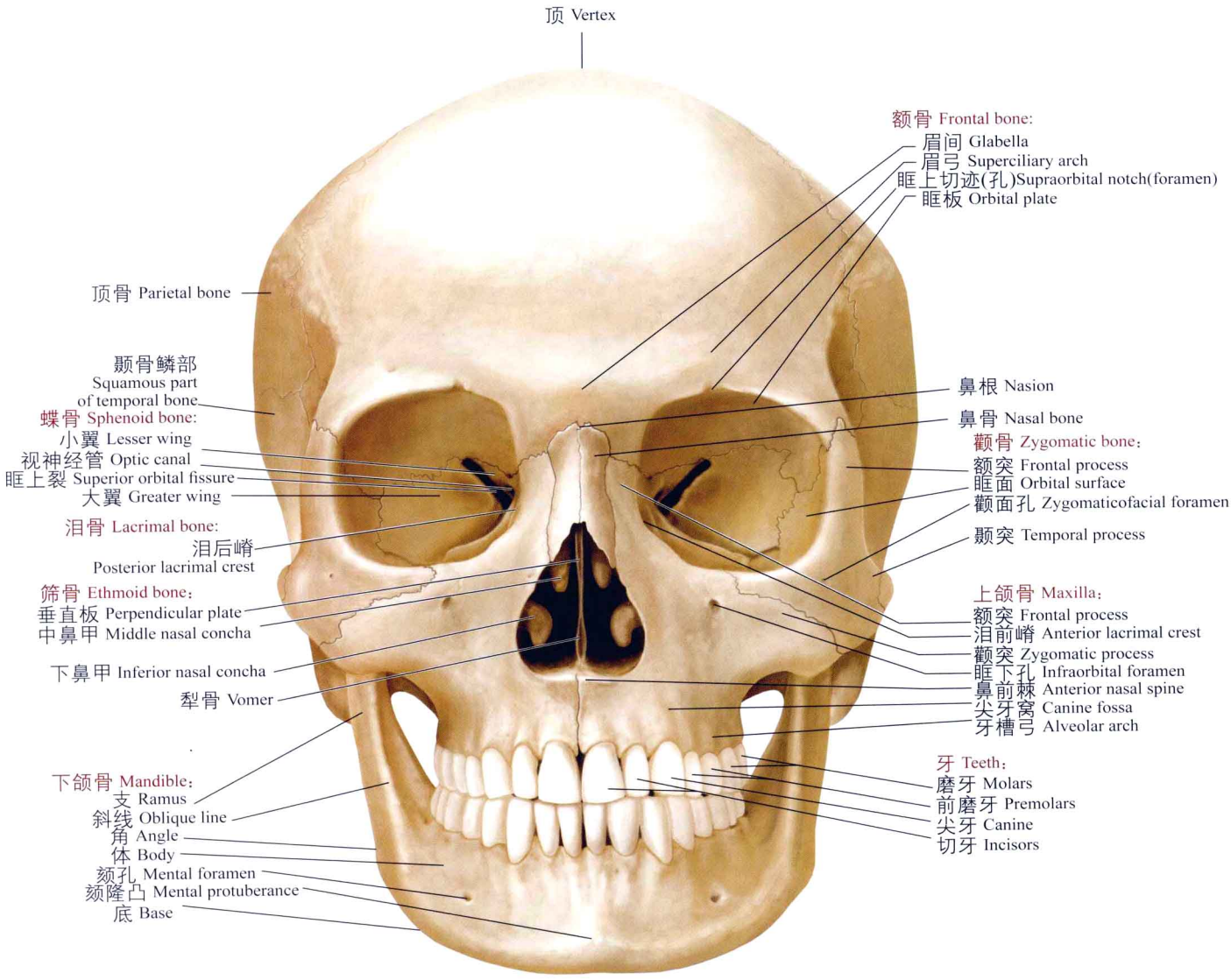


A.前面观 Anterior view

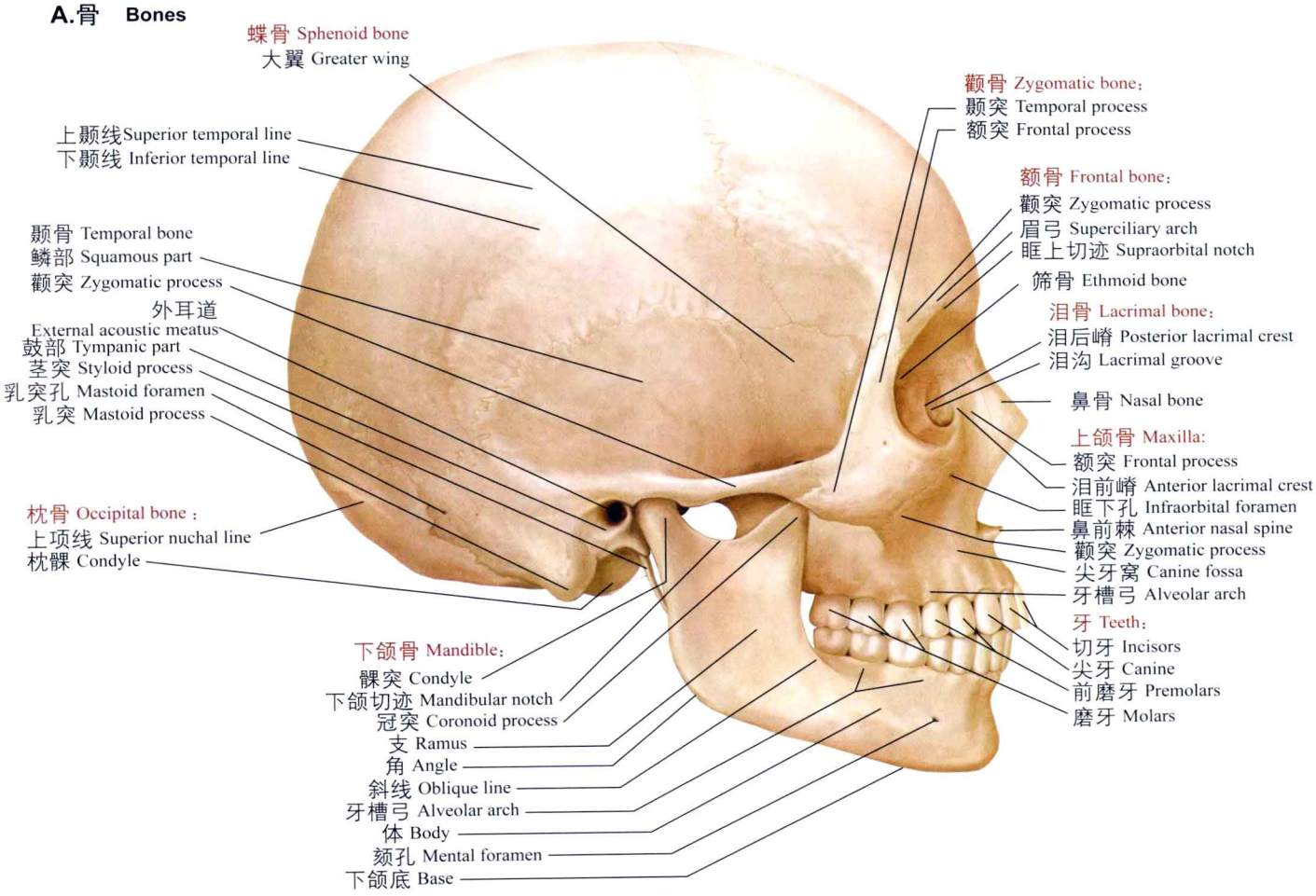


B.侧面观 Lateral view

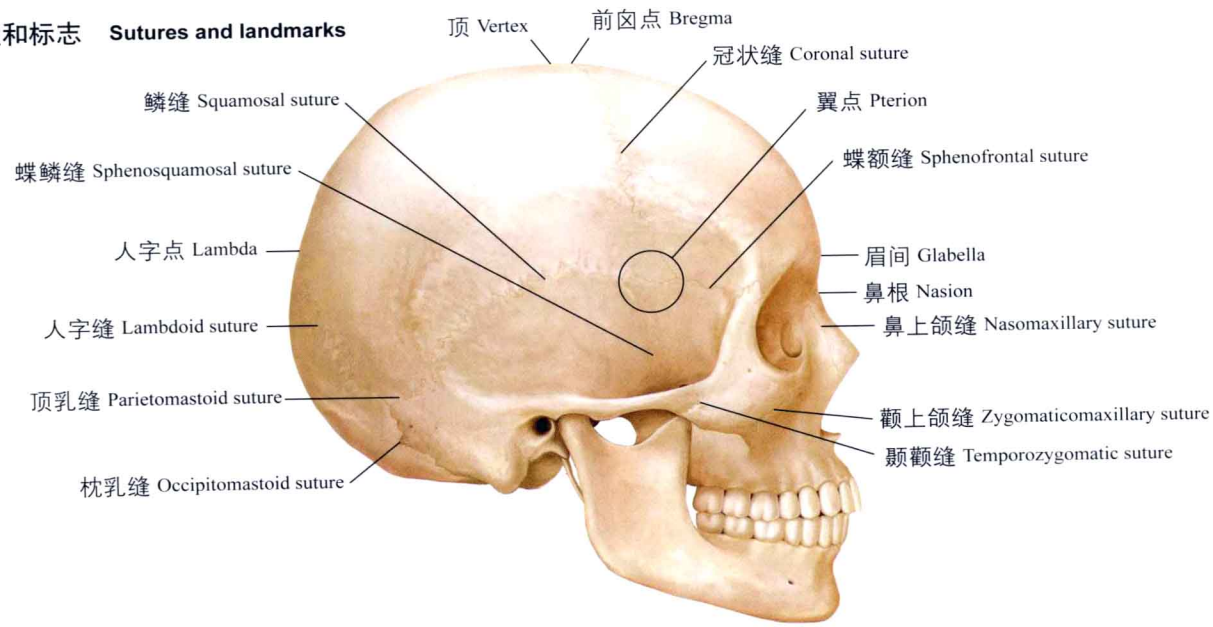



顶 Vertex
额骨 Frontal bone:
眉间 Glabella
眉弓 Superciliary arch
眶上切迹(孔)Supraorbital notch(foramen)
眶板 Orbital plate
顶骨 Parietal bone
颞骨鳞部 Squamous part of temporal bone
蝶骨 Sphenoid bone:
小翼 Lesser wing
视神经管 Optic canal
眶上裂 Superior orbital fissure
大翼 Greater wing
泪骨 Lacrimal bone:
泪后嵴 Posterior lacrimal crest
筛骨 Ethmoid bone:
垂直板 Perpendicular plate
中鼻甲 Middle nasal concha
下鼻甲 Inferior nasal concha
犁骨 Vomer
下颌骨 Mandible:
支 Ramus
斜线 Oblique line
角 Angle
体 Body
颏孔 Mental foramen
颏隆凸 Mental protuberance
底 Base
鼻根 Nasion
鼻骨 Nasal bone
颧骨 Zygomatic bone:
额突 Frontal process
眶面 Orbital surface
颧面孔 Zygomaticofacial foramen
颞突 Temporal process
上颌骨 Maxilla:
额突 Frontal process
泪前嵴 Anterior lacrimal crest
颧突 Zygomatic process
眶下孔 Infraorbital foramen
鼻前棘 Anterior nasal spine
尖牙窝 Canine fossa
牙槽弓 Alveolar arch
牙 Teeth:
磨牙 Molars
前磨牙 Premolars
尖牙 Canine
切牙 Incisors

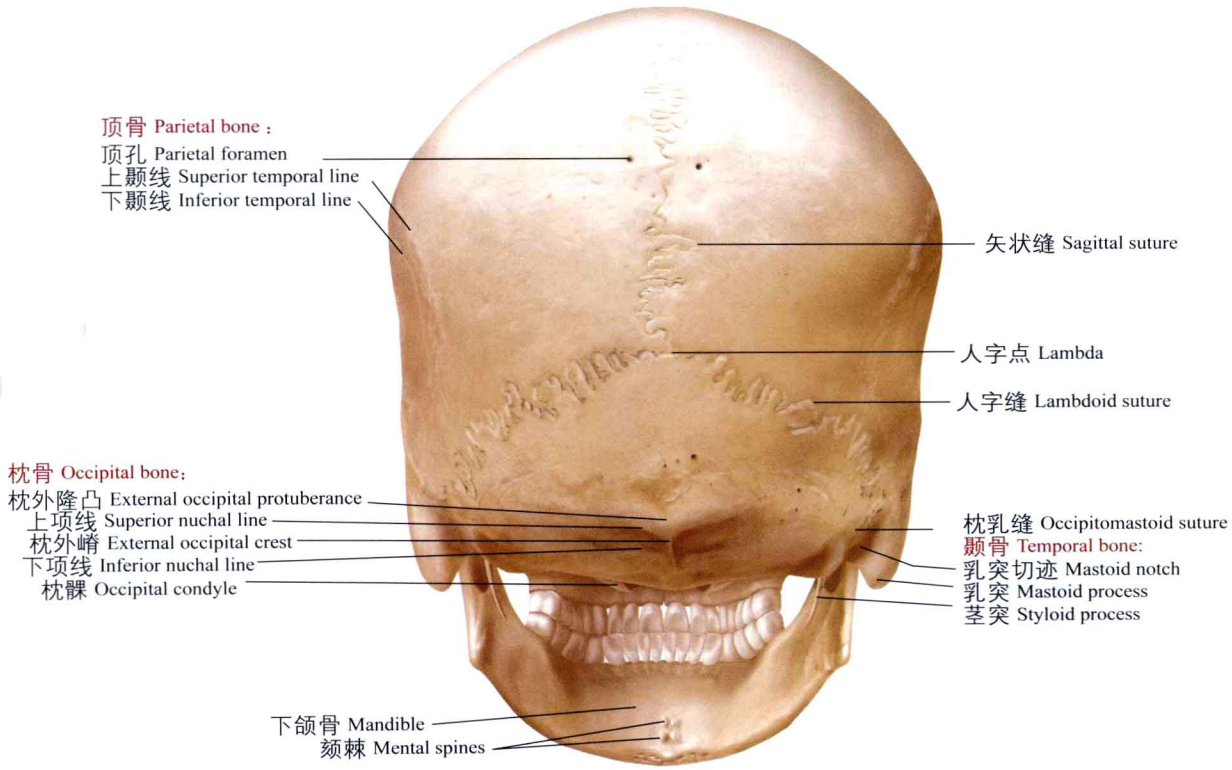
A.骨 Bones



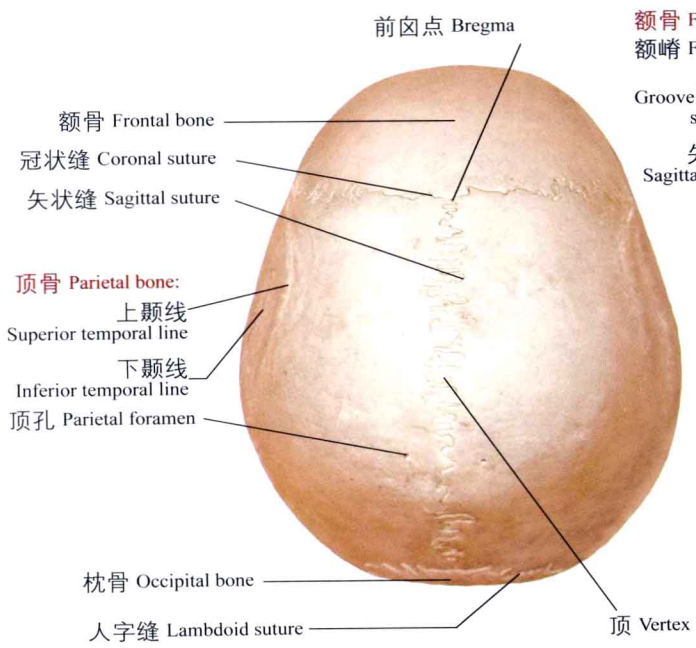
B.骨缝和标志 Sutures and landmarks



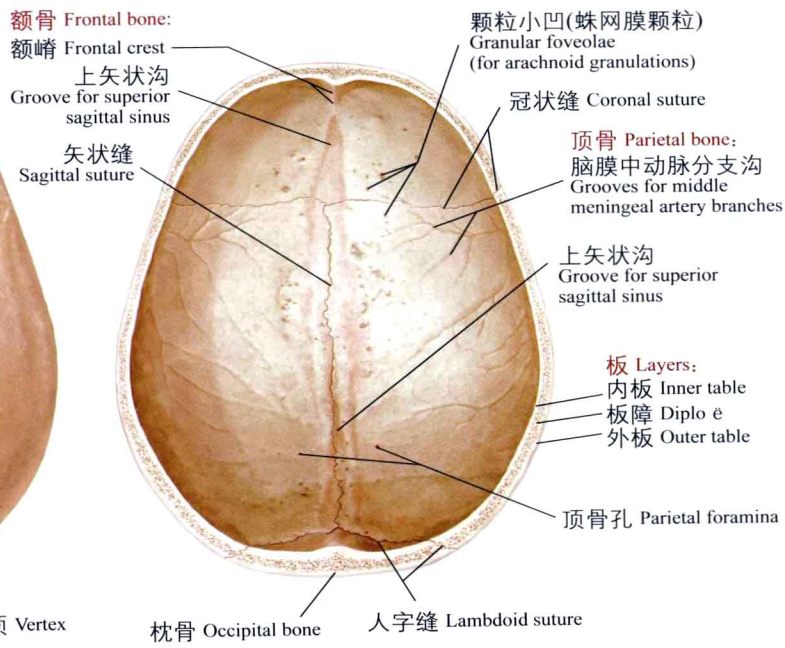
A.后面观 Posterior view

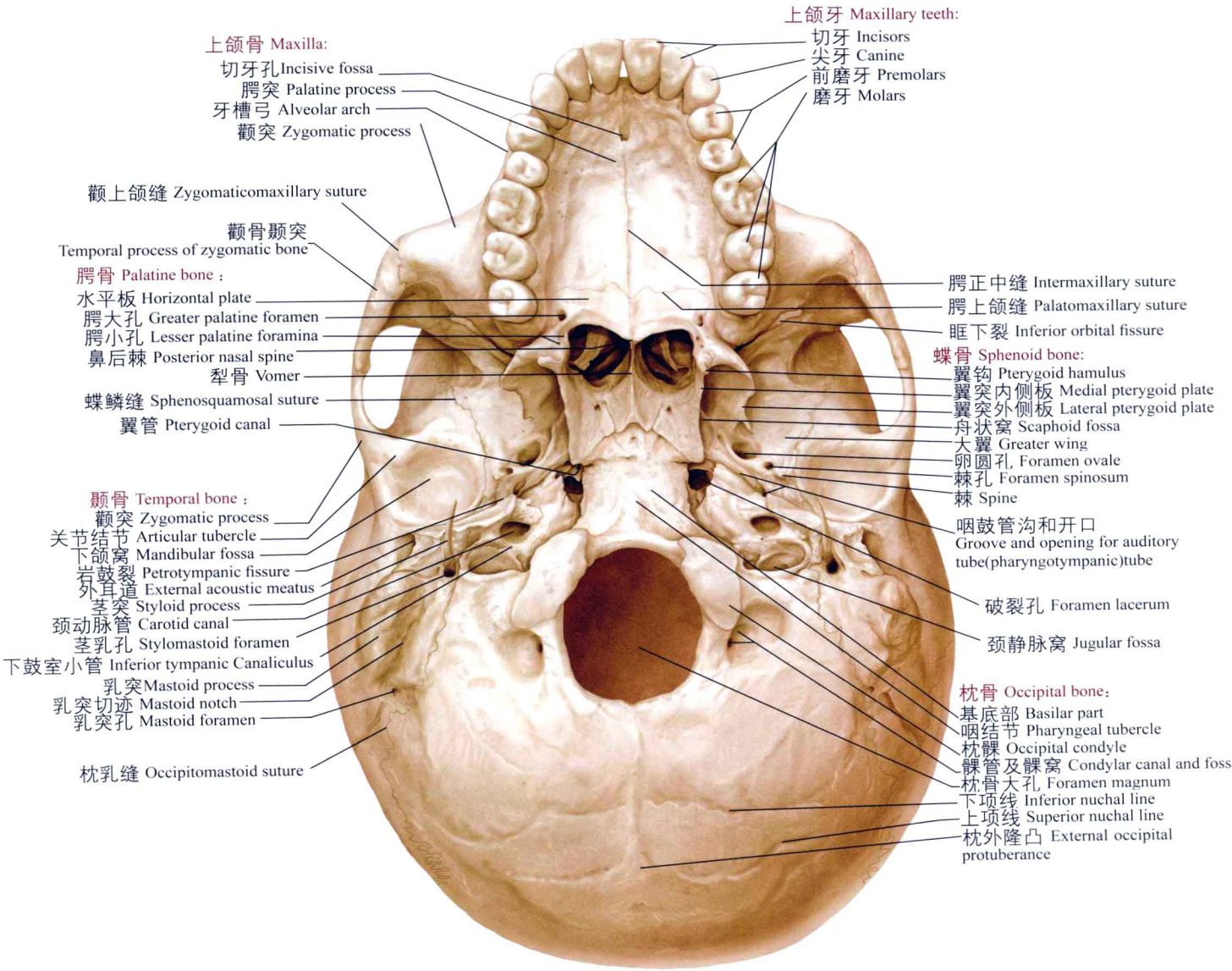


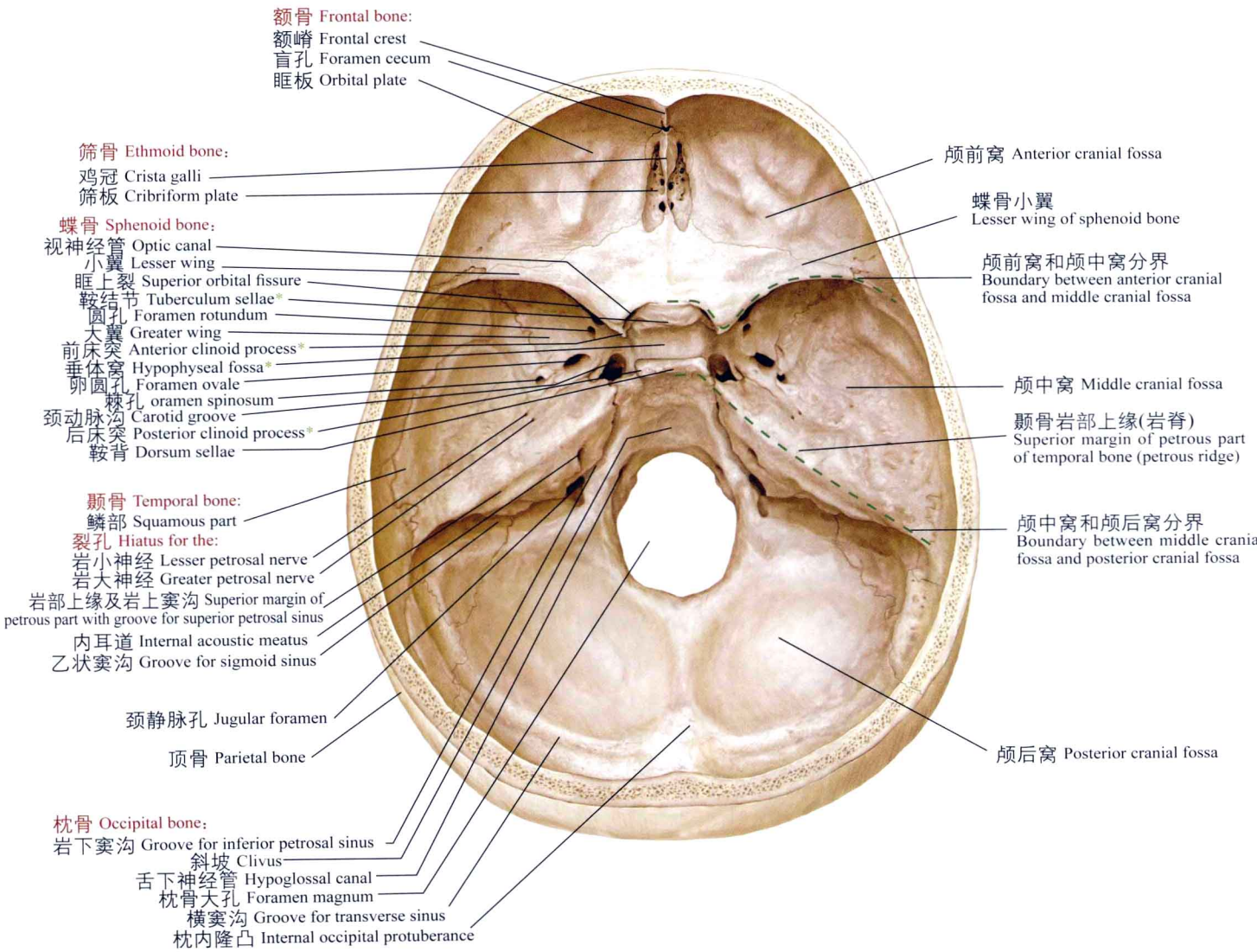
B.颅顶上面观 Calvaria ,superior view



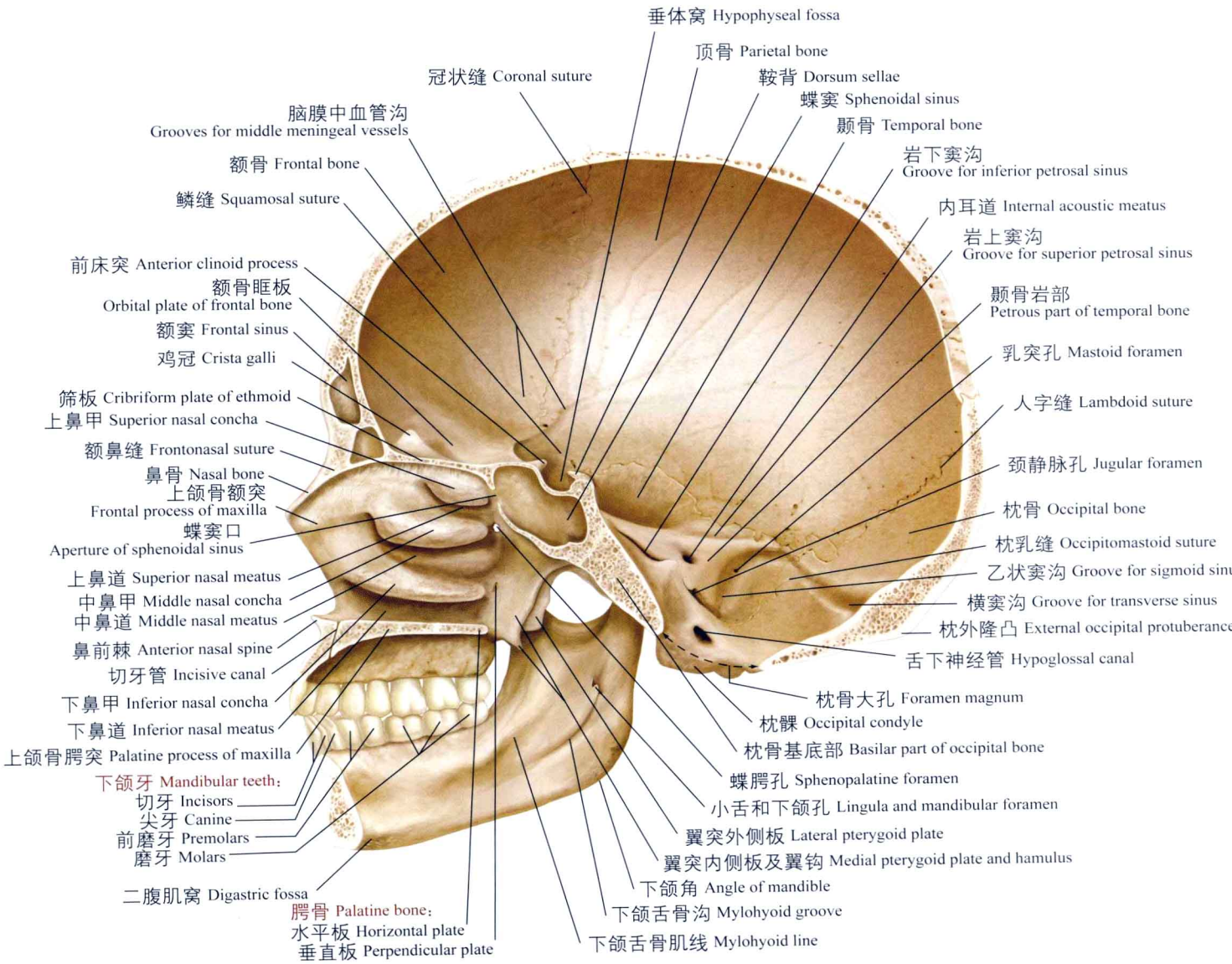
C.颅顶内面观 Calvaria ,internal surface

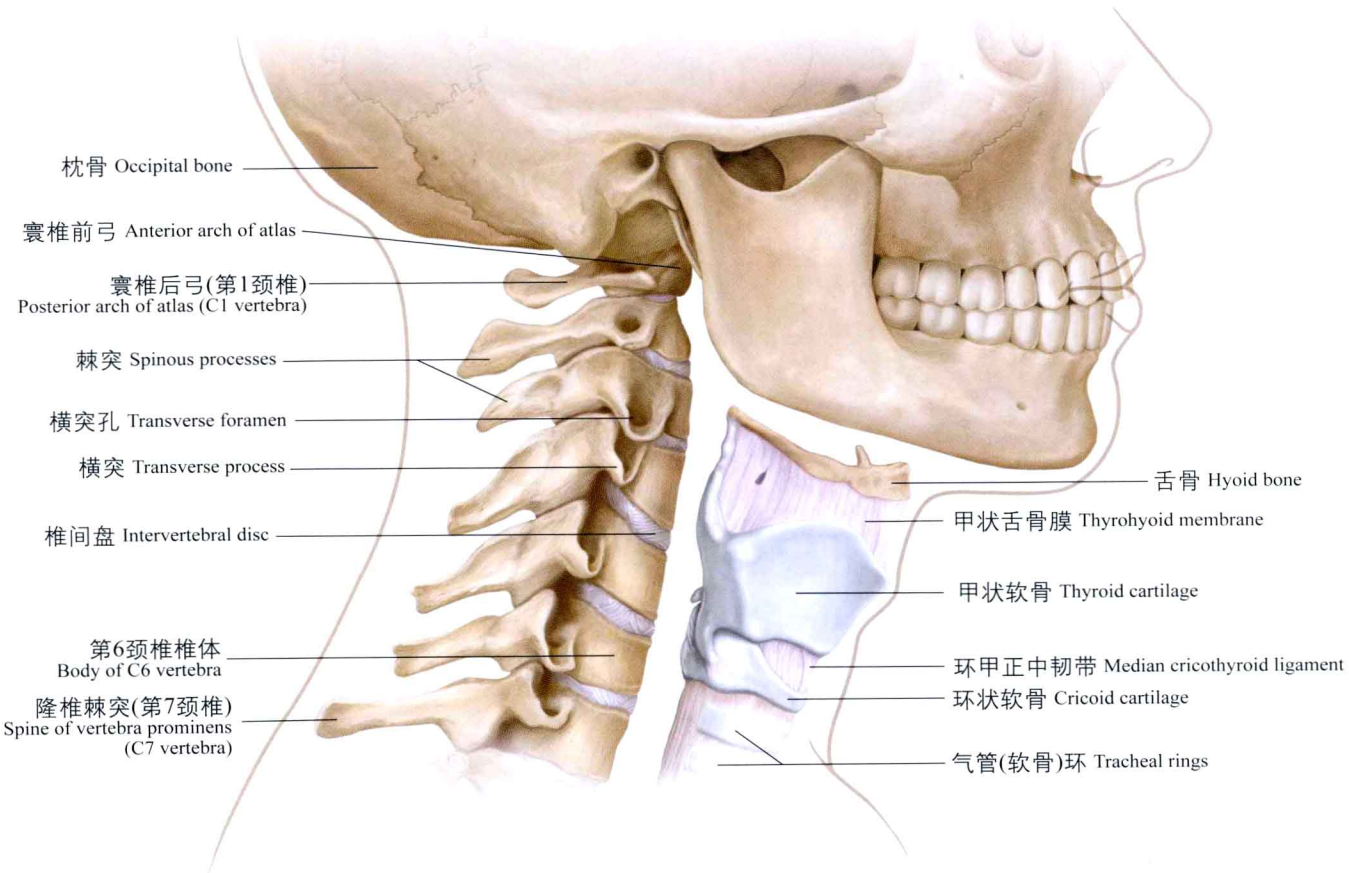



上颌牙 Maxillary teeth:
切牙 Incisors
尖牙 Canine
前磨牙 Premolars
磨牙 Molars
上颌骨 Maxilla:
切牙孔Incisive fossa
腭突 Palatine process
牙槽弓 Alveolar arch
颧突 Zygomatic process
颧上颌缝 Zygomaticomaxillary suture
颧骨颞突
Temporal process of zygomatic bone
腭骨 Palatine bone：
水平板 Horizontal plate
腭大孔 Greater palatine foramen
腭小孔 Lesser palatine foramina
鼻后棘 Posterior nasal spine
犁骨 Vomer
蝶鳞缝 Sphenosquamosal suture
翼管 Pterygoid canal
颞骨 Temporal bone：
颧突 Zygomatic process
关节结节 Articular tubercle
下颌窝 Mandibular fossa
岩鼓裂 Petrotympanic fissure
外耳道 External acoustic meatus
茎突 Styloid process
颈动脉管 Carotid canal
茎乳孔 Stylomastoid foramen
下鼓室小管 Inferior tympanic Canaliculus
乳突Mastoid process
乳突切迹 Mastoid notch
乳突孔 Mastoid foramen
枕乳缝 Occipitomastoid suture
腭正中缝 Intermaxillary suture
腭上颌缝 Palatomaxillary suture
眶下裂 Inferior orbital fissure
蝶骨 Sphenoid bone:
翼钩 Pterygoid hamulus
翼突内侧板 Medial pterygoid plate
翼突外侧板 Lateral pterygoid plate
舟状窝 Scaphoid fossa
大翼 Greater wing
卵圆孔, Foramen ovale
棘孔 Foramen spinosum
棘 Spine
咽鼓管沟和开口
Groove and opening for auditory tube(pharyngotympanic)tube
破裂孔 Foramen lacerum
颈静脉窝 Jugular fossa
枕骨 Occipital bone：
基底部 Basilar part
咽结节 Pharyngeal tubercle
枕髁 Occipital condyle
髁管及髁窝 Condylar canal and foss
枕骨大孔 Foramen magnum
下项线 Inferior nuchal line
上项线 Superior nuchal line
枕外隆凸 External occipital protuberance

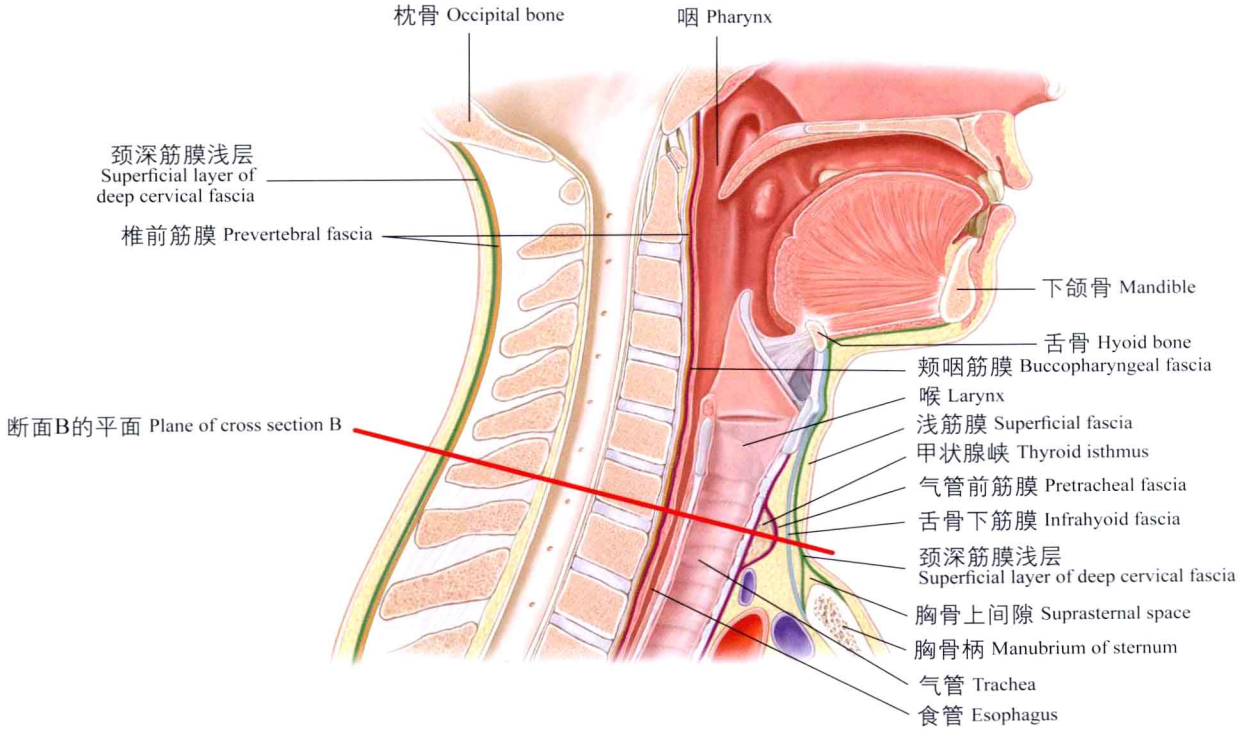


*这四部分组成蝶鞍 These four structures make up the sella turcica

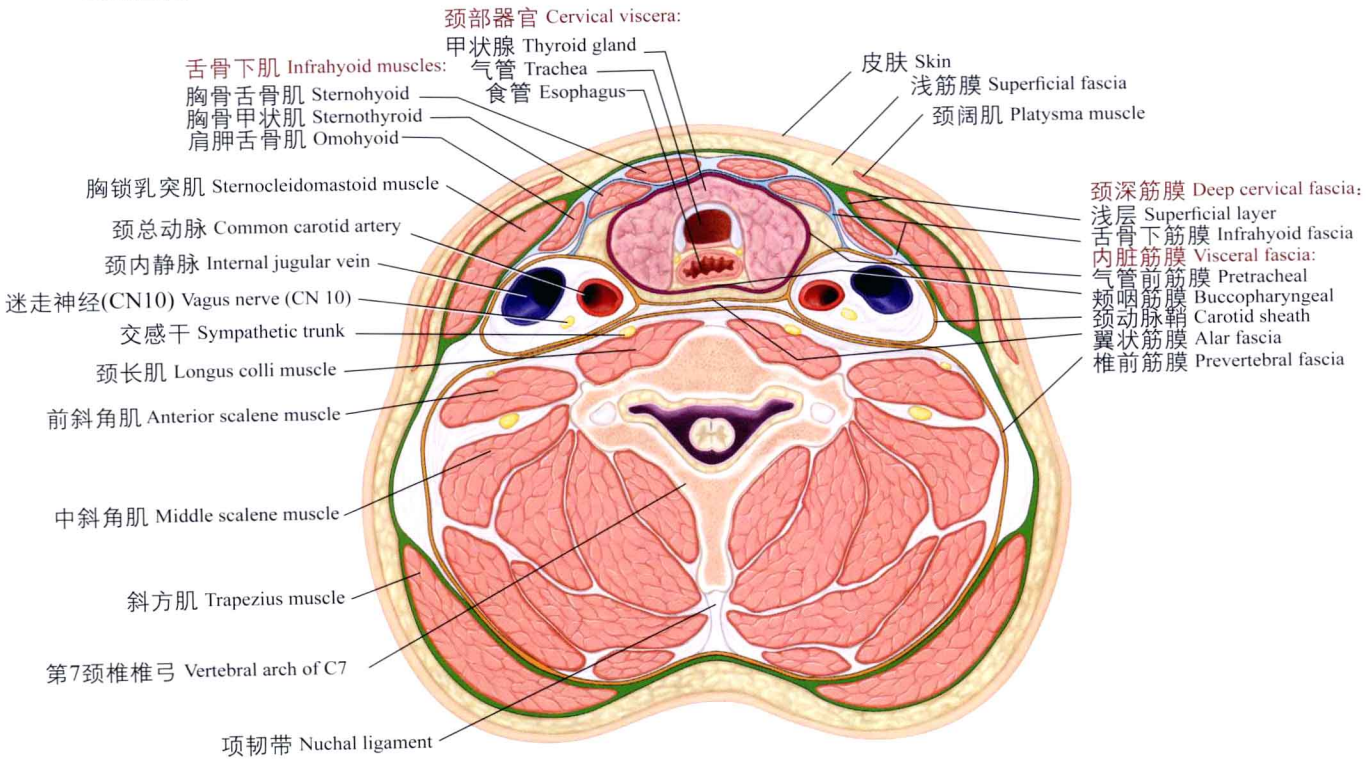

垂体窝 Hypophyseal fossa
顶骨 Parietal bone
冠状缝 Coronal suture
鞍背 Dorsum sellae
蝶窦 Sphenoidal sinus
脑膜中血管沟
Grooves for middle meningeal vessels
颞骨 Temporal bone
岩下窦沟
Groove for inferior petrosal sinus
额骨 Frontal bone
鳞缝 Squamosal suture
内耳道 Internal acoustic meatus
岩上窦沟
Groove for superior petrosal sinus
前床突 Anterior clinoid process
额骨眶板
Orbital plate of frontal bone
颞骨岩部
Petrous part of temporal bone
额窦 Frontal sinus
乳突孔 Mastoid foramen
鸡冠 Crista galli
筛板 Cribriform plate of ethmoid
人字缝 Lambdoid suture
上鼻甲 Superior nasal concha
额鼻缝 Frontonasal suture
颈静脉孔 Jugular foramen
鼻骨 Nasal bone
上颌骨额突
Frontal process of maxilla
枕骨 Occipital bone
蝶窦口
Aperture of sphenoidal sinus
枕乳缝 Occipitomastoid suture
上鼻道 Superior nasal meatus
乙状窦沟 Groove for sigmoid sinu
中鼻甲 Middle nasal concha
横窦沟 Groove for transverse sinus
中鼻道 Middle nasal meatus
枕外隆凸 External occipital protuberance
鼻前棘 Anterior nasal spine
舌下神经管 Hypoglossal canal
切牙管 Incisive canal
枕骨大孔 Foramen magnum
下鼻甲 Inferior nasal concha
枕髁 Occipital condyle
下鼻道 Inferior nasal meatus
枕骨基底部 Basilar part of occipital bone
上颌骨腭突 Palatine process of maxilla
蝶腭孔 Sphenopalatine foramen
下颌牙 Mandibular teeth:
小舌和下颌孔 Lingula and mandibular foramen
切牙 Incisors
翼突外侧板 Lateral pterygoid plate
尖牙 Canine
翼突内侧板及翼钩 Medial pterygoid plate and hamulus
前磨牙 Premolars
磨牙 Molars
下颌角 Angle of mandible
二腹肌窝 Digastric fossa
下颌舌骨沟 Mylohyoid groove
腭骨 Palatine bone:
水平板 Horizontal plate
垂直板 Perpendicular plate
下颌舌骨肌线 Mylohyoid line

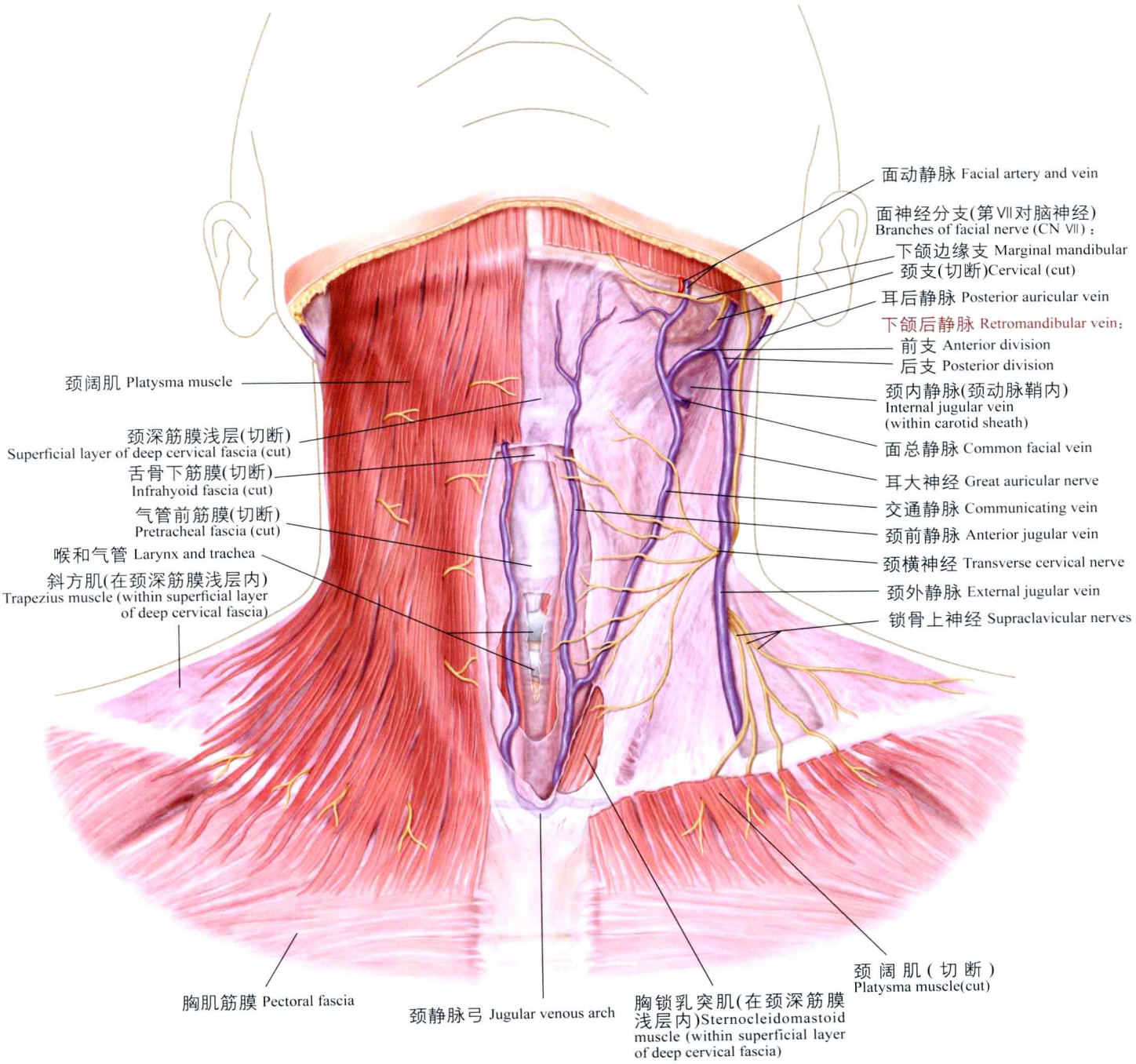

枕骨 Occipital bone
寰椎前弓 Anterior arch of atlas
寰椎后弓(第1颈椎)
Posterior arch of atlas (C1 vertebra)
棘突 Spinous processes
横突孔 Transverse foramen
横突 Transverse process
椎间盘 Intervertebral disc
第6颈椎椎体
Body of C6 vertebra
隆椎棘突(第7颈椎)
Spine of vertebra prominens
(C7 vertebra)
舌骨 Hyoid bone
甲状舌骨膜 Thyrohyoid membrane
甲状软骨 Thyroid cartilage
环甲正中韧带 Median cricothyroid ligament
环状软骨 Cricoid cartilage
气管(软骨)环 Tracheal rings

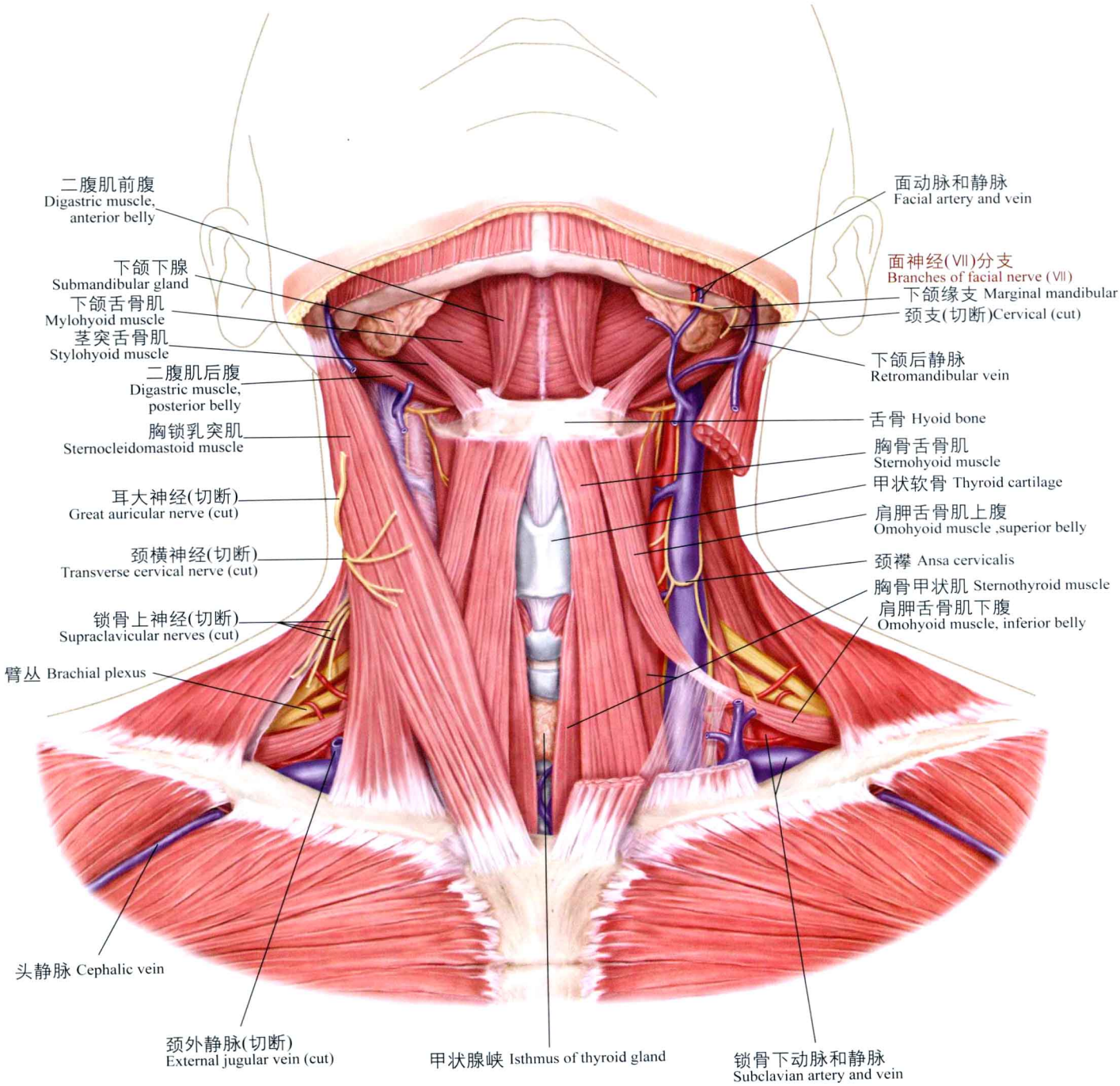
A.矢状断面 Sagittal section

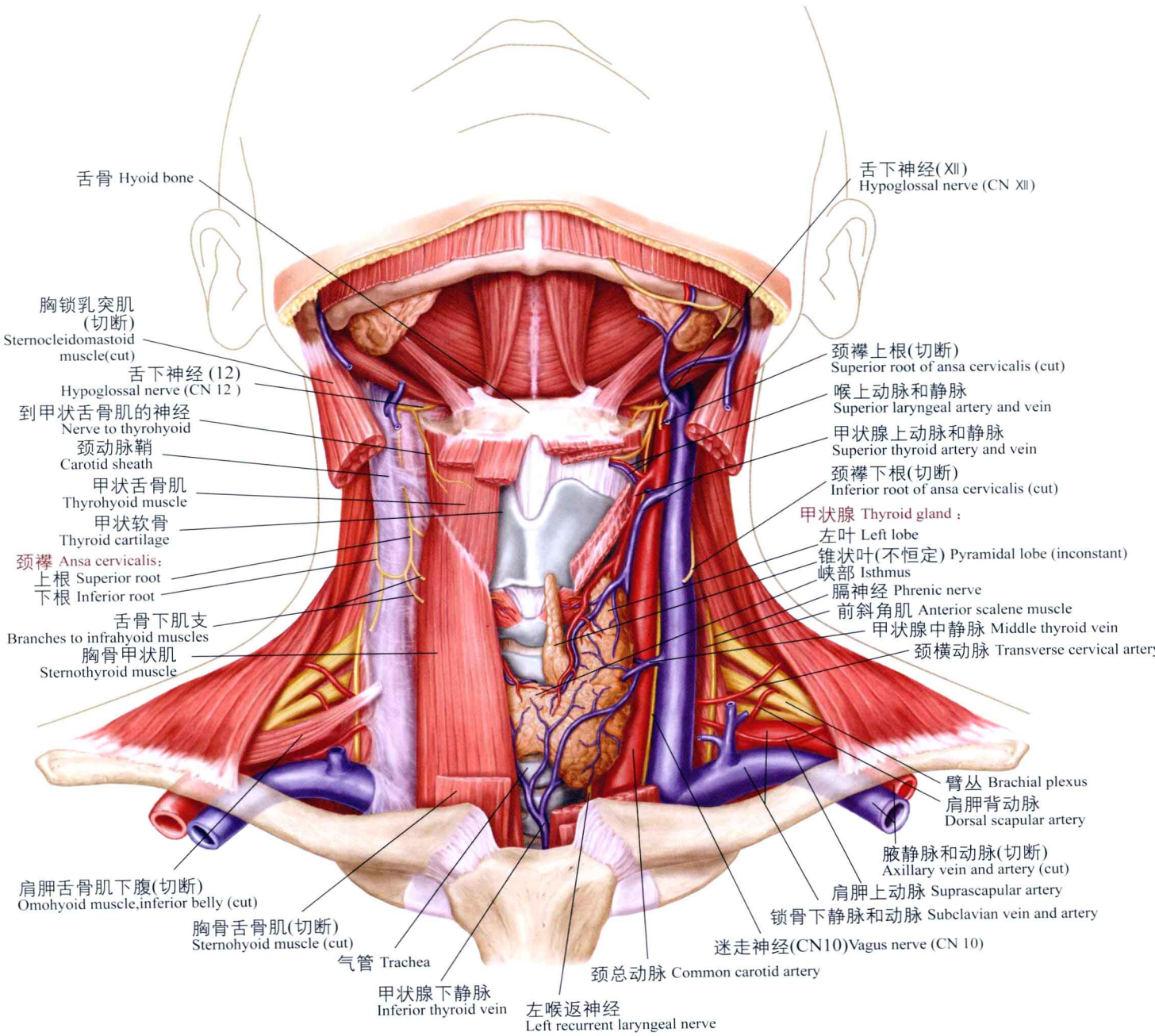


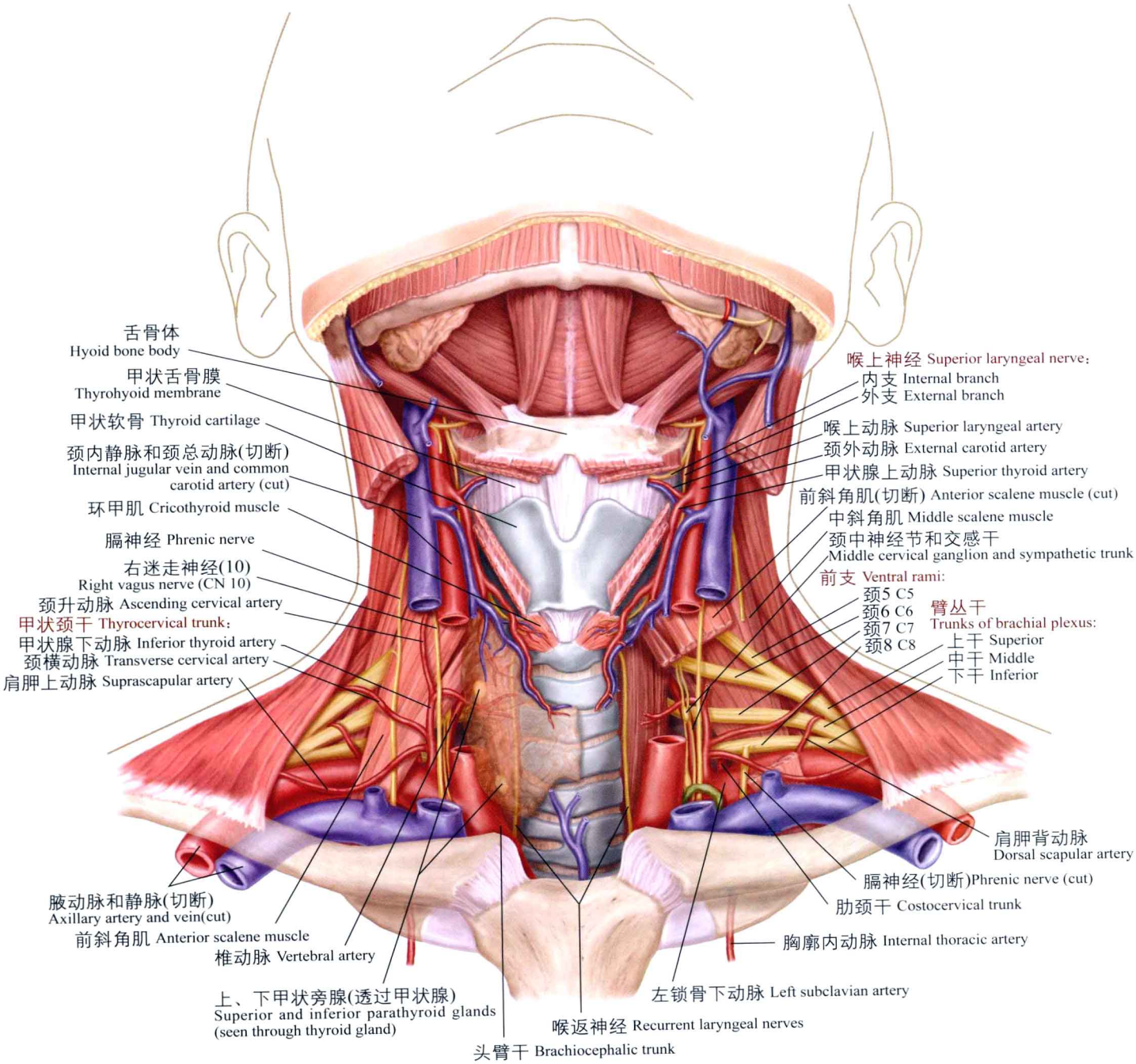
B.横截面 cross section



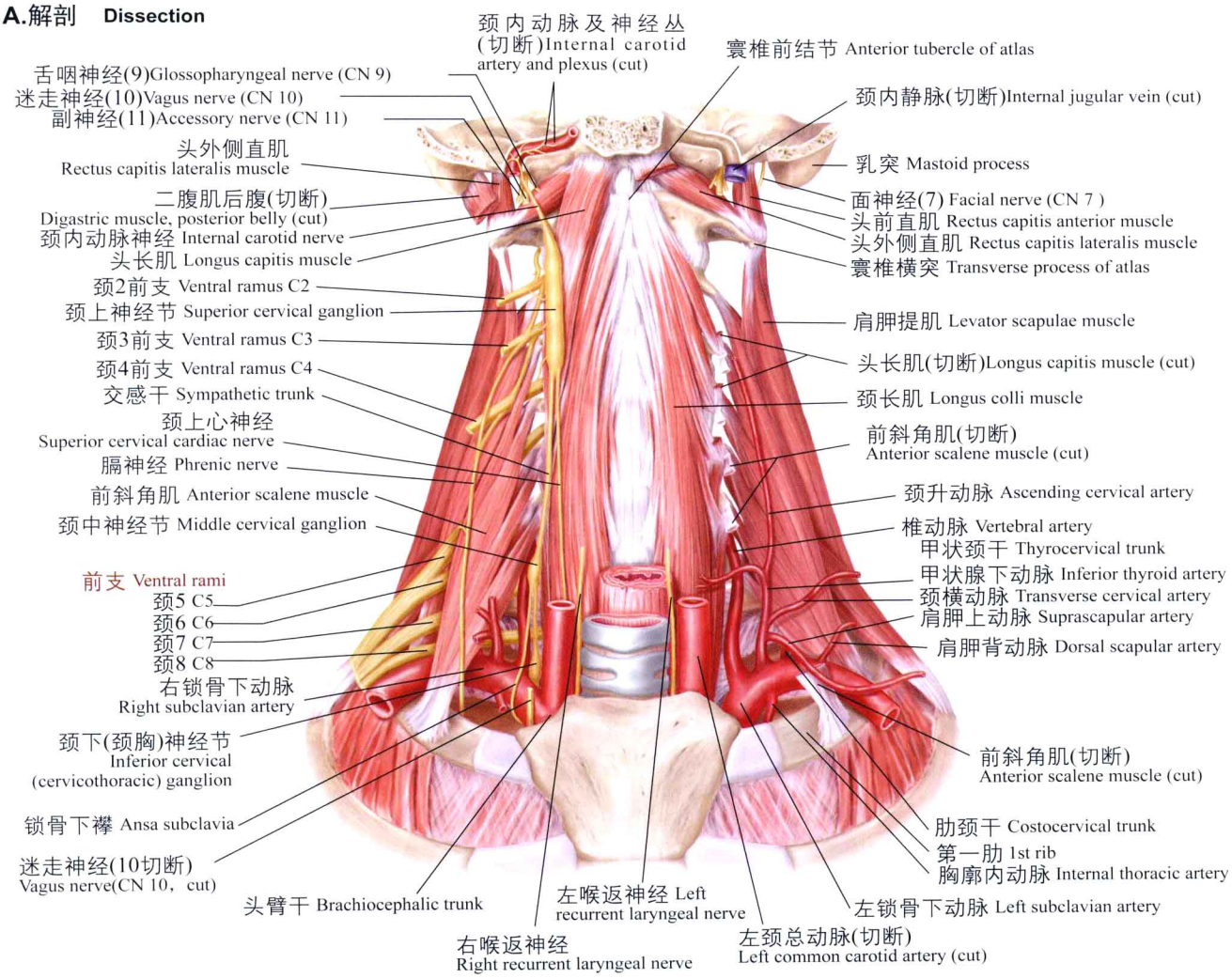

面动静脉 Facial artery and vein
面神经分支(第Ⅶ对脑神经)
Branches of facial nerve (CN Ⅶ):
下颌边缘支 Marginal mandibular
颈支(切断)Cervical (cut)
耳后静脉 Posterior auricular vein
下颌后静脉 Retromandibular vein:
前支 Anterior division
后支 Posterior division
颈阔肌 Platysma muscle
颈内静脉(颈动脉鞘内)
Internal jugular vein
(within carotid sheath)
颈深筋膜浅层(切断)
Superficial layer of deep cervical fascia (cut)
面总静脉 Common facial vein
舌骨下筋膜(切断)
Infrahyoid fascia (cut)
耳大神经 Great auricular nerve
气管前筋膜(切断)
Pretracheal fascia (cut)
交通静脉 Communicating vein
颈前静脉 Anterior jugular vein
喉和气管 Larynx and trachea
颈横神经 Transverse cervical nerve
斜方肌(在颈深筋膜浅层内)
Trapezius muscle (within superficial layer
of deep cervical fascia)
颈外静脉 External jugular vein
锁骨上神经 Supraclavicular nerves
颈阔肌(切断)
Platysma muscle(cut)
胸肌筋膜 Pectoral fascia
颈静脉弓 Jugular venous arch
胸锁乳突肌(在颈深筋膜浅层内)Sternocleidomastoid
muscle (within superficial layer
of deep cervical fascia)


二腹肌前腹
Digastric muscle, anterior belly
下颌下腺
Submandibular gland
下颌舌骨肌
Mylohyoid muscle
茎突舌骨肌
Stylohyoid muscle
二腹肌后腹
Digastric muscle, posterior belly
胸锁乳突肌
Sternocleidomastoid muscle
耳大神经(切断)
Great auricular nerve (cut)
颈横神经(切断)
Transverse cervical nerve (cut)
锁骨上神经(切断)
Supraclavicular nerves (cut)
臂丛 Brachial plexus
头静脉 Cephalic vein
颈外静脉(切断)
External jugular vein (cut)
甲状腺峡 Isthmus of thyroid gland
锁骨下动脉和静脉
Subclavian artery and vein
面动脉和静脉
Facial artery and vein
面神经(Ⅶ)分支
Branches of facial nerve (Ⅶ)
下颌缘支 Marginal mandibular
颈支(切断)Cervical (cut)
下颌后静脉
Retromandibular vein
舌骨 Hyoid bone
胸骨舌骨肌
Sternohyoid muscle
甲状软骨 Thyroid cartilage
肩胛舌骨肌上腹
Omohyoid muscle ,superior belly
颈襻 Ansa cervicalis
胸骨甲状肌 Sternothyroid muscle
肩胛舌骨肌下腹
Omohyoid muscle, inferior belly

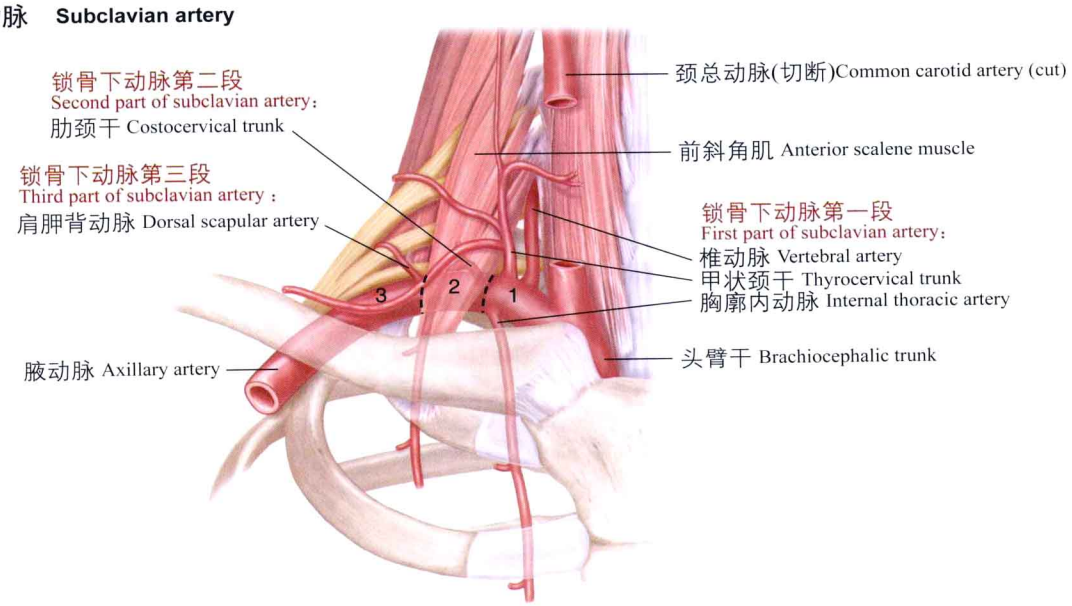

舌骨 Hyoid bone
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
胸锁乳突肌(切断)
Sternocleidomastoid muscle(cut)
舌下神经 (12)
Hypoglossal nerve (CN 12)
到甲状舌骨肌的神经
Nerve to thyrohyoid
颈动脉鞘
Carotid sheath
甲状舌骨肌
Thyrohyoid muscle
甲状软骨
Thyroid cartilage
颈襻 Ansa cervicalis:
上根 Superior root
下根 Inferior root
舌骨下肌支
Branches to infrahyoid muscles
胸骨甲状肌
Sternothyroid muscle
颈襻上根(切断)
Superior root of ansa cervicalis (cut)
喉上动脉和静脉
Superior laryngeal artery and vein
甲状腺上动脉和静脉
Superior thyroid artery and vein
颈襻下根(切断)
Inferior root of ansa cervicalis (cut)
甲状腺 Thyroid gland :
左叶 Left lobe
锥状叶(不恒定) Pyramidal lobe (inconstant)
峡部 Isthmus
膈神经 Phrenic nerve
前斜角肌 Anterior scalene muscle
甲状腺中静脉 Middle thyroid vein
颈横动脉 Transverse cervical artery
臂丛 Brachial plexus
肩胛背动脉
Dorsal scapular artery
腋静脉和动脉(切断)
Axillary vein and artery (cut)
肩胛上动脉 Suprascapular artery
锁骨下静脉和动脉 Subclavian vein and artery
迷走神经(CN10)Vagus nerve (CN 10)
颈总动脉 Common carotid artery
左喉返神经
Left recurrent laryngeal nerve
甲状腺下静脉
Inferior thyroid vein
气管 Trachea
胸骨舌骨肌(切断)
Sternohyoid muscle (cut)
肩胛舌骨肌下腹(切断)
Omohyoid muscle,inferior belly (cut)


舌骨体
Hyoid bone body
甲状舌骨膜
Thyrohyoid membrane
甲状软骨 Thyroid cartilage
颈内静脉和颈总动脉(切断)
Internal jugular vein and common carotid artery (cut)
环甲肌 Cricothyroid muscle
膈神经 Phrenic nerve
右迷走神经(10)
Right vagus nerve (CN 10)
颈升动脉 Ascending cervical artery
甲状颈干 Thyrocervical trunk:
甲状腺下动脉 Inferior thyroid artery
颈横动脉 Transverse cervical artery
肩胛上动脉 Suprascapular artery
腋动脉和静脉(切断)
Axillary artery and vein(cut)
前斜角肌 Anterior scalene muscle
椎动脉 Vertebral artery
上、下甲状旁腺(透过甲状腺)
Superior and inferior parathyroid glands (seen through thyroid gland)
头臂干 Brachiocephalic trunk
喉返神经 Recurrent laryngeal nerves
左锁骨下动脉 Left subclavian artery
喉上神经 Superior laryngeal nerve:
内支 Internal branch
外支 External branch
喉上动脉 Superior laryngeal artery
颈外动脉 External carotid artery
甲状腺上动脉 Superior thyroid artery
前斜角肌(切断) Anterior scalene muscle (cut)
中斜角肌 Middle scalene muscle
颈中神经节和交感干
Middle cervical ganglion and sympathetic trunk
前支 Ventral rami:
颈5 C5
颈6 C6
颈7 C7
颈8 C8
臂丛干
Trunks of brachial plexus:
上干 Superior
中干 Middle
下干 Inferior
肩胛背动脉
Dorsal scapular artery
膈神经(切断)Phrenic nerve (cut)
肋颈干 Costocervical trunk
胸廓内动脉 Internal thoracic artery

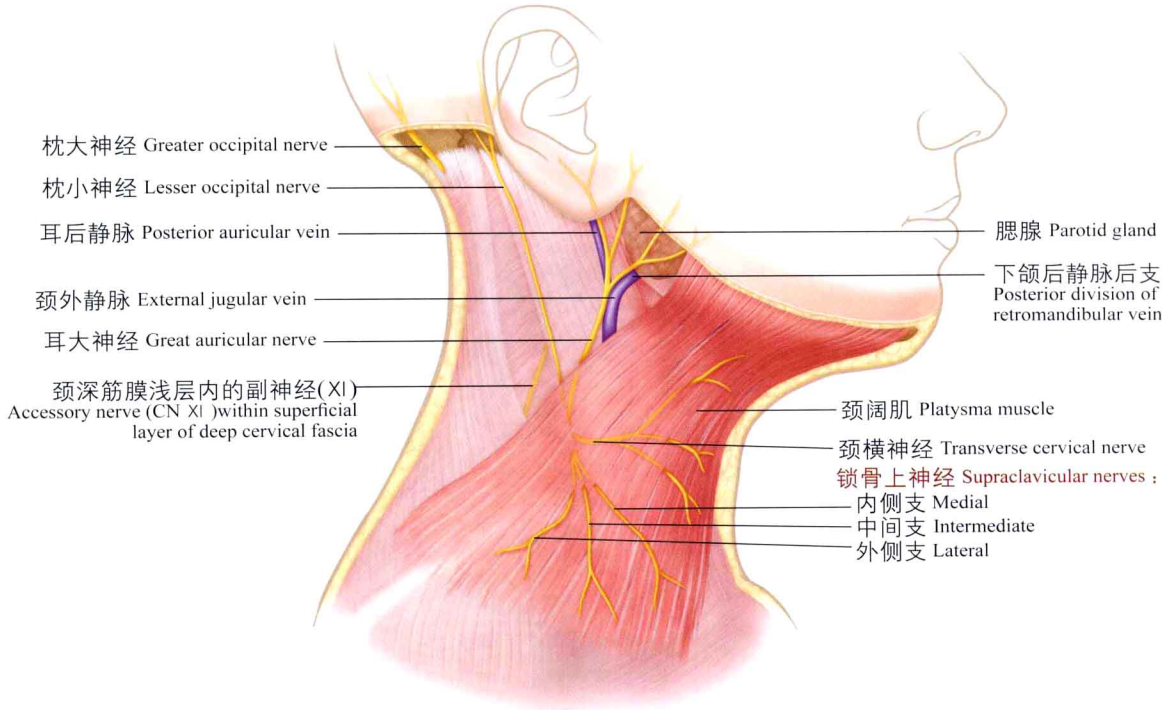
A.解剖 Dissection



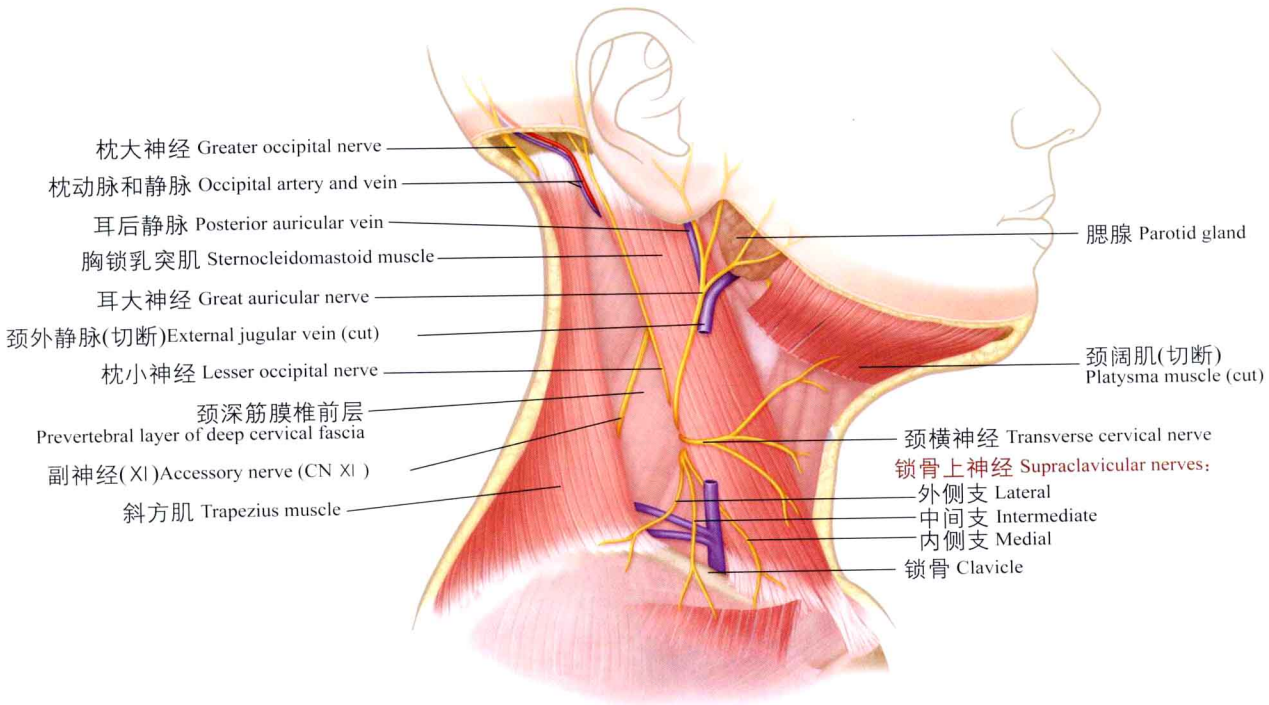
B.锁骨下动脉 Subclavian artery

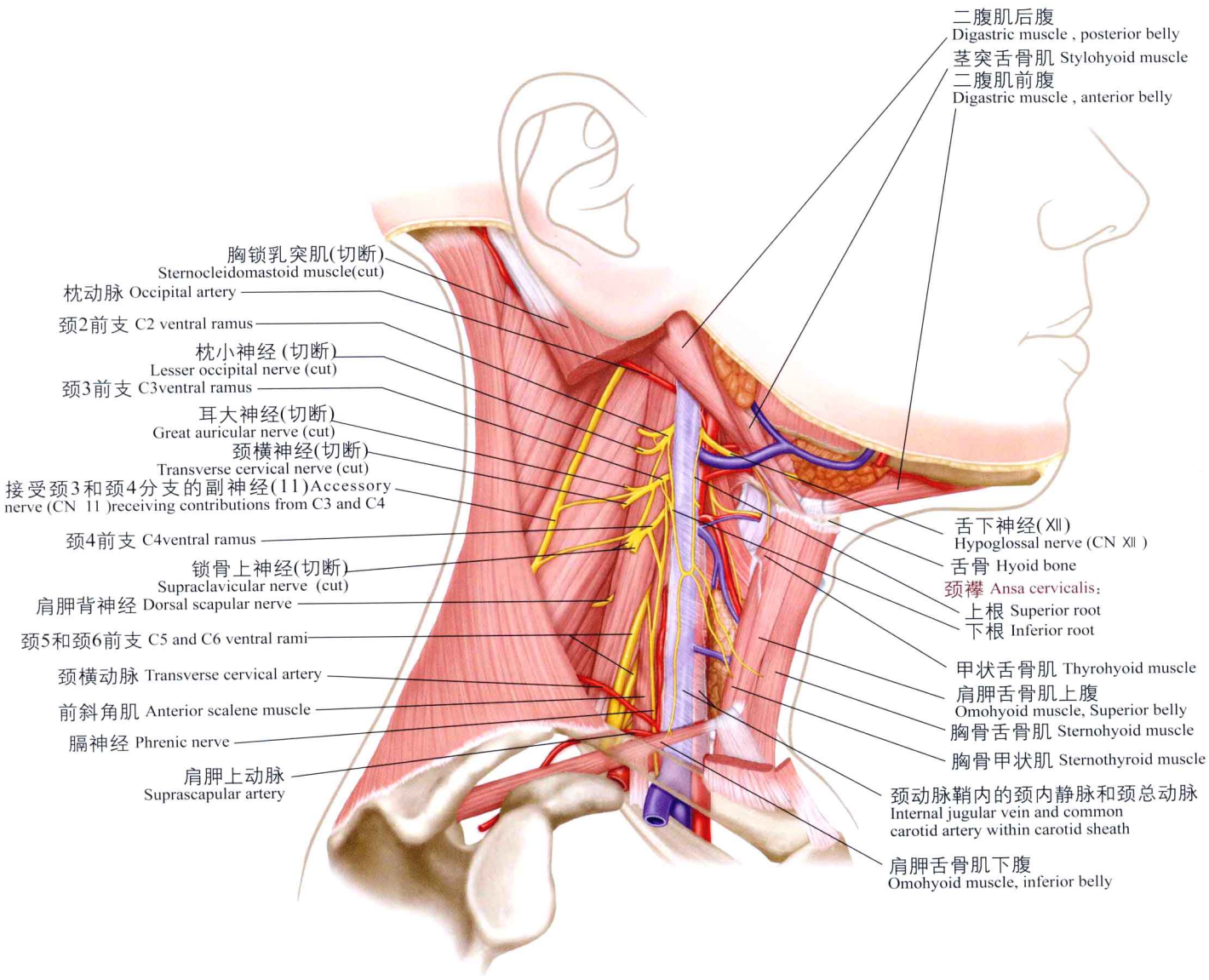


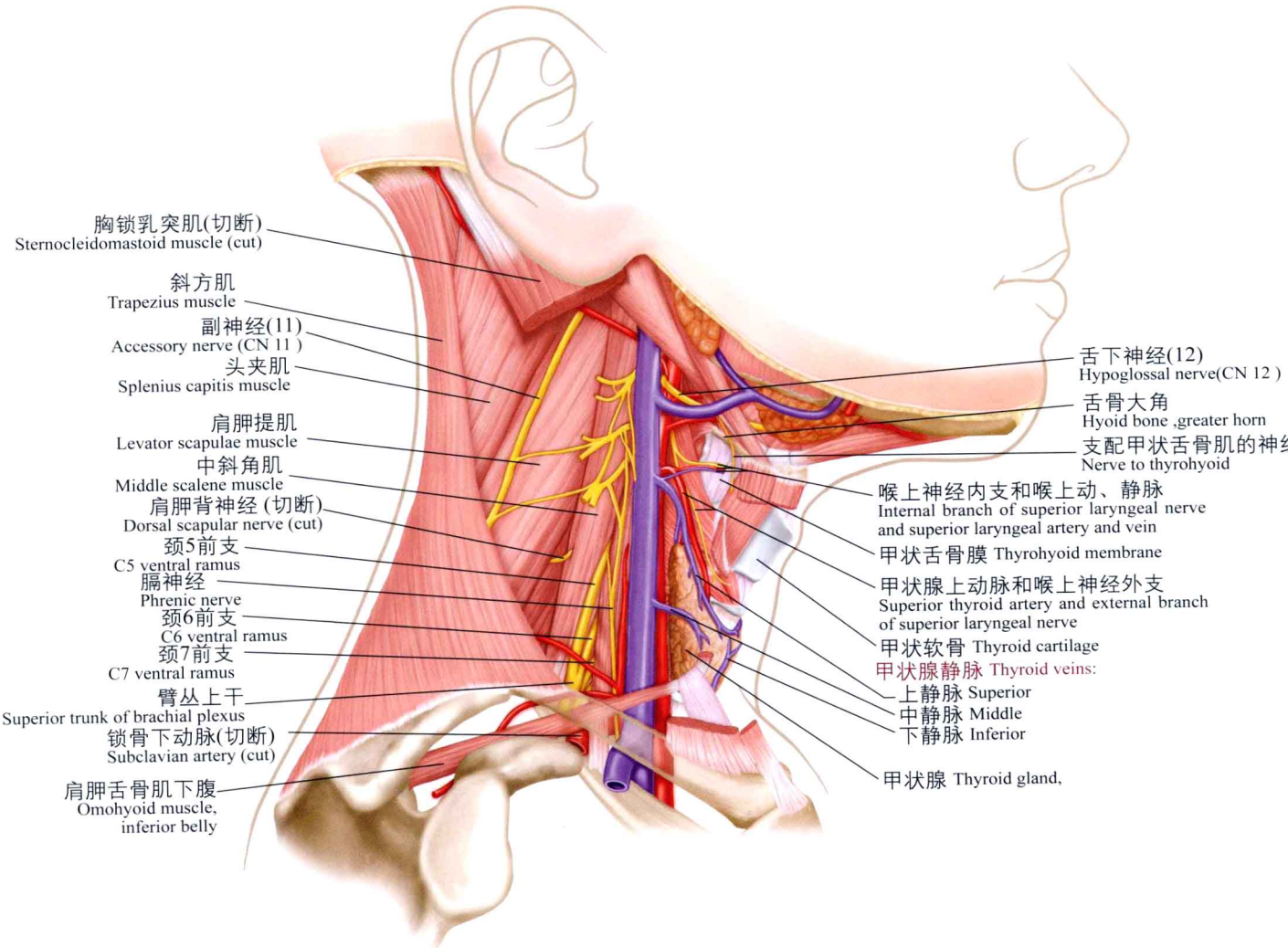
A.浅层解剖 Superficial dissection

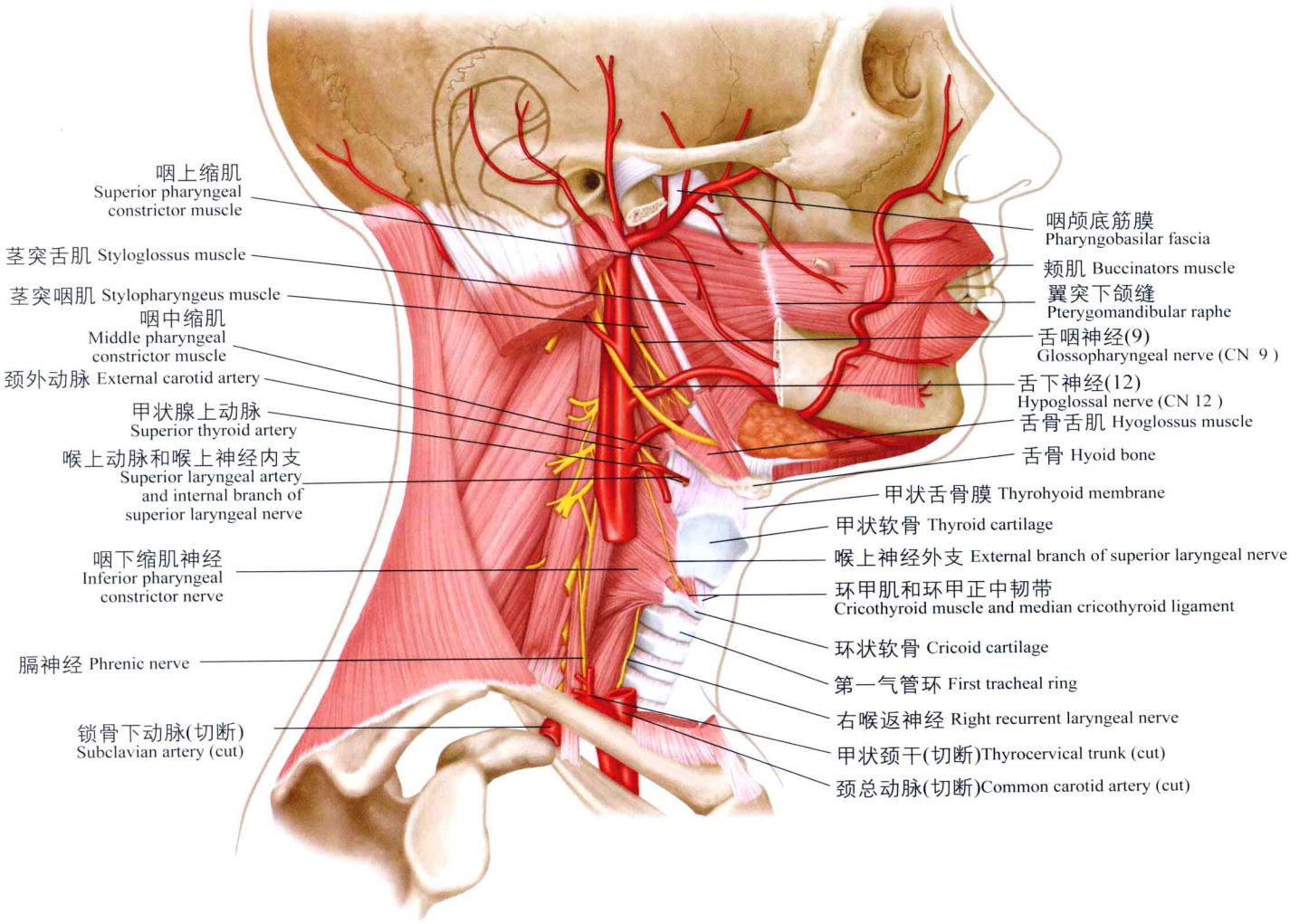


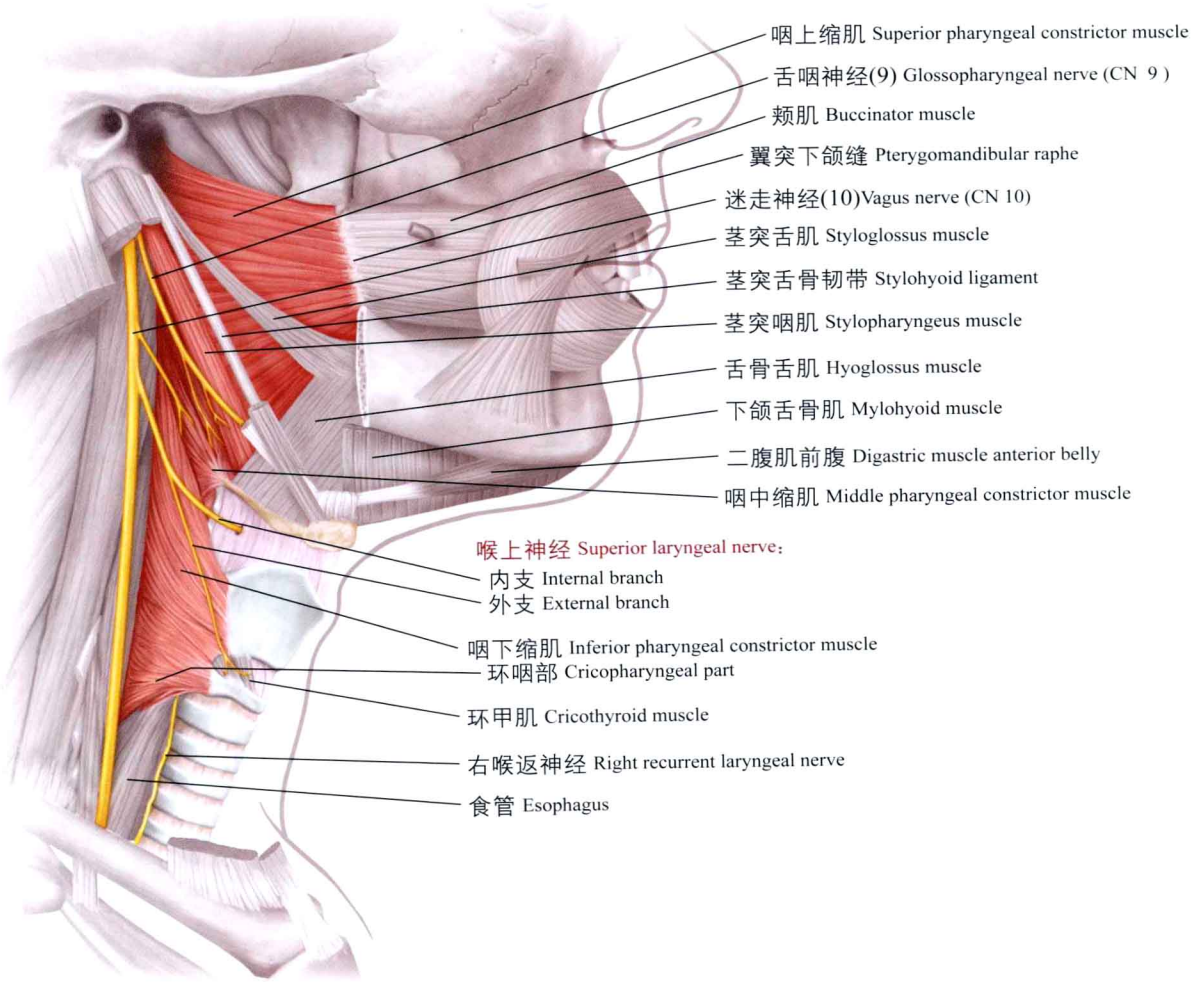
B.中层解剖 Intermediate dissection

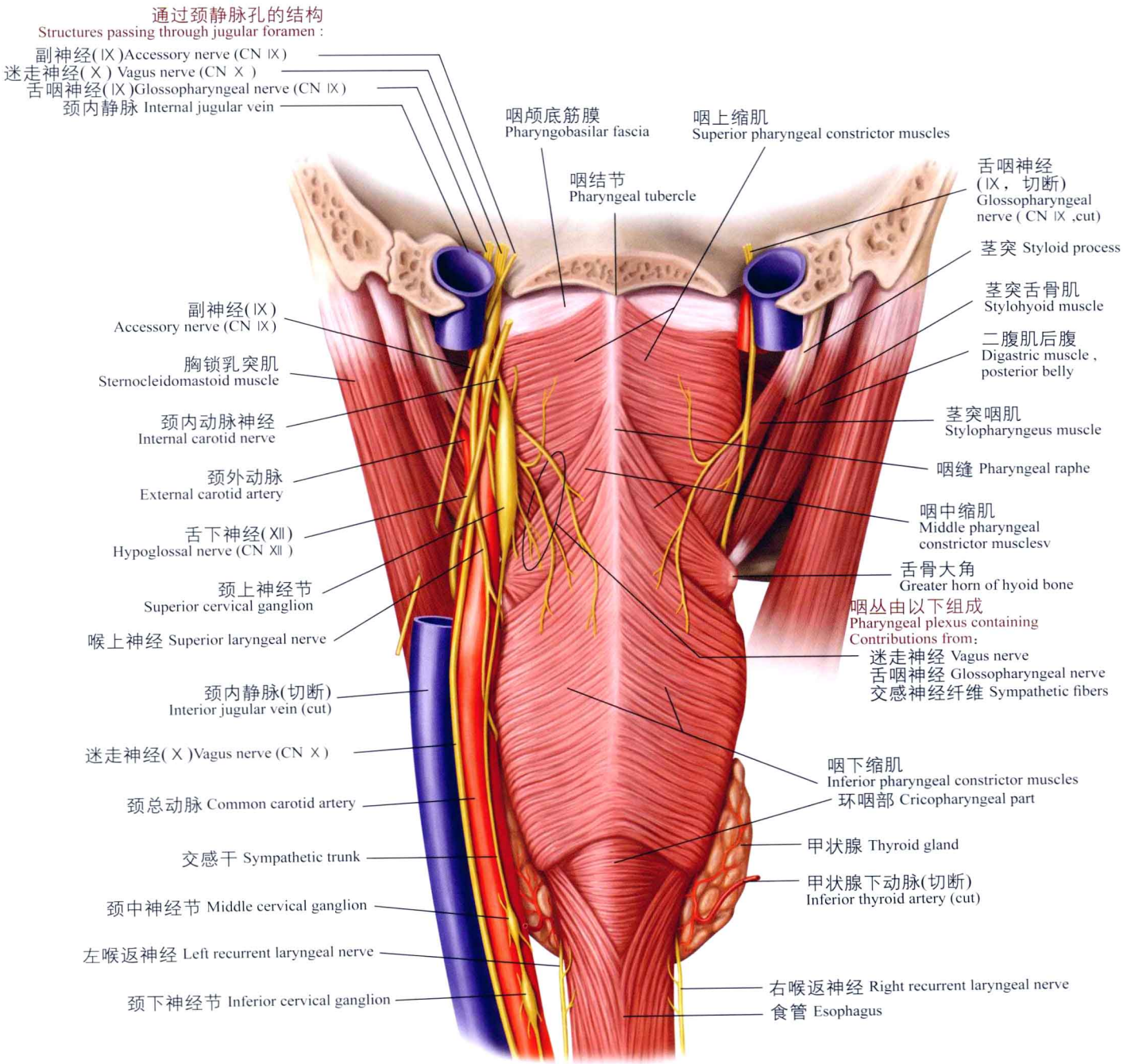


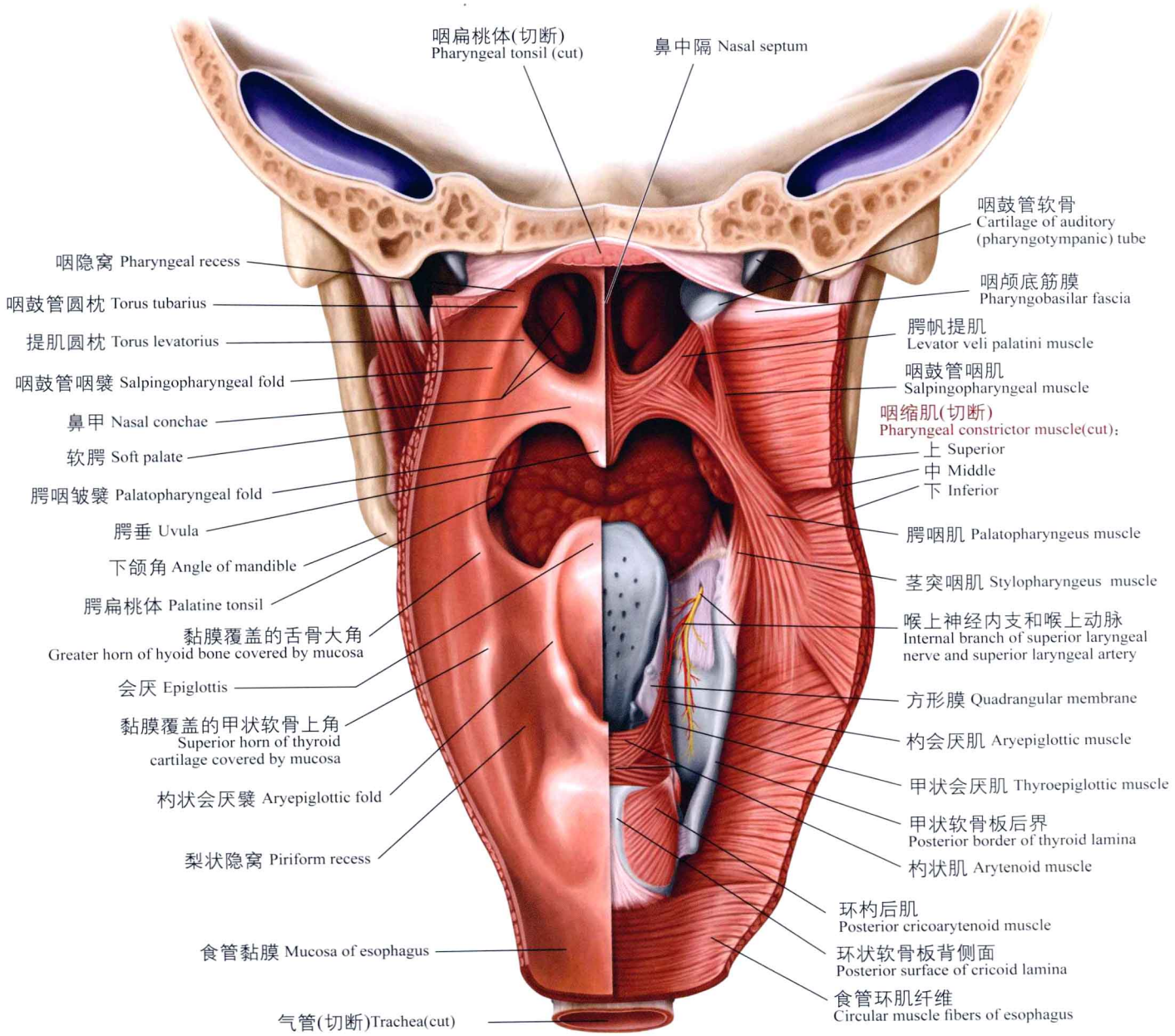

二腹肌后腹
Digastric muscle , posterior belly
茎突舌骨肌 Stylohyoid muscle
二腹肌前腹
Digastric muscle , anterior belly
胸锁乳突肌(切断)
Sternocleidomastoid muscle(cut)
枕动脉 Occipital artery
颈2前支 C2 ventral ramus
枕小神经 (切断)
Lesser occipital nerve (cut)
颈3前支 C3ventral ramus
耳大神经(切断)
Great auricular nerve (cut)
颈横神经(切断)
Transverse cervical nerve (cut)
接受颈3和颈4分支的副神经(11)Accessory nerve (CN 11)receiving contributions from C3 and C4
颈4前支 C4ventral ramus
锁骨上神经(切断)
Supraclavicular nerve (cut)
肩胛背神经 Dorsal scapular nerve
颈5和颈6前支 C5 and C6 ventral rami
颈横动脉 Transverse cervical artery
前斜角肌 Anterior scalene muscle
膈神经 Phrenic nerve
肩胛上动脉
Suprascapular artery
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
舌骨 Hyoid bone
颈襻 Ansa cervicalis:
上根 Superior root
下根 Inferior root
甲状舌骨肌 Thyrohyoid muscle
肩胛舌骨肌上腹
Omohyoid muscle, Superior belly
胸骨舌骨肌 Sternohyoid muscle
胸骨甲状肌 Sternothyroid muscle
颈动脉鞘内的颈内静脉和颈总动脉
Internal jugular vein and common carotid artery within carotid sheath
肩胛舌骨肌下腹
Omohyoid muscle, inferior belly


胸锁乳突肌(切断)
Sternocleidomastoid muscle (cut)
斜方肌
Trapezius muscle
副神经(11)
Accessory nerve (CN 11)
头夹肌
Splenius capitis muscle
肩胛提肌
Levator scapulae muscle
中斜角肌
Middle scalene muscle
肩胛背神经 (切断)
Dorsal scapular nerve (cut)
颈5前支
C5 ventral ramus
膈神经
Phrenic nerve
颈6前支
C6 ventral ramus
颈7前支
C7 ventral ramus
臂丛上干
Superior trunk of brachial plexus
锁骨下动脉(切断)
Subclavian artery (cut)
肩胛舌骨肌下腹
Omohyoid muscle, inferior belly
舌下神经(12)
Hypoglossal nerve(CN 12)
舌骨大角
Hyoid bone ,greater horn
支配甲状舌骨肌的神经
Nerve to thyrohyoid
喉上神经内支和喉上动、静脉
Internal branch of superior laryngeal nerve and superior laryngeal artery and vein
甲状舌骨膜 Thyrohyoid membrane
甲状腺上动脉和喉上神经外支
Superior thyroid artery and external branch of superior laryngeal nerve
甲状软骨 Thyroid cartilage
甲状腺静脉 Thyroid veins:
上静脉 Superior
中静脉 Middle
下静脉 Inferior
甲状腺 Thyroid gland,

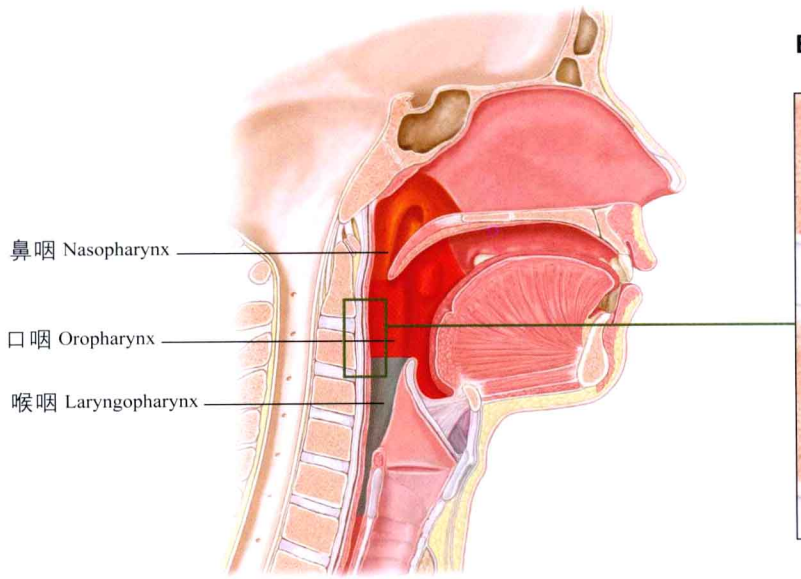

咽上缩肌
Superior pharyngeal constrictor muscle
茎突舌肌 Styloglossus muscle
茎突咽肌 Stylopharyngeus muscle
咽中缩肌
Middle pharyngeal constrictor muscle
颈外动脉 External carotid artery
甲状腺上动脉
Superior thyroid artery
喉上动脉和喉上神经内支
Superior laryngeal artery and internal branch of superior laryngeal nerve
咽下缩肌神经
Inferior pharyngeal constrictor nerve
膈神经 Phrenic nerve
锁骨下动脉(切断)
Subclavian artery (cut)
咽颅底筋膜
Pharyngobasilar fascia
颊肌 Buccinators muscle
翼突下颌缝
Pterygomandibular raphe
舌咽神经(9)
Glossopharyngeal nerve (CN 9)
舌下神经(12)
Hypoglossal nerve (CN 12)
舌骨舌肌 Hyoglossus muscle
舌骨 Hyoid bone
甲状舌骨膜 Thyrohyoid membrane
甲状软骨 Thyroid cartilage
喉上神经外支 External branch of superior laryngeal nerve
环甲肌和环甲正中韧带
Cricothyroid muscle and median cricothyroid ligament
环状软骨 Cricoid cartilage
第一气管环 First tracheal ring
右喉返神经 Right recurrent laryngeal nerve
甲状颈干(切断)Thyrocervical trunk (cut)
颈总动脉(切断)Common carotid artery (cut)


咽上缩肌 Superior pharyngeal constrictor muscle
舌咽神经(9) Glossopharyngeal nerve (CN 9)
颊肌 Buccinator muscle
翼突下颌缝 Pterygomandibular raphe
迷走神经(10)Vagus nerve (CN 10)
茎突舌肌 Styloglossus muscle
茎突舌骨韧带 Stylohyoid ligament
茎突咽肌 Stylopharyngeus muscle
舌骨舌肌 Hyoglossus muscle
下颌舌骨肌 Mylohyoid muscle
二腹肌前腹 Digastric muscle anterior belly
咽中缩肌 Middle pharyngeal constrictor muscle
喉上神经 Superior laryngeal nerve:
内支 Internal branch
外支 External branch
咽下缩肌 Inferior pharyngeal constrictor muscle
环咽部 Cricopharyngeal part
环甲肌 Cricothyroid muscle
右喉返神经 Right recurrent laryngeal nerve
食管 Esophagus

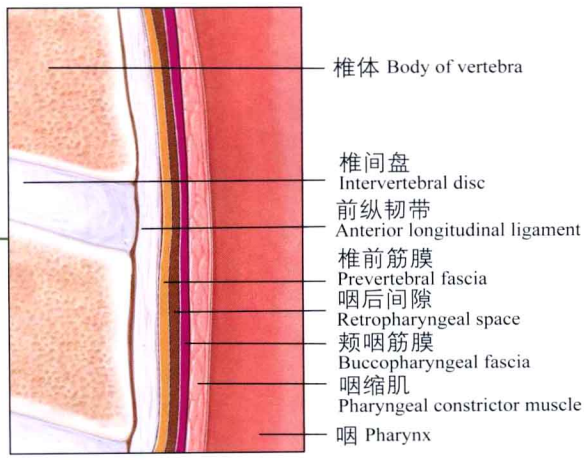

通过颈静脉孔的结构
Structures passing through jugular foramen :
副神经(Ⅺ)Accessory nerve (CN Ⅺ)
迷走神经(Ⅹ) Vagus nerve (CN Ⅹ)
舌咽神经(Ⅸ)Glossopharyngeal nerve (CN Ⅸ)
颈内静脉 Internal jugular vein
咽颅底筋膜
Pharyngobasilar fascia
咽上缩肌
Superior pharyngeal constrictor muscles
咽结节
Pharyngeal tubercle
舌咽神经
(Ⅸ，切断)
Glossopharyngeal
nerve (CN Ⅸ ,cut)
茎突 Styloid process
茎突舌骨肌
Stylohyoid muscle
二腹肌后腹
Digastric muscle ,
posterior belly
副神经(Ⅺ)
Accessory nerve (CN Ⅺ)
胸锁乳突肌
Sternocleidomastoid muscle
颈内动脉神经
Internal carotid nerve
颈外动脉
External carotid artery
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
颈上神经节
Superior cervical ganglion
喉上神经 Superior laryngeal nerve
茎突咽肌
Stylopharyngeus muscle
咽缝 Pharyngeal raphe
咽中缩肌
Middle pharyngeal
constrictor musclesv
舌骨大角
Greater horn of hyoid bone
咽丛由以下组成
Pharyngeal plexus containing
Contributions from:
迷走神经 Vagus nerve
舌咽神经 Glossopharyngeal nerve
交感神经纤维 Sympathetic fibers
颈内静脉(切断)
Interior jugular vein (cut)
迷走神经(Ⅹ)Vagus nerve (CN Ⅹ)
颈总动脉 Common carotid artery
交感干 Sympathetic trunk
颈中神经节 Middle cervical ganglion
左喉返神经 Left recurrent laryngeal nerve
颈下神经节 Inferior cervical ganglion
咽下缩肌
Inferior pharyngeal constrictor muscles
环咽部 Cricopharyngeal part
甲状腺 Thyroid gland
甲状腺下动脉(切断)
Inferior thyroid artery (cut)
右喉返神经 Right recurrent laryngeal nerve
食管 Esophagus


咽扁桃体(切断)
Pharyngeal tonsil (cut)
鼻中隔 Nasal septum
咽鼓管软骨
Cartilage of auditory (pharyngotympanic) tube
咽隐窝 Pharyngeal recess
咽颅底筋膜
Pharyngobasilar fascia
咽鼓管圆枕 Torus tubarius
腭帆提肌
Levator veli palatini muscle
提肌圆枕 Torus levatorius
咽鼓管咽肌
Salpingopharyngeal muscle
咽鼓管咽襞 Salpingopharyngeal fold
咽缩肌(切断)
Pharyngeal constrictor muscle(cut):
鼻甲 Nasal conchae
上 Superior
软腭 Soft palate
中 Middle
腭咽皱襞 Palatopharyngeal fold
下 Inferior
腭垂 Uvula
腭咽肌 Palatopharyngeus muscle
下颌角 Angle of mandible
茎突咽肌 Stylopharyngeus muscle
腭扁桃体 Palatine tonsil
喉上神经内支和喉上动脉
Internal branch of superior laryngeal nerve and superior laryngeal artery
黏膜覆盖的舌骨大角
Greater horn of hyoid bone covered by mucosa
会厌 Epiglottis
方形膜 Quadrangular membrane
黏膜覆盖的甲状软骨上角
Superior horn of thyroid cartilage covered by mucosa
杓会厌肌 Aryepiglottic muscle
甲状会厌肌 Thyroepiglottic muscle
杓状会厌襞 Aryepiglottic fold
甲状软骨板后界
Posterior border of thyroid lamina
梨状隐窝 Piriform recess
杓状肌 Arytenoid muscle
环杓后肌
Posterior cricoarytenoid muscle
食管黏膜 Mucosa of esophagus
环状软骨板背侧面
Posterior surface of cricoid lamina
食管环肌纤维
Circular muscle fibers of esophagus
气管(切断)Trachea(cut)

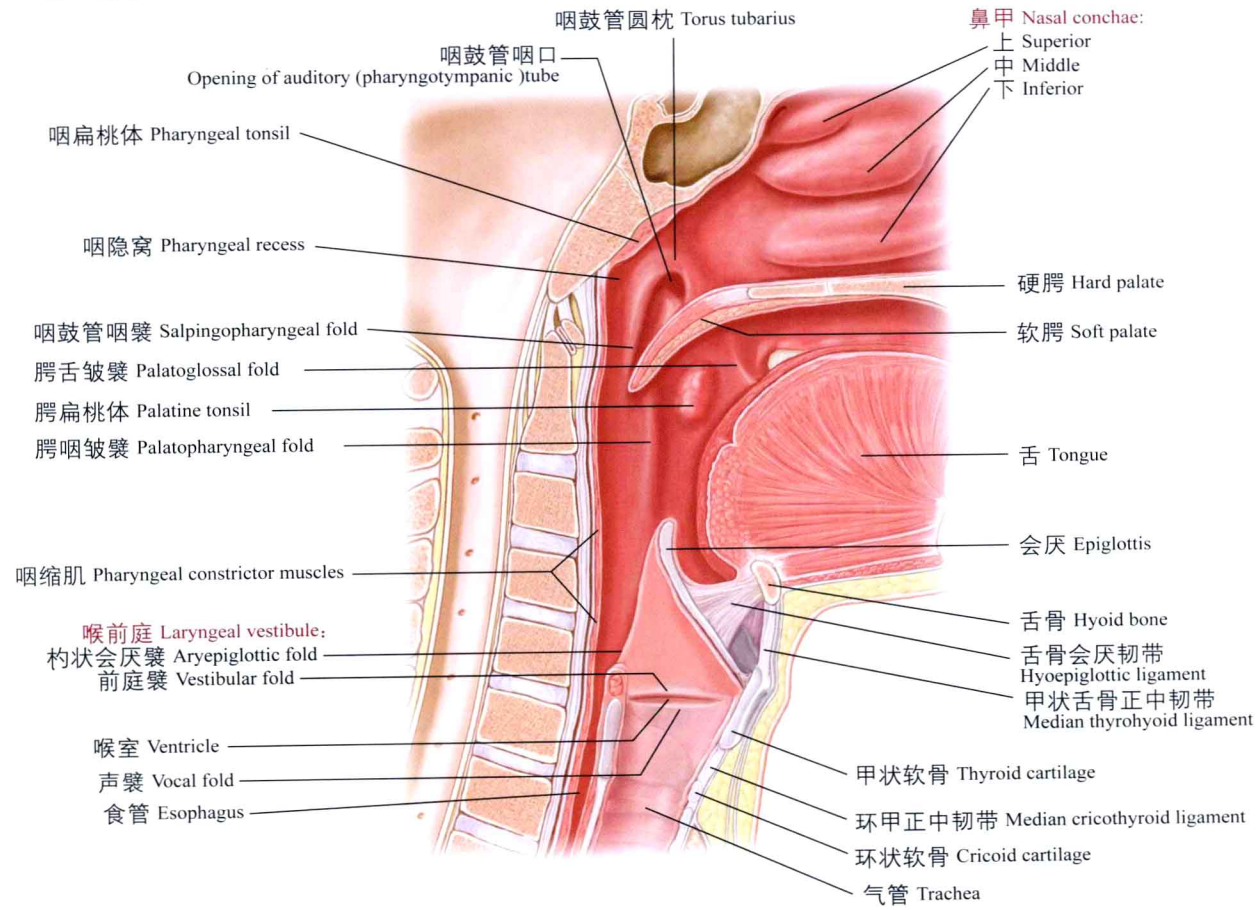
A.分区 Regions

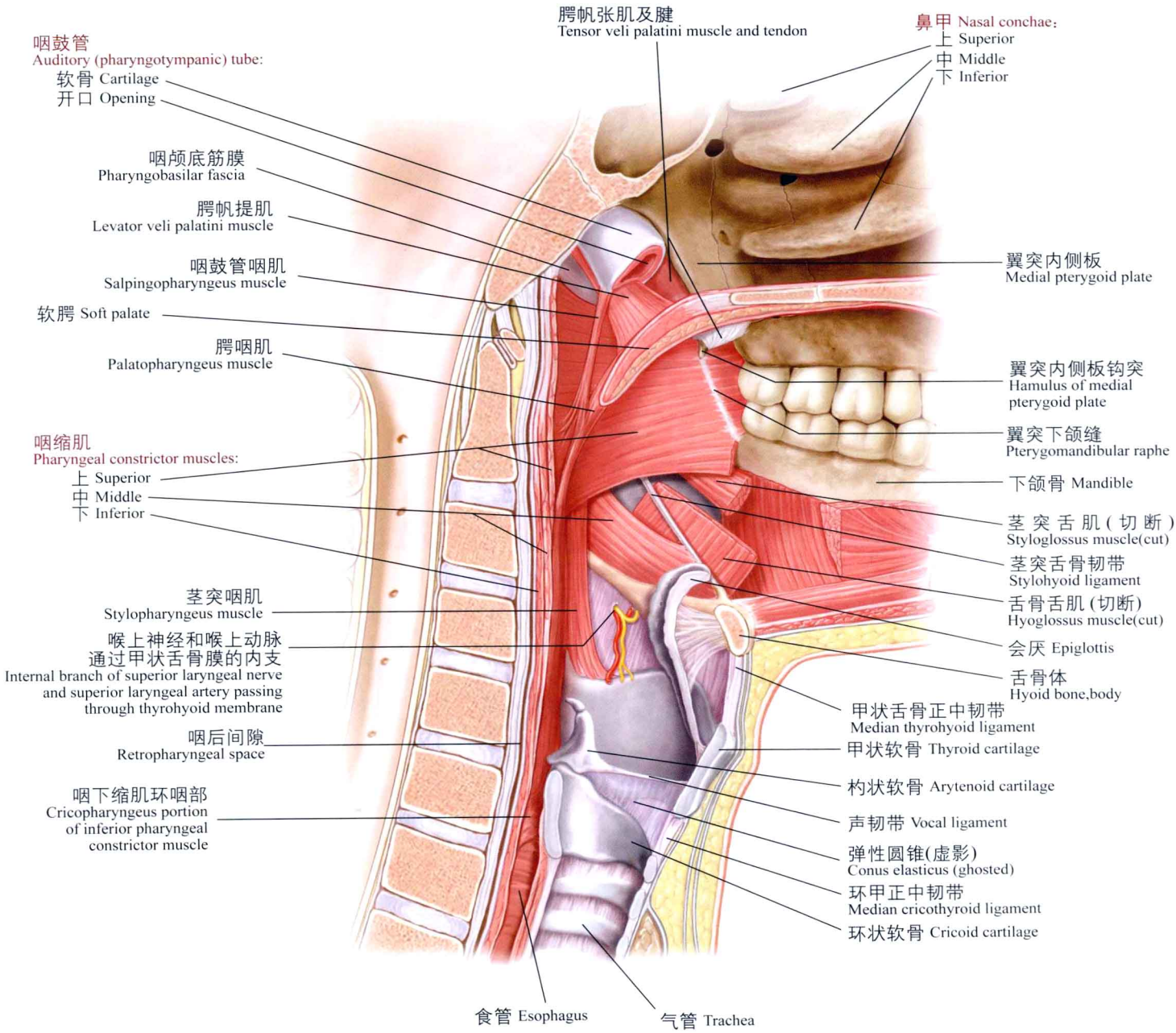


B.咽后间隙放大 Enlargement of retropharyngeal space

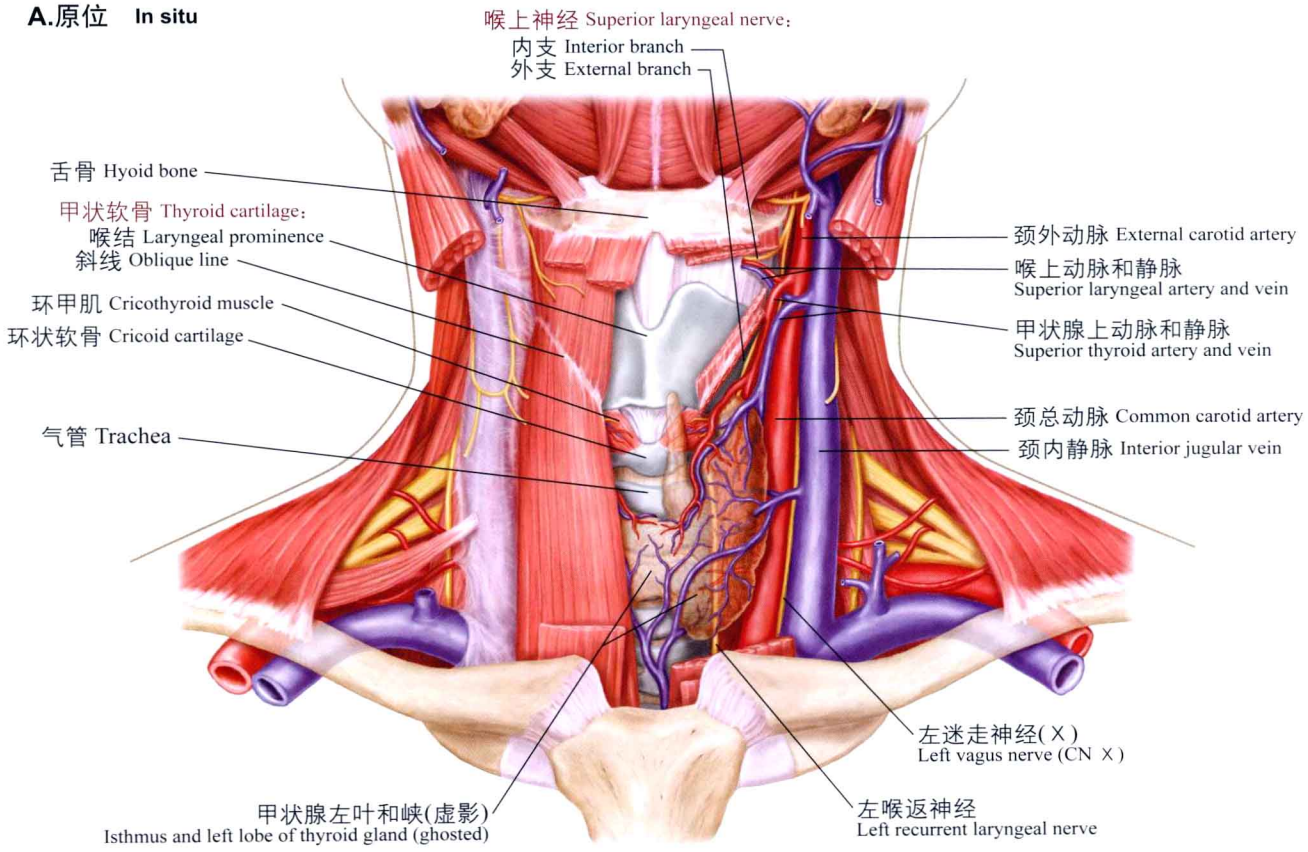


C.黏膜结构 mucosal features

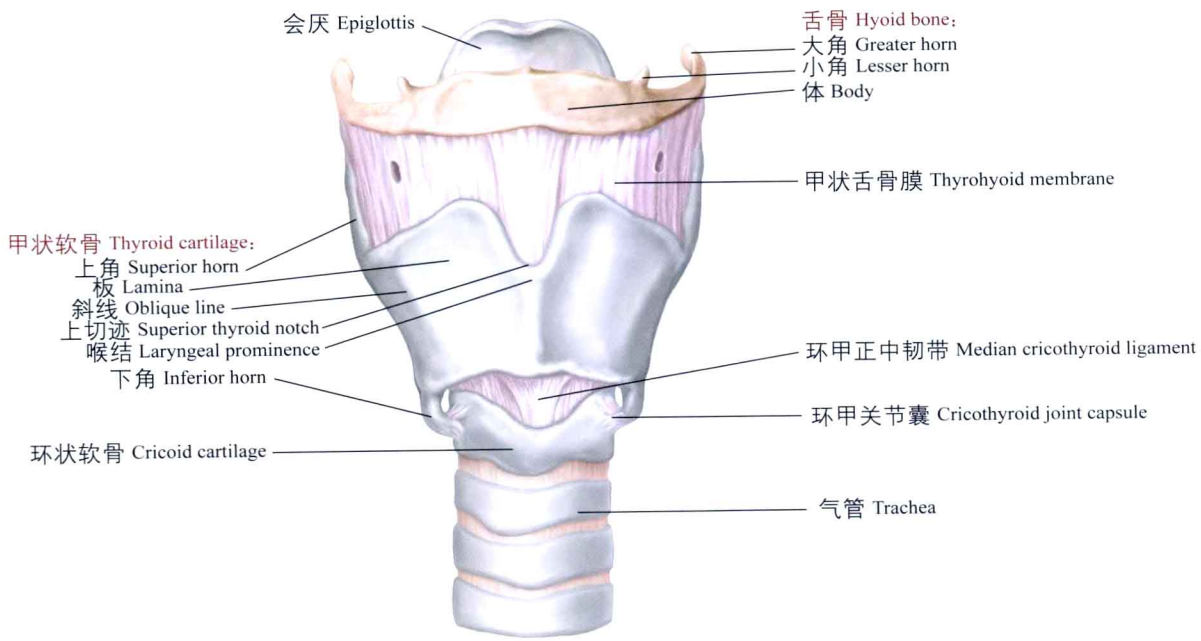



腭帆张肌及腱
Tensor veli palatini muscle and tendon
鼻甲 Nasal conchae:
上 Superior
中 Middle
下 Inferior
咽鼓管
Auditory (pharyngotympanic) tube:
软骨 Cartilage
开口 Opening
咽颅底筋膜
Pharyngobasilar fascia
腭帆提肌
Levator veli palatini muscle
咽鼓管咽肌
Salpingopharyngeus muscle
软腭 Soft palate
腭咽肌
Palatopharyngeus muscle
翼突内侧板
Medial pterygoid plate
翼突内侧板钩突
Hamulus of medial pterygoid plate
翼突下颌缝
Pterygomandibular raphe
下颌骨 Mandible
咽缩肌
Pharyngeal constrictor muscles:
上 Superior
中 Middle
下 Inferior
茎突咽肌
Stylopharyngeus muscle
喉上神经和喉上动脉通过甲状舌骨膜的内支
Internal branch of superior laryngeal nerve and superior laryngeal artery passing through thyrohyoid membrane
咽后间隙
Retropharyngeal space
咽下缩肌环咽部
Cricopharyngeus portion of inferior pharyngeal constrictor muscle
茎突舌肌(切断)
Styloglossus muscle(cut)
茎突舌骨韧带
Stylohyoid ligament
舌骨舌肌(切断)
Hyoglossus muscle(cut)
会厌 Epiglottis
舌骨体
Hyoid bone,body
甲状舌骨正中韧带
Median thyrohyoid ligament
甲状软骨 Thyroid cartilage
杓状软骨 Arytenoid cartilage
声韧带 Vocal ligament
弹性圆锥(虚影)
Conus elasticus (ghosted)
环甲正中韧带
Median cricothyroid ligament
环状软骨 Cricoid cartilage
食管 Esophagus
气管 Trachea

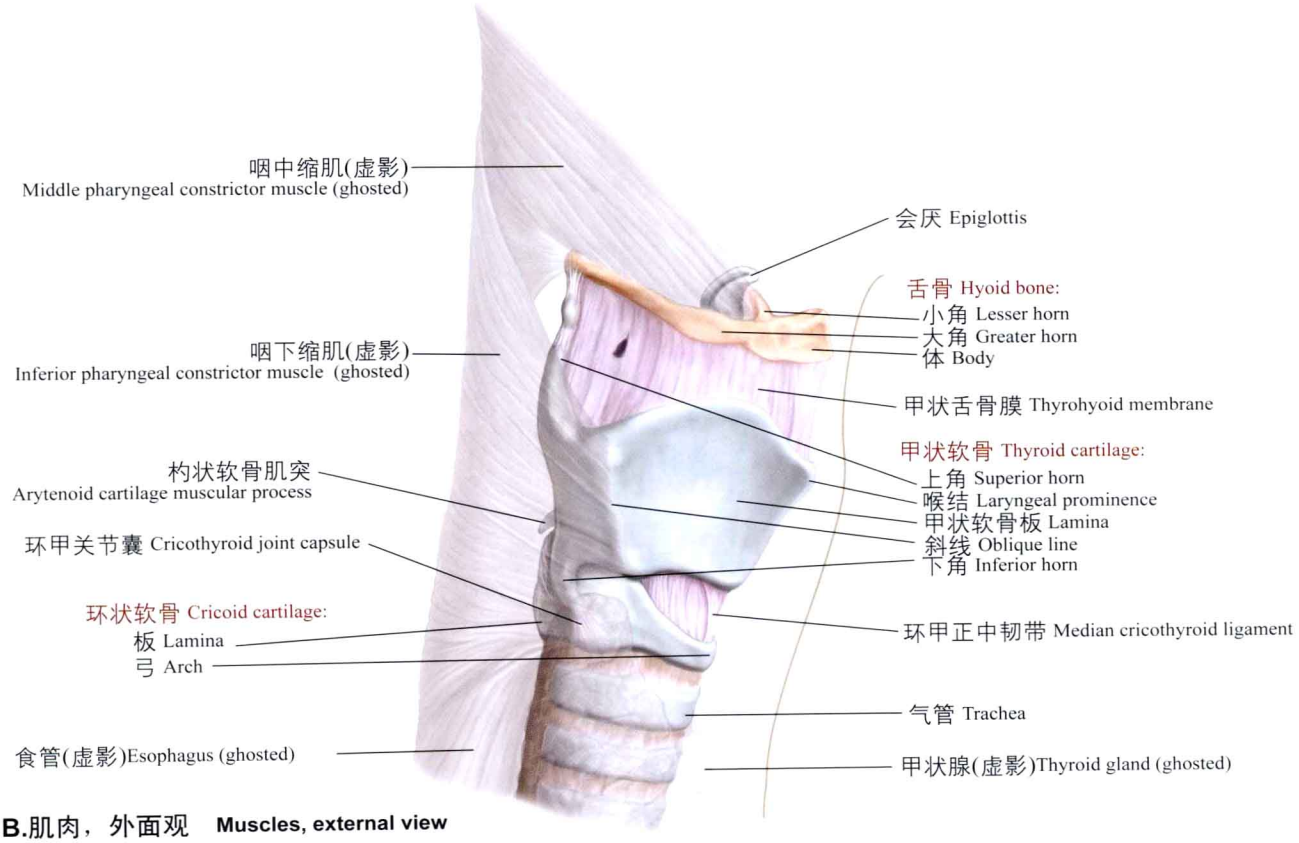
A.原位 In situ



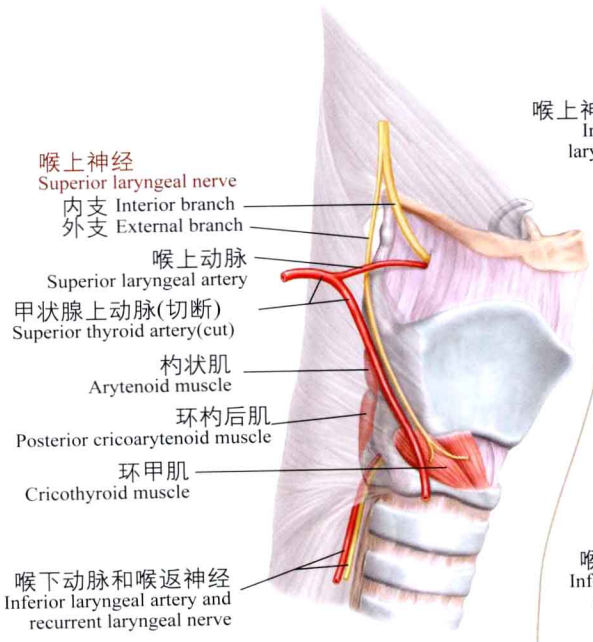
B.软骨 cartilages



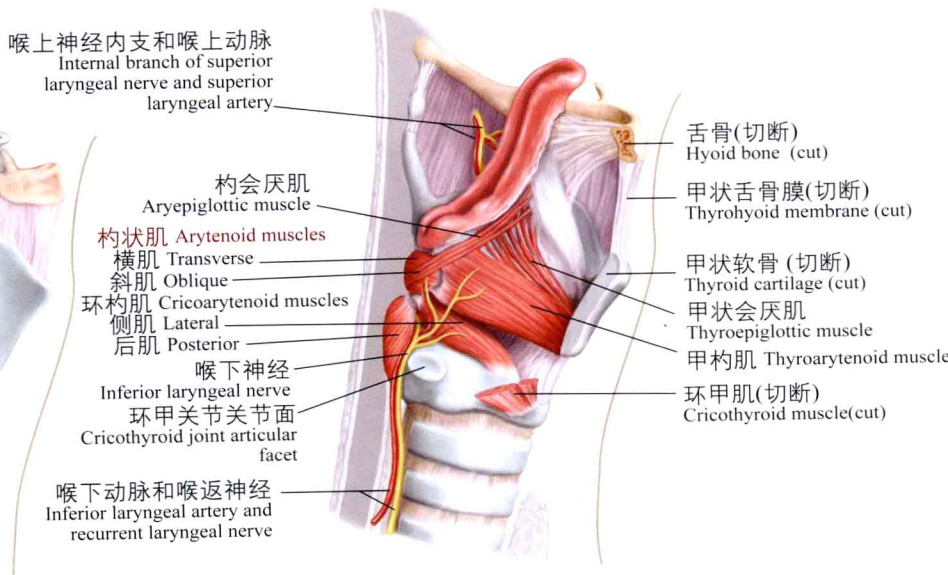
A.软骨 Cartilages



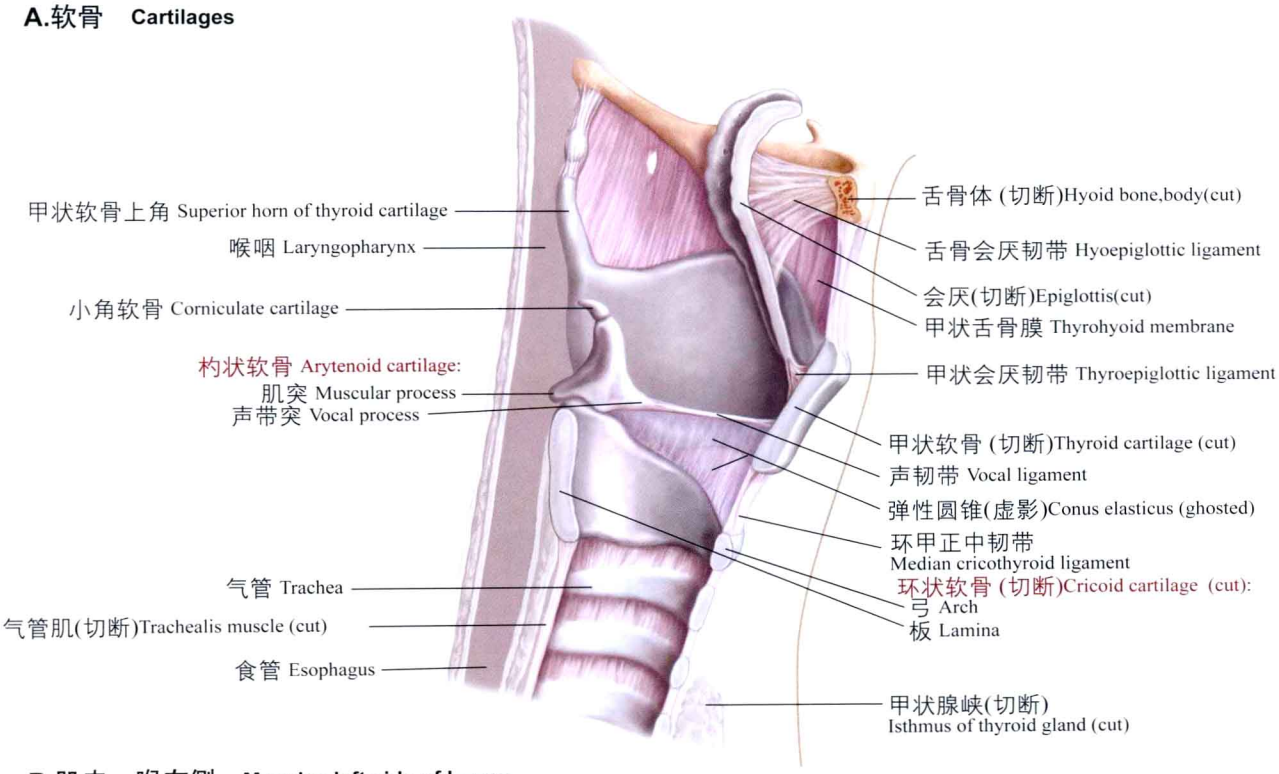
B.肌肉，外面观 Muscles, external view



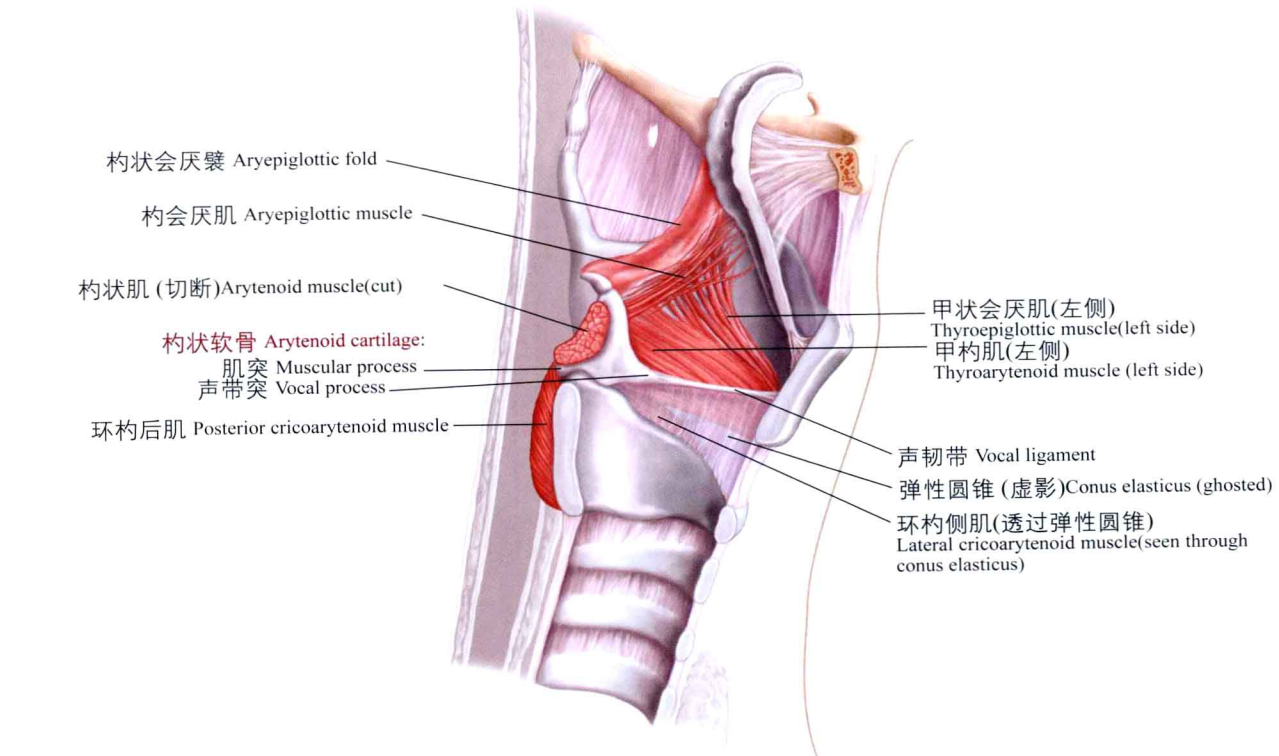
C.肌肉，去除甲状软骨板 Muscle ,thyroid lamina removed



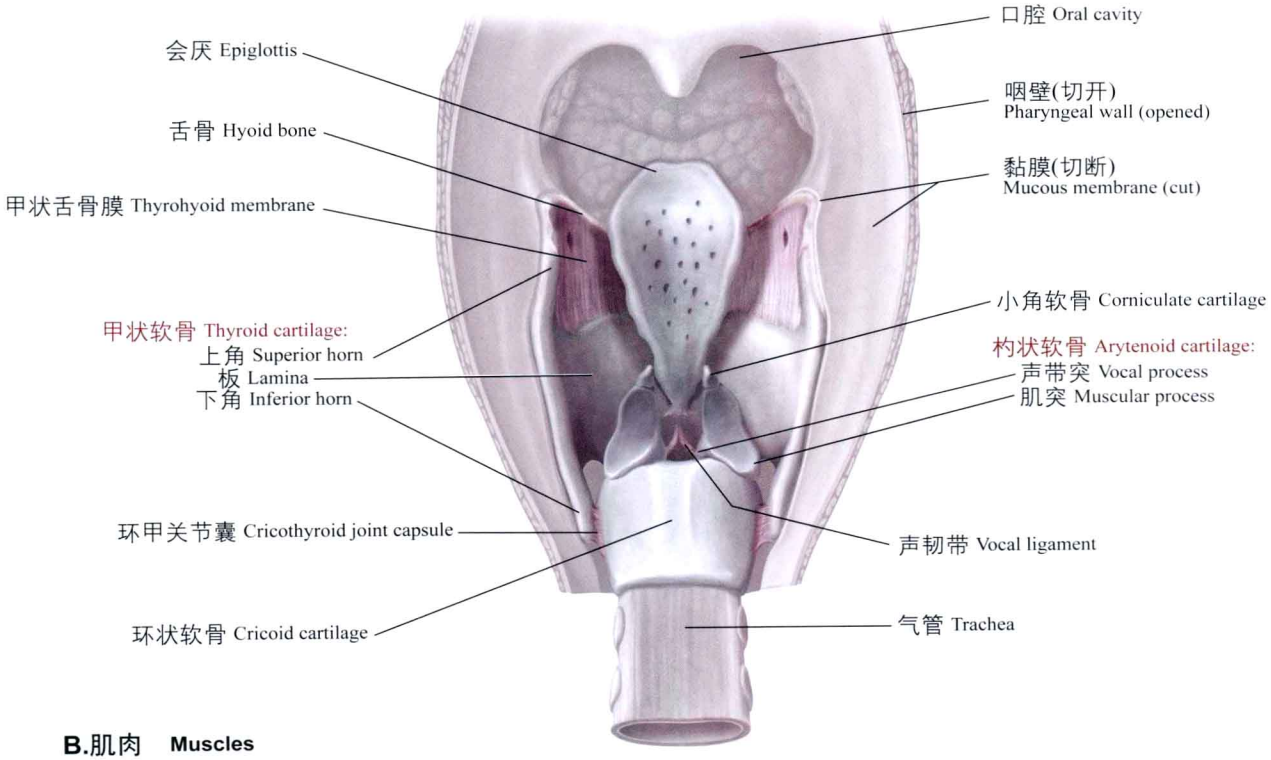
A.软骨 Cartilages



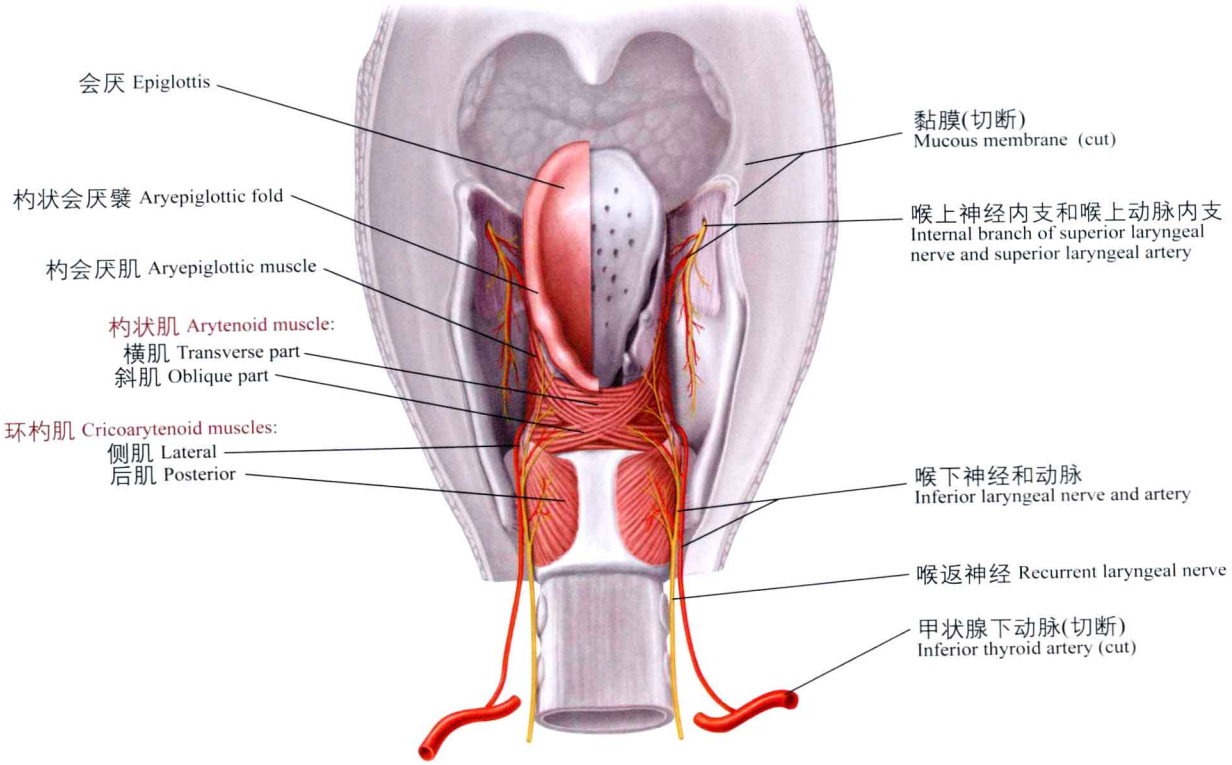
B.肌肉，喉左侧 Muscles,left side of larynx

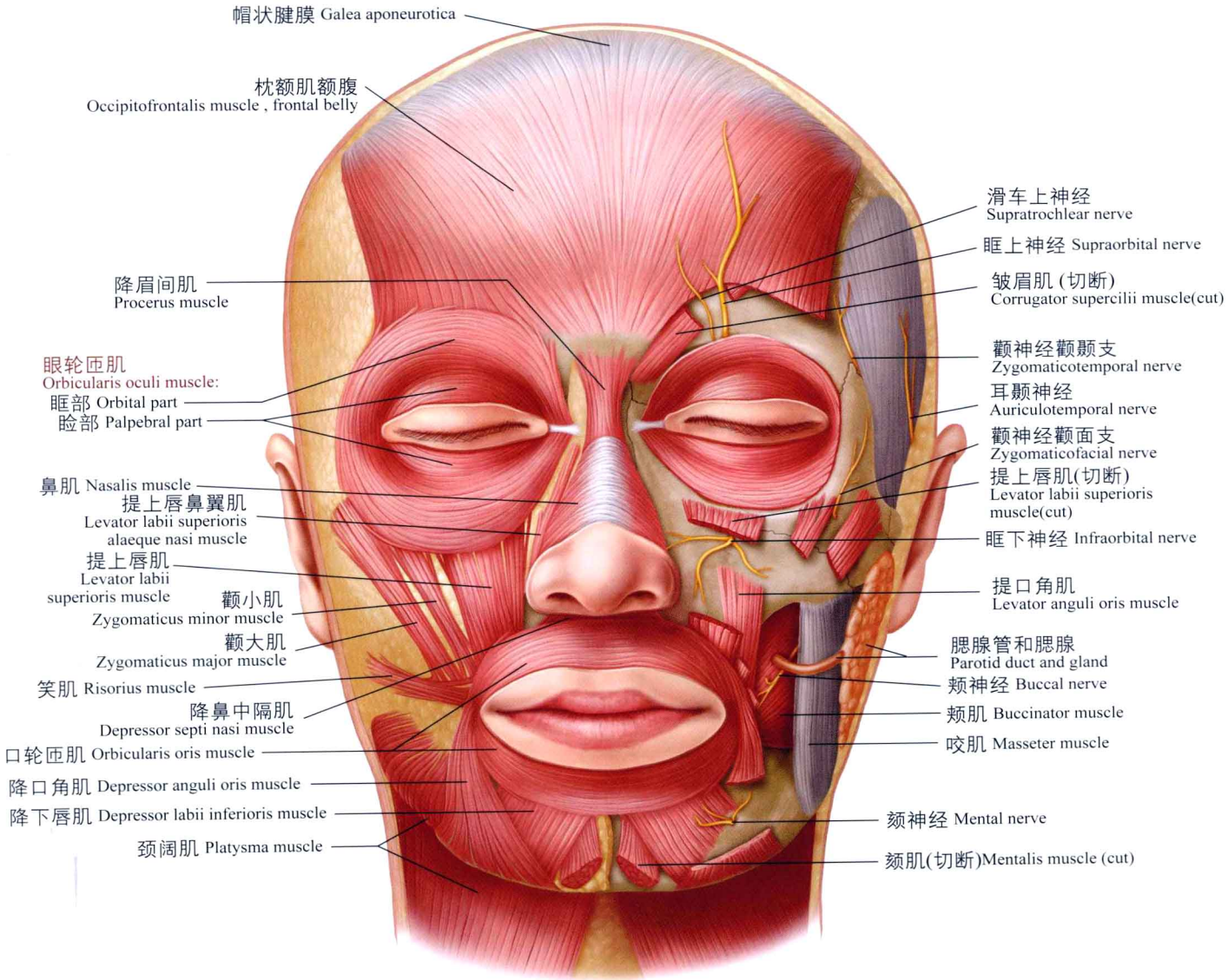


A.软骨 Cartilages

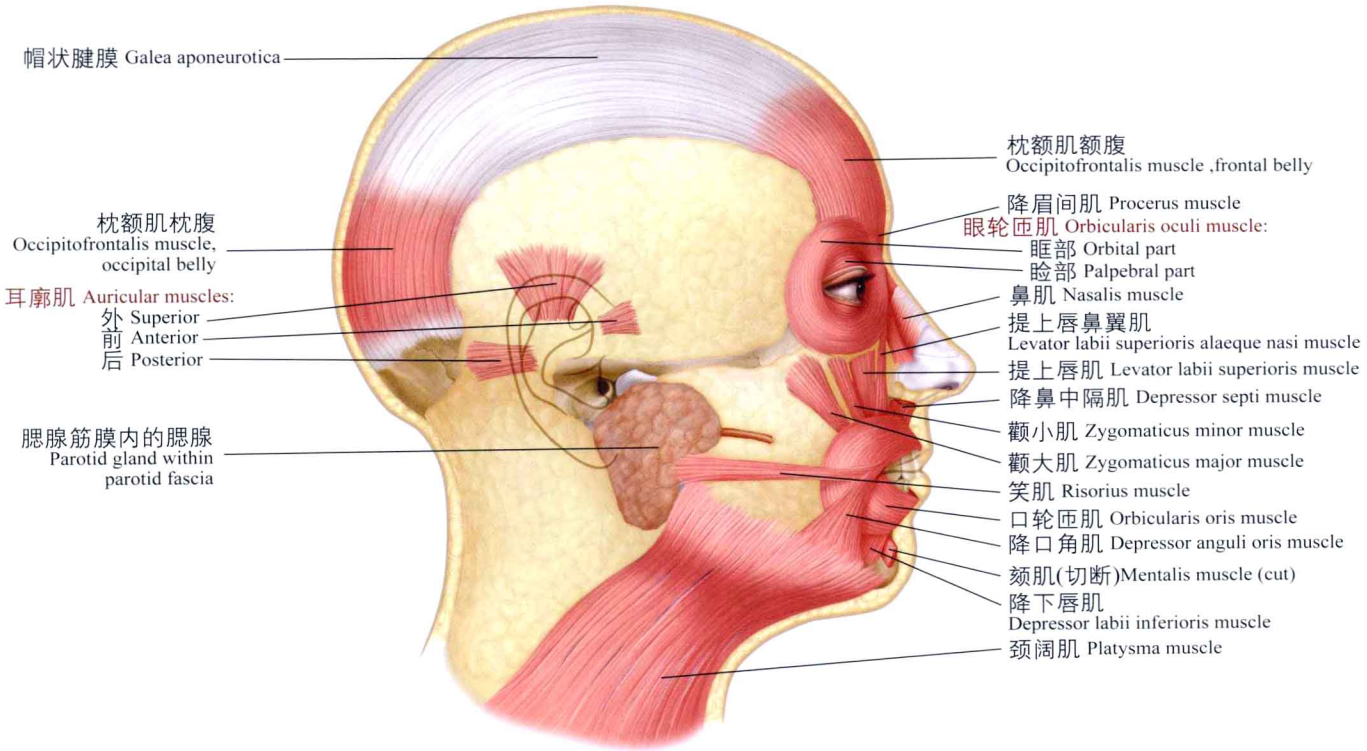


B.肌肉 Muscles

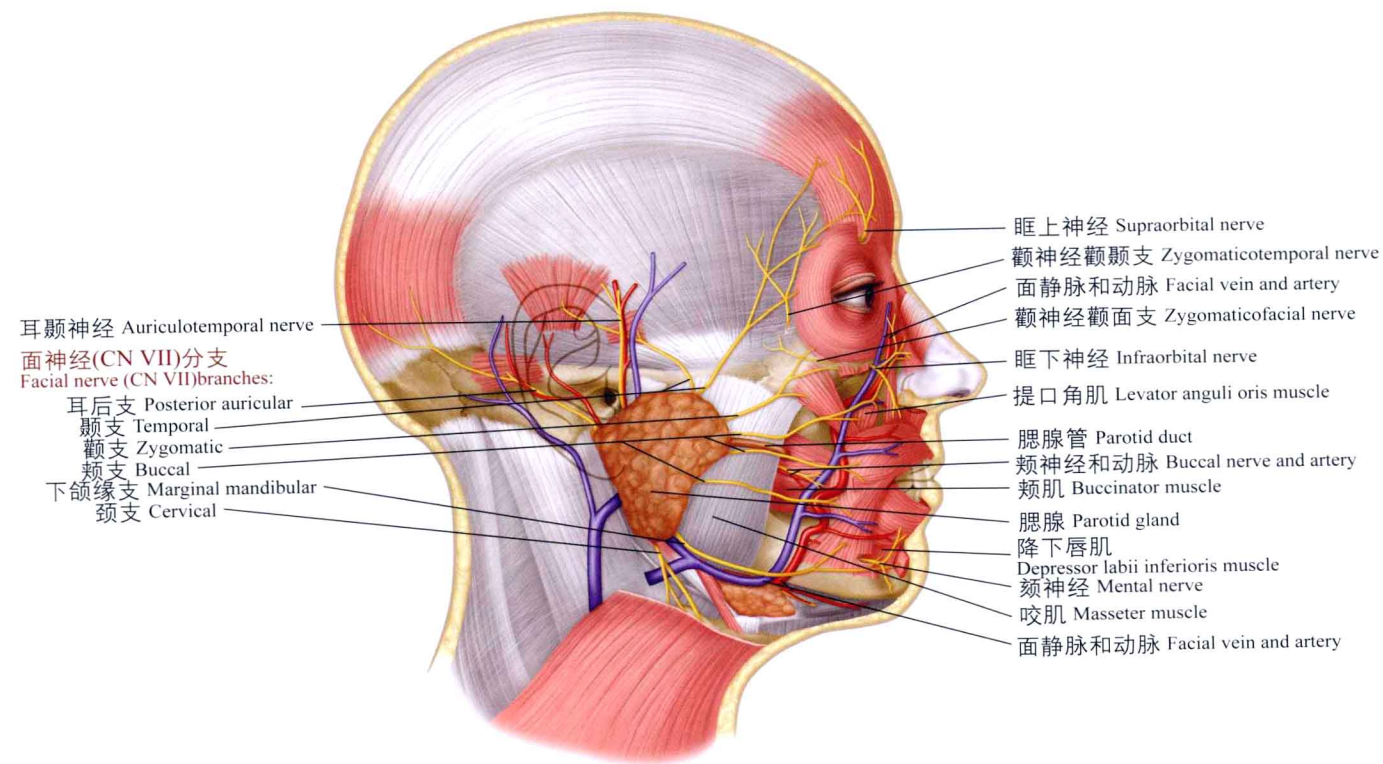



帽状腱膜 Galea aponeurotica
枕额肌额腹
Occipitofrontalis muscle , frontal belly
降眉间肌
Procerus muscle
眼轮匝肌
Orbicularis oculi muscle:
眶部 Orbital part
睑部 Palpebral part
鼻肌 Nasalis muscle
提上唇鼻翼肌
Levator labii superioris alaeque nasi muscle
提上唇肌
Levator labii superioris muscle
颧小肌
Zygomaticus minor muscle
颧大肌
Zygomaticus major muscle
笑肌 Risorius muscle
降鼻中隔肌
Depressor septi nasi muscle
口轮匝肌 Orbicularis oris muscle
降口角肌 Depressor anguli oris muscle
降下唇肌 Depressor labii inferioris muscle
颈阔肌 Platysma muscle
滑车上神经
Supratrochlear nerve
眶上神经 Supraorbital nerve
皱眉肌（切断）
Corrugator supercilii muscle(cut)
颧神经颧颞支
Zygomaticotemporal nerve
耳颞神经
Auriculotemporal nerve
颧神经颧面支
Zygomaticofacial nerve
提上唇肌(切断)
Levator labii superioris muscle(cut)
眶下神经 Infraorbital nerve
提口角肌
Levator anguli oris muscle
腮腺管和腮腺
Parotid duct and gland
颊神经 Buccal nerve
颊肌 Buccinator muscle
咬肌 Masseter muscle
颏神经 Mental nerve
颏肌(切断)Mentalis muscle (cut)

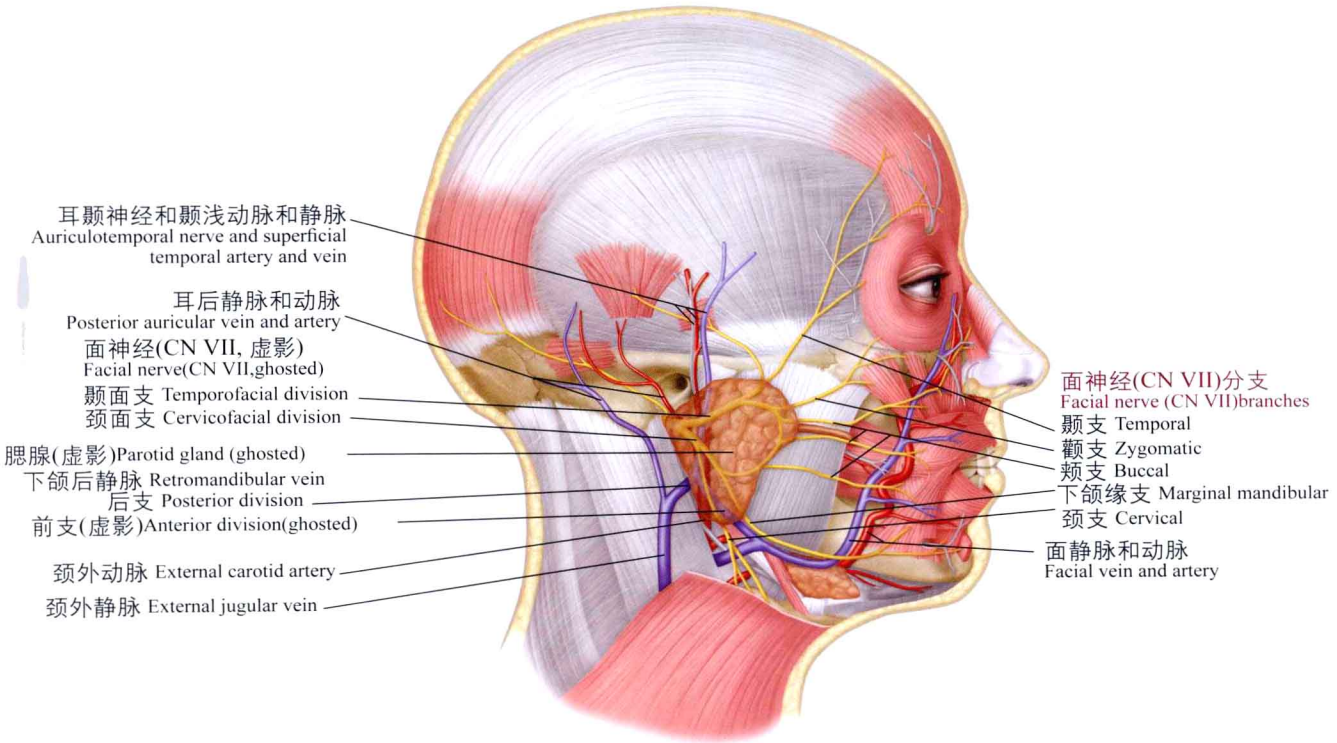
A.浅层解剖 Superficial dissection



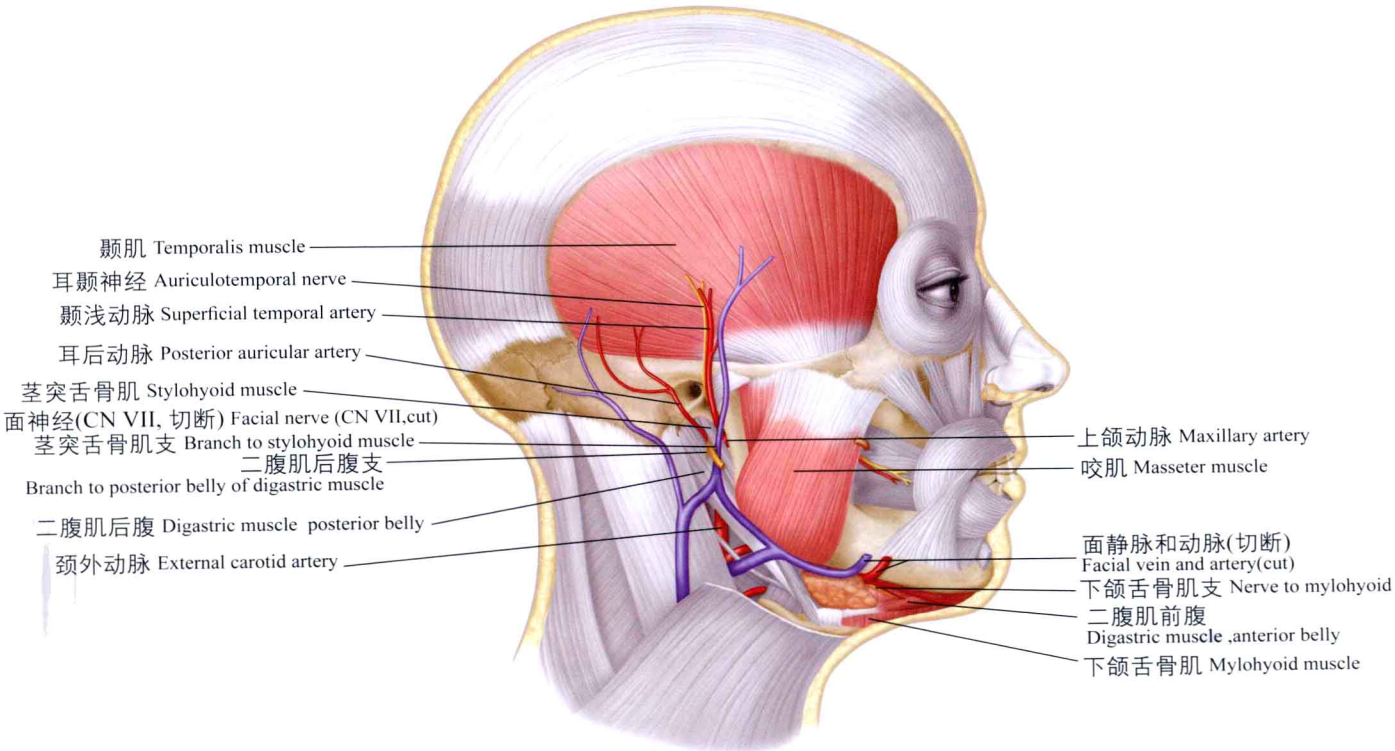
B.深层解剖 Deep dissection



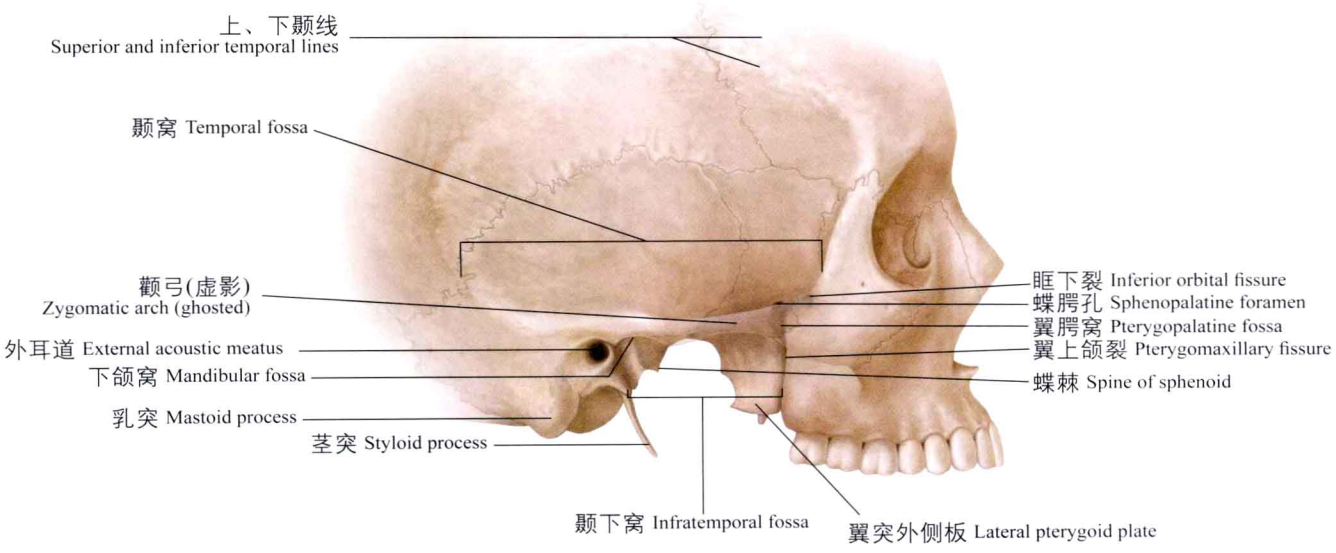
A.腮腺和面神经 Parotid gland and facial nerve



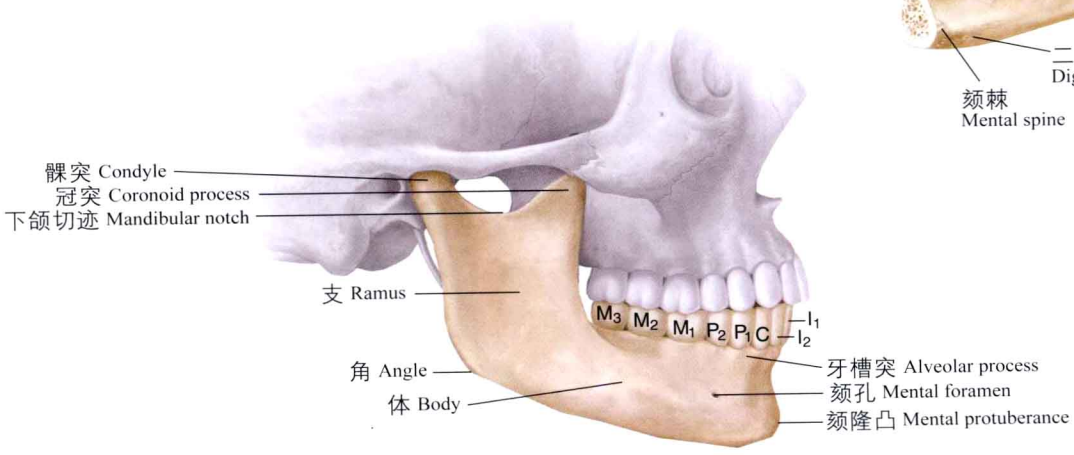
B.三叉神经(V，切断)支配的肌肉的浅层解剖
Muscles innervated by trigeminal nerve (CN V,cut) superficial dissection



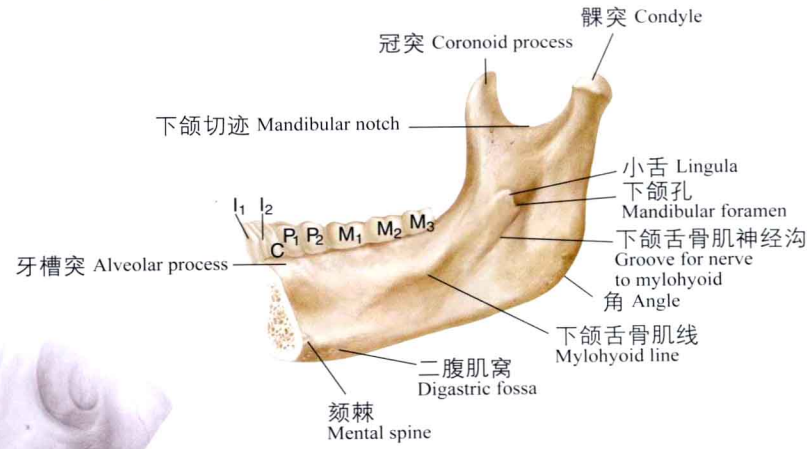
A.颞区和颞下窝 Temporal and infratemporal fossae



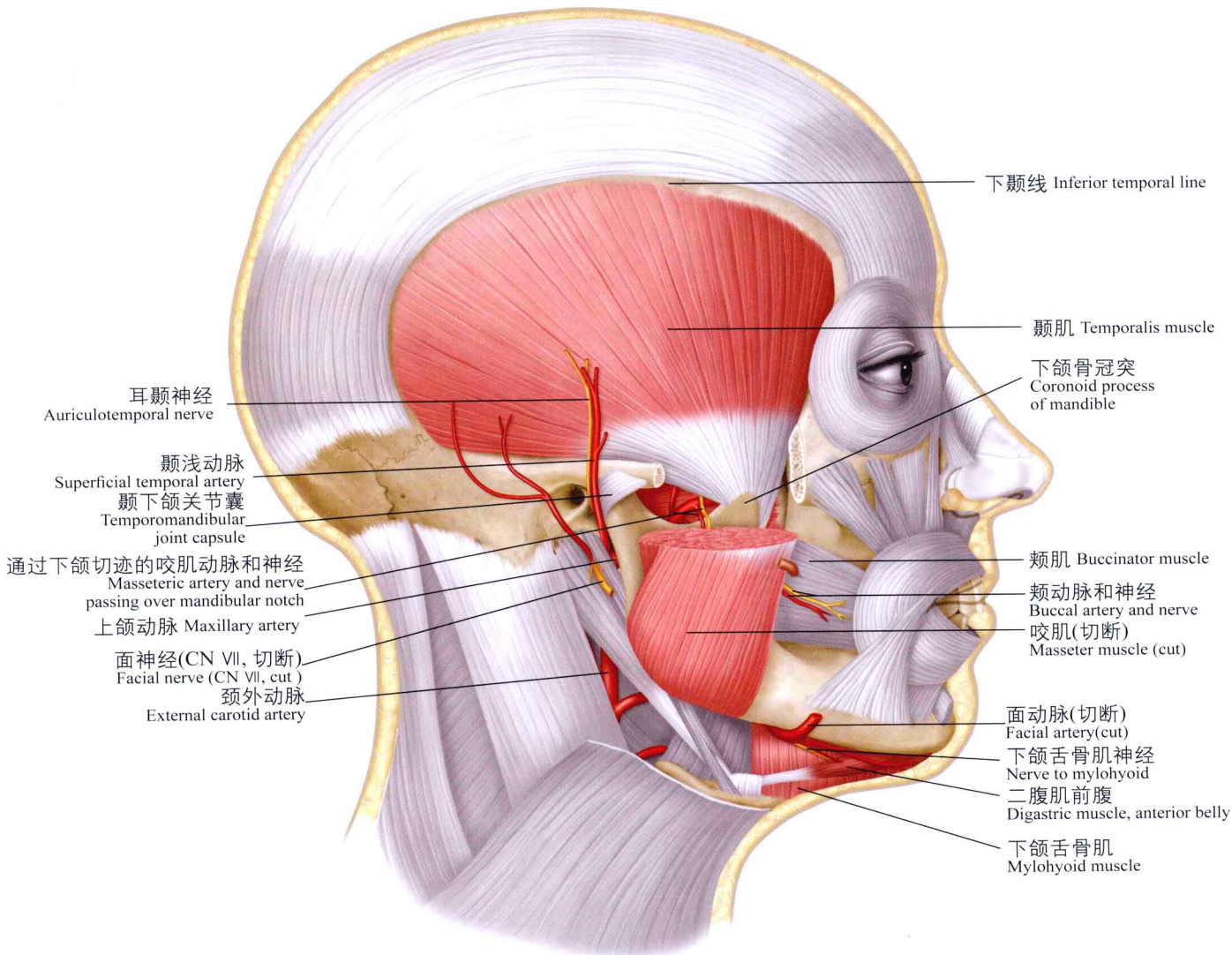
B.下颌骨，侧面观 Mandible ,lateral view

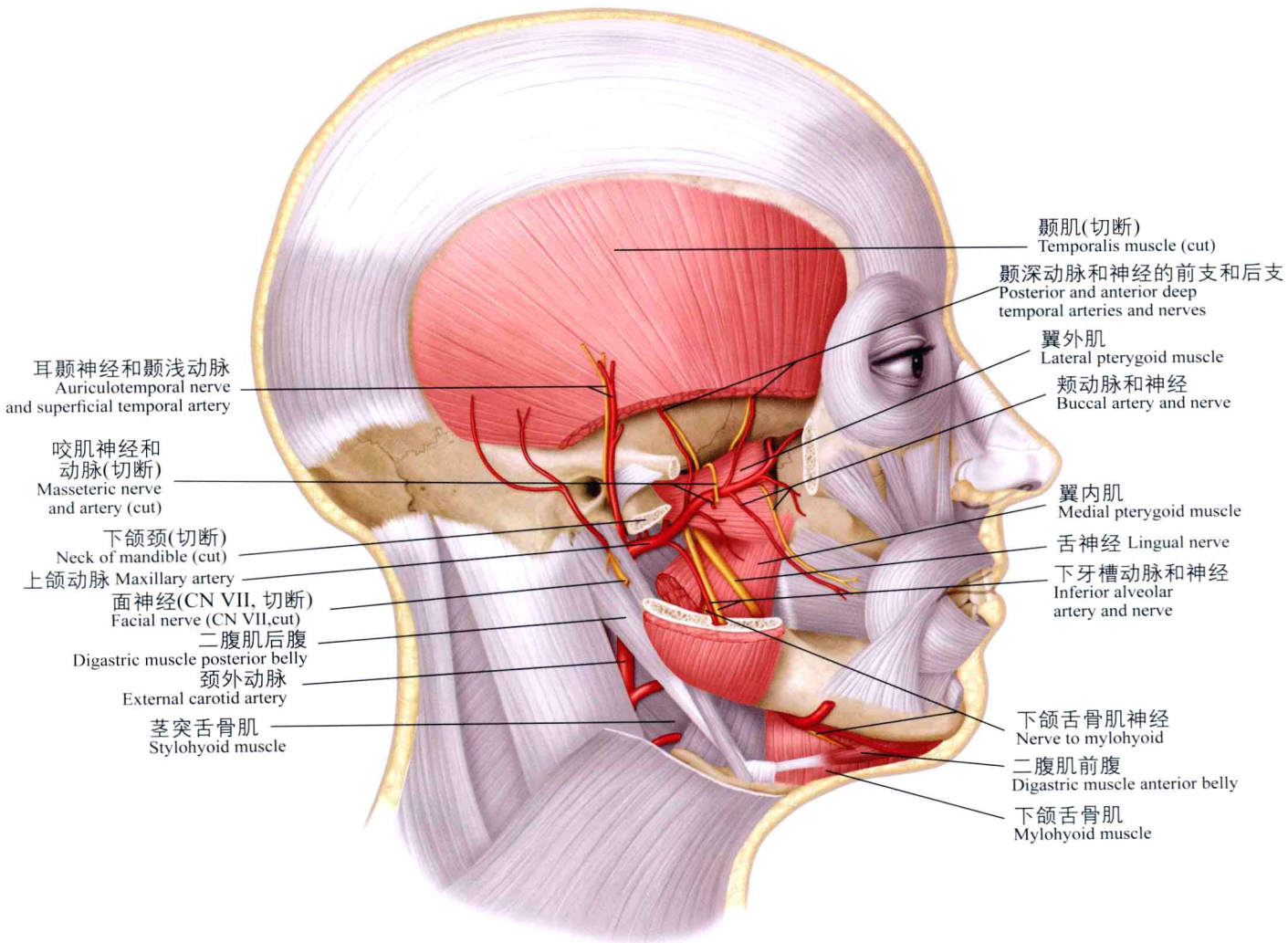


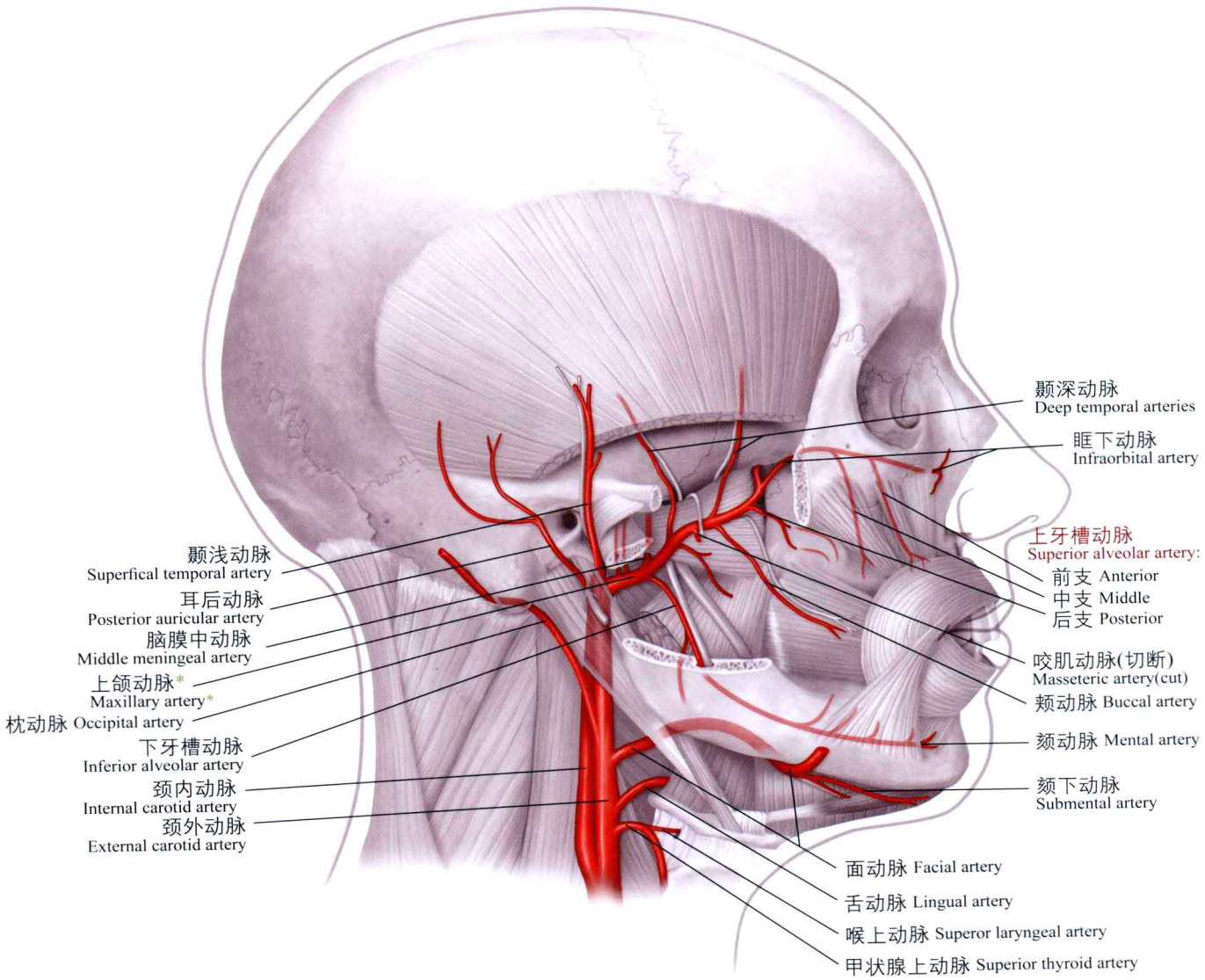
C.下颌骨，内面观 Mandible, medial view



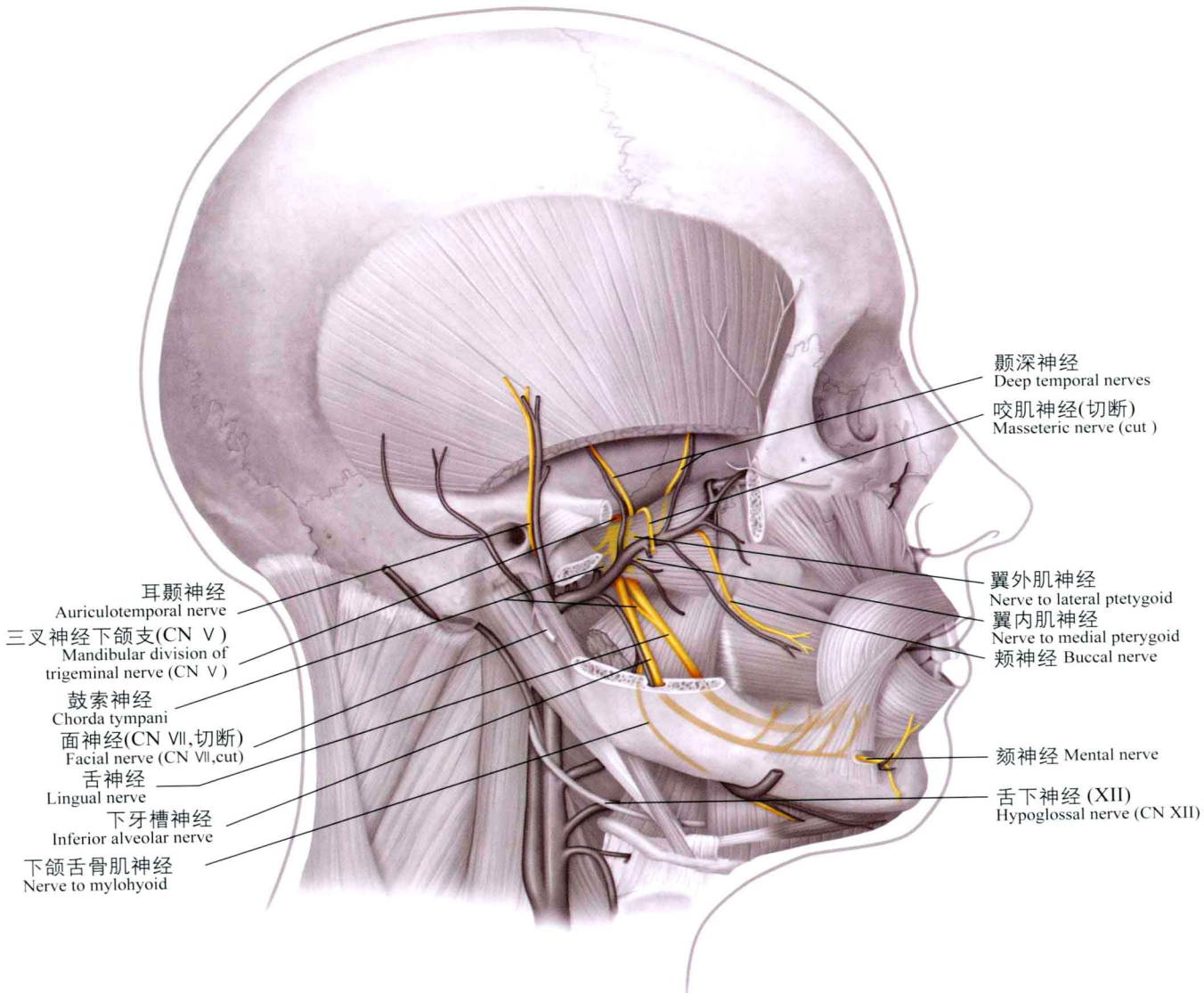
牙的标记 Key to teeth
I=切牙 I=incisor
C=尖牙 C=canine
P=前磨牙 P=premolar
M=磨牙 M=molar


下颞线 Inferior temporal line
颞肌 Temporalis muscle
下颌骨冠突
Coronoid process
of mandible
耳颞神经
Auriculotemporal nerve
颞浅动脉
Superficial temporal artery
颞下颌关节囊
Temporomandibular
joint capsule
通过下颌切迹的咬肌动脉和神经
Masseteric artery and nerve
passing over mandibular notch
上颌动脉 Maxillary artery
面神经(CN Ⅶ, 切断)
Facial nerve (CN Ⅶ, cut)
颈外动脉
External carotid artery
颊肌 Buccinator muscle
颊动脉和神经
Buccal artery and nerve
咬肌(切断)
Masseter muscle (cut)
面动脉(切断)
Facial artery(cut)
下颌舌骨肌神经
Nerve to mylohyoid
二腹肌前腹
Digastric muscle, anterior belly
下颌舌骨肌
Mylohyoid muscle

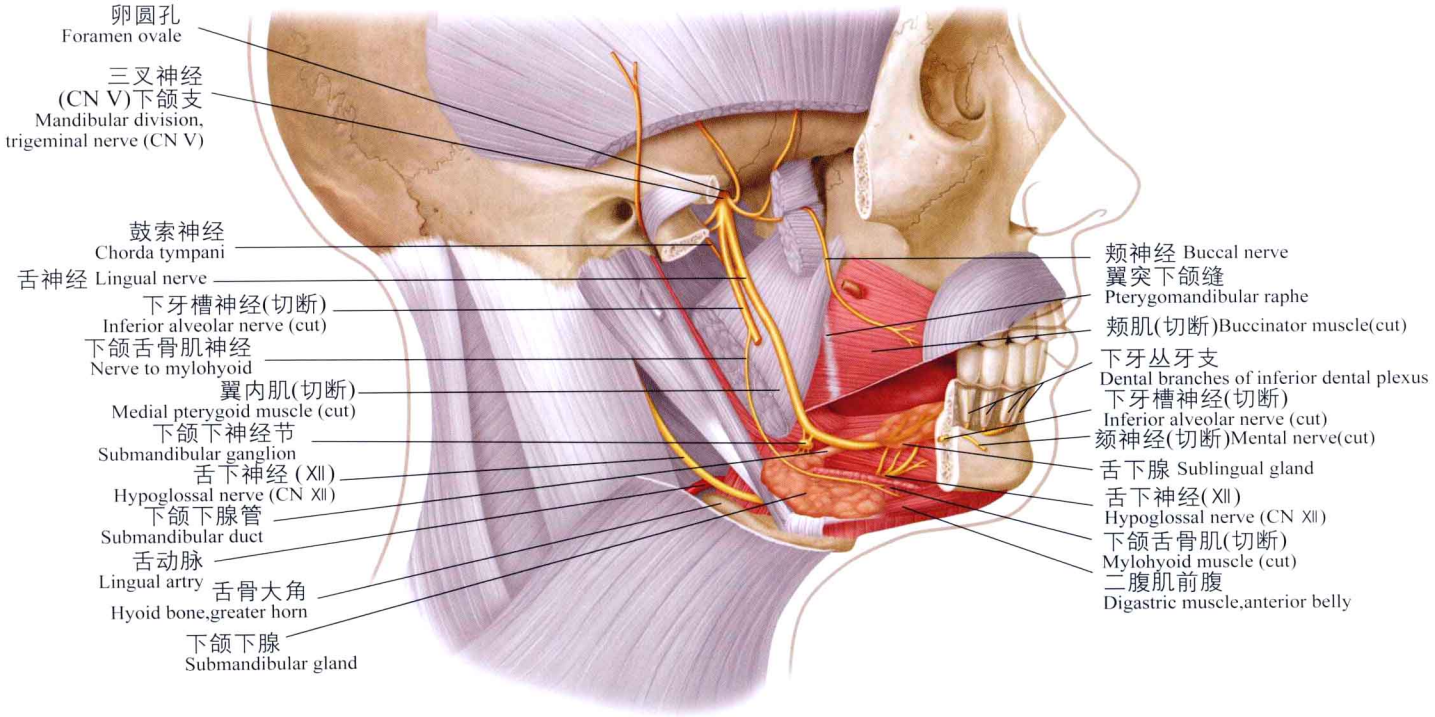

颞肌(切断)
Temporalis muscle (cut)
颞深动脉和神经的前支和后支
Posterior and anterior deep temporal arteries and nerves
翼外肌
Lateral pterygoid muscle
颊动脉和神经
Buccal artery and nerve
翼内肌
Medial pterygoid muscle
舌神经 Lingual nerve
下牙槽动脉和神经
Inferior alveolar artery and nerve
下颌舌骨肌神经
Nerve to mylohyoid
二腹肌前腹
Digastric muscle anterior belly
下颌舌骨肌
Mylohyoid muscle
耳颞神经和颞浅动脉
Auriculotemporal nerve and superficial temporal artery
咬肌神经和动脉(切断)
Masseteric nerve and artery (cut)
下颌颈(切断)
Neck of mandible (cut)
上颌动脉 Maxillary artery
面神经(CN VII, 切断)
Facial nerve (CN VII,cut)
二腹肌后腹
Digastric muscle posterior belly
颈外动脉
External carotid artery
茎突舌骨肌
Stylohyoid muscle



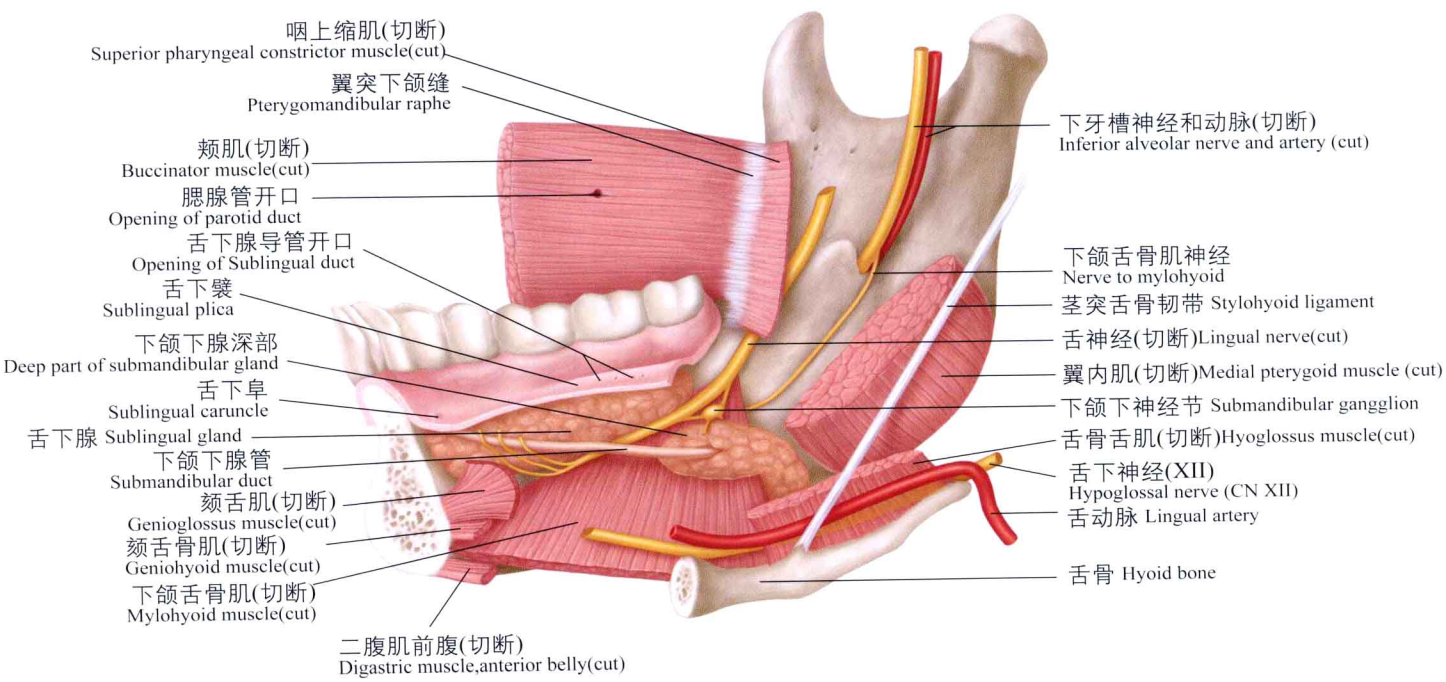
*上颌动脉可以从内侧(42%)或外侧跨过翼外肌
The maxillary artery may pass medial (42%) or lateral to lateral pterygoid muscle


颞深神经
Deep temporal nerves
咬肌神经(切断)
Masseteric nerve (cut)
翼外肌神经
Nerve to lateral ptetygoid
翼内肌神经
Nerve to medial pterygoid
颊神经 Buccal nerve
颏神经 Mental nerve
舌下神经 (XII)
Hypoglossal nerve (CN XII)
耳颞神经
Auriculotemporal nerve
三叉神经下颌支(CN Ⅴ)
Mandibular division of trigeminal nerve (CN Ⅴ)
鼓索神经
Chorda tympani
面神经(CN Ⅶ,切断)
Facial nerve (CN Ⅶ,cut)
舌神经
Lingual nerve
下牙槽神经
Inferior alveolar nerve
下颌舌骨肌神经
Nerve to mylohyoid

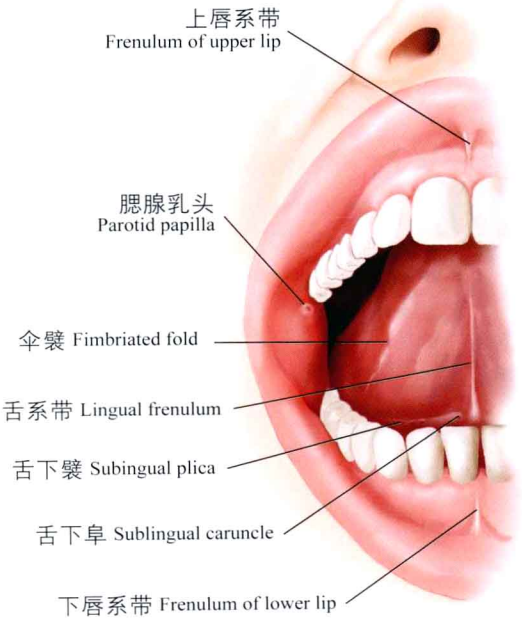
A.外侧观 Lateral View



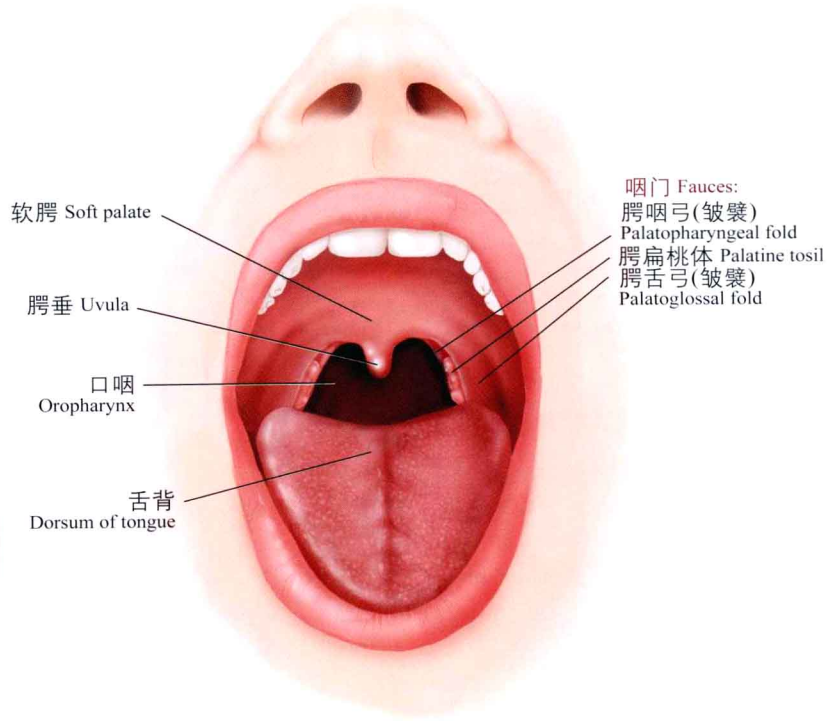
B.内侧观 Medial view



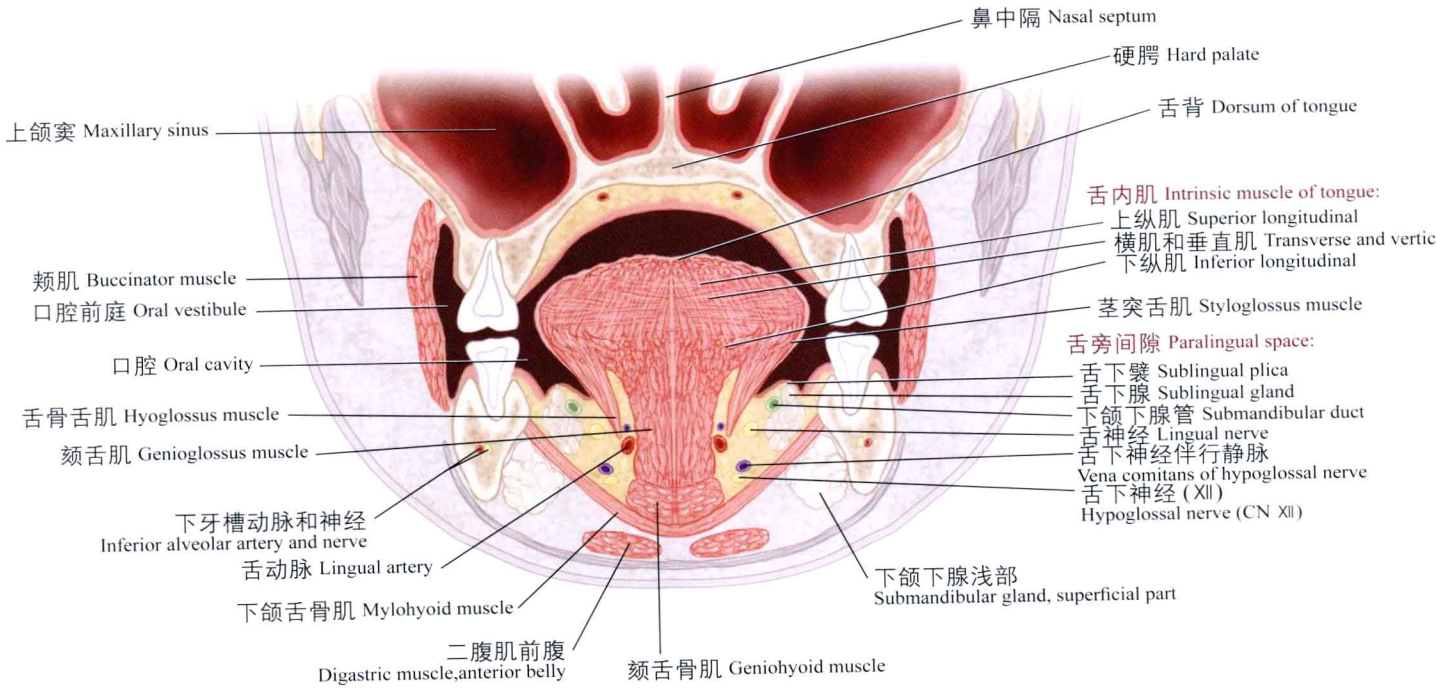
A.黏膜特征 Mucosal features



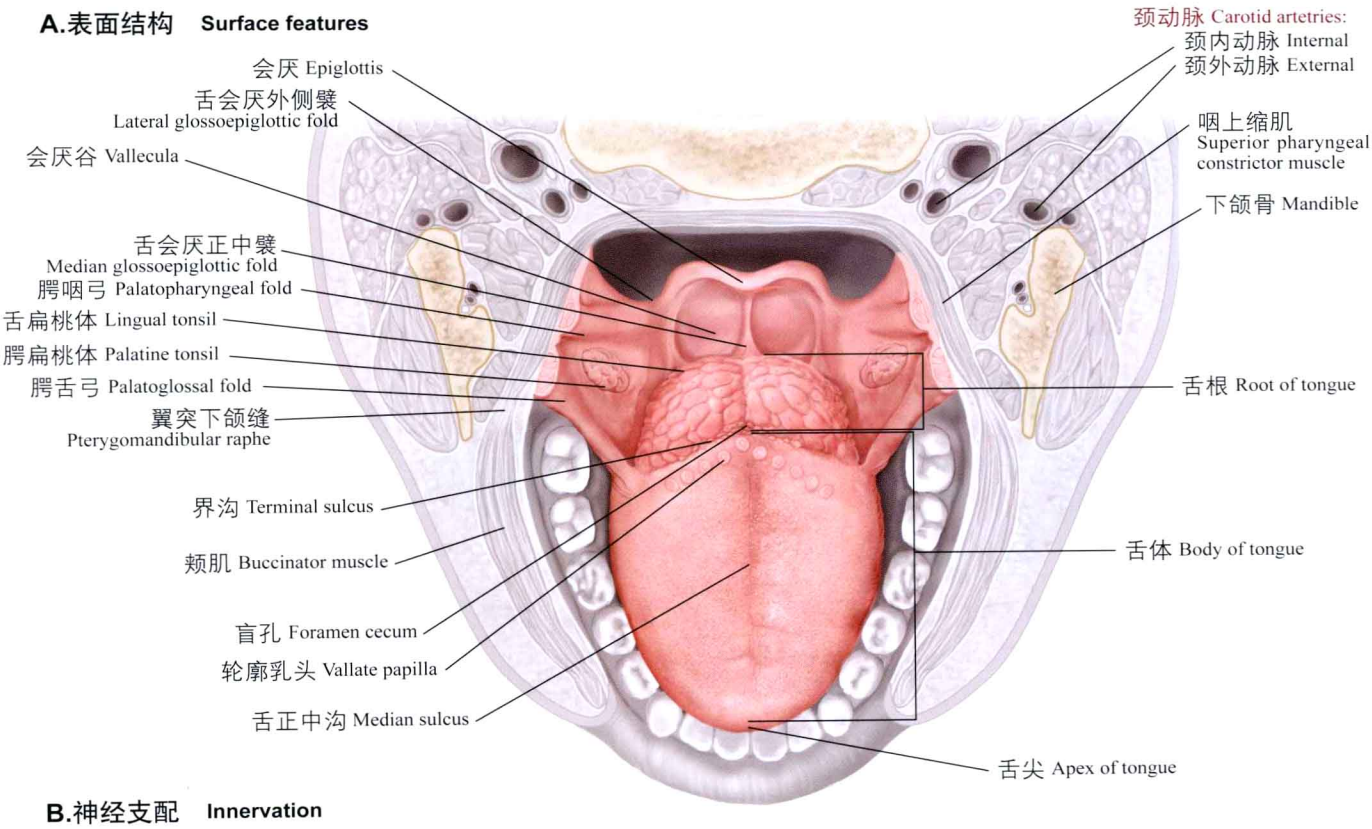
B.腭和咽 Palate and fauces



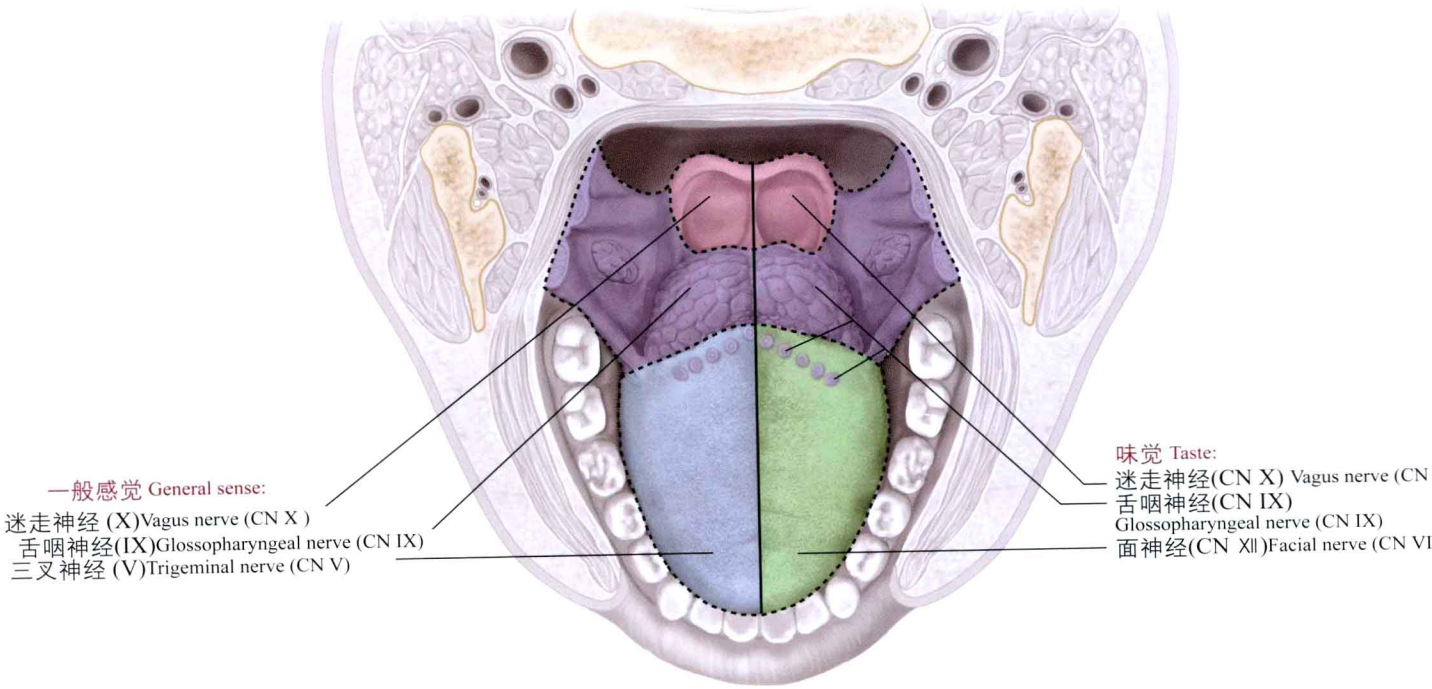
C.冠状断面 Coronal section



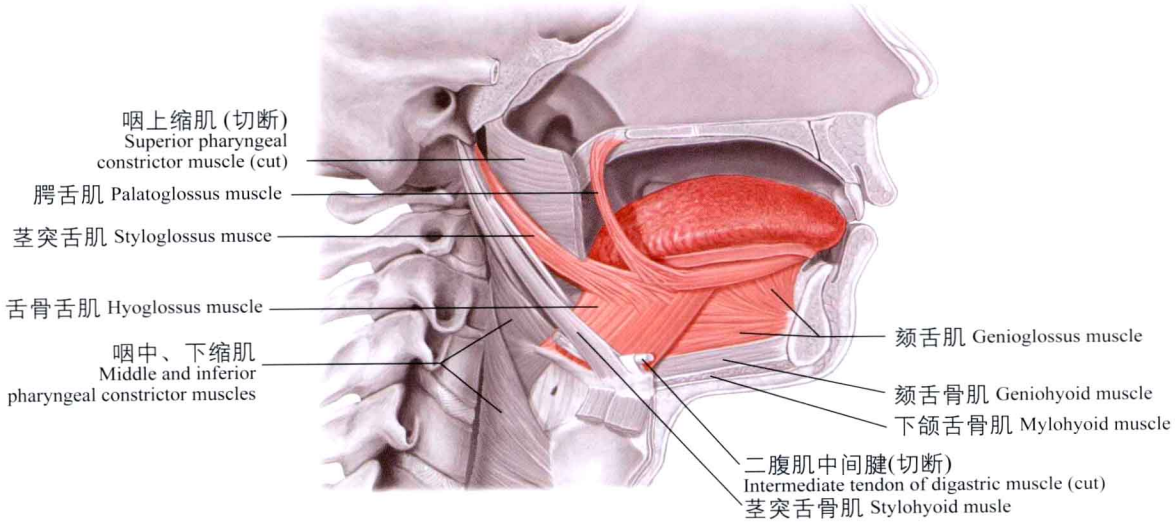
A.表面结构 Surface features



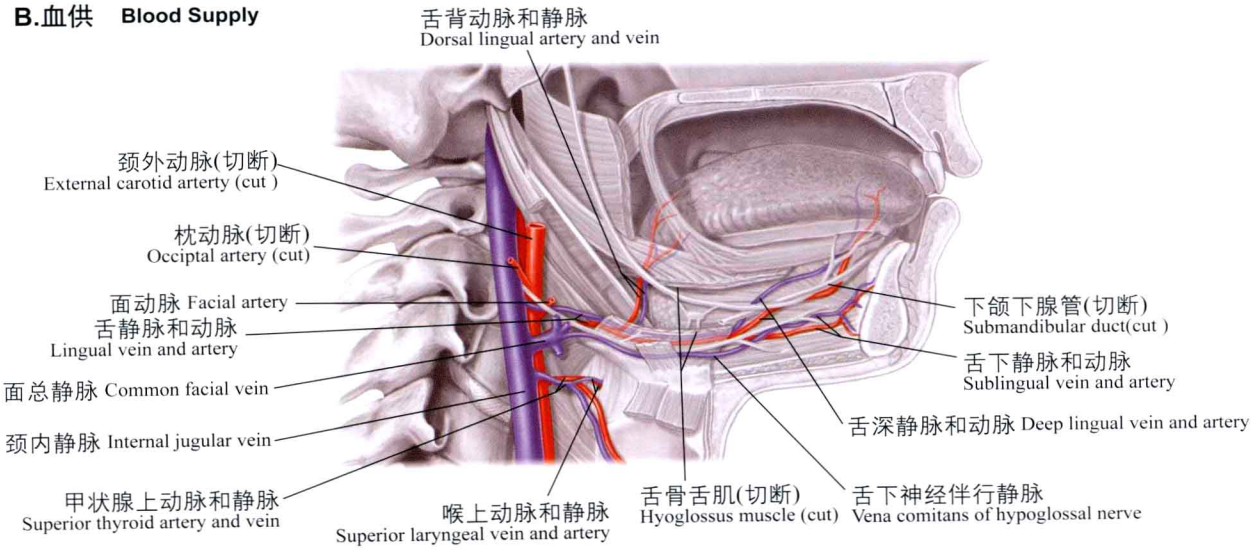
B.神经支配 Innervation



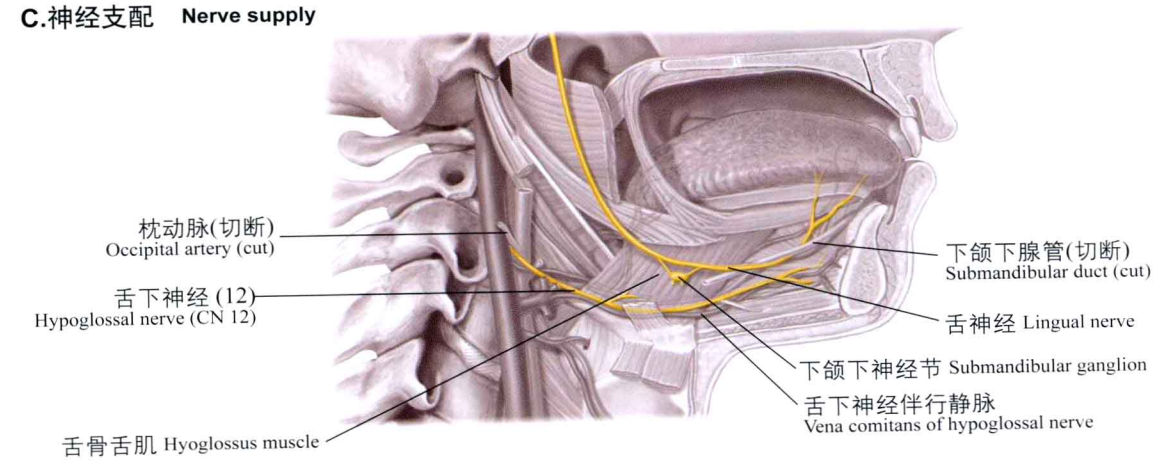
A.舌外肌 Extrinsic muscles



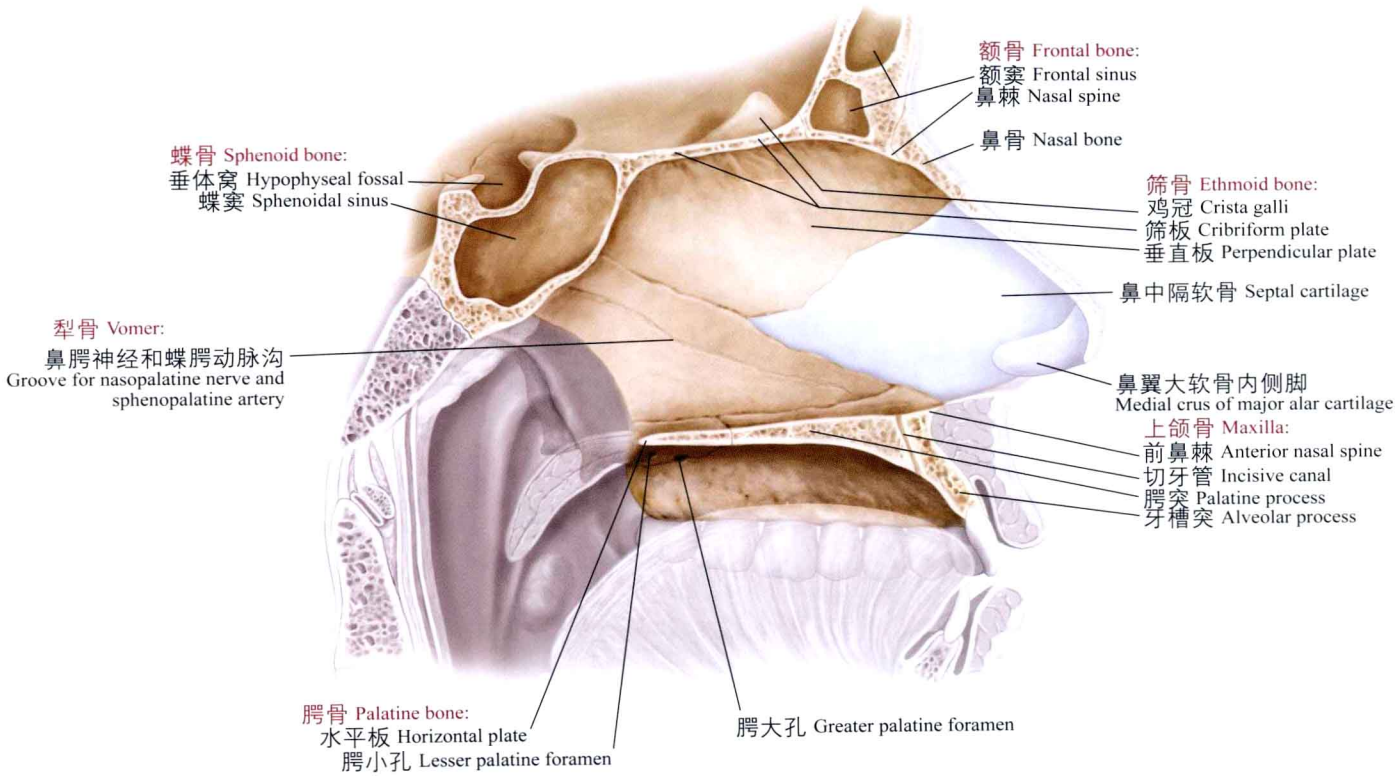
B.血供 Blood Supply



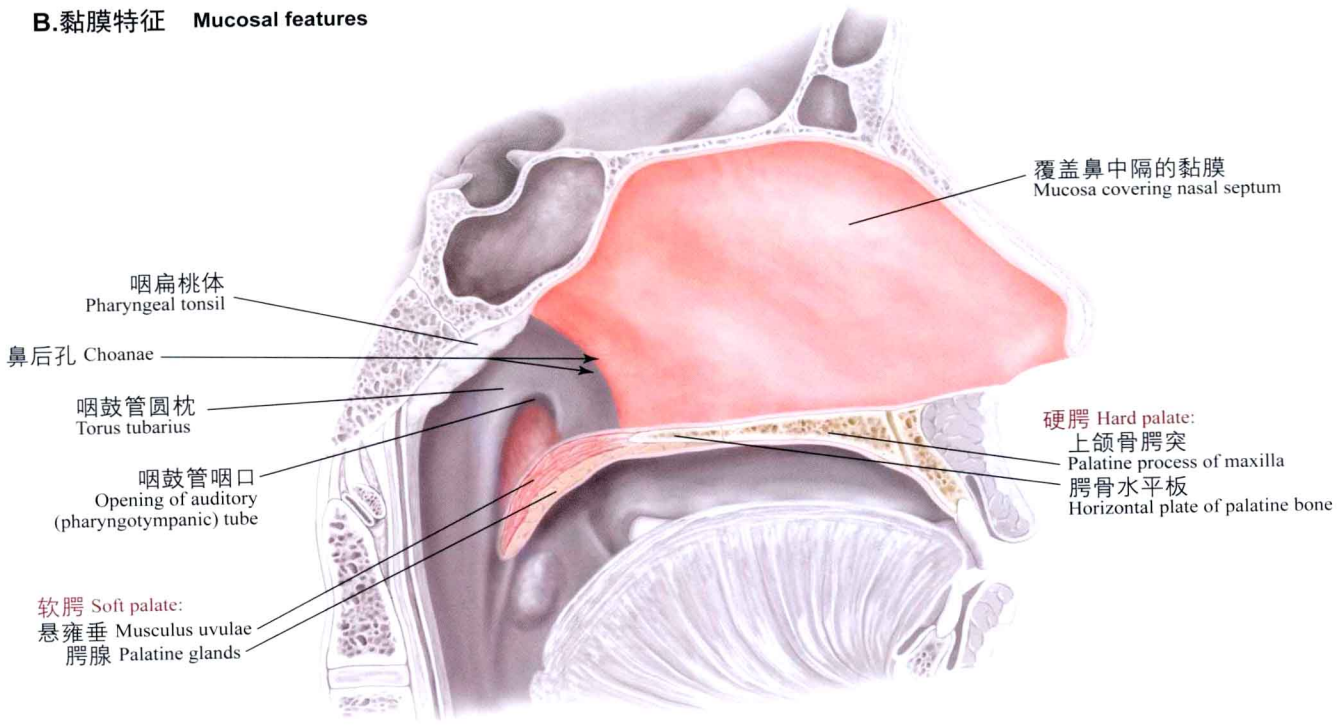
C.神经支配 Nerve supply



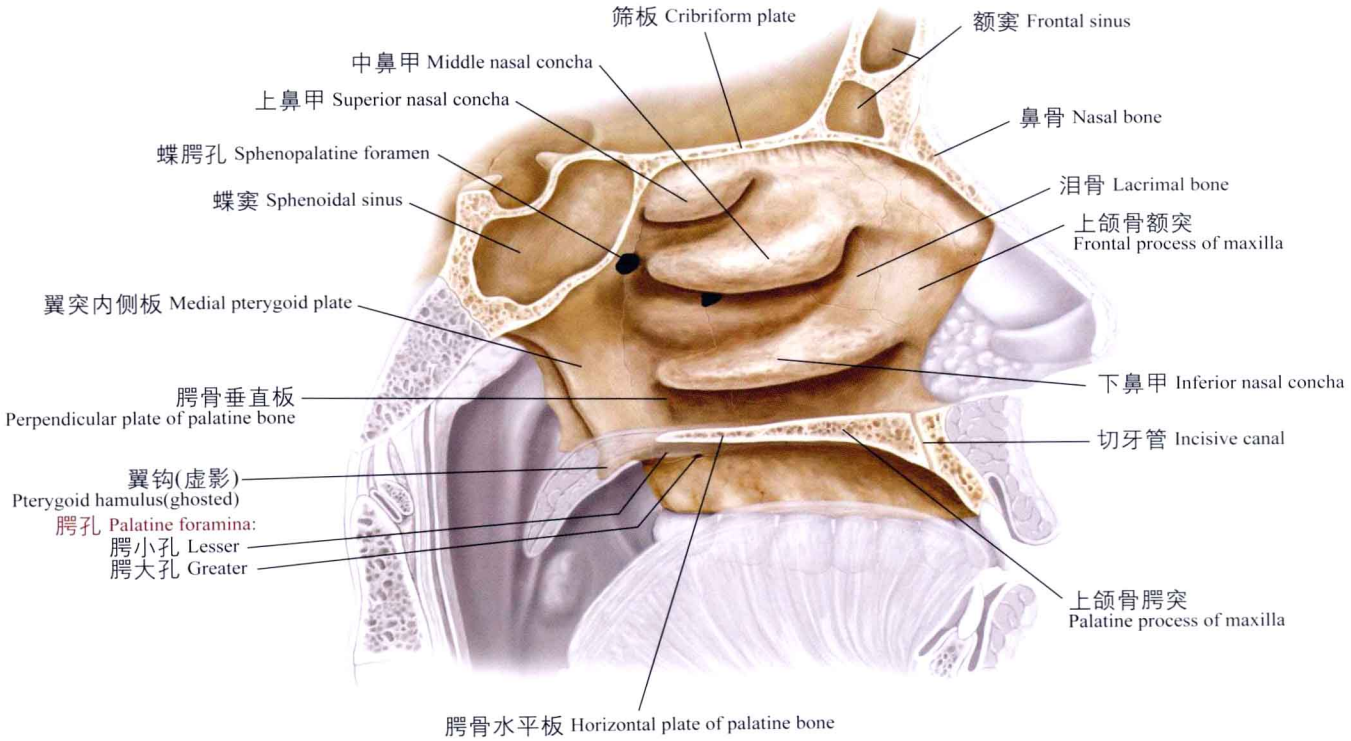
A.骨和软骨 Bone and cartilages



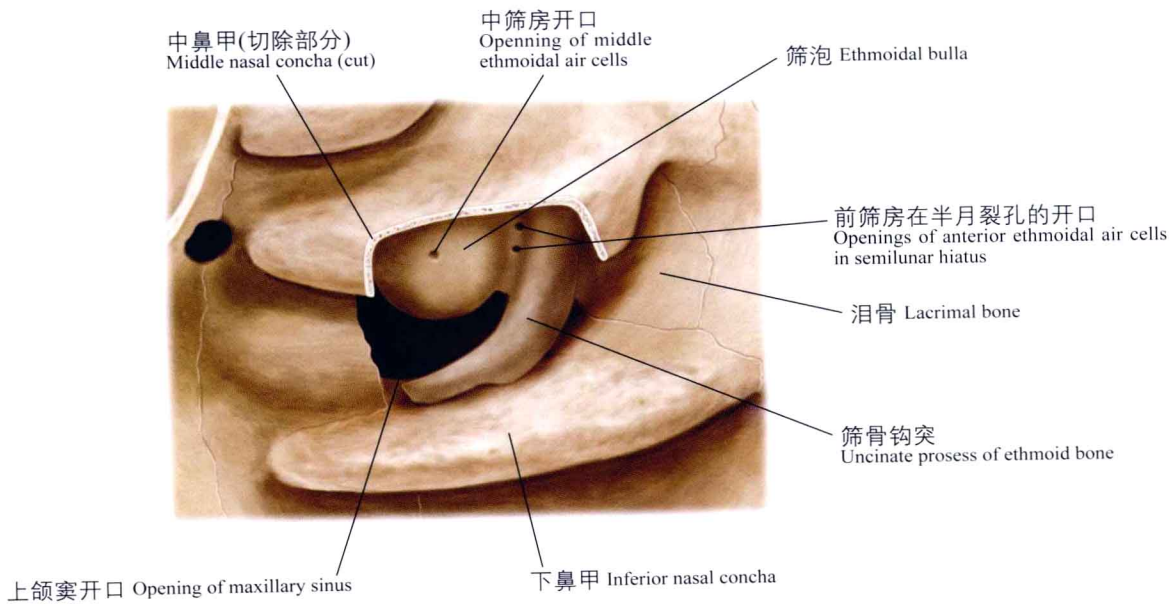
B.黏膜特征 Mucosal features



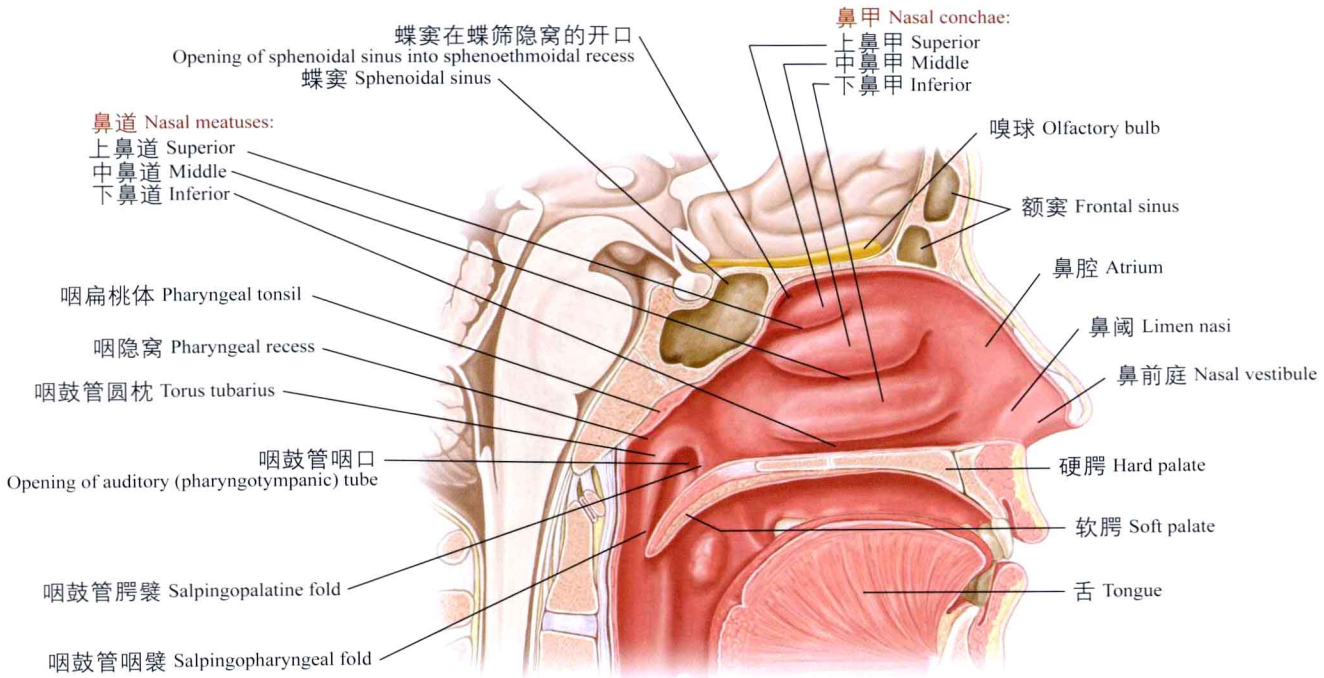
A.骨 Bones



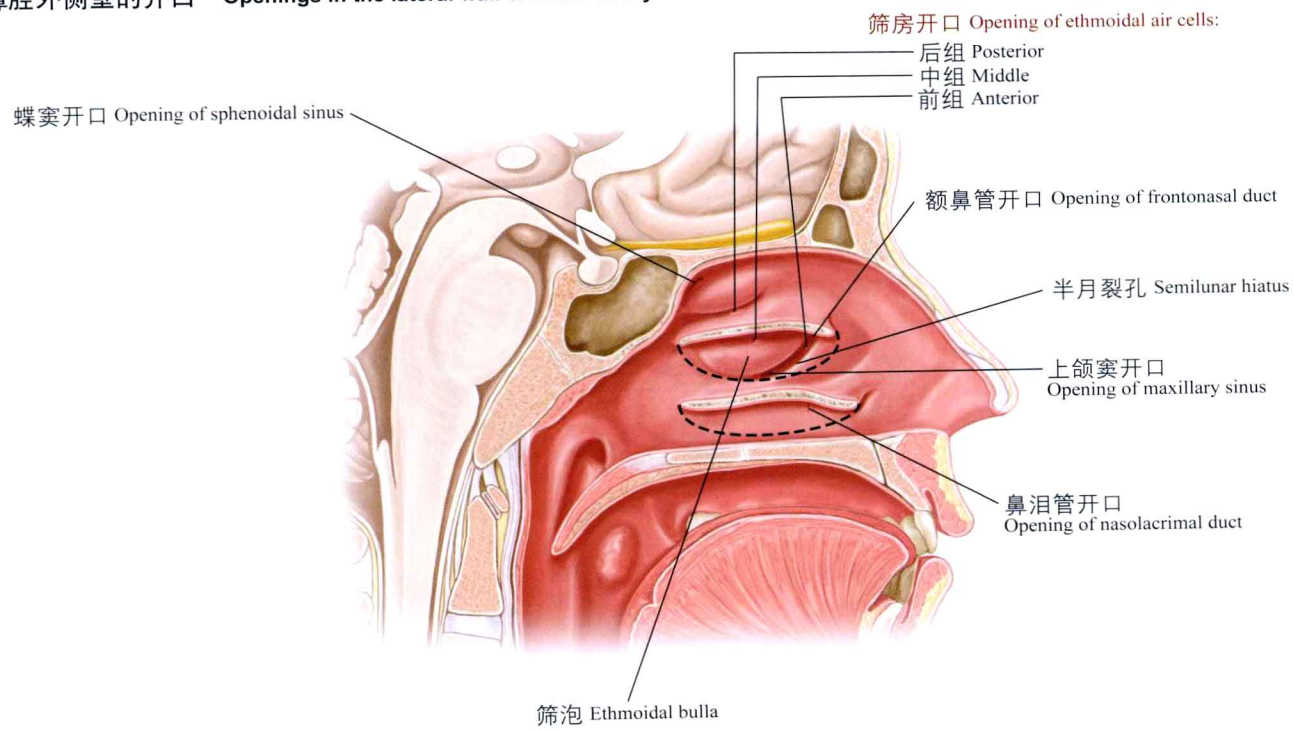
B.中鼻道的骨 Bones of the middle meatus



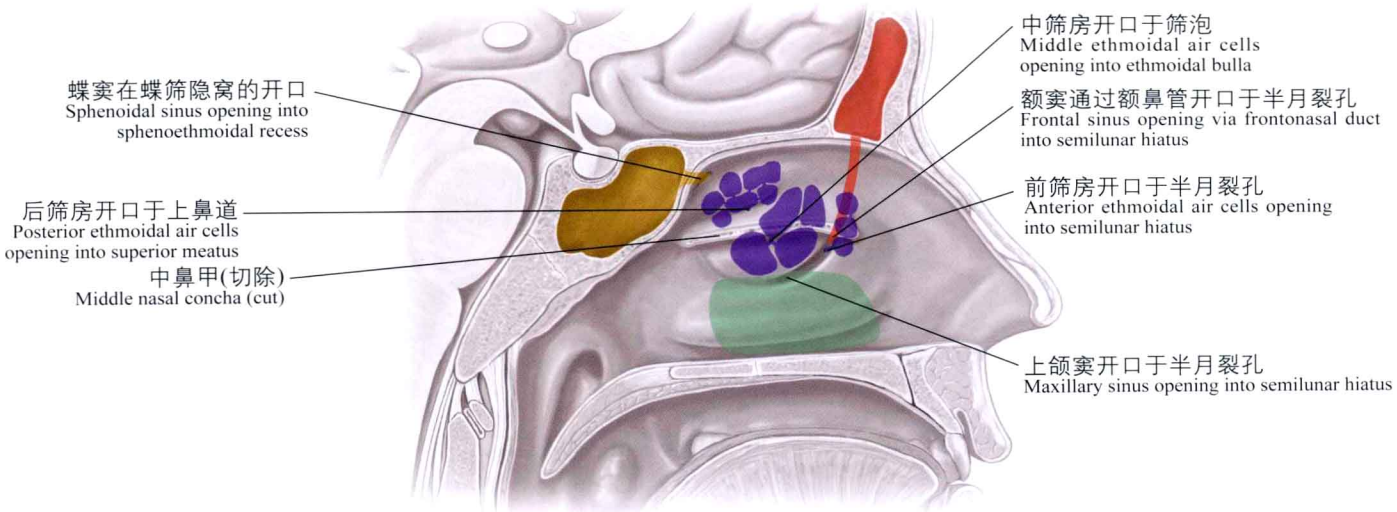
A.鼻甲和鼻道 Nasal conchae and meatuses



B.鼻腔外侧壁的开口 Openings in the lateral wall of nasal cavity

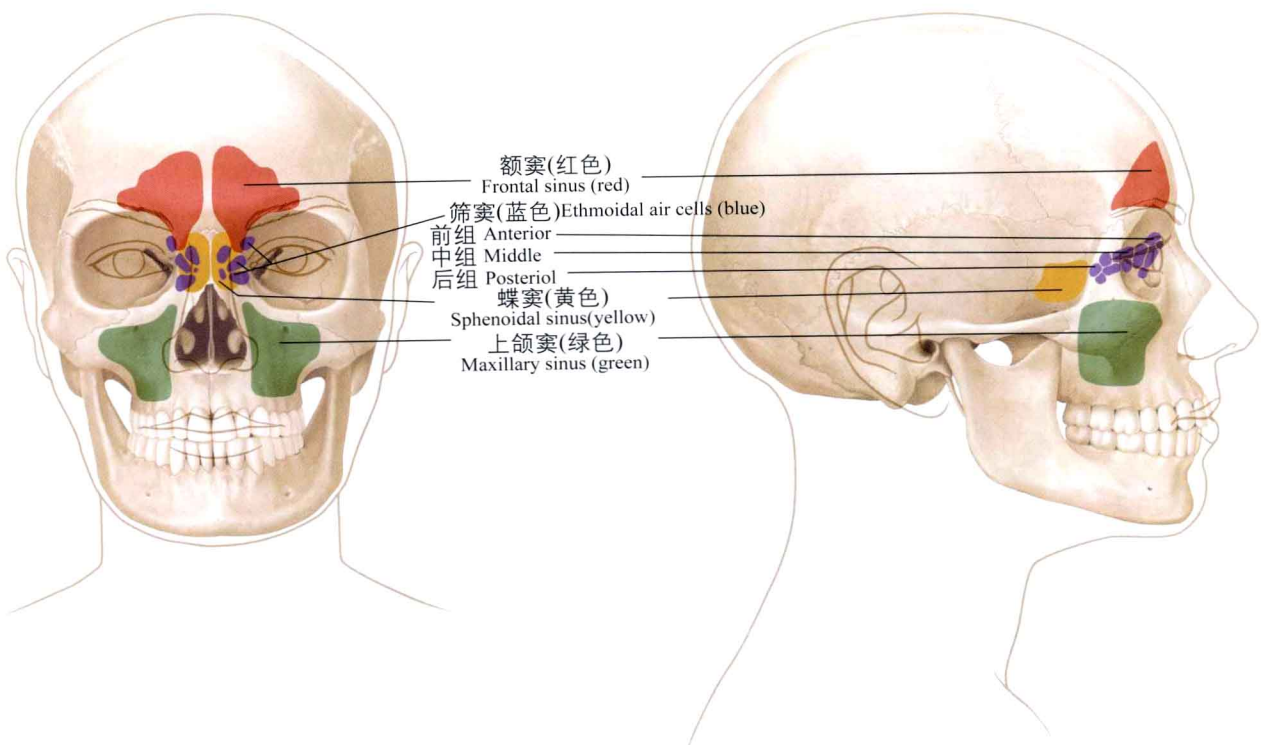


A.内面观 Medial view



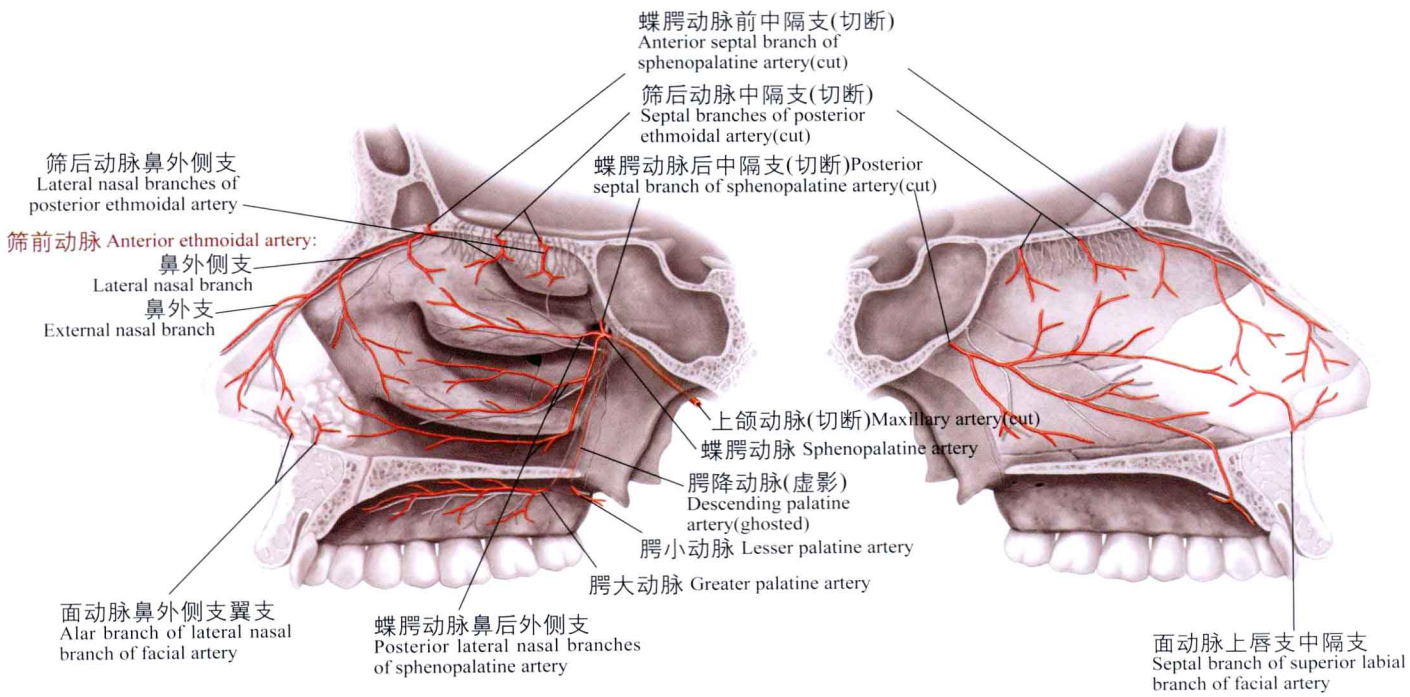
B.前面观 Anterior view

C.外侧面观 Lateral view



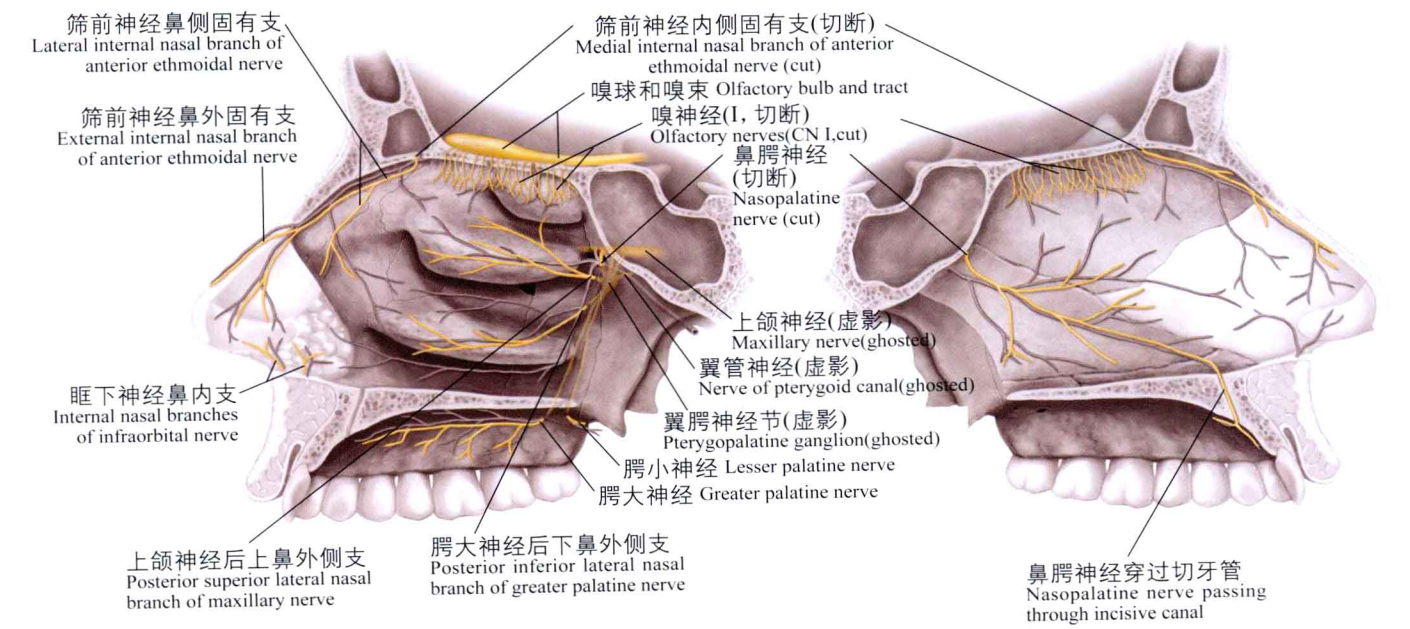
A.外侧壁的血液供应 Blood supply of lateral wall

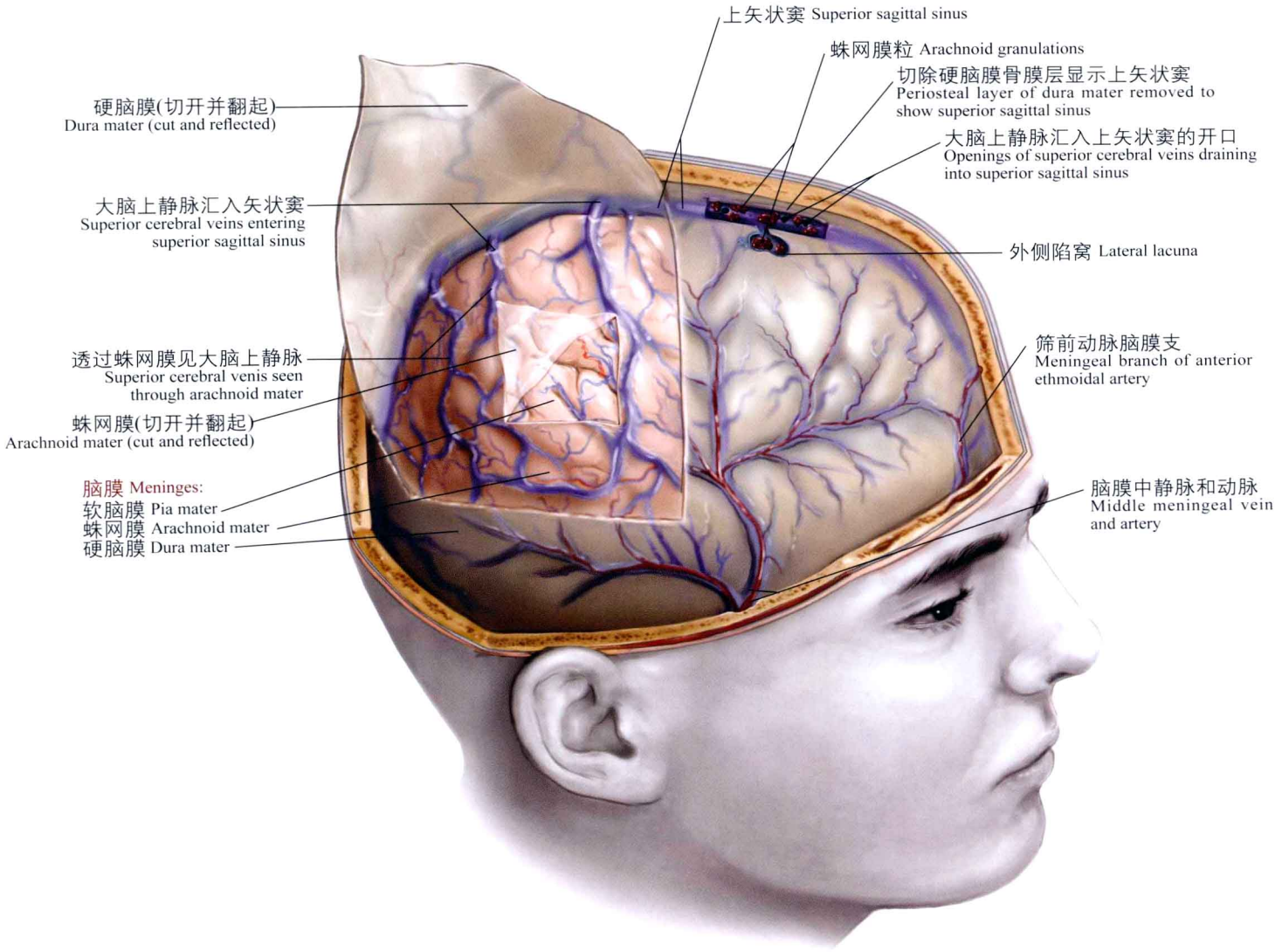
B.鼻中隔血液供应 Blood supply of nasal septum

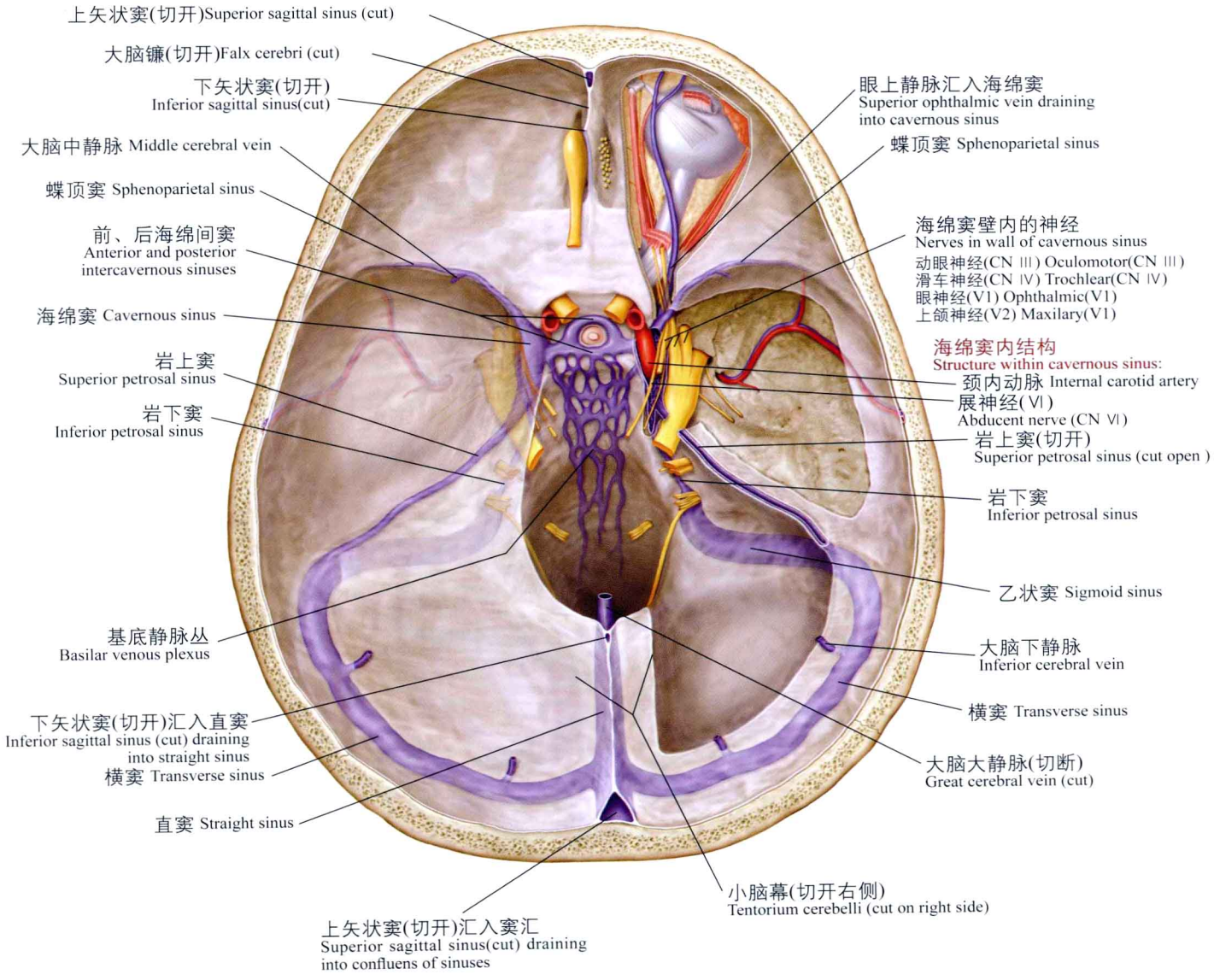


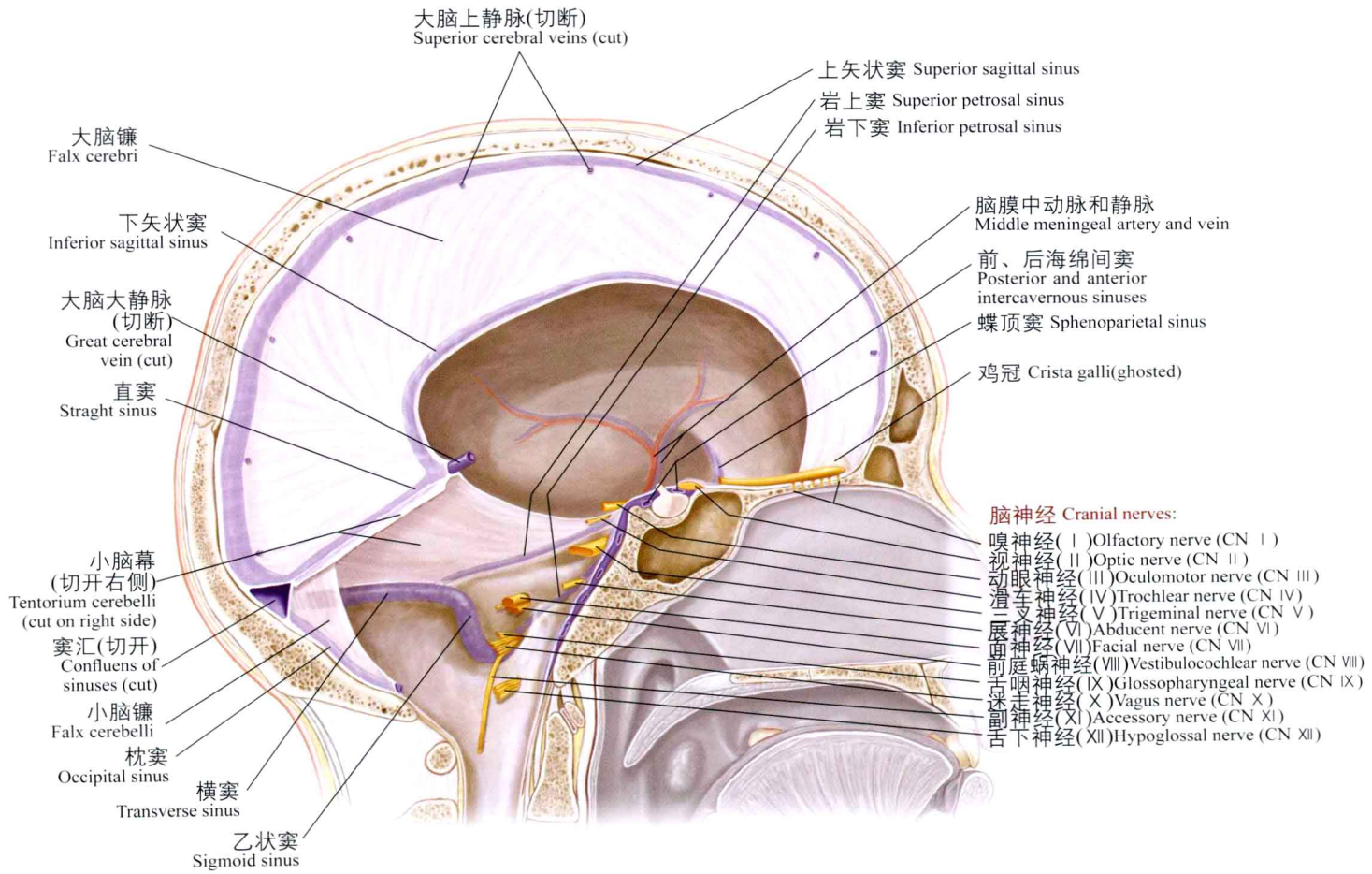
C.外侧壁的神经 Nerves of lateral wall

D.鼻中隔的神经 Nerves of nasal septum

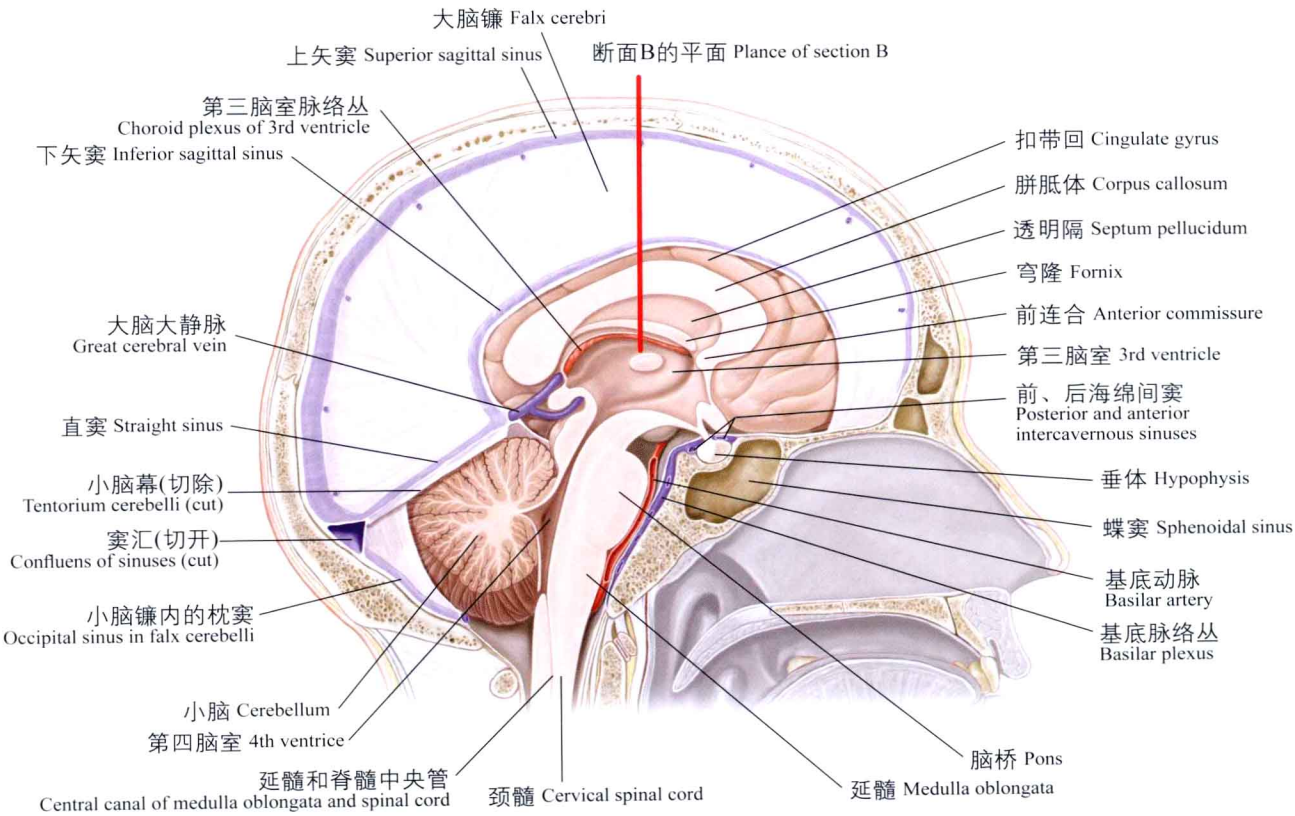



上矢状窦 Superior sagittal sinus
蛛网膜粒 Arachnoid granulations
切除硬脑膜骨膜层显示上矢状窦
Periosteal layer of dura mater removed to show superior sagittal sinus
大脑上静脉汇入上矢状窦的开口
Openings of superior cerebral veins draining into superior sagittal sinus
硬脑膜(切开并翻起)
Dura mater (cut and reflected)
大脑上静脉汇入矢状窦
Superior cerebral veins entering superior sagittal sinus
外侧陷窝 Lateral lacuna
筛前动脉脑膜支
Meningeal branch of anterior ethmoidal artery
透过蛛网膜见大脑上静脉
Superior cerebral venis seen through arachnoid mater
蛛网膜(切开并翻起)
Arachnoid mater (cut and reflected)
脑膜 Meninges:
软脑膜 Pia mater
蛛网膜 Arachnoid mater
硬脑膜 Dura mater
脑膜中静脉和动脉
Middle meningeal vein and artery

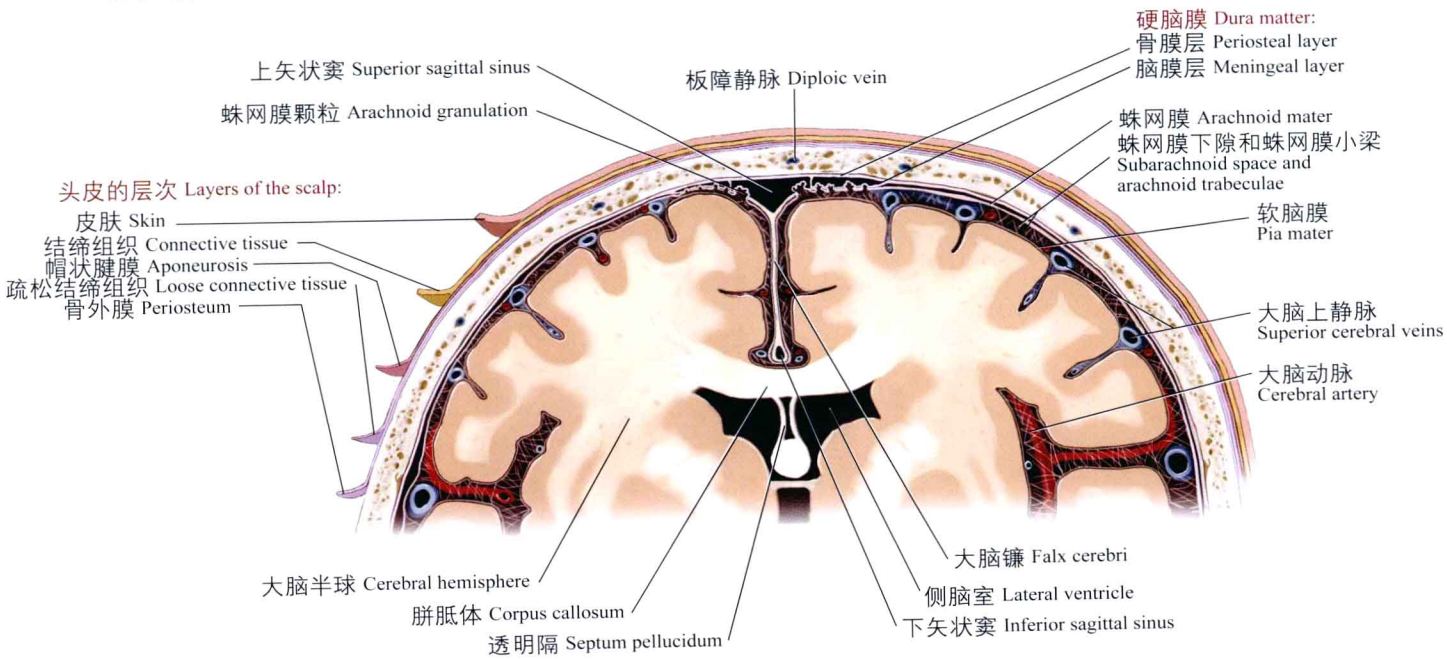

上矢状窦(切开)Superior sagittal sinus (cut)
大脑镰(切开)Falx cerebri (cut)
下矢状窦(切开)
Inferior sagittal sinus(cut)
大脑中静脉 Middle cerebral vein
蝶顶窦 Sphenoparietal sinus
前、后海绵间窦
Anterior and posterior intercavernous sinuses
海绵窦 Cavernous sinus
岩上窦
Superior petrosal sinus
岩下窦
Inferior petrosal sinus
基底静脉丛
Basilar venous plexus
下矢状窦(切开)汇入直窦
Inferior sagittal sinus (cut) draining into straight sinus
横窦 Transverse sinus
直窦 Straight sinus
上矢状窦(切开)汇入窦汇
Superior sagittal sinus(cut) draining into confluens of sinuses
小脑幕(切开右侧)
Tentorium cerebelli (cut on right side)
大脑大静脉(切断)
Great cerebral vein (cut)
横窦 Transverse sinus
大脑下静脉
Inferior cerebral vein
乙状窦 Sigmoid sinus
岩下窦
Inferior petrosal sinus
岩上窦(切开)
Superior petrosal sinus (cut open)
展神经(Ⅵ)
Abducent nerve (CN Ⅵ)
颈内动脉 Internal carotid artery
海绵窦内结构
Structure within cavernous sinus:
海绵窦壁内的神经
Nerves in wall of cavernous sinus
动眼神经(CN Ⅲ) Oculomotor(CN Ⅲ)
滑车神经(CN Ⅳ) Trochlear(CN Ⅳ)
眼神经(V1) Ophthalmic(V1)
上颌神经(V2) Maxilary(V1)
蝶顶窦 Sphenoparietal sinus
眼上静脉汇入海绵窦
Superior ophthalmic vein draining into cavernous sinus


大脑上静脉(切断)
Superior cerebral veins (cut)
上矢状窦 Superior sagittal sinus
岩上窦 Superior petrosal sinus
岩下窦 Inferior petrosal sinus
大脑镰
Falx cerebri
下矢状窦
Inferior sagittal sinus
脑膜中动脉和静脉
Middle meningeal artery and vein
前、后海绵间窦
Posterior and anterior intercavernous sinuses
蝶顶窦 Sphenoparietal sinus
大脑大静脉(切断)
Great cerebral vein (cut)
直窦
Straght sinus
鸡冠 Crista galli(ghosted)
脑神经 Cranial nerves:
嗅神经(Ⅰ)Olfactory nerve (CN Ⅰ)
视神经(Ⅱ)Optic nerve (CN Ⅱ)
动眼神经(Ⅲ)Oculomotor nerve (CN Ⅲ)
滑车神经(Ⅳ)Trochlear nerve (CN Ⅳ)
三叉神经(Ⅴ)Trigeminal nerve (CN Ⅴ)
展神经(Ⅵ)Abducent nerve (CN Ⅵ)
面神经(Ⅶ)Facial nerve (CN Ⅶ)
前庭蜗神经(Ⅷ)Vestibulocochlear nerve (CN Ⅷ)
舌咽神经(Ⅸ)Glossopharyngeal nerve (CN Ⅸ)
迷走神经(Ⅹ)Vagus nerve (CN Ⅹ)
副神经(Ⅺ)Accessory nerve (CN Ⅺ)
舌下神经(Ⅻ)Hypoglossal nerve (CN Ⅻ)
小脑幕(切开右侧)
Tentorium cerebelli (cut on right side)
窦汇(切开)
Confluens of sinuses (cut)
小脑镰
Falx cerebelli
枕窦
Occipital sinus
横窦
Transverse sinus
乙状窦
Sigmoid sinus

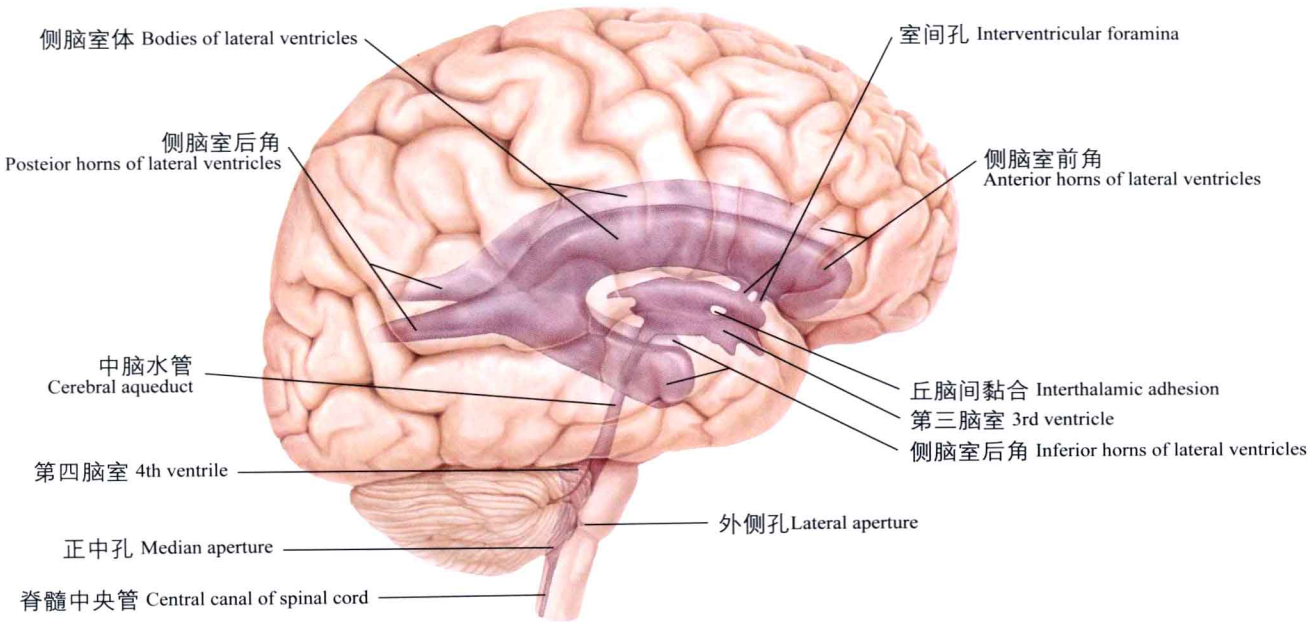
A.矢状断面 Sagittal section



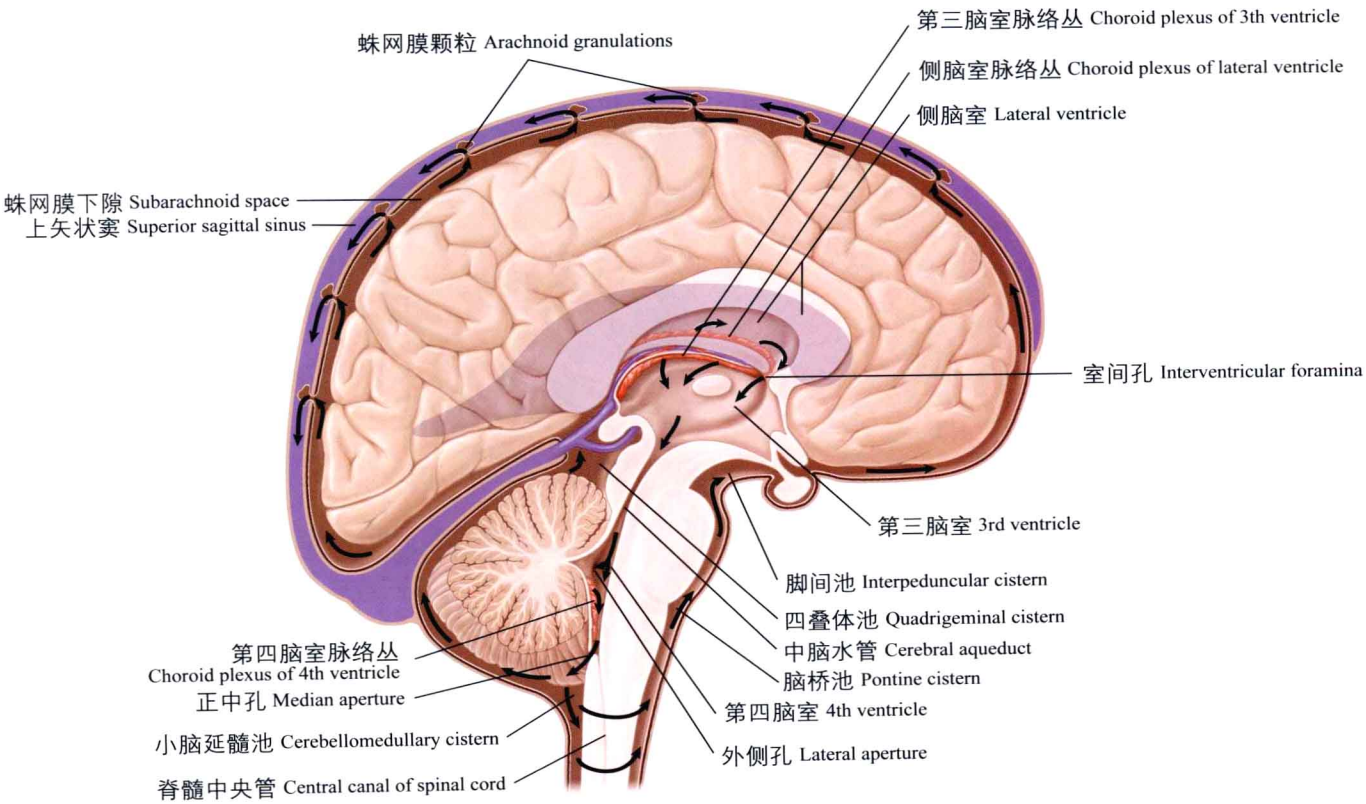
B.冠状断面 Coronal section

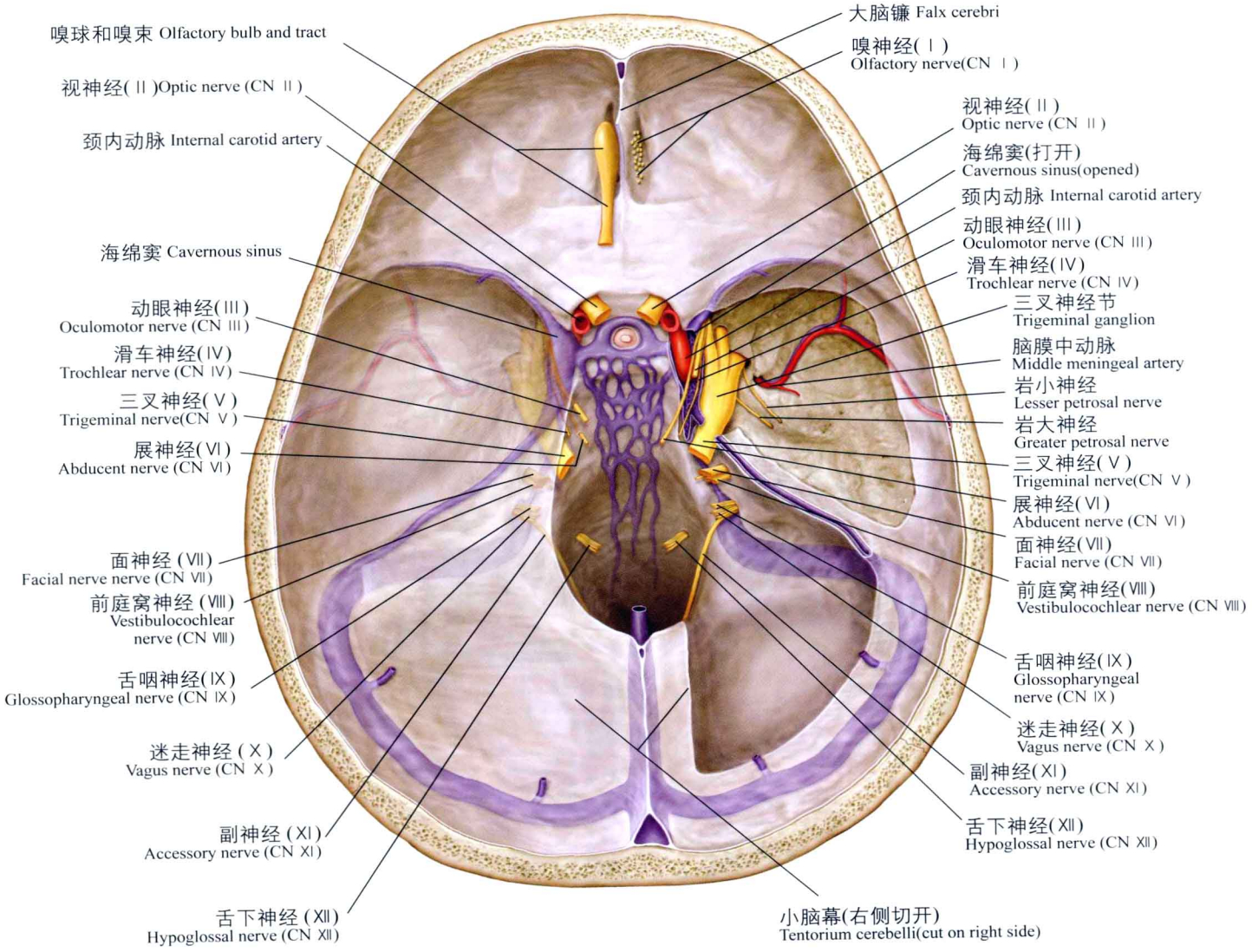


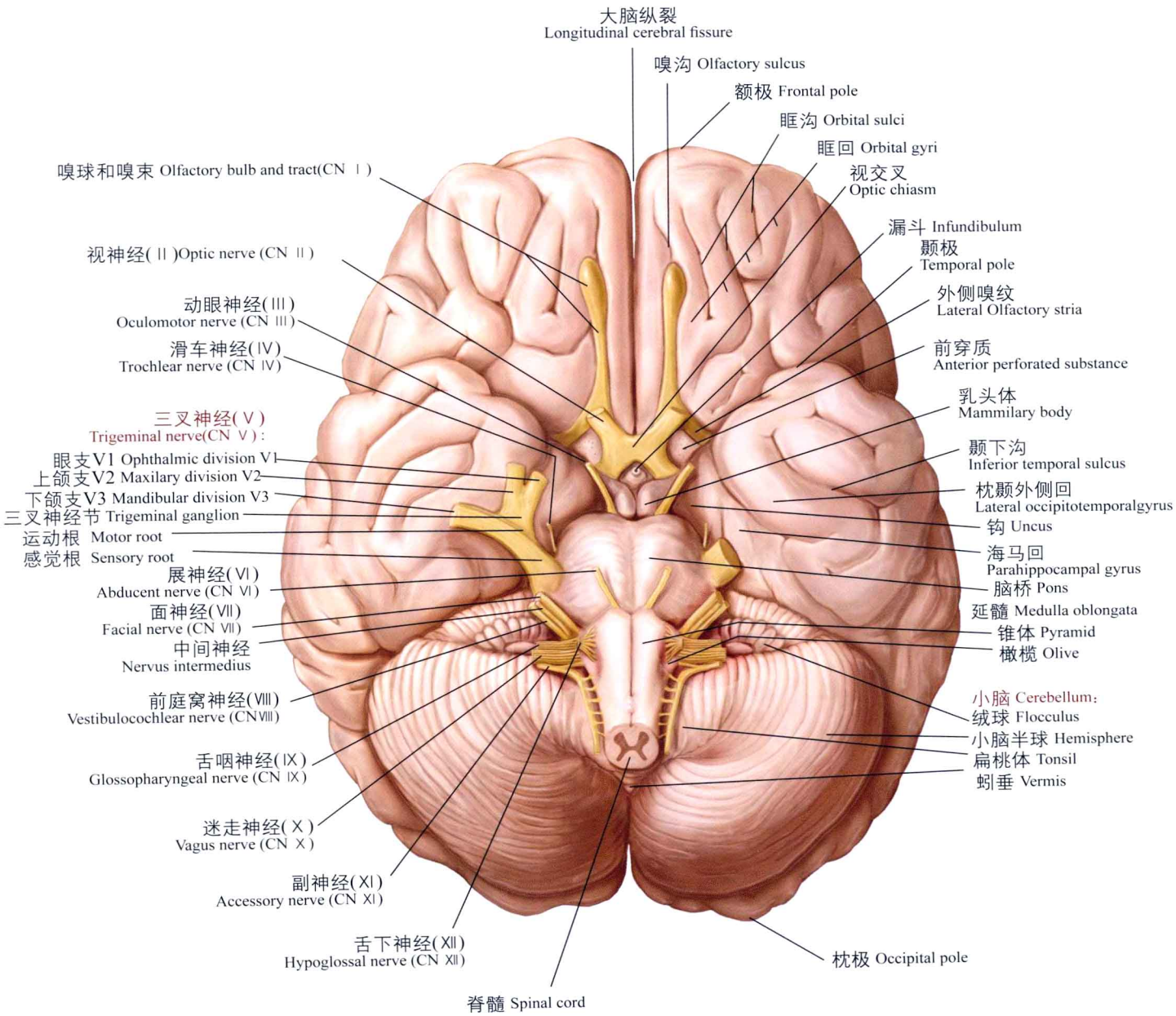
A.脑室的位置 Location of ventricles

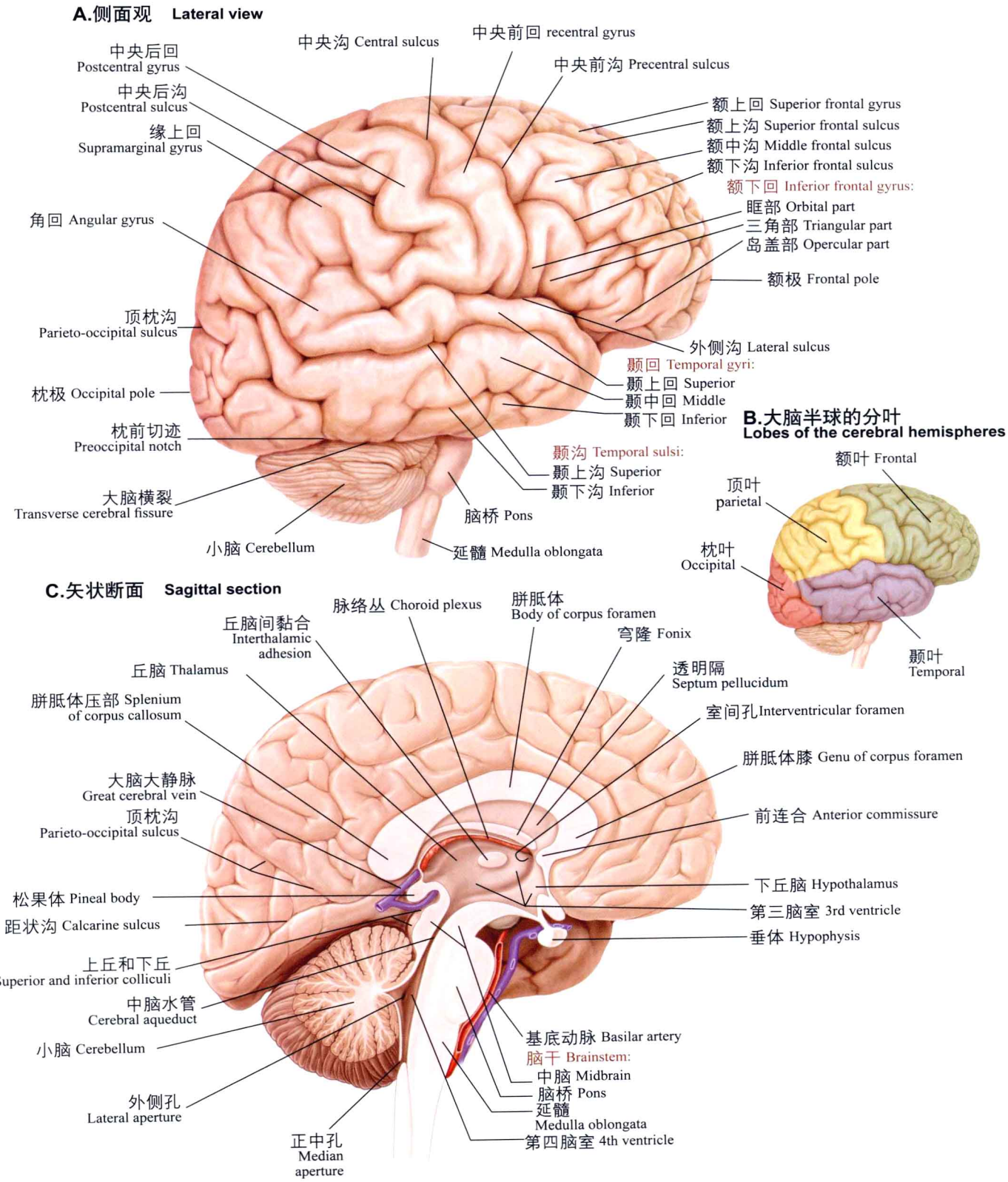


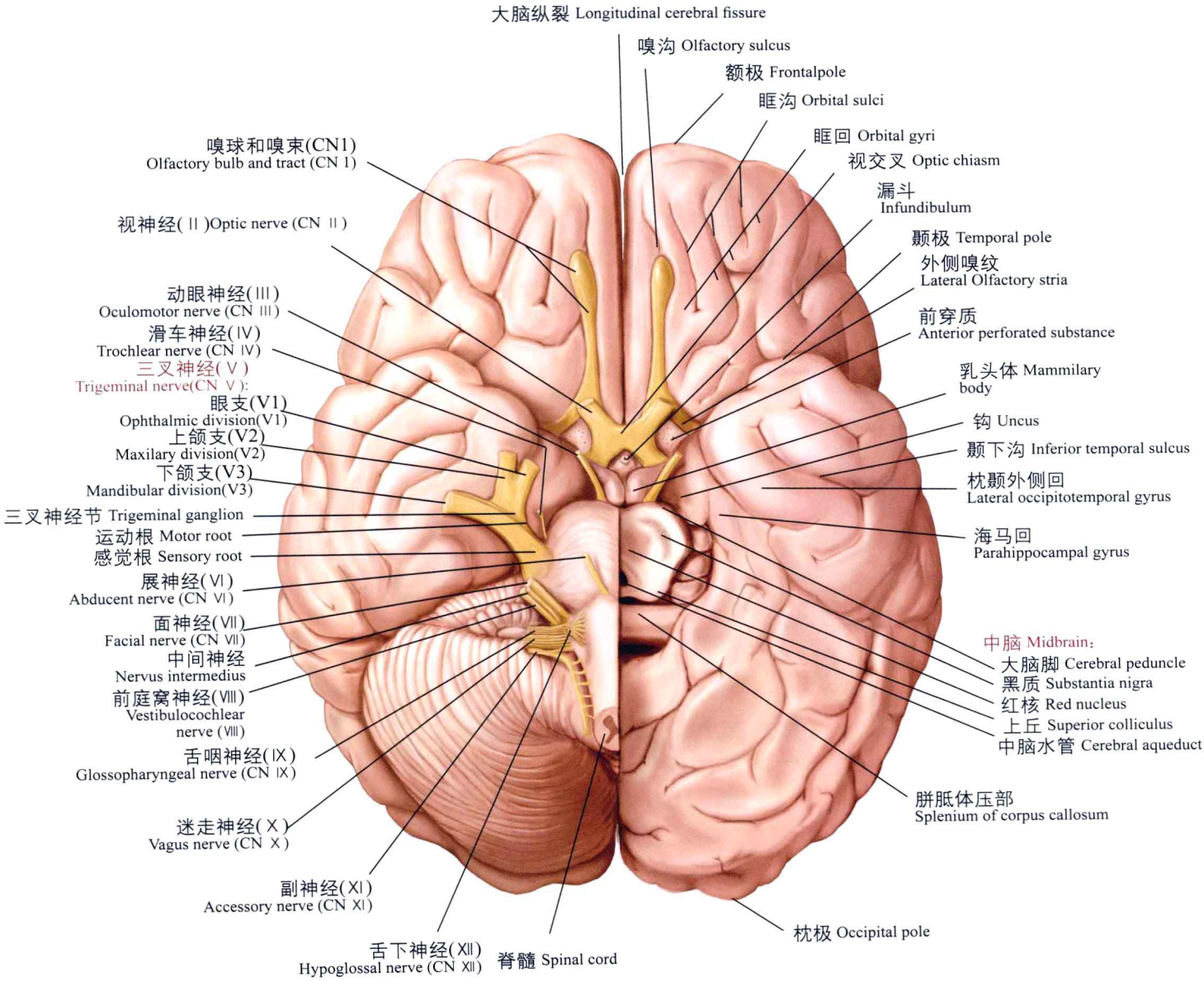
B.脑脊液循环 Circulation of cerebrospinal fluid



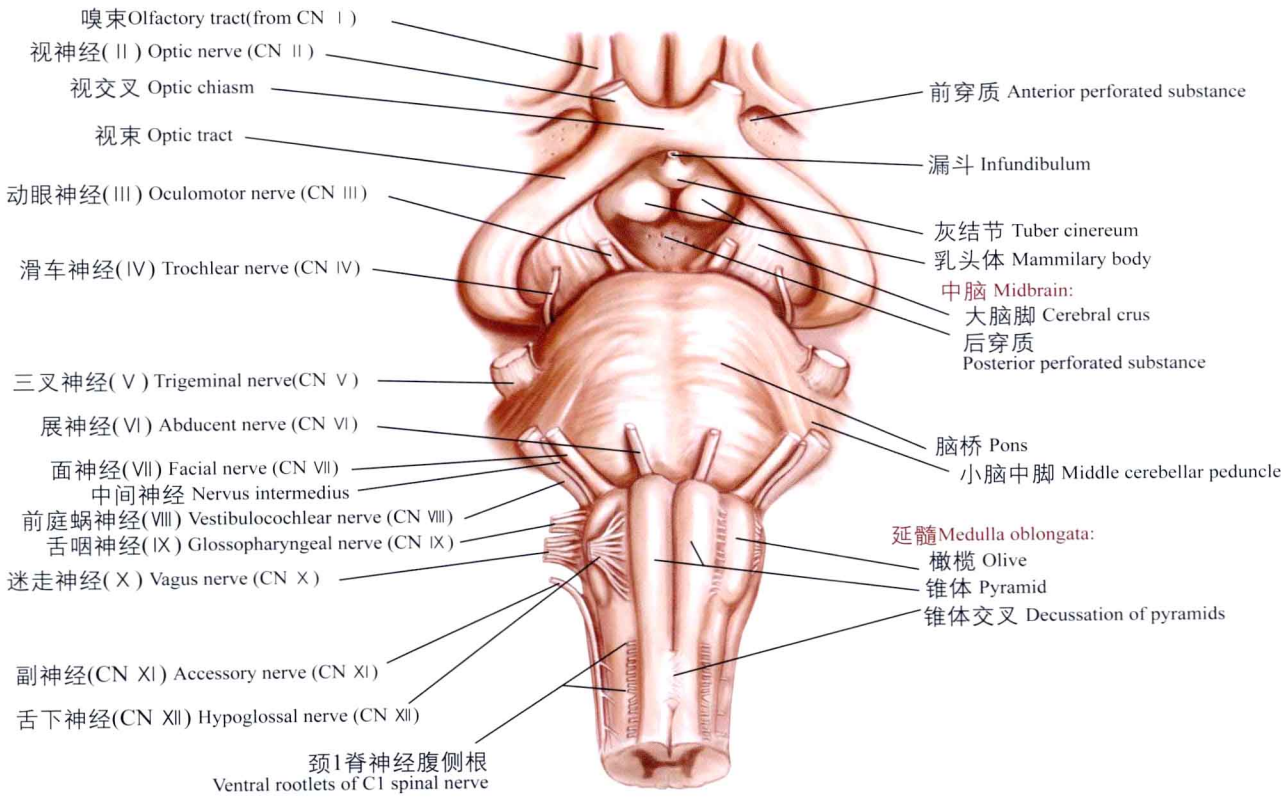

嗅球和嗅束 Olfactory bulb and tract
视神经(Ⅱ)Optic nerve (CN Ⅱ)
颈内动脉 Internal carotid artery
海绵窦 Cavernous sinus
动眼神经(Ⅲ)
Oculomotor nerve (CN Ⅲ)
滑车神经(Ⅳ)
Trochlear nerve (CN Ⅳ)
三叉神经(Ⅴ)
Trigeminal nerve(CN Ⅴ)
展神经(Ⅵ)
Abducent nerve (CN Ⅵ)
面神经(Ⅶ)
Facial nerve nerve (CN Ⅶ)
前庭窝神经(Ⅷ)
Vestibulocochlear nerve (CN Ⅷ)
舌咽神经(Ⅸ)
Glossopharyngeal nerve (CN Ⅸ)
迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)
副神经(Ⅺ)
Accessory nerve (CN Ⅺ)
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
大脑镰 Falx cerebri
嗅神经(Ⅰ)
Olfactory nerve(CN Ⅰ)
视神经(Ⅱ)
Optic nerve (CN Ⅱ)
海绵窦(打开)
Cavernous sinus(opened)
颈内动脉 Internal carotid artery
动眼神经(Ⅲ)
Oculomotor nerve (CN Ⅲ)
滑车神经(Ⅳ)
Trochlear nerve (CN Ⅳ)
三叉神经节
Trigeminal ganglion
脑膜中动脉
Middle meningeal artery
岩小神经
Lesser petrosal nerve
岩大神经
Greater petrosal nerve
三叉神经(Ⅴ)
Trigeminal nerve(CN Ⅴ)
展神经(Ⅵ)
Abducent nerve (CN Ⅵ)
面神经(Ⅶ)
Facial nerve (CN Ⅶ)
前庭窝神经(Ⅷ)
Vestibulocochlear nerve (CN Ⅷ)
舌咽神经(Ⅸ)
Glossopharyngeal nerve (CN Ⅸ)
迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)
副神经(Ⅺ)
Accessory nerve (CN Ⅺ)
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
小脑幕(右侧切开)
Tentorium cerebelli(cut on right side)


大脑纵裂
Longitudinal cerebral fissure
嗅沟 Olfactory sulcus
额极 Frontal pole
眶沟 Orbital sulci
眶回 Orbital gyri
视交叉
Optic chiasm
嗅球和嗅束 Olfactory bulb and tract(CN Ⅰ)
漏斗 Infundibulum
颞极
Temporal pole
视神经(Ⅱ)Optic nerve (CN Ⅱ)
外侧嗅纹
Lateral Olfactory stria
动眼神经(Ⅲ)
Oculomotor nerve (CN Ⅲ)
滑车神经(Ⅳ)
Trochlear nerve (CN Ⅳ)
前穿质
Anterior perforated substance
三叉神经(Ⅴ)
Trigeminal nerve(CN Ⅴ):
乳头体
Mammilary body
眼支V1 Ophthalmic division V1
上颌支V2 Maxilary division V2
下颌支V3 Mandibular division V3
三叉神经节 Trigeminal ganglion
运动根 Motor root
感觉根 Sensory root
颞下沟
Inferior temporal sulcus
枕颞外侧回
Lateral occipitotemporalgyrus
钩 Uncus
海马回
Parahippocampal gyrus
展神经(Ⅵ)
Abducent nerve (CN Ⅵ)
脑桥 Pons
面神经(Ⅶ)
Facial nerve (CN Ⅶ)
延髓 Medulla oblongata
锥体 Pyramid
中间神经
Nervus intermedius
橄榄 Olive
前庭窝神经(Ⅷ)
Vestibulocochlear nerve (CNⅧ)
小脑 Cerebellum:
绒球 Flocculus
小脑半球 Hemisphere
舌咽神经(Ⅸ)
Glossopharyngeal nerve (CN Ⅸ)
扁桃体 Tonsil
蚓垂 Vermis
迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)
副神经(Ⅺ)
Accessory nerve (CN Ⅺ)
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
枕极 Occipital pole
脊髓 Spinal cord

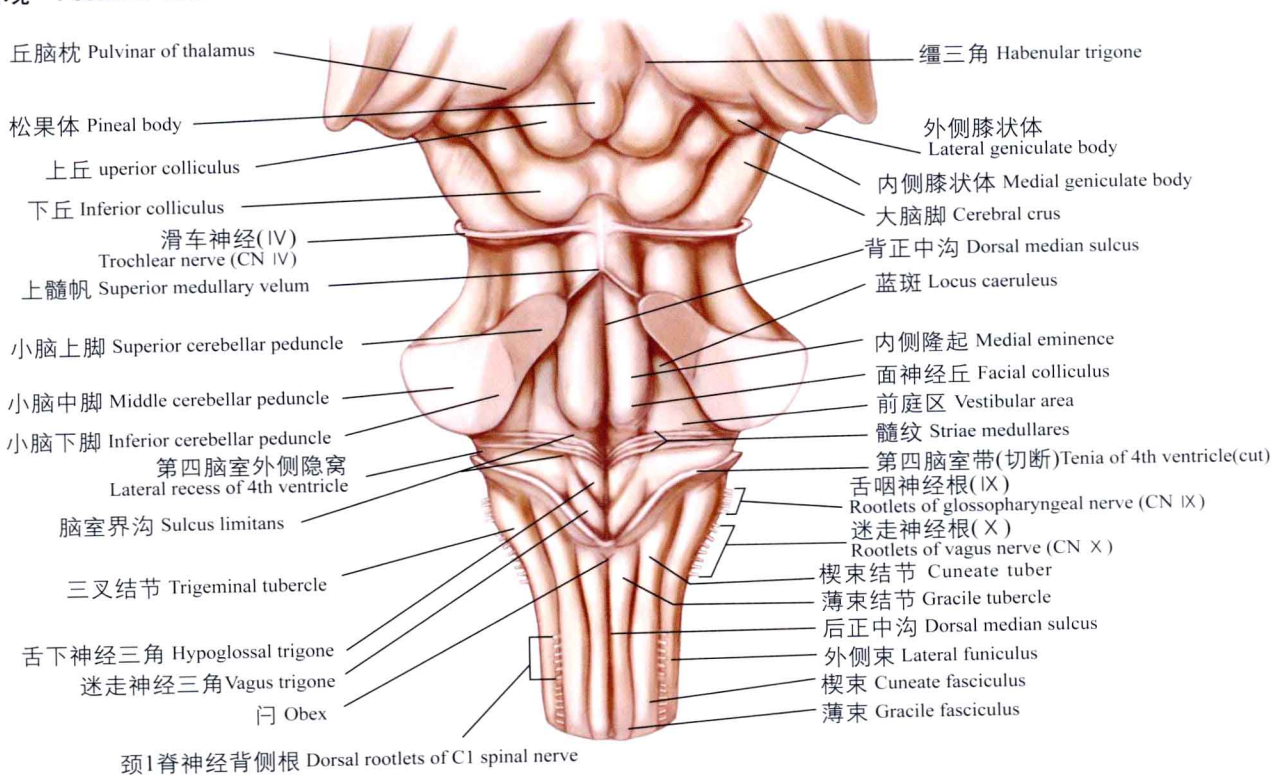

A.侧面观 Lateral view
中央后回 Postcentral gyrus
中央后沟 Postcentral sulcus
缘上回 Supramarginal gyrus
角回 Angular gyrus
顶枕沟 Parieto-occipital sulcus
枕极 Occipital pole
枕前切迹 Preoccipital notch
大脑横裂 Transverse cerebral fissure
小脑 Cerebellum
中央沟 Central sulcus
中央前回 recentral gyrus
中央前沟 Precentral sulcus
额上回 Superior frontal gyrus
额上沟 Superior frontal sulcus
额中沟 Middle frontal sulcus
额下沟 Inferior frontal sulcus
额下回 Inferior frontal gyrus:
眶部 Orbital part
三角部 Triangular part
岛盖部 Opercular part
额极 Frontal pole
外侧沟 Lateral sulcus
颞回 Temporal gyri:
颞上回 Superior
颞中回 Middle
颞下回 Inferior
颞沟 Temporal sulsi:
颞上沟 Superior
颞下沟 Inferior
脑桥 Pons
延髓 Medulla oblongata
B.大脑半球的分叶
Lobes of the cerebral hemispheres
额叶 Frontal
顶叶 parietal
枕叶 Occipital
颞叶 Temporal
C.矢状断面 Sagittal section
丘脑间黏合 Interthalamic adhesion
脉络丛 Choroid plexus
胼胝体 Body of corpus foramen
穹隆 Fonix
丘脑 Thalamus
透明隔 Septum pellucidum
胼胝体压部 Splenium of corpus callosum
室间孔Interventricular foramen
胼胝体膝 Genu of corpus foramen
大脑大静脉 Great cerebral vein
顶枕沟 Parieto-occipital sulcus
前连合 Anterior commissure
松果体 Pineal body
下丘脑 Hypothalamus
距状沟 Calcarine sulcus
第三脑室 3rd ventricle
垂体 Hypophysis
上丘和下丘 Superior and inferior colliculi
中脑水管 Cerebral aqueduct
小脑 Cerebellum
外侧孔 Lateral aperture
正中孔 Median aperture
基底动脉 Basilar artery
脑干 Brainstem:
中脑 Midbrain
脑桥 Pons
延髓 Medulla oblongata
第四脑室 4th ventricle


大脑纵裂 Longitudinal cerebral fissure
嗅沟 Olfactory sulcus
额极 Frontalpole
眶沟 Orbital sulci
眶回 Orbital gyri
视交叉 Optic chiasm
漏斗 Infundibulum
颞极 Temporal pole
外侧嗅纹 Lateral Olfactory stria
前穿质 Anterior perforated substance
乳头体 Mammilary body
钩 Uncus
颞下沟 Inferior temporal sulcus
枕颞外侧回 Lateral occipitotemporal gyrus
海马回 Parahippocampal gyrus
嗅球和嗅束(CN I) Olfactory bulb and tract (CN I)
视神经(Ⅱ)Optic nerve (CN Ⅱ)
动眼神经(Ⅲ) Oculomotor nerve (CN Ⅲ)
滑车神经(Ⅳ) Trochlear nerve (CN Ⅳ)
三叉神经(Ⅴ) Trigeminal nerve(CN Ⅴ):
眼支(V1) Ophthalmic division(V1)
上颌支(V2) Maxilary division(V2)
下颌支(V3) Mandibular division(V3)
三叉神经节 Trigeminal ganglion
运动根 Motor root
感觉根 Sensory root
展神经(Ⅵ) Abducent nerve (CN Ⅵ)
面神经(Ⅶ) Facial nerve (CN Ⅶ)
中间神经 Nervus intermedius
前庭窝神经(Ⅷ) Vestibulocochlear nerve (Ⅷ)
舌咽神经(Ⅸ) Glossopharyngeal nerve (CN Ⅸ)
迷走神经(Ⅹ) Vagus nerve (CN Ⅹ)
副神经(Ⅺ) Accessory nerve (CN Ⅺ)
舌下神经(Ⅻ) Hypoglossal nerve (CN Ⅻ)
脊髓 Spinal cord
中脑 Midbrain:
大脑脚 Cerebral peduncle
黑质 Substantia nigra
红核 Red nucleus
上丘 Superior colliculus
中脑水管 Cerebral aqueduct
胼胝体压部 Splenium of corpus callosum
枕极 Occipital pole

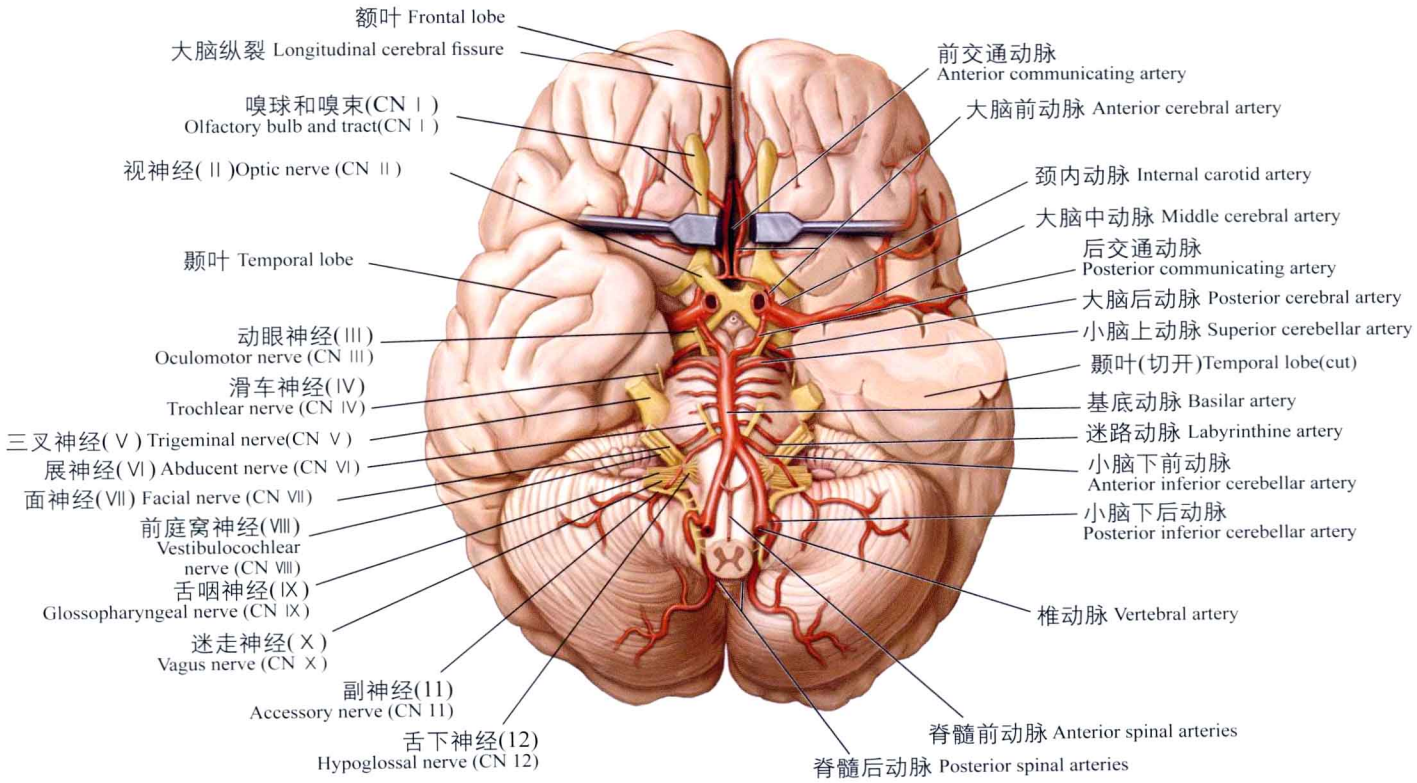
A.前面观 Anterior view



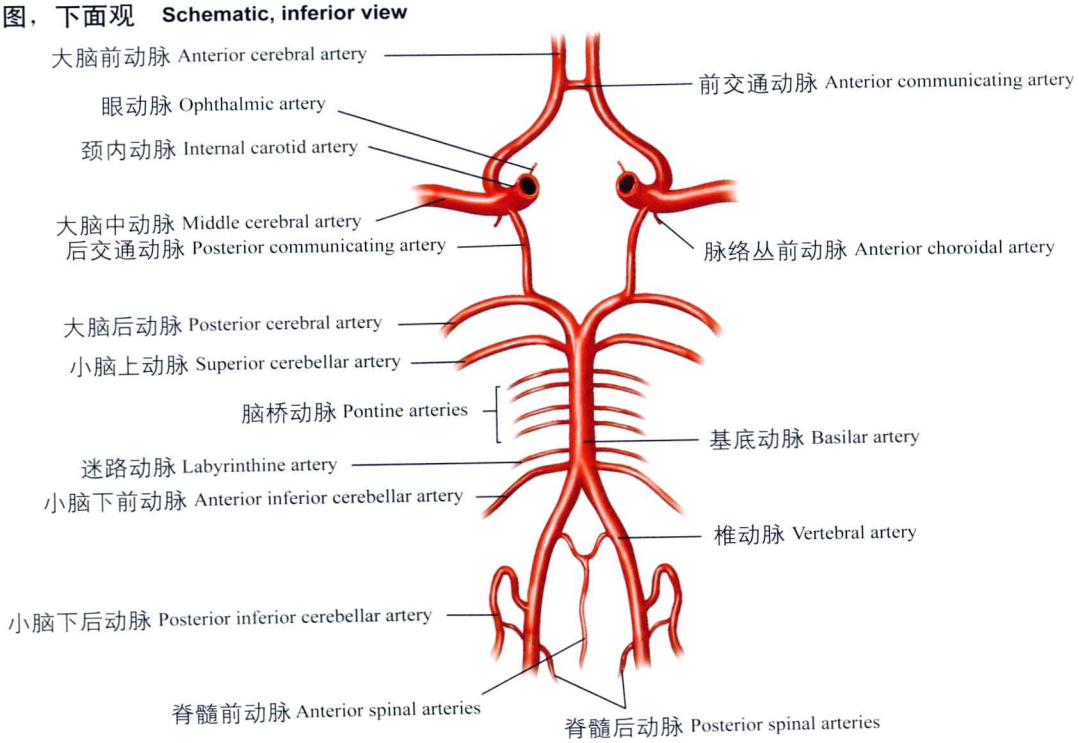
B.后面观 Posterior view



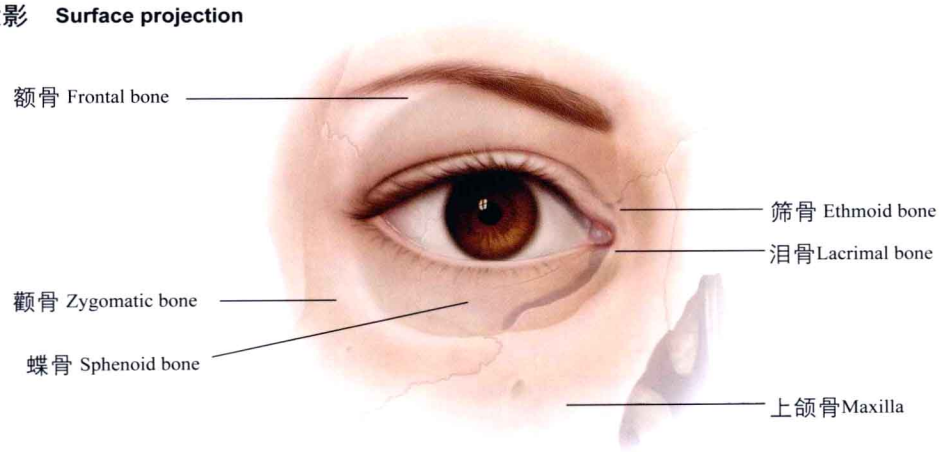
A.下面观 Inferior viewe



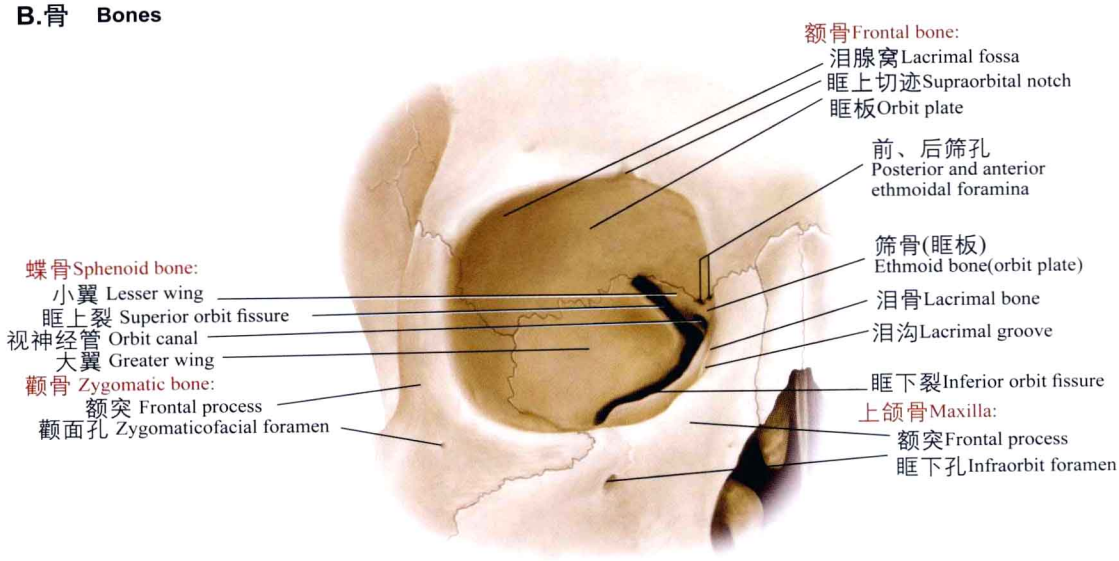
B.示意图，下面观 Schematic, inferior view



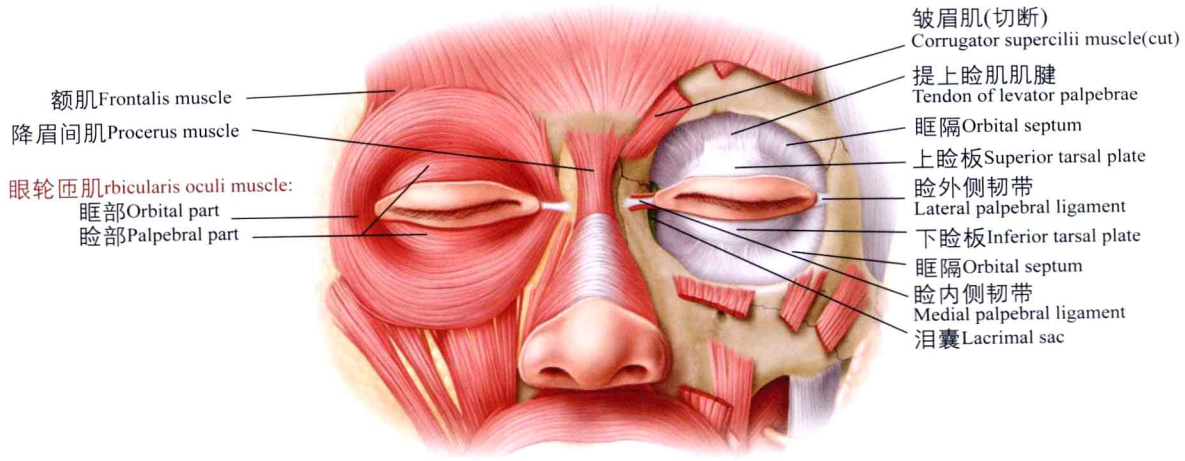
A.体表投影 Surface projection



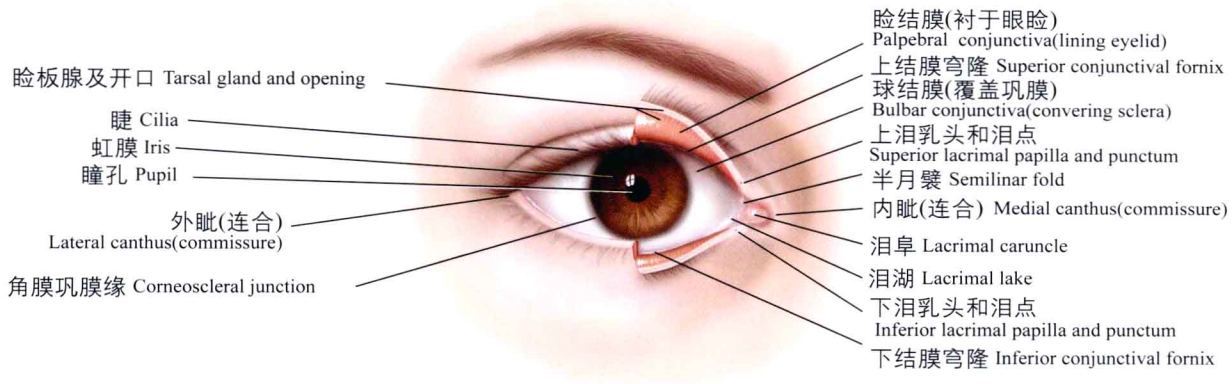
B.骨 Bones



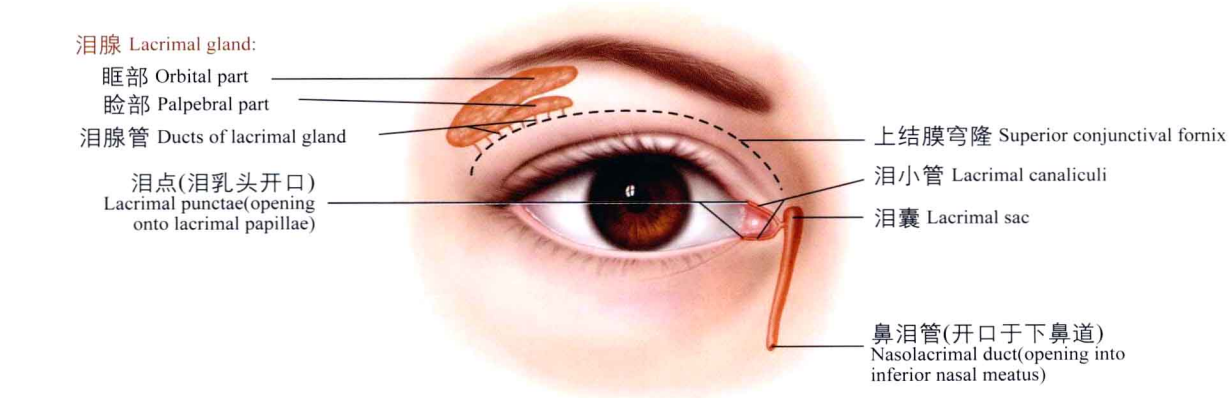
C.肌肉和眶隔Muscles and orbital septum



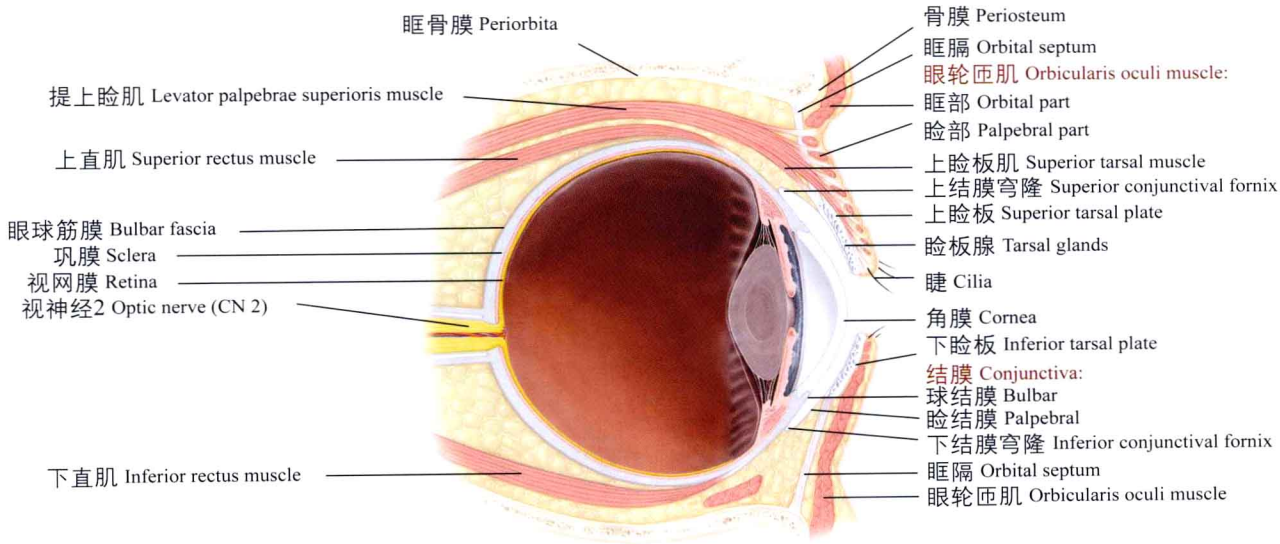
A.眼的表面解剖 Surface anatomy of the eye



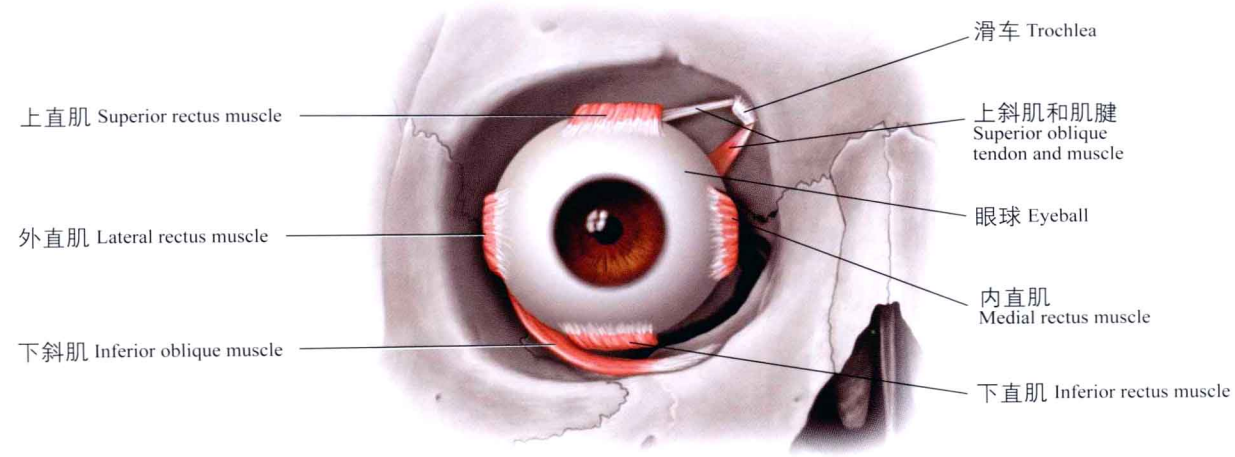
B.泪器 Lacrimal Apparatus



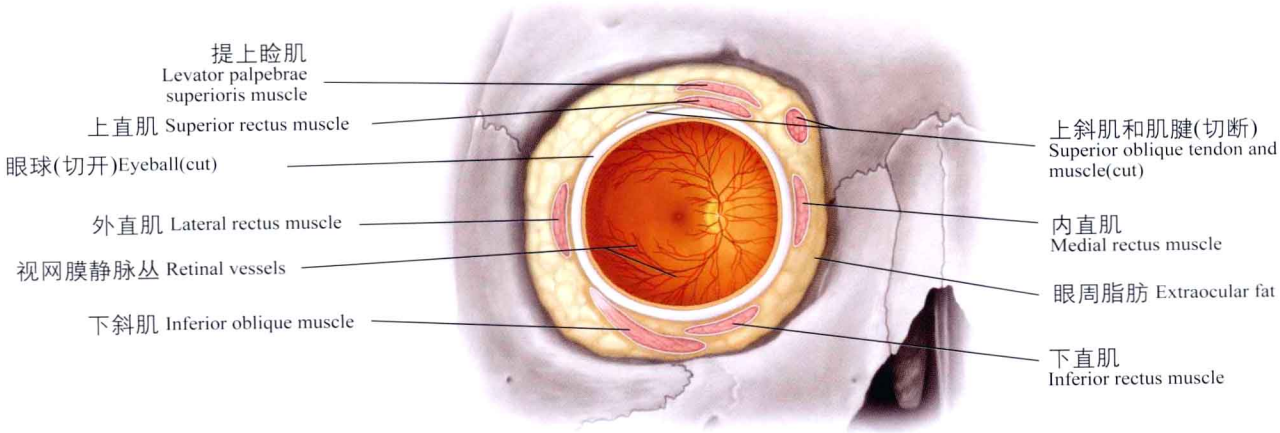
C.眼的矢状断面 Sagittal section of eye



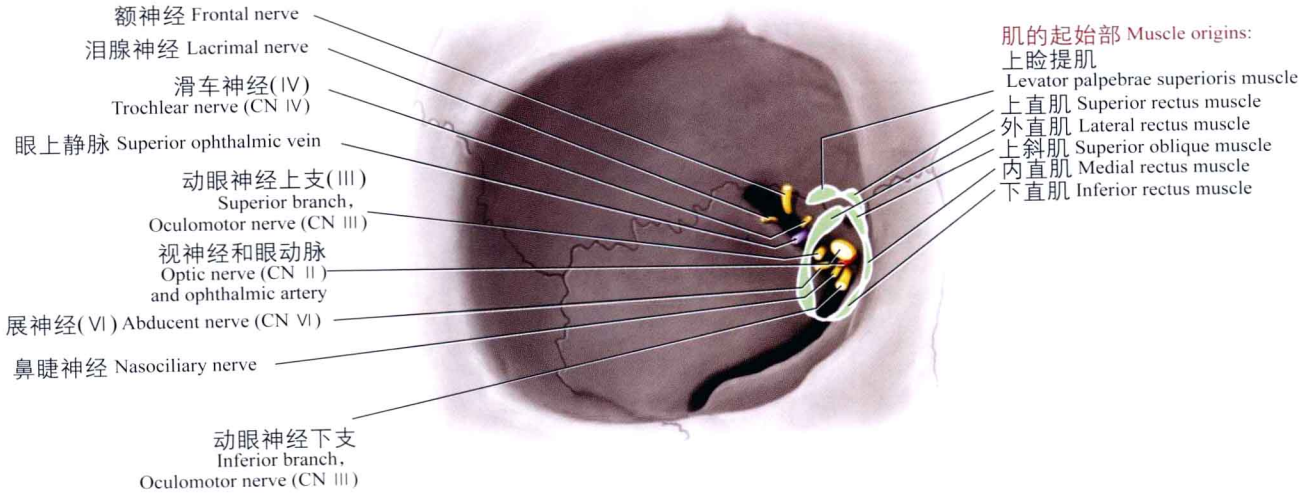
A.眼外肌 Extraocular muscles



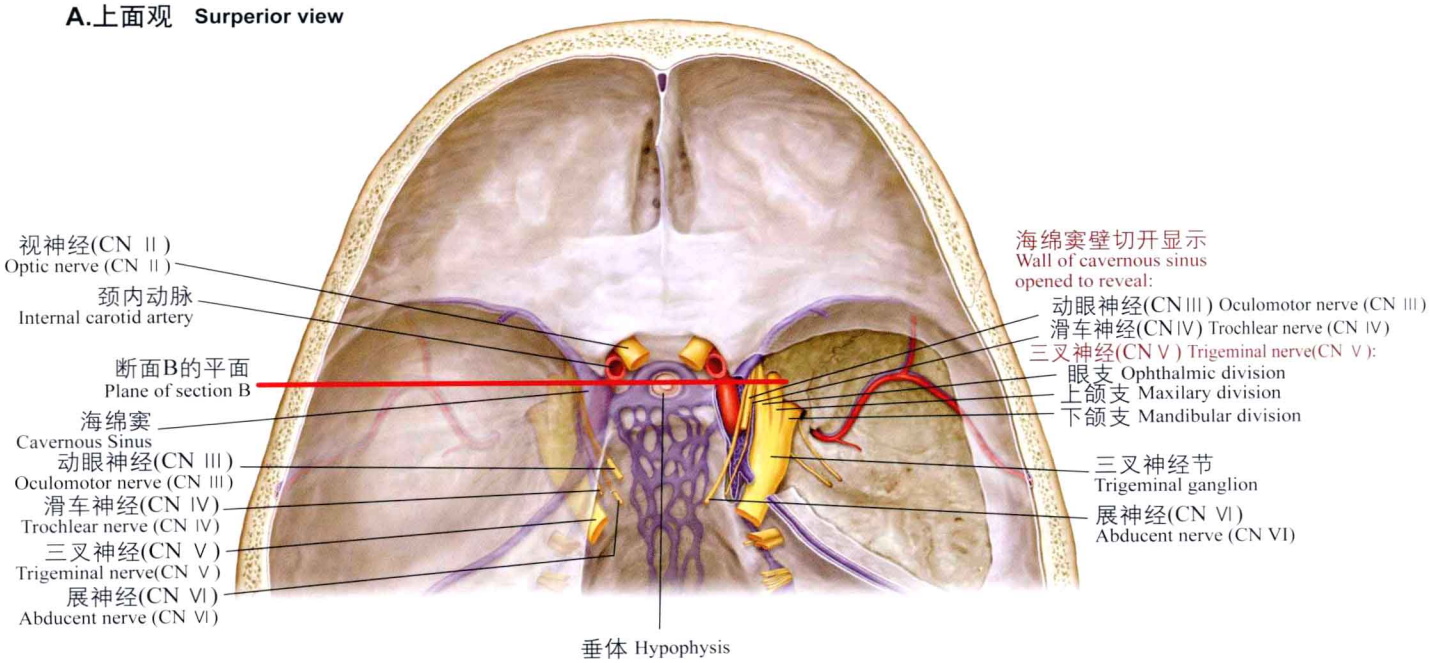
B.冠状断面 Coronal section



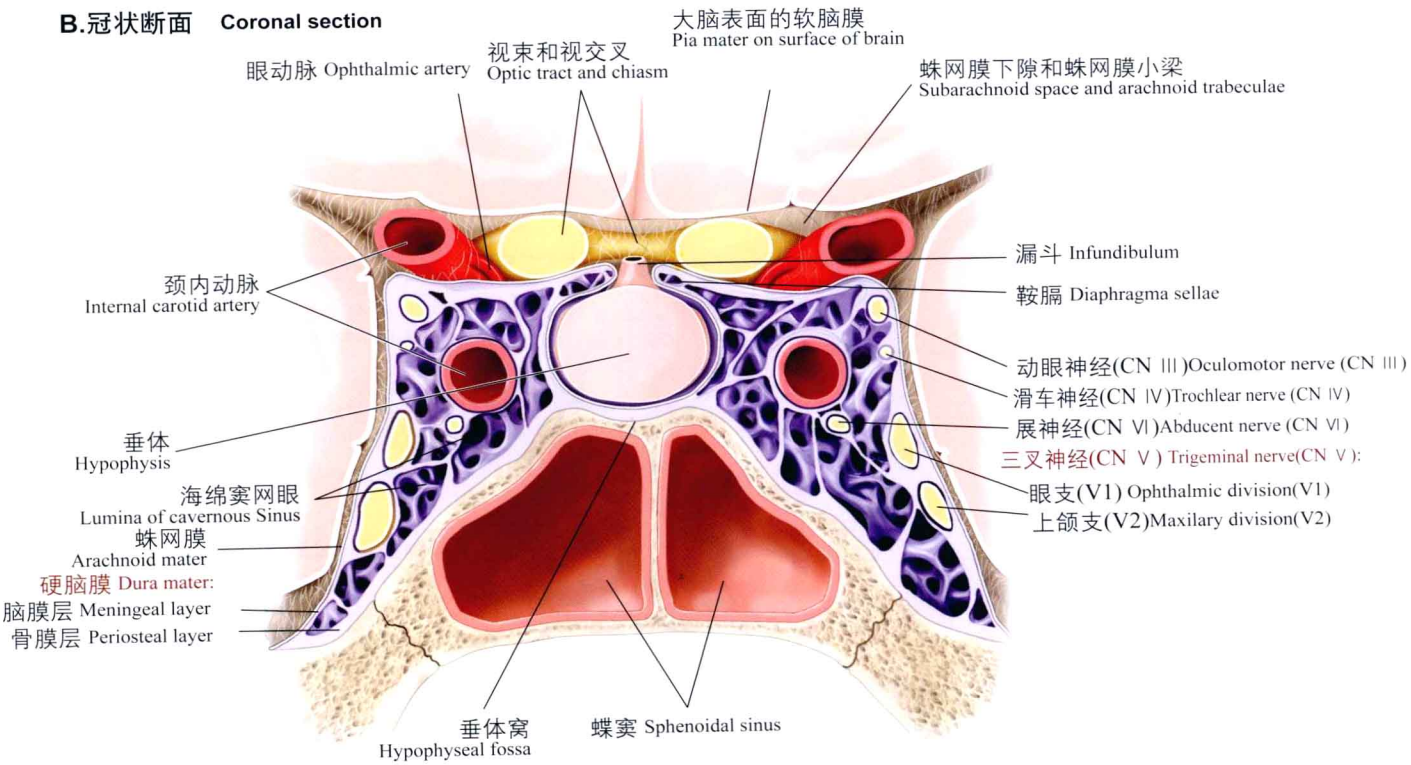
C.眶尖 Apex



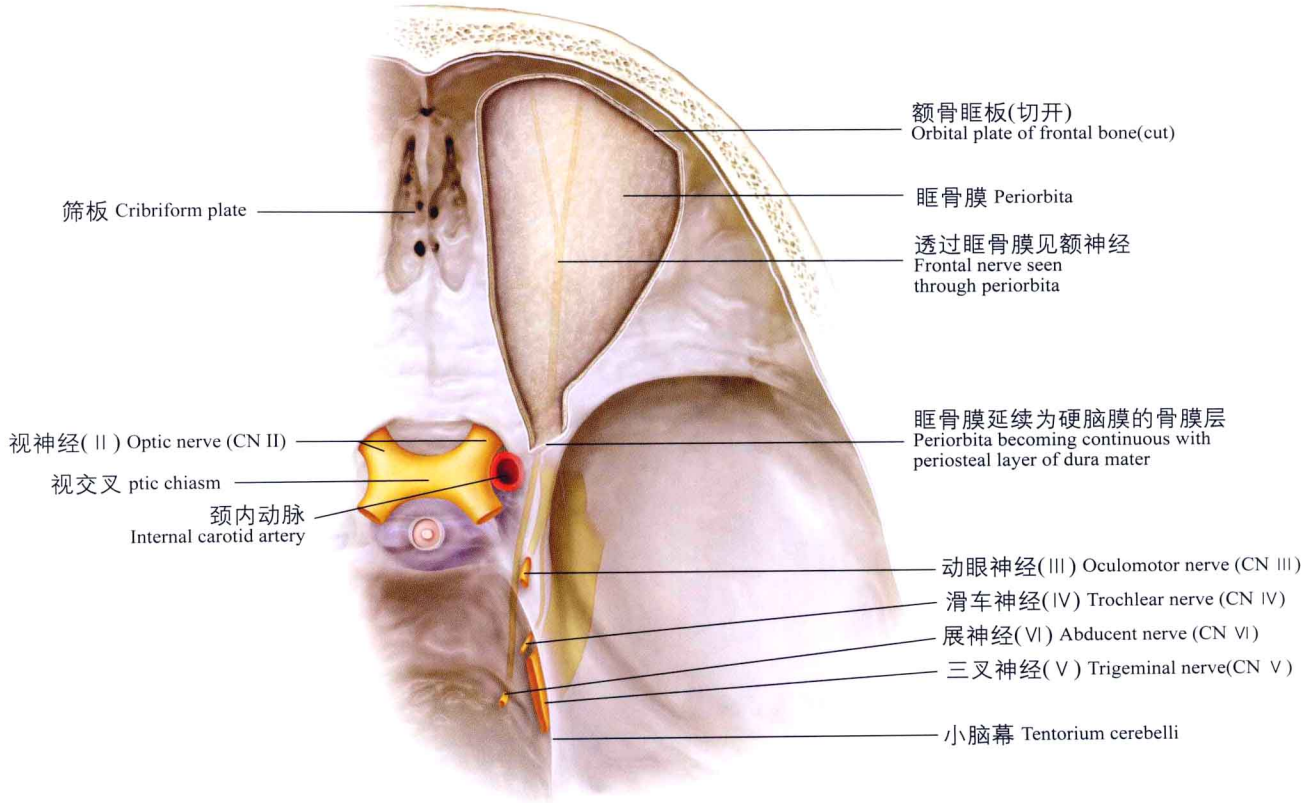
A.上面观 Surperior view



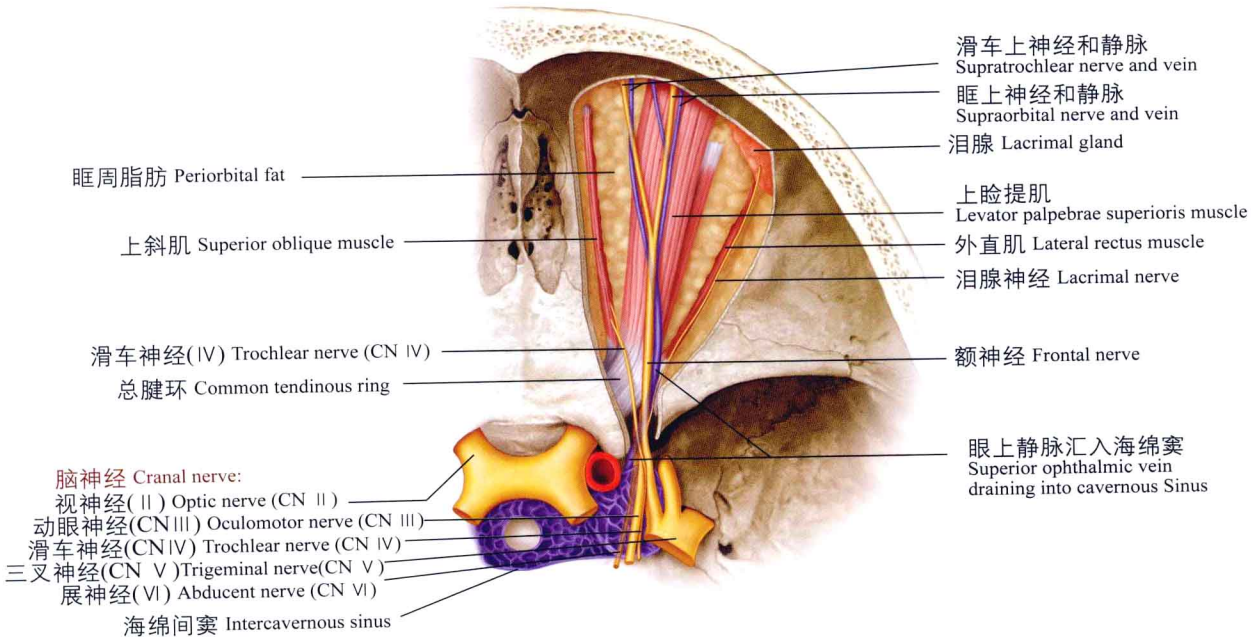
B.冠状断面 Coronal section



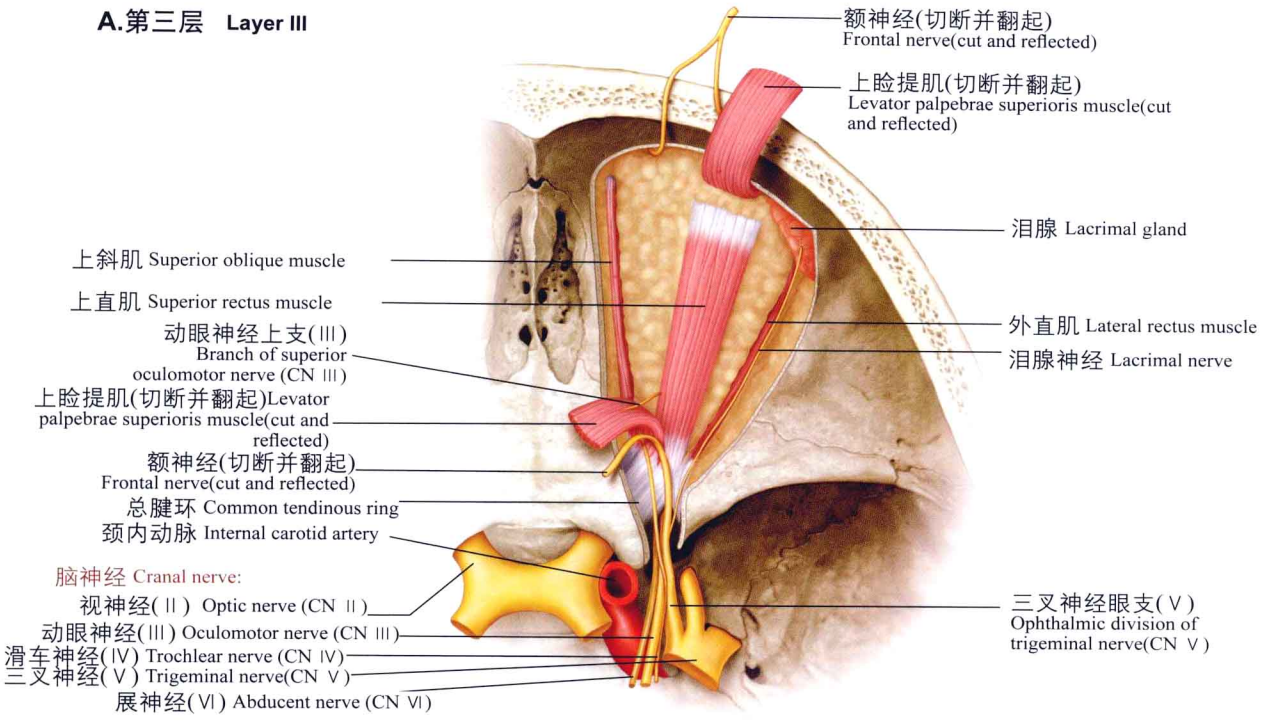
A.第一层 Layer I



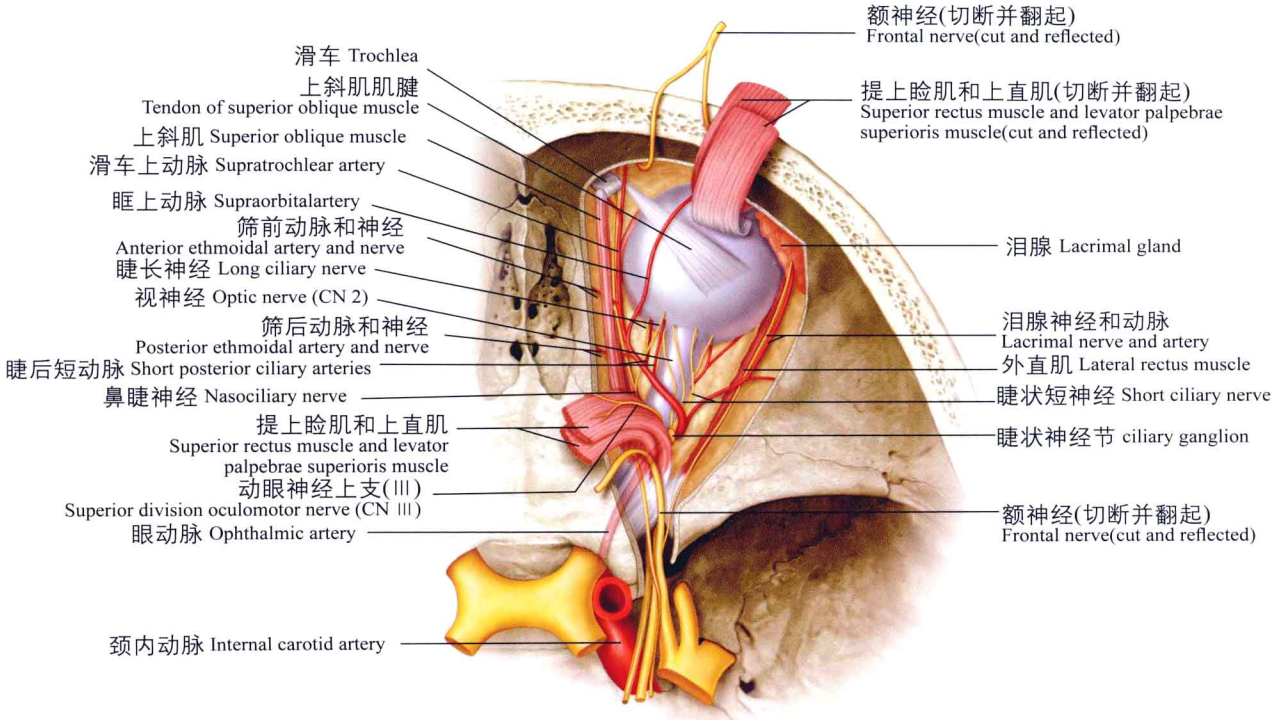
B.第二层 Layer II



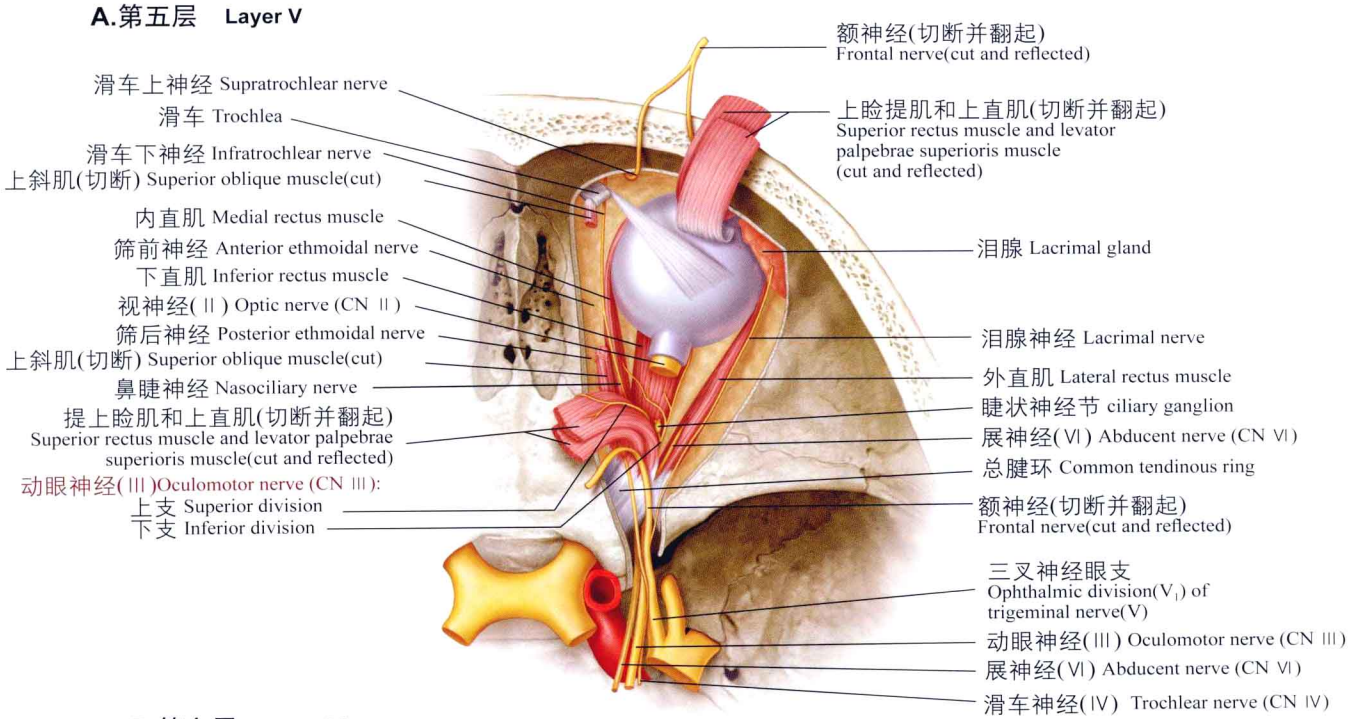
A.第三层 Layer III



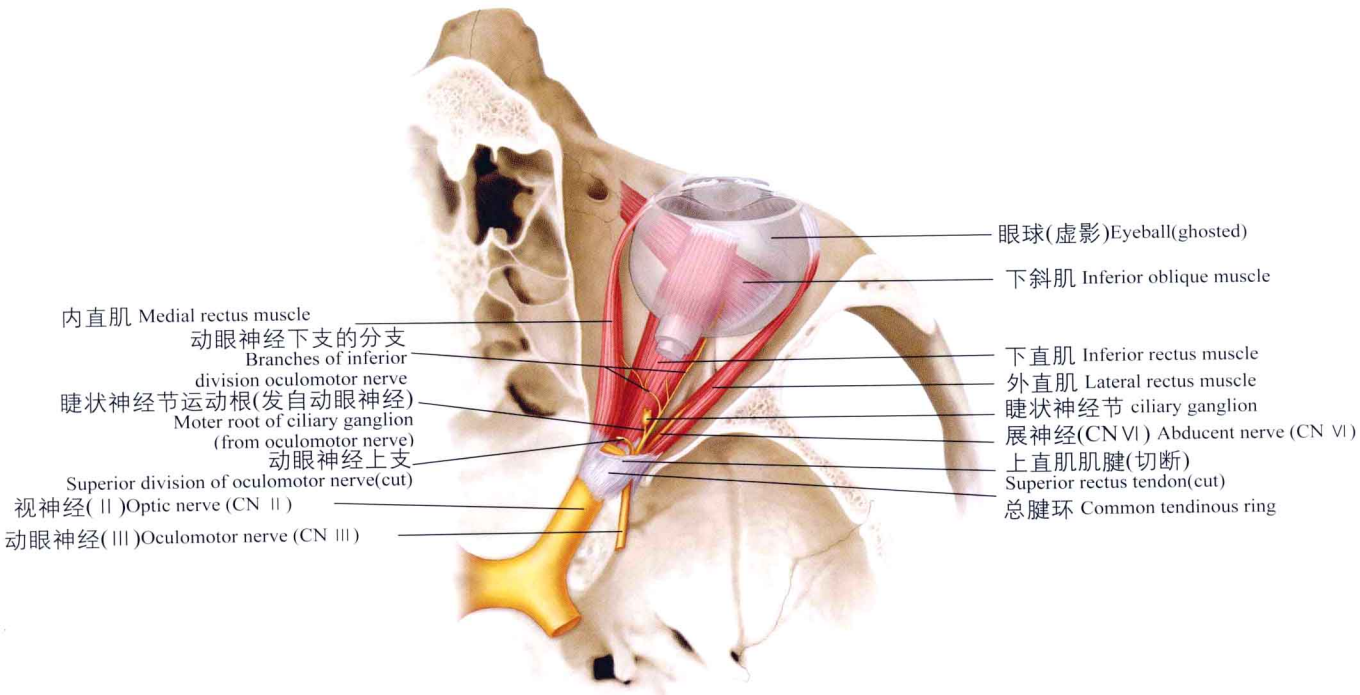
B.第四层 Layer IV



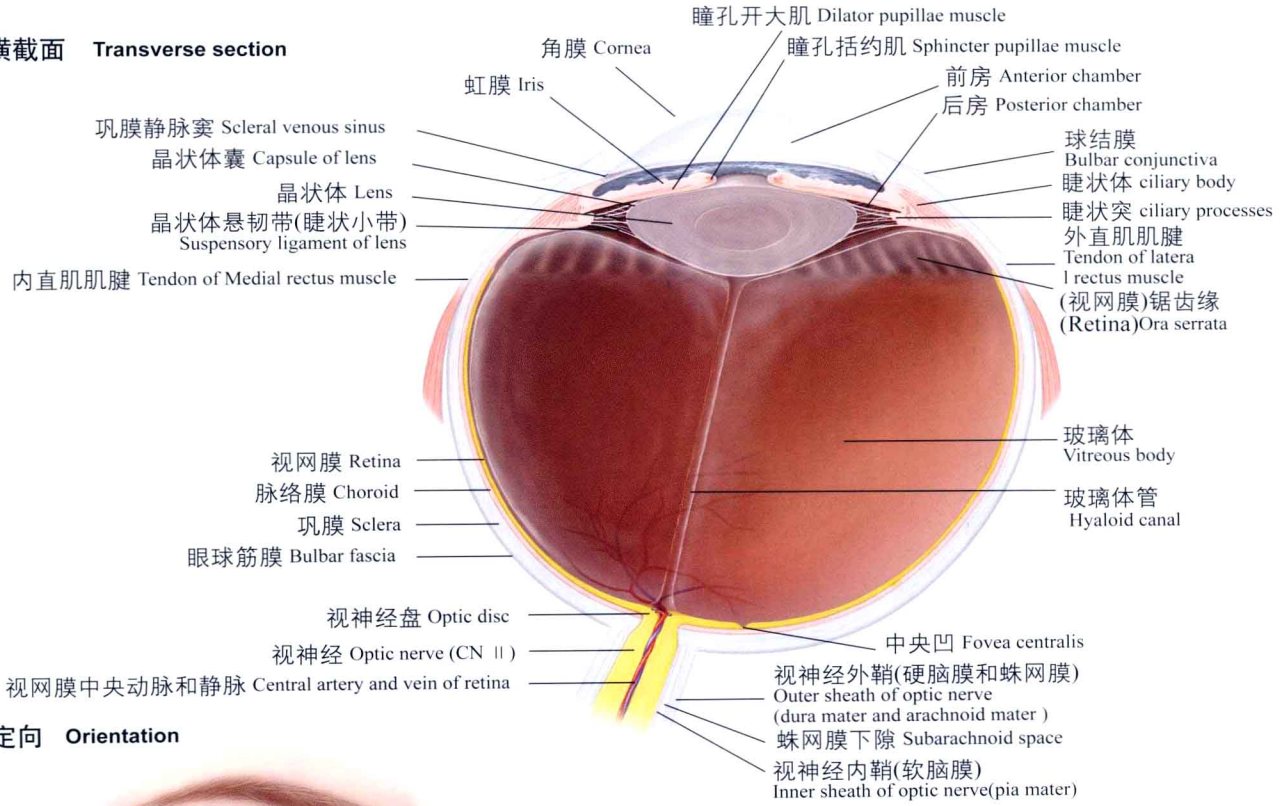
A.第五层 Layer V



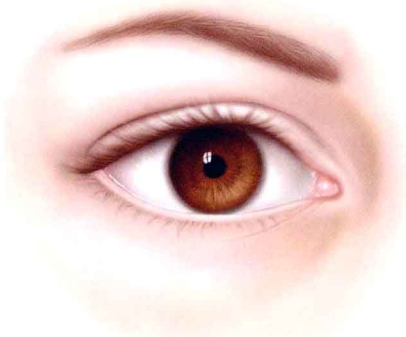
B.第六层 Layer VI



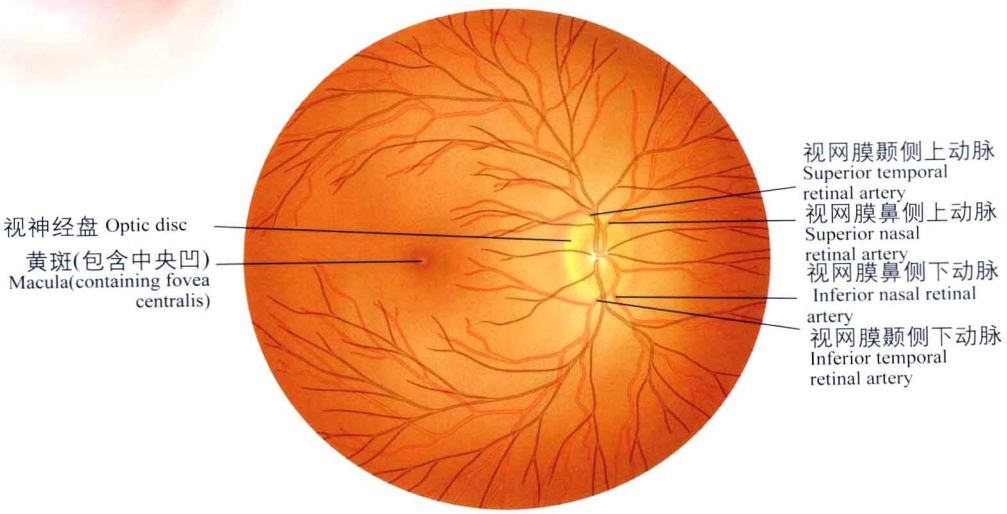
A.横截面 Transverse section

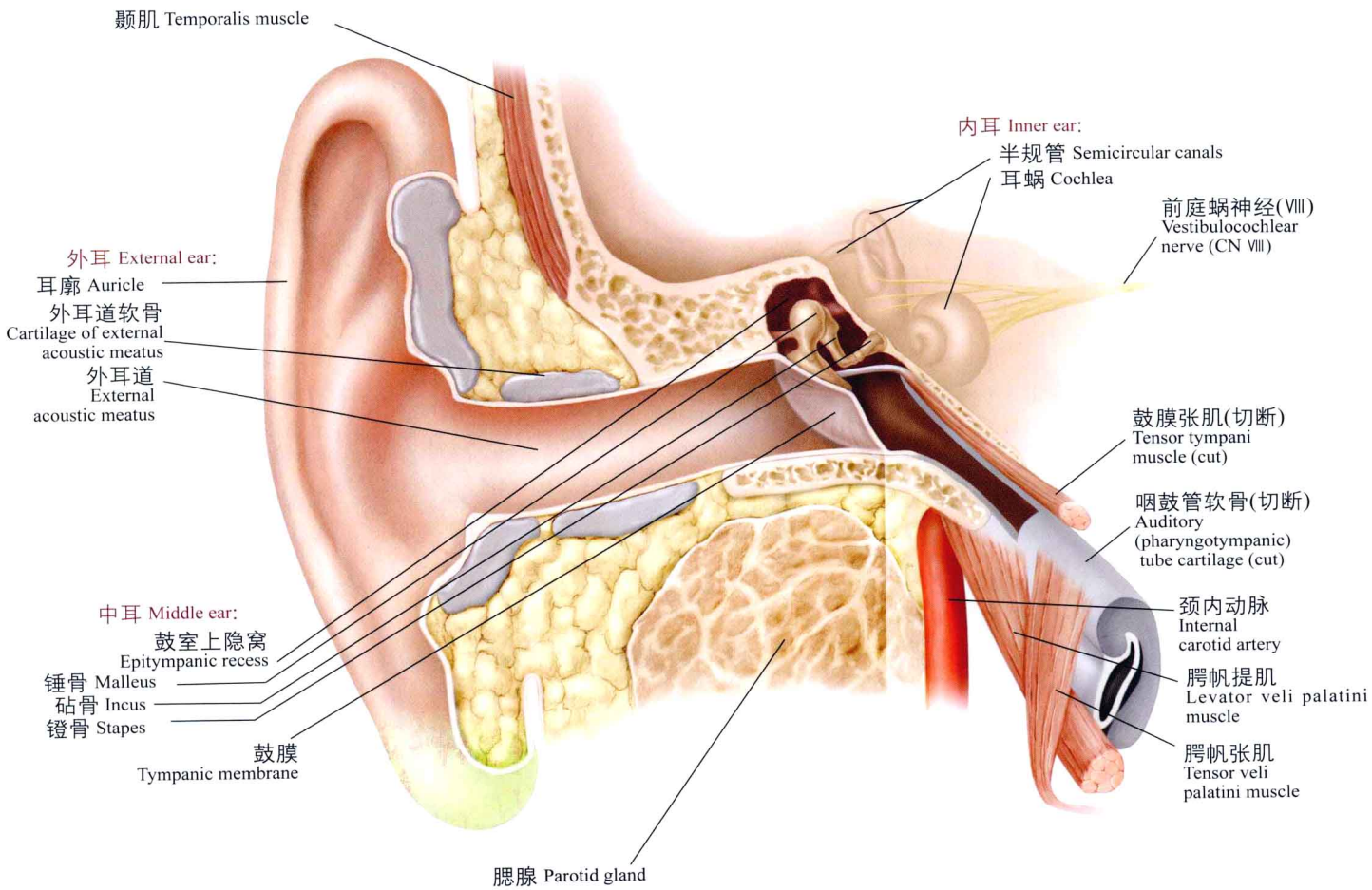


B.定向 Orientation

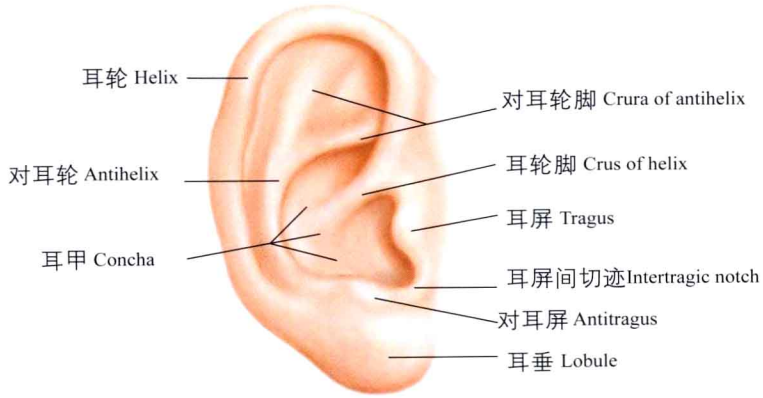


C.视网膜的血管 Vessels of the retina

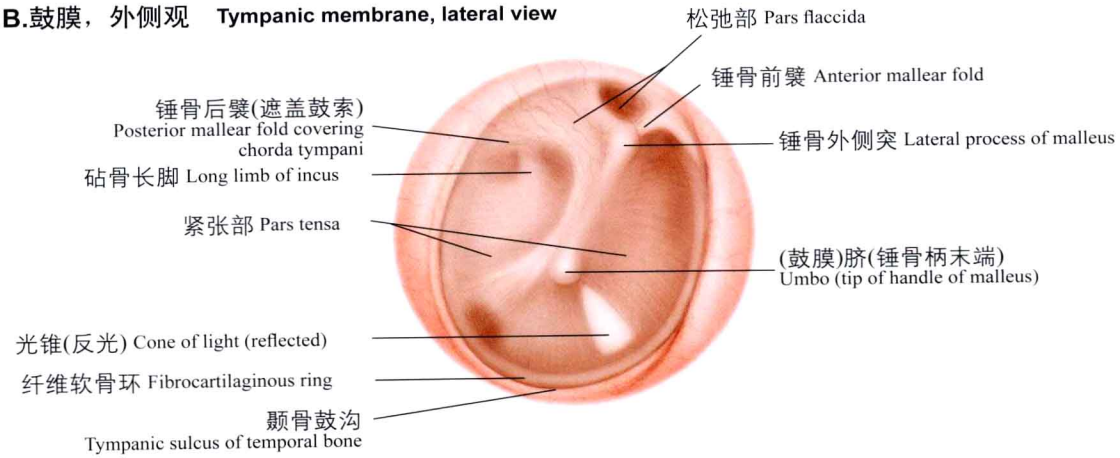



颞肌 Temporalis muscle
内耳 Inner ear:
半规管 Semicircular canals
耳蜗 Cochlea
前庭蜗神经(Ⅷ)
Vestibulocochlear nerve (CN Ⅷ)
外耳 External ear:
耳廓 Auricle
外耳道软骨
Cartilage of external acoustic meatus
外耳道
External acoustic meatus
鼓膜张肌(切断)
Tensor tympani muscle (cut)
咽鼓管软骨(切断)
Auditory (pharyngotympanic) tube cartilage (cut)
中耳 Middle ear:
鼓室上隐窝
Epitympanic recess
锤骨 Malleus
砧骨 Incus
镫骨 Stapes
鼓膜
Tympanic membrane
颈内动脉
Internal carotid artery
腭帆提肌
Levator veli palatini muscle
腭帆张肌
Tensor veli palatini muscle
腮腺 Parotid gland

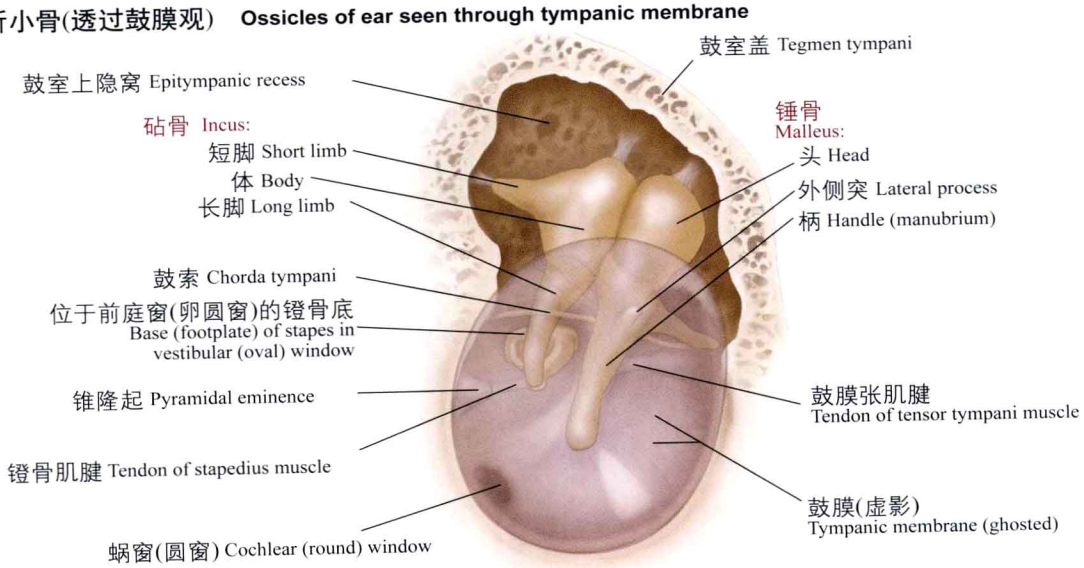
A.耳廓 Auricle



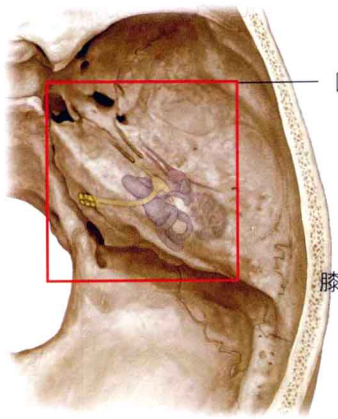
B.鼓膜，外侧观 Tympanic membrane, lateral view



C.听小骨(透过鼓膜观) Ossicles of ear seen through tympanic membrane

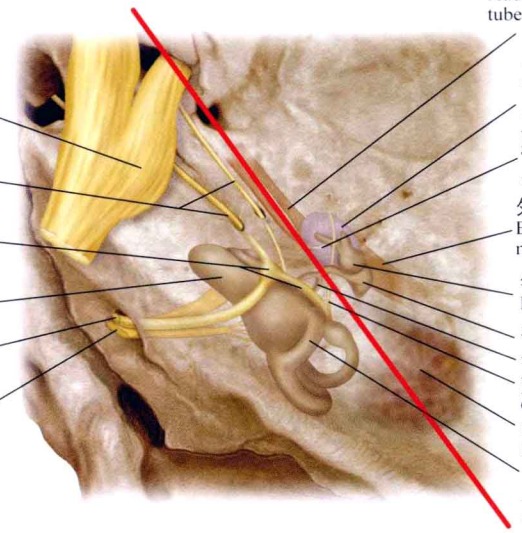


A.定位 Orientation



图B Figure B

B.右耳，上面观 Right ear, superior view



三叉神经节
Trigeminal ganglion

岩大神经和岩小神经
Greater and lesser petrosal nerves

膝神经节和面神经(虚影)
Geniculate ganglion and facial nerve (ghosted)

耳蜗(虚影)
Cochlea (ghosted)

面神经(Ⅶ)
Facial nerve (CN Ⅶ)

前庭蜗神经(Ⅷ)
Vestibulocochlear nerve (CN Ⅷ)

咽鼓管(虚影)
Auditory (pharyngotympanic) tube (ghosted)

鼓膜(虚影)
Tympanic membrane (ghosted)

鼓膜张肌腱(虚影)
Tendon of tensor tympani muscle (ghosted)

外耳道(虚影)
External auditory meatus (ghosted)

锤骨头(虚影)
Head of malleus (ghosted)

砧骨(虚影) Incus (ghosted)

镫骨(虚影) Stapes (ghosted)

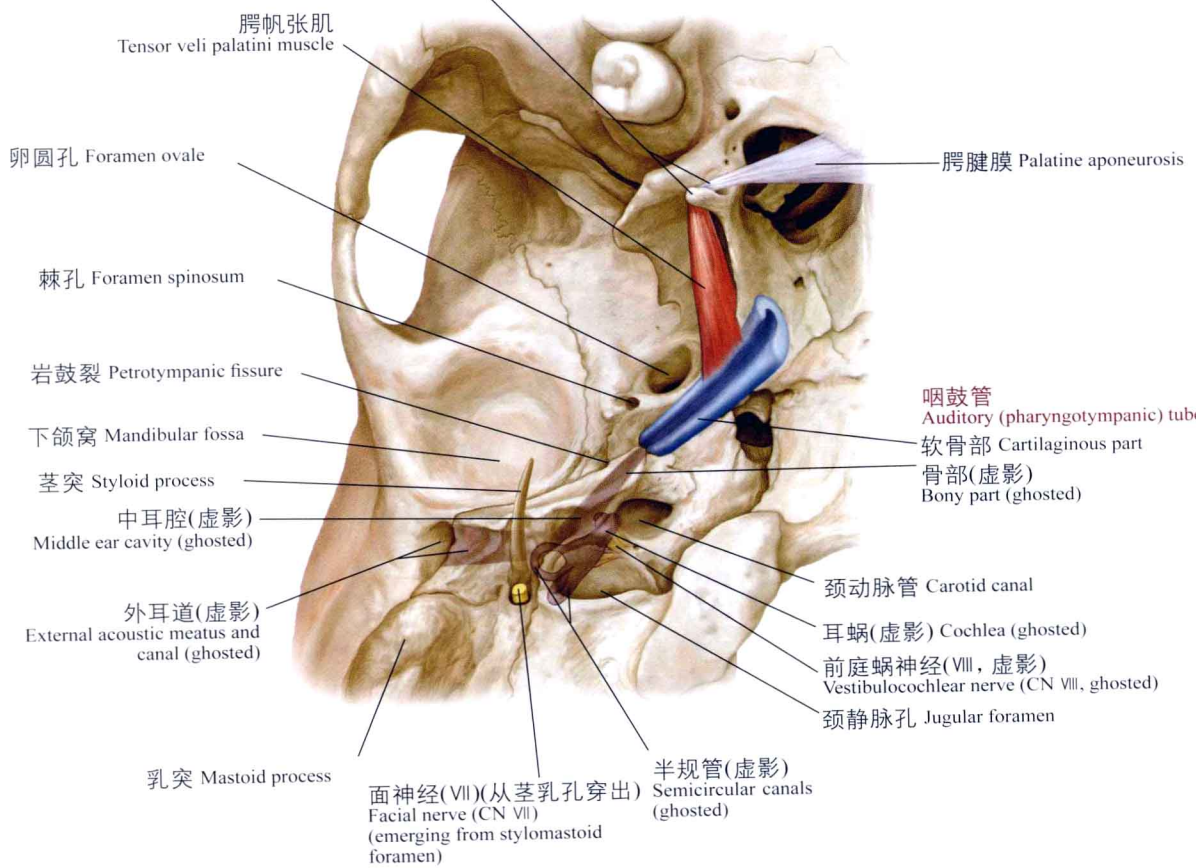
鼓索(虚影)
Chorda tympani (ghosted)

乳突窦(虚影)
Mastoid antrum (ghosted)

前半规管(虚影)
Anterior semicircular canal (ghosted)

图7-68所示的断面的平面
Plane of section for plate 7-68

C.右耳，下面观 Right ear, inferior view



翼钩和腭帆张肌腱
Pterygoid hamulus and tendon of tensor veli palatine

腭帆张肌
Tensor veli palatini muscle

卵圆孔 Foramen ovale

棘孔 Foramen spinosum

岩鼓裂 Petrotympanic fissure

下颌窝 Mandibular fossa

茎突 Styloid process

中耳腔(虚影)
Middle ear cavity (ghosted)

外耳道(虚影)
External acoustic meatus and canal (ghosted)

乳突 Mastoid process

面神经(Ⅶ)(从茎乳孔穿出)
Facial nerve (CN Ⅶ) (emerging from stylomastoid foramen)

半规管(虚影)
Semicircular canals (ghosted)

腭腱膜 Palatine aponeurosis

咽鼓管
Auditory (pharyngotympanic) tube:

软骨部 Cartilaginous part

骨部(虚影)
Bony part (ghosted)

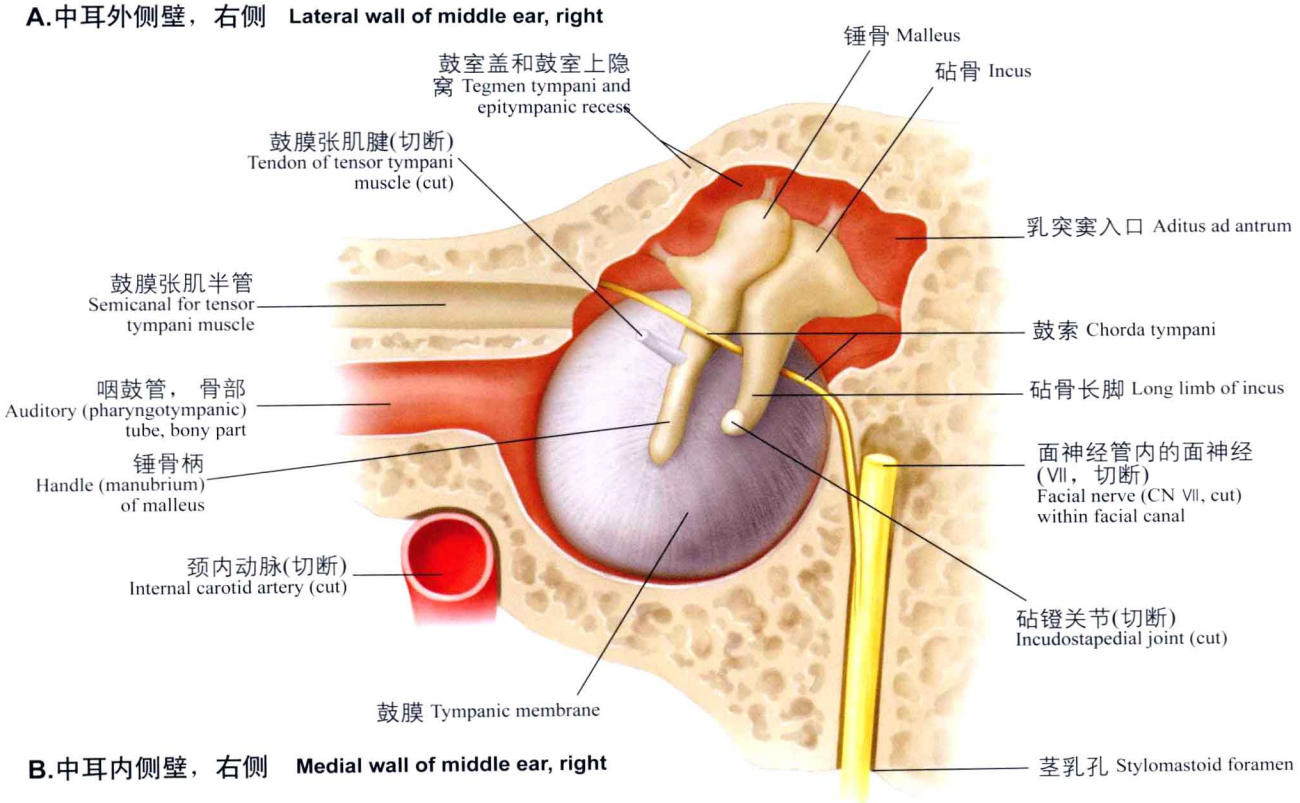
颈动脉管 Carotid canal

耳蜗(虚影) Cochlea (ghosted)

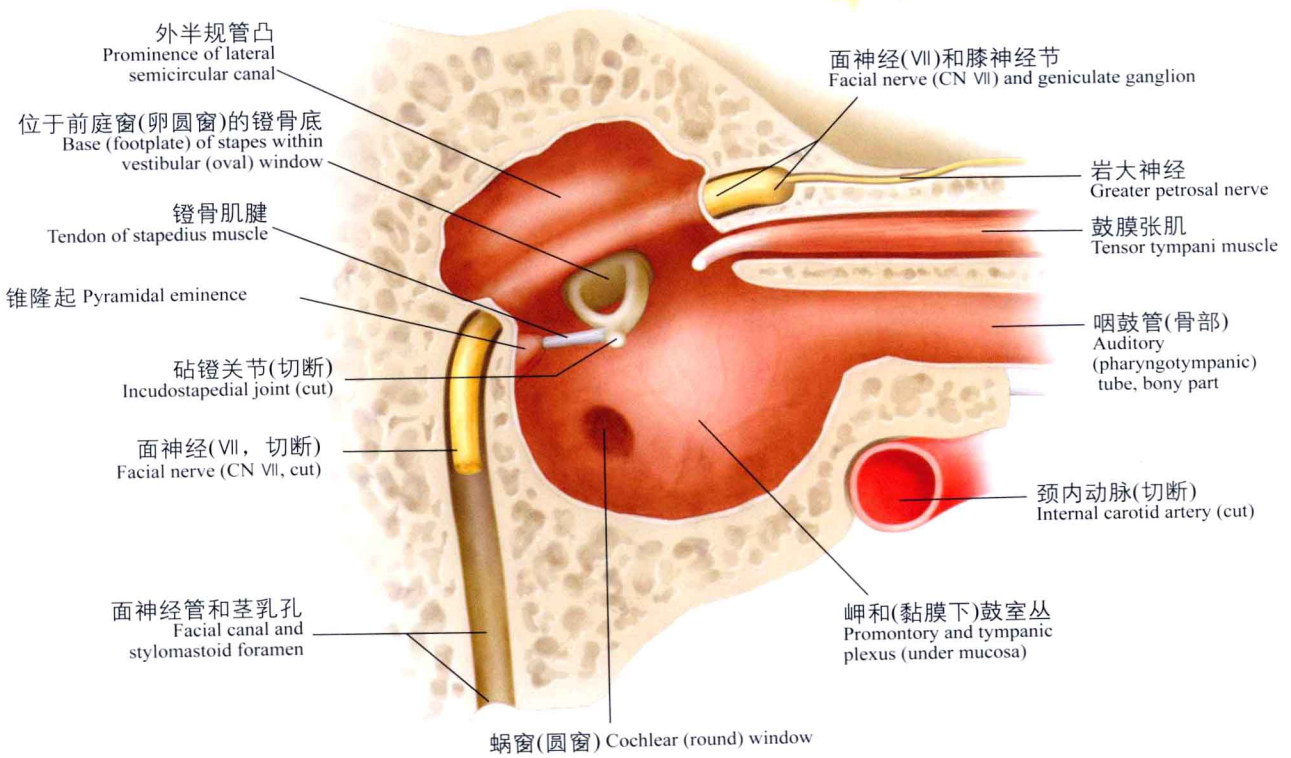
前庭蜗神经(Ⅷ，虚影)
Vestibulocochlear nerve (CN Ⅷ, ghosted)

颈静脉孔 Jugular foramen

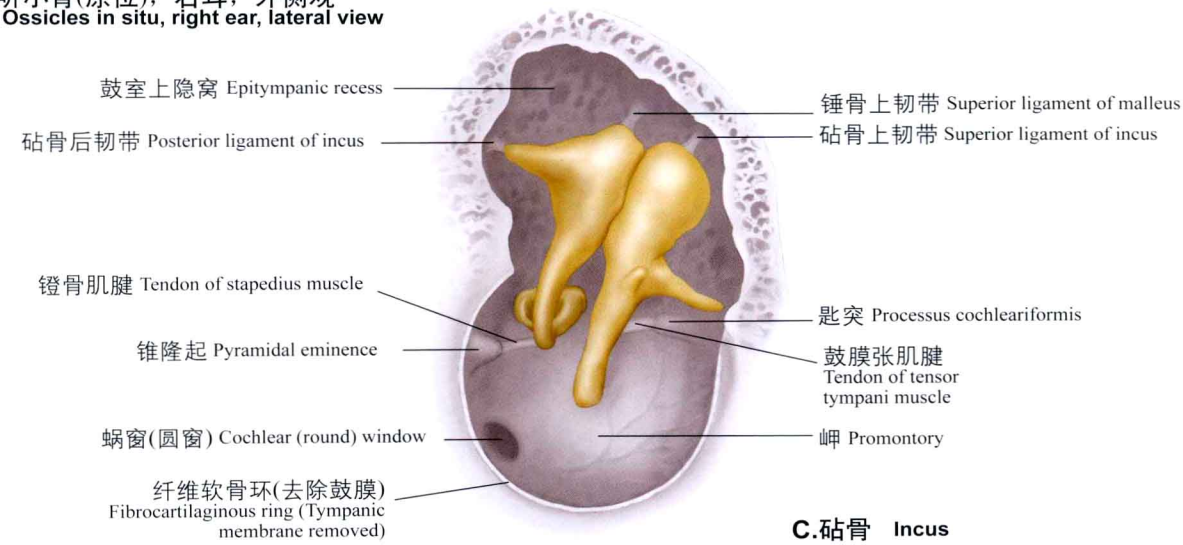
A.中耳外侧壁，右侧 Lateral wall of middle ear, right



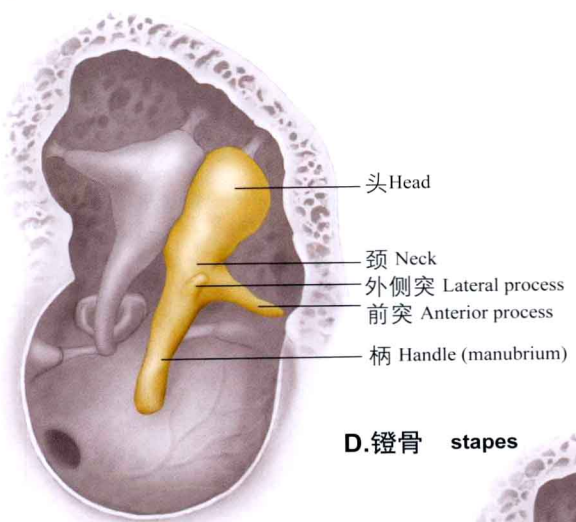
B.中耳内侧壁，右侧 Medial wall of middle ear, right



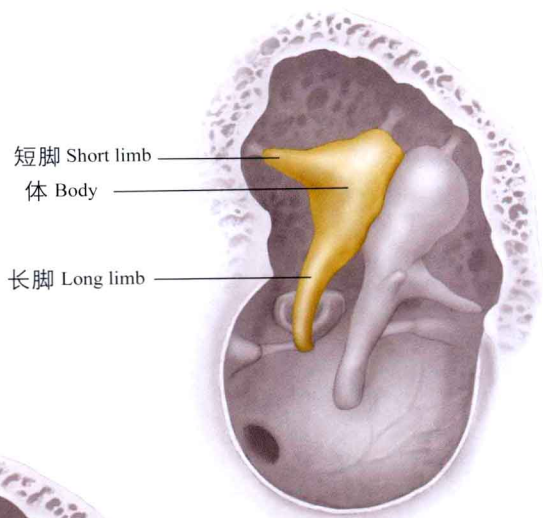
A.听小骨(原位)，右耳，外侧观
Ossicles in situ, right ear, lateral view



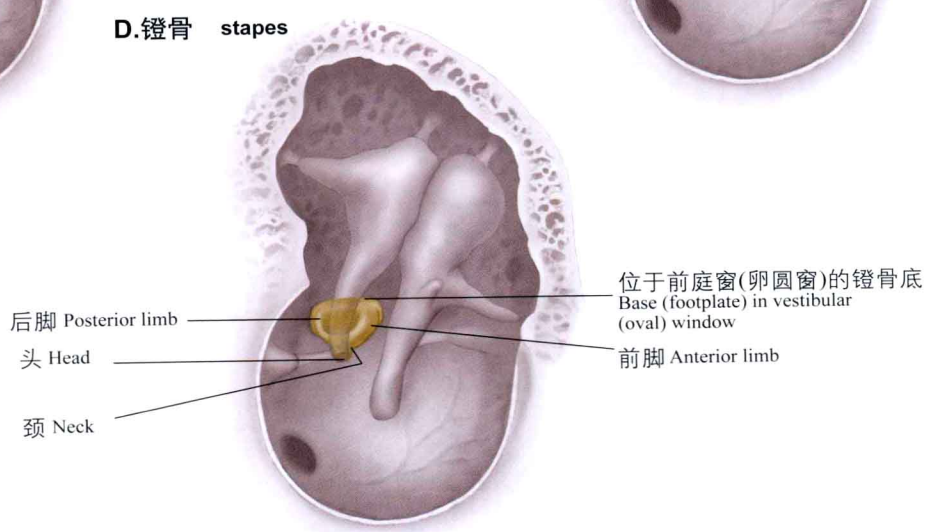
B.锤骨 Malleus



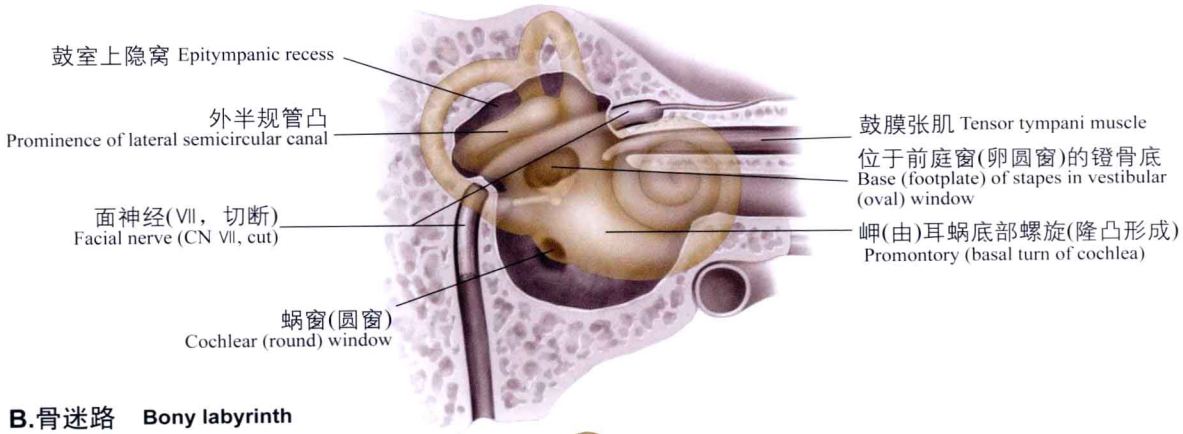
C.砧骨 Incus



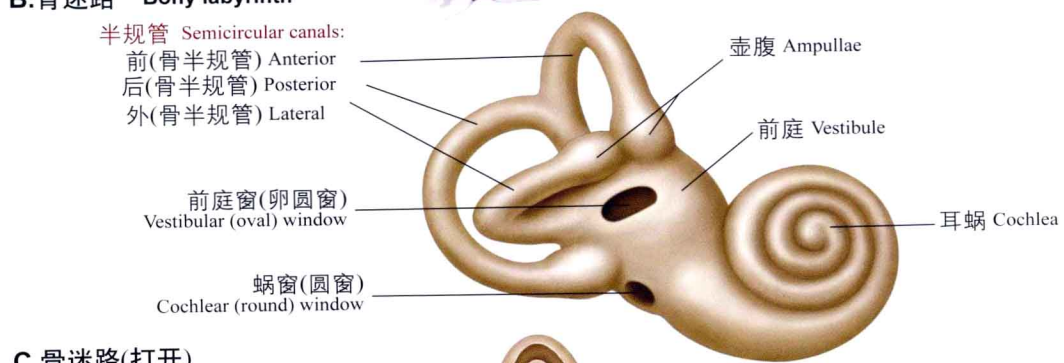
D.镫骨 stapes



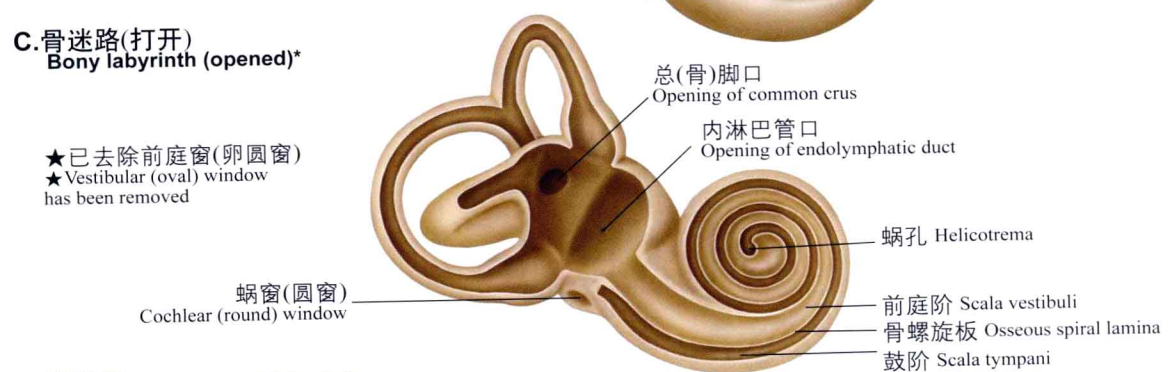
A.定位，右耳，外侧观 Orientation, right ear, lateral view



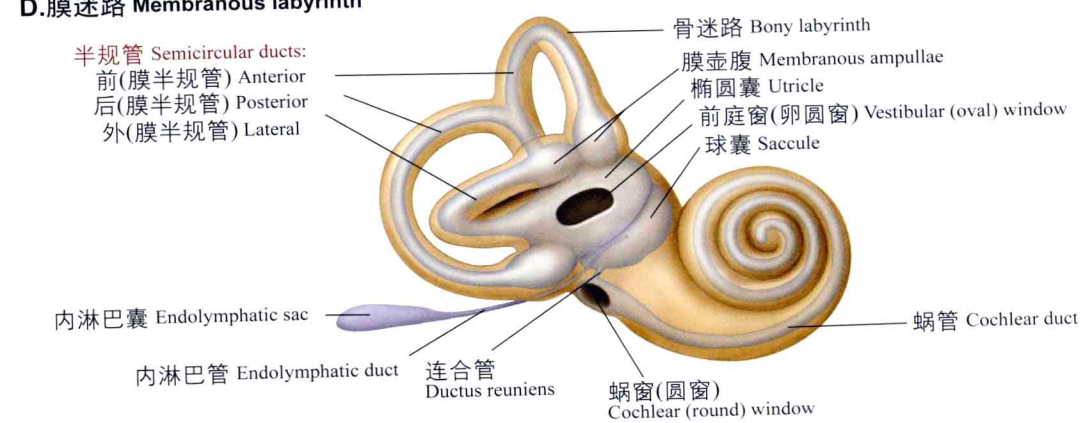
B.骨迷路 Bony labyrinth

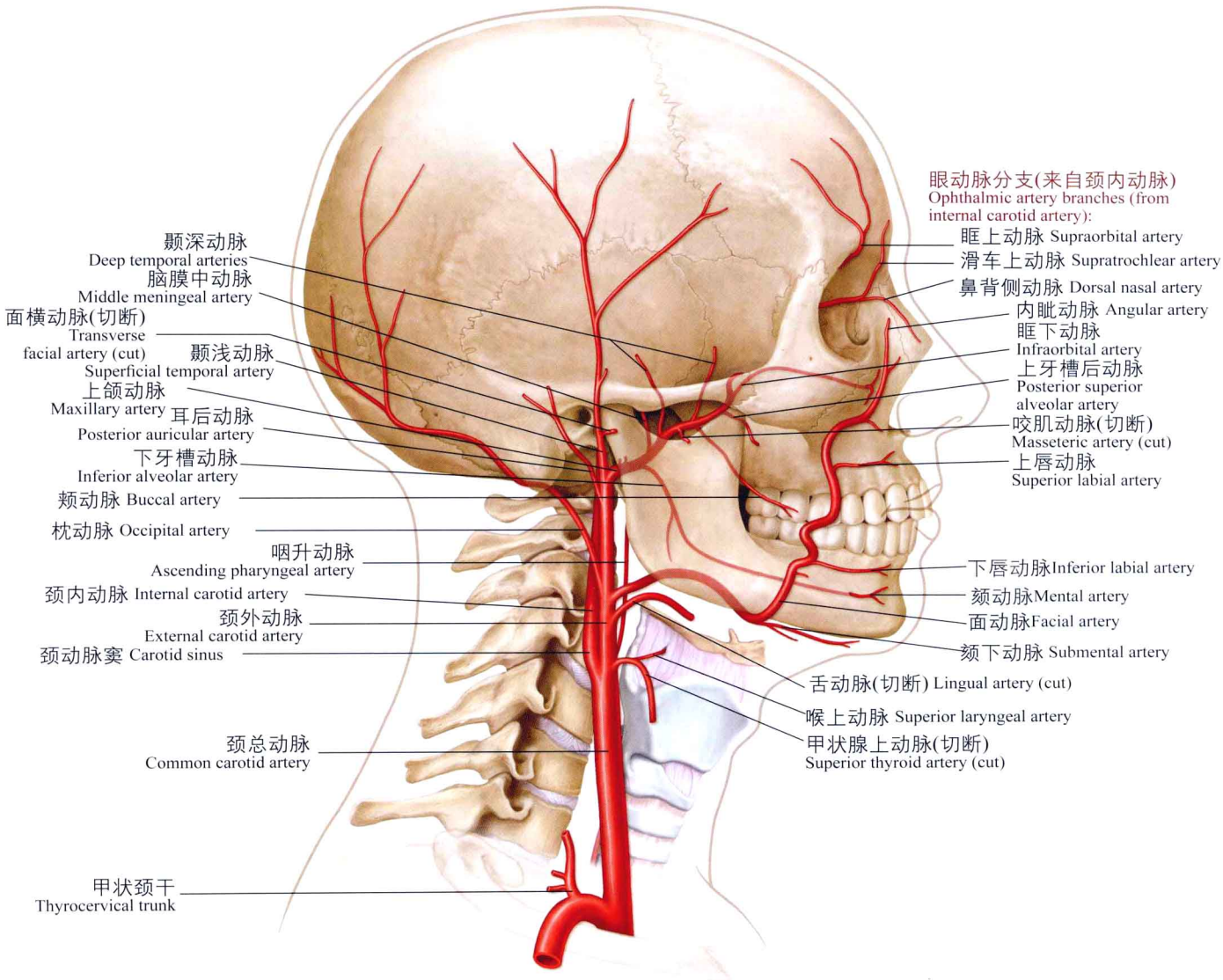


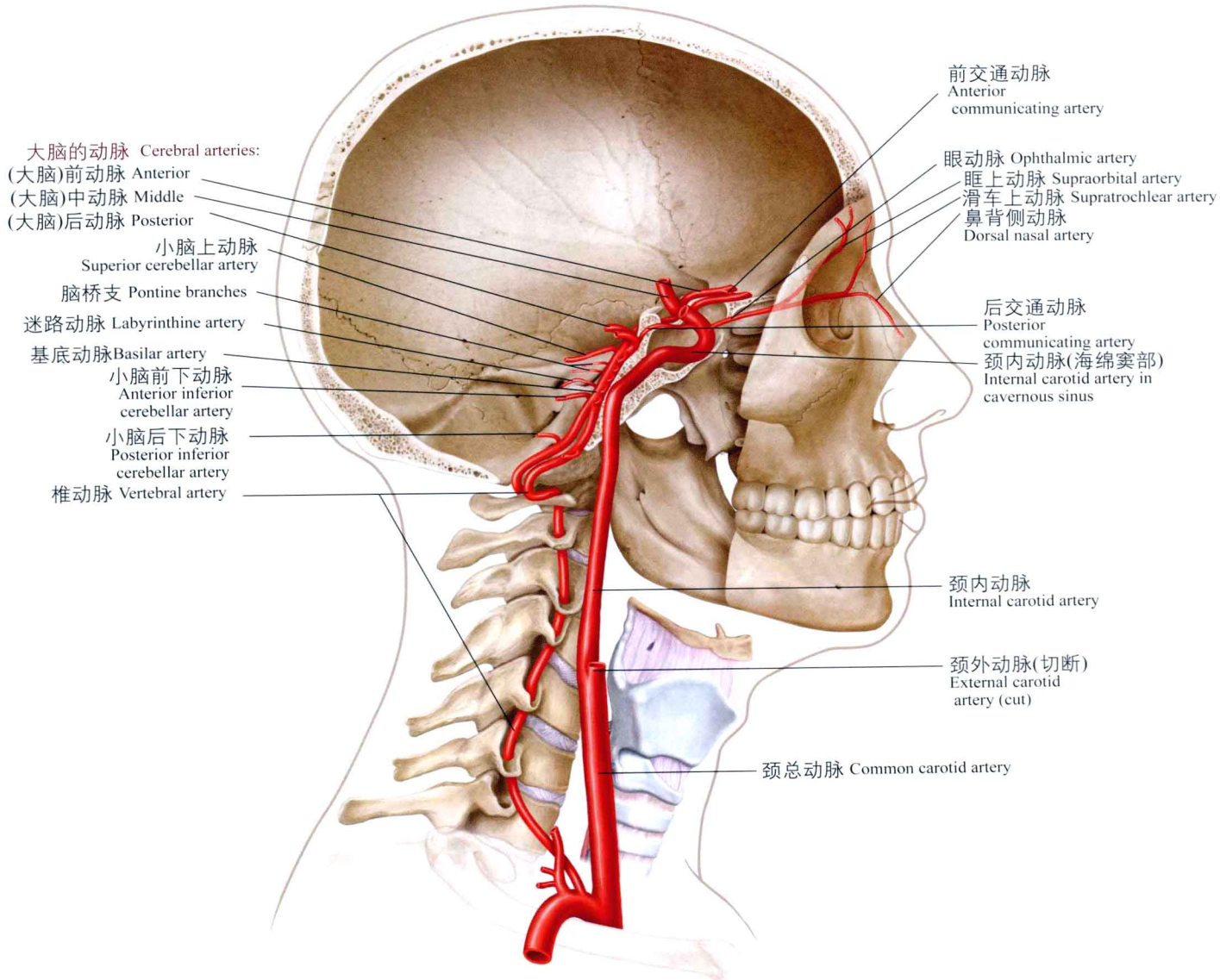
C.骨迷路(打开) Bony labyrinth (opened)*

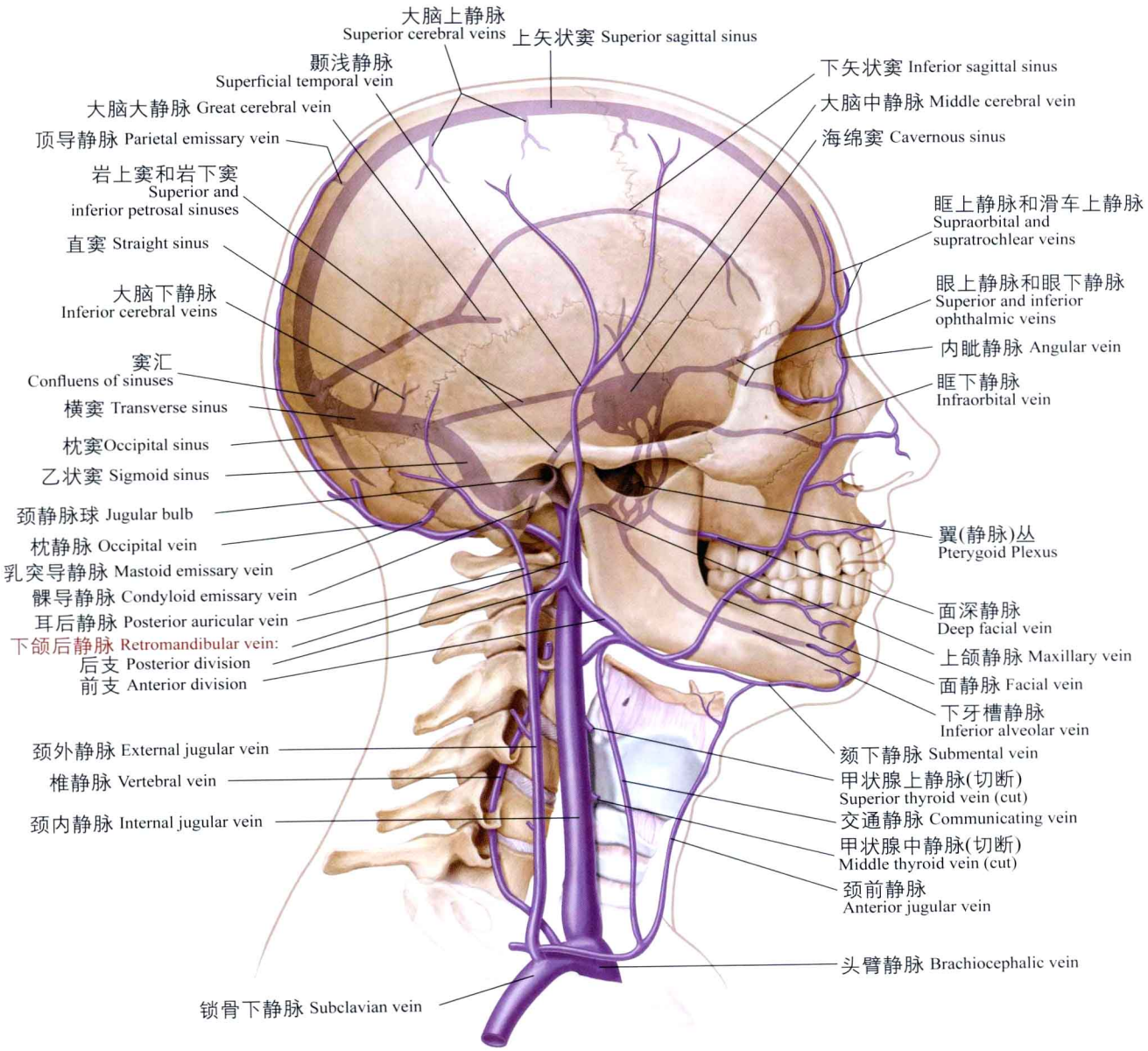


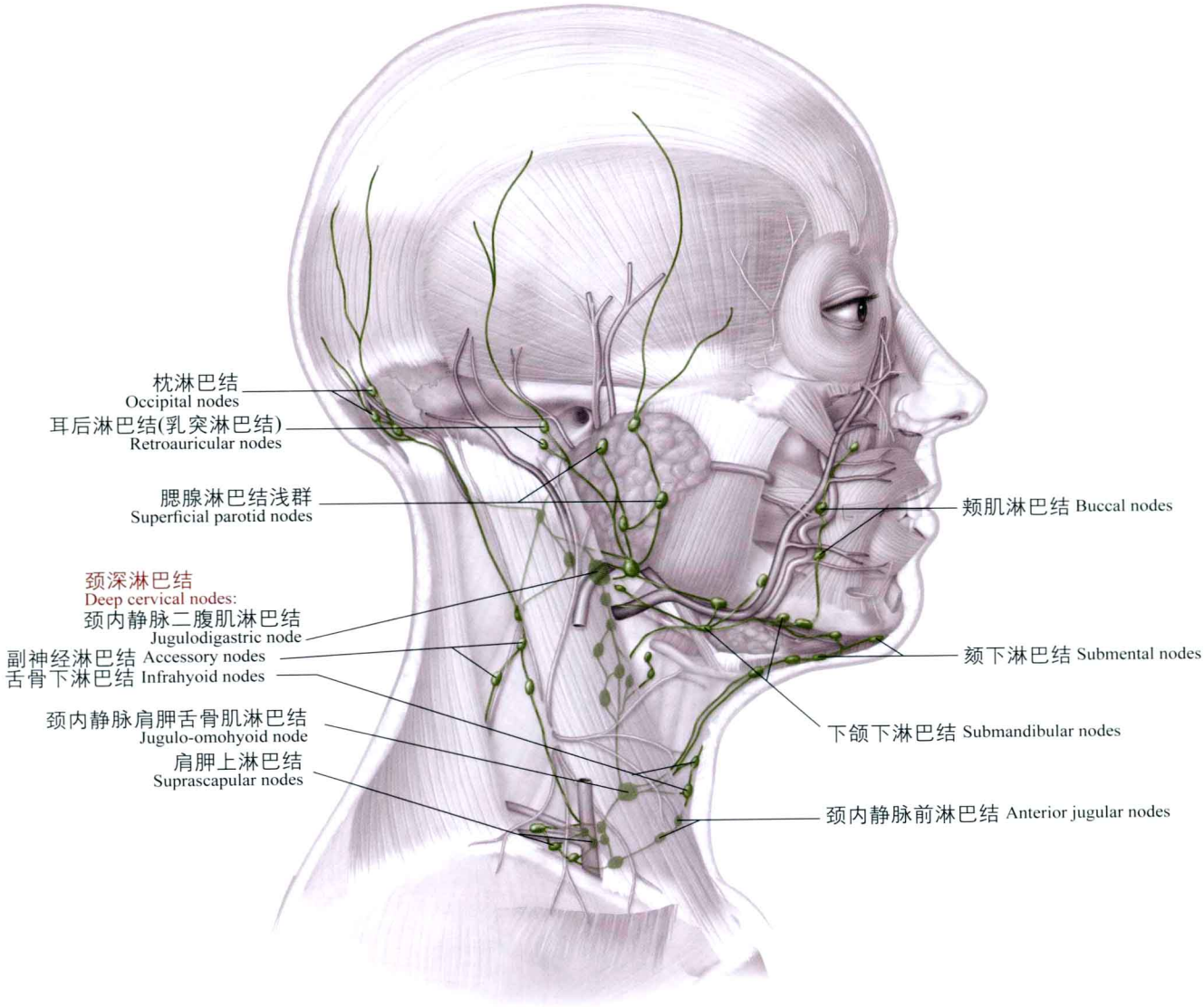
D.膜迷路 Membranous labyrinth

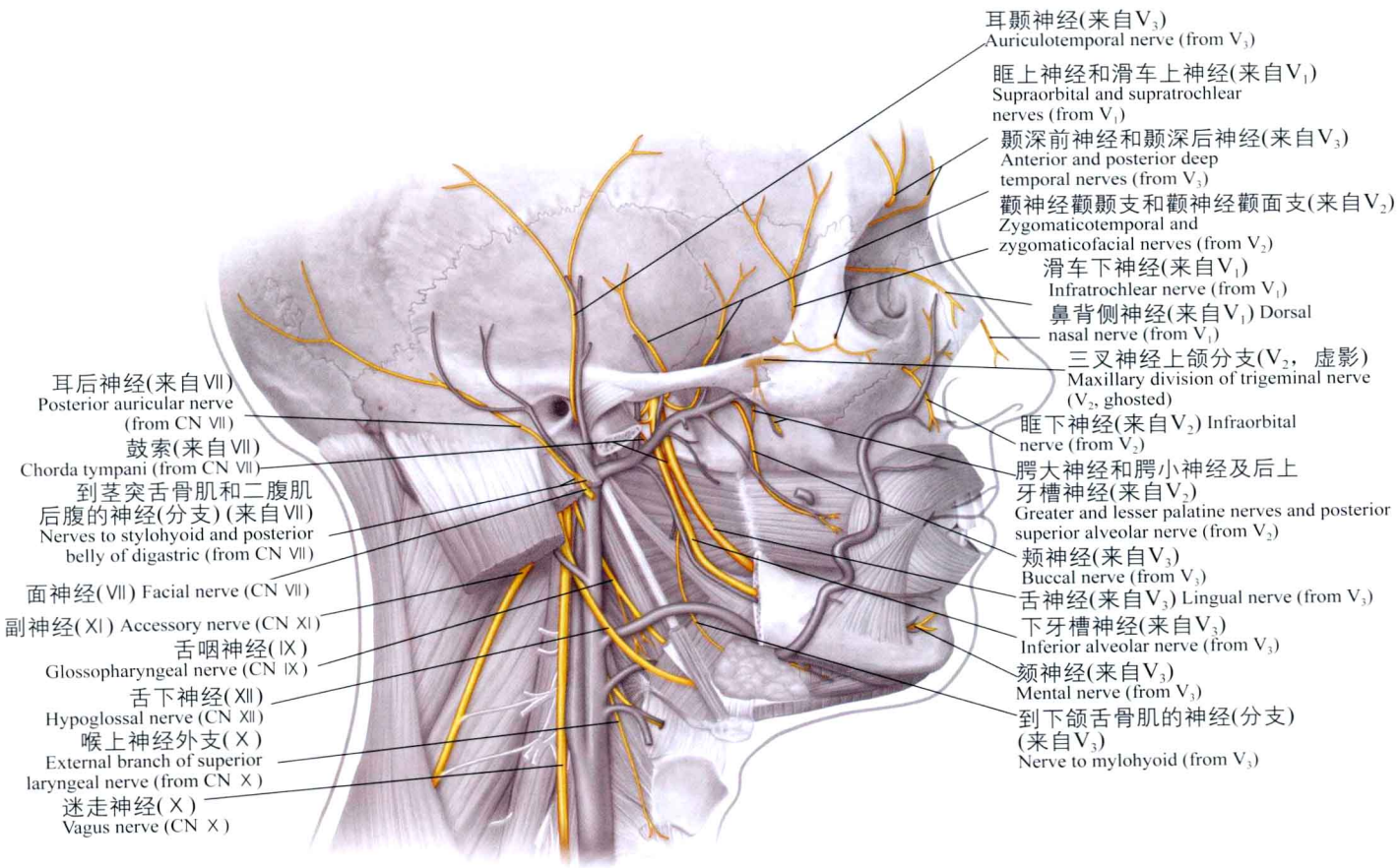



眼动脉分支(来自颈内动脉)
Ophthalmic artery branches (from internal carotid artery):
眶上动脉 Supraorbital artery
滑车上动脉 Supratrochlear artery
鼻背侧动脉 Dorsal nasal artery
内眦动脉 Angular artery
眶下动脉 Infraorbital artery
上牙槽后动脉 Posterior superior alveolar artery
咬肌动脉(切断) Masseteric artery (cut)
上唇动脉 Superior labial artery
下唇动脉 Inferior labial artery
颏动脉 Mental artery
面动脉 Facial artery
颏下动脉 Submental artery
舌动脉(切断) Lingual artery (cut)
喉上动脉 Superior laryngeal artery
甲状腺上动脉(切断) Superior thyroid artery (cut)
颞深动脉 Deep temporal arteries
脑膜中动脉 Middle meningeal artery
面横动脉(切断) Transverse facial artery (cut)
颞浅动脉 Superficial temporal artery
上颌动脉 Maxillary artery
耳后动脉 Posterior auricular artery
下牙槽动脉 Inferior alveolar artery
颊动脉 Buccal artery
枕动脉 Occipital artery
咽升动脉 Ascending pharyngeal artery
颈内动脉 Internal carotid artery
颈外动脉 External carotid artery
颈动脉窦 Carotid sinus
颈总动脉 Common carotid artery
甲状颈干 Thyrocervical trunk


大脑的动脉 Cerebral arteries:
(大脑)前动脉 Anterior
(大脑)中动脉 Middle
(大脑)后动脉 Posterior
小脑上动脉
Superior cerebellar artery
脑桥支 Pontine branches
迷路动脉 Labyrinthine artery
基底动脉Basilar artery
小脑前下动脉
Anterior inferior cerebellar artery
小脑后下动脉
Posterior inferior cerebellar artery
椎动脉 Vertebral artery
前交通动脉
Anterior communicating artery
眼动脉 Ophthalmic artery
眶上动脉 Supraorbital artery
滑车上动脉 Supratrochlear artery
鼻背侧动脉
Dorsal nasal artery
后交通动脉
Posterior communicating artery
颈内动脉(海绵窦部)
Internal carotid artery in cavernous sinus
颈内动脉
Internal carotid artery
颈外动脉(切断)
External carotid artery (cut)
颈总动脉 Common carotid artery


大脑上静脉
Superior cerebral veins
上矢状窦 Superior sagittal sinus
颞浅静脉
Superficial temporal vein
下矢状窦 Inferior sagittal sinus
大脑大静脉 Great cerebral vein
大脑中静脉 Middle cerebral vein
顶导静脉 Parietal emissary vein
海绵窦 Cavernous sinus
岩上窦和岩下窦
Superior and inferior petrosal sinuses
眶上静脉和滑车上静脉
Supraorbital and supratrochlear veins
直窦 Straight sinus
眼上静脉和眼下静脉
Superior and inferior ophthalmic veins
大脑下静脉
Inferior cerebral veins
内眦静脉 Angular vein
窦汇
Confluens of sinuses
眶下静脉
Infraorbital vein
横窦 Transverse sinus
枕窦Occipital sinus
乙状窦 Sigmoid sinus
颈静脉球 Jugular bulb
翼(静脉)丛
Pterygoid Plexus
枕静脉 Occipital vein
乳突导静脉 Mastoid emissary vein
髁导静脉 Condyloid emissary vein
耳后静脉 Posterior auricular vein
下颌后静脉 Retromandibular vein:
后支 Posterior division
前支 Anterior division
面深静脉
Deep facial vein
上颌静脉 Maxillary vein
面静脉 Facial vein
下牙槽静脉
Inferior alveolar vein
颏下静脉 Submental vein
颈外静脉 External jugular vein
甲状腺上静脉(切断)
Superior thyroid vein (cut)
椎静脉 Vertebral vein
交通静脉 Communicating vein
颈内静脉 Internal jugular vein
甲状腺中静脉(切断)
Middle thyroid vein (cut)
颈前静脉
Anterior jugular vein
头臂静脉 Brachiocephalic vein
锁骨下静脉 Subclavian vein


枕淋巴结
Occipital nodes
耳后淋巴结(乳突淋巴结)
Retroauricular nodes
腮腺淋巴结浅群
Superficial parotid nodes
颈深淋巴结
Deep cervical nodes:
颈内静脉二腹肌淋巴结
Jugulodigastric node
副神经淋巴结 Accessory nodes
舌骨下淋巴结 Infrahyoid nodes
颈内静脉肩胛舌骨肌淋巴结
Jugulo-omohyoid node
肩胛上淋巴结
Suprascapular nodes
颊肌淋巴结 Buccal nodes
颏下淋巴结 Submental nodes
下颌下淋巴结 Submandibular nodes
颈内静脉前淋巴结 Anterior jugular nodes


耳颞神经(来自V_3)
Auriculotemporal nerve (from V_3)
眶上神经和滑车上神经(来自V_1)
Supraorbital and supratrochlear nerves (from V_1)
颞深前神经和颞深后神经(来自V_3)
Anterior and posterior deep temporal nerves (from V_3)
颧神经颧颞支和颧神经颧面支(来自V_2)
Zygomaticotemporal and zygomaticofacial nerves (from V_2)
滑车下神经(来自V_1)
Infratrochlear nerve (from V_1)
鼻背侧神经(来自V_1) Dorsal nasal nerve (from V_1)
三叉神经上颌分支(V_2，虚影)
Maxillary division of trigeminal nerve (V_2, ghosted)
眶下神经(来自V_2) Infraorbital nerve (from V_2)
腭大神经和腭小神经及后上牙槽神经(来自V_2)
Greater and lesser palatine nerves and posterior superior alveolar nerve (from V_2)
颊神经(来自V_3)
Buccal nerve (from V_3)
舌神经(来自V_3) Lingual nerve (from V_3)
下牙槽神经(来自V_3)
Inferior alveolar nerve (from V_3)
颏神经(来自V_3)
Mental nerve (from V_3)
到下颌舌骨肌的神经(分支)(来自V_3)
Nerve to mylohyoid (from V_3)
耳后神经(来自Ⅶ)
Posterior auricular nerve (from CN Ⅶ)
鼓索(来自Ⅶ)
Chorda tympani (from CN Ⅶ)
到茎突舌骨肌和二腹肌后腹的神经(分支)(来自Ⅶ)
Nerves to stylohyoid and posterior belly of digastric (from CN Ⅶ)
面神经(Ⅶ) Facial nerve (CN Ⅶ)
副神经(Ⅺ) Accessory nerve (CN Ⅺ)
舌咽神经(Ⅸ)
Glossopharyngeal nerve (CN Ⅸ)
舌下神经(Ⅻ)
Hypoglossal nerve (CN Ⅻ)
喉上神经外支(Ⅹ)
External branch of superior laryngeal nerve (from CN Ⅹ)
迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)

第 II 对脑神经视神经
CN II: Optic



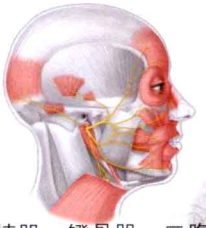
纯感觉：视觉 Sensory only: vision

第 I 对脑神经：嗅神经
CN I: Olfactory



纯感觉：嗅觉
Sensory only: smell

第 VII 对脑神经：面神经
CN VII: Facial



运动：面部表情肌，镫骨肌，二腹肌后腹，茎突舌骨肌，刺激(促进)泪腺，下颌下腺和舌下腺分泌
Motor: muscles of facial expression, stapedius, posterior belly of digastric, stylohyoid; secretomotor to lacrimal, submandibular, sublingual glands

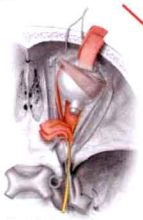


第 VIII 对脑神经：前庭蜗神经
CN VIII: Vestibulocochlear

纯感觉：听觉和平衡觉
Sensory only: Hearing and balance

第 III 对脑神经：动眼神经
CN III: Oculomotor

纯运动：上睑提肌，上直肌，内直肌，下直肌，下斜肌，睫状肌，瞳孔括约肌
Motor only: levator palpebrae superioris, superior rectus, medial rectus, inferior rectus, inferior oblique, ciliary muscle, sphincter pupillae

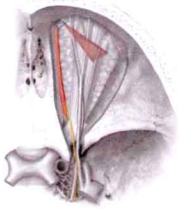


感觉：舌前2/3的味觉，腭
Sensory: taste of anterior 2/3 of tongue, palate

第 IX 对脑神经：舌咽神经 CN IX: Glossopharyngeal

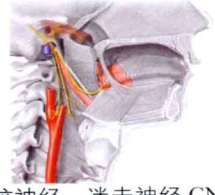


第 IV 对脑神经：滑车神经 CN IV: Trochlear
纯运动：上斜肌 Motor only: superior oblique



运动：茎突咽肌，刺激(促进)腮腺分泌
Motor: stylopharyngeus, secretomotor to parotid gland

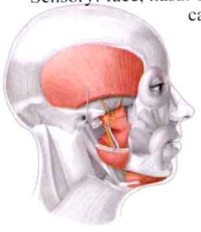
感觉：咽，中耳，颈动脉窦，舌后1/3的味觉
Sensory: pharynx, middle ear, carotid sinus, taste of posterior 1/3 of tongue



第 V 对脑神经：三叉神经
CN V: Trigeminal

运动：咀嚼肌，下颌舌骨肌，二腹肌前腹，鼓膜张肌，腭帆张肌
Motor: muscles of mastication, mylohyoid, anterior belly of digastric, tensor tympani, tensor veli palatini

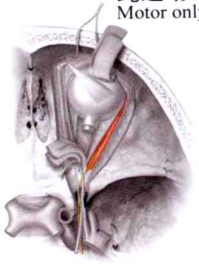
感觉：面部，鼻腔，口腔，牙
Sensory: face, nasal cavity, oral cavity, teeth



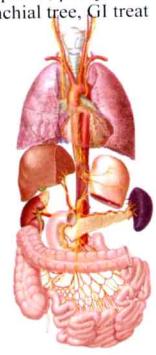
第 X 对脑神经：迷走神经 CN X: Vagus
运动：咽，喉，支气管树，心，(结肠)脾曲以上的胃肠道，刺激(促进)黏液腺分泌
Motor: pharynx, larynx, bronchial tree, heart, GI tract to splenic flexure, secretomotor to mucous glands
感觉：软腭，咽，喉，颈动脉体，支气管树，胃肠道Sensory: soft palate, pharynx, larynx, carotid body, bronchial tree, GI treat

第 VI 对脑神经：展神经
CN VI: Abducent

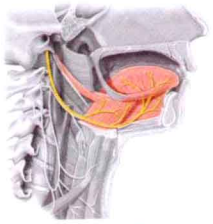
纯运动：外直肌
Motor only: lateral rectus



纯运动：斜方肌，胸锁乳突肌
Motor only: trapezius, sternocleidomastoid

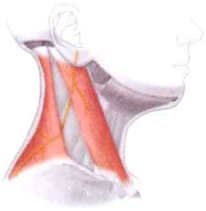


纯运动：舌肌
Motor only: muscles of tongue

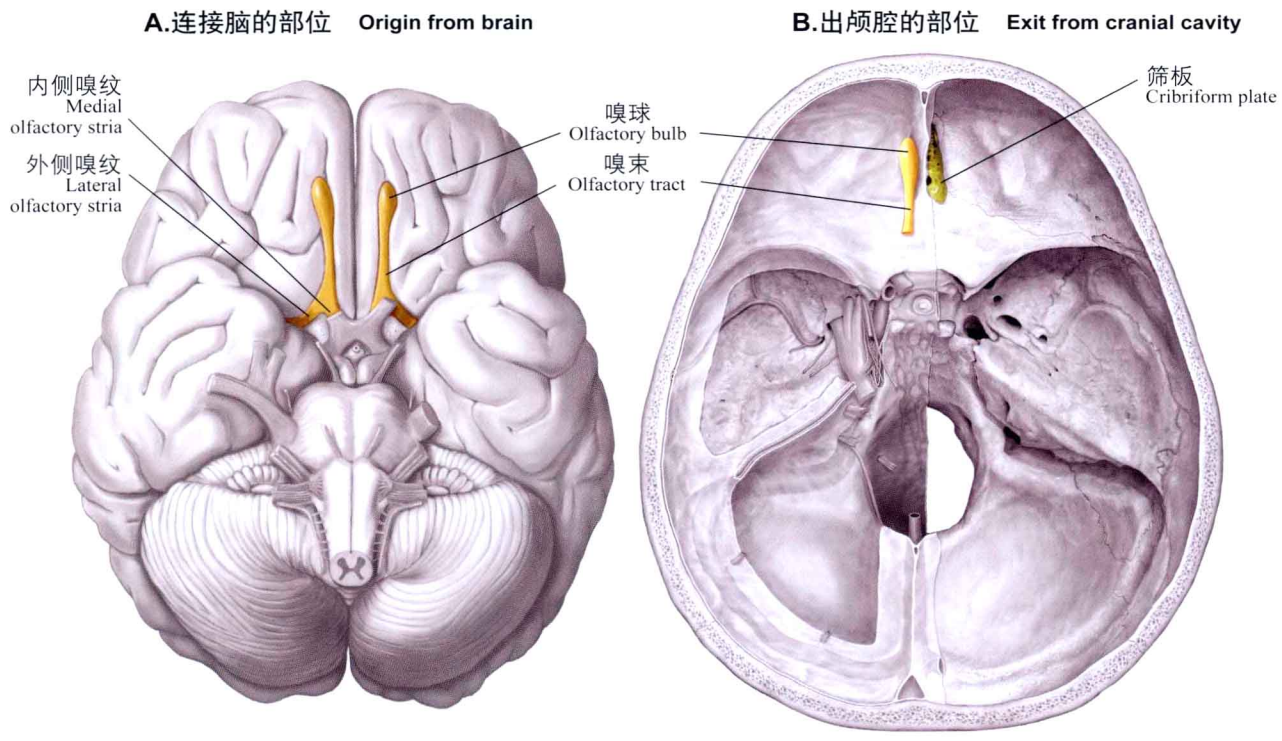


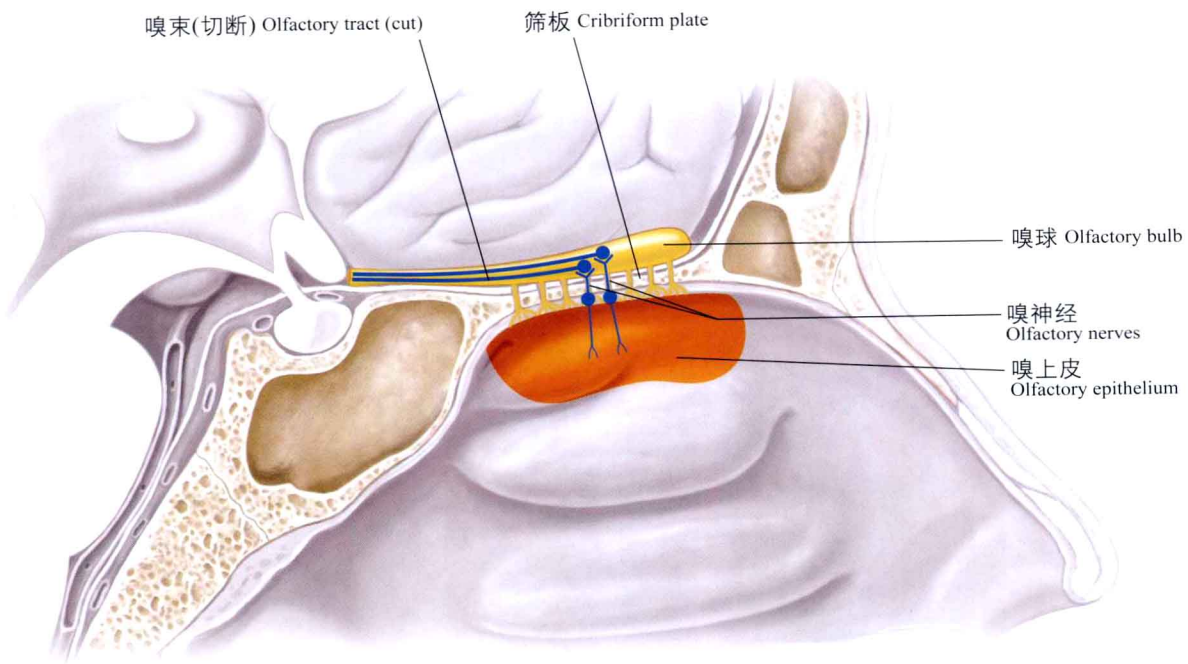


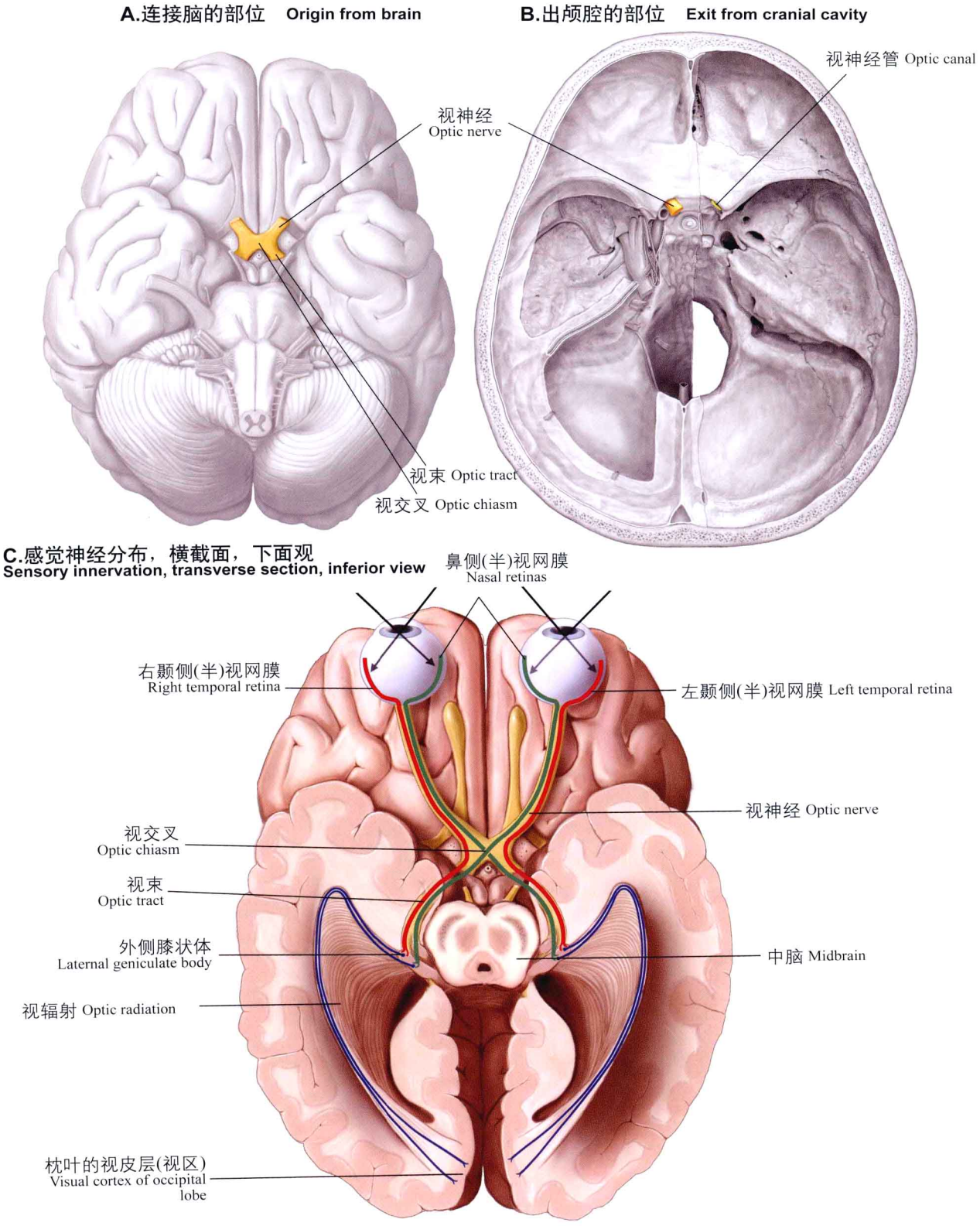
第 XI 对脑神经：副神经
CN XI: Accessory



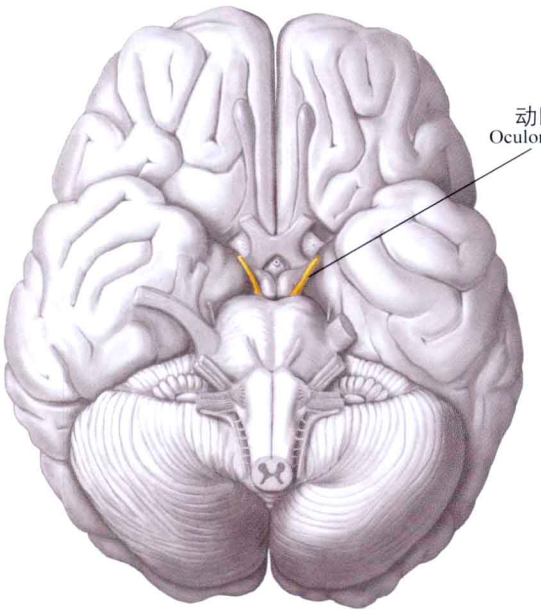
第 XII 对脑神经：舌下神经
CN XII: Hypoglossal


A.连接脑的部位 Origin from brain
B.出颅腔的部位 Exit from cranial cavity
内侧嗅纹
Medial
olfactory stria
外侧嗅纹
Lateral
olfactory stria
嗅球
Olfactory bulb
嗅束
Olfactory tract
筛板
Cribriform plate

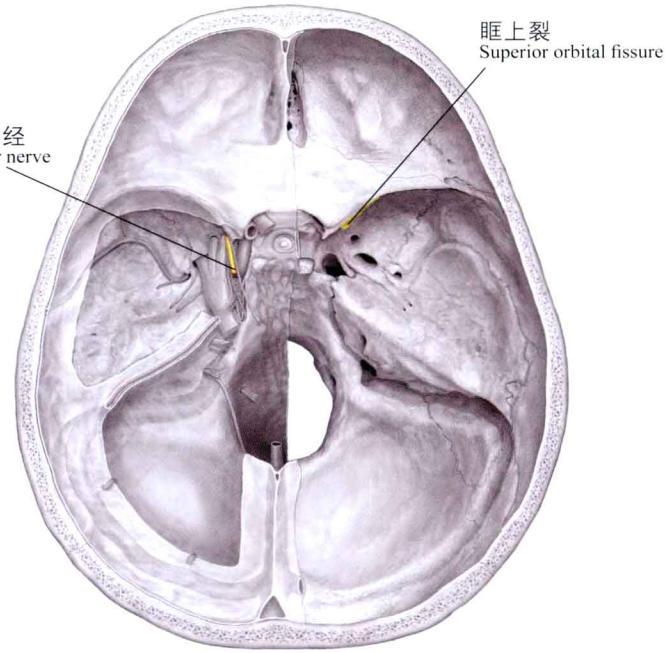

C.感觉神经分布，矢状断面
Sensory innervation, sagittal section
嗅束(切断) Olfactory tract (cut)
筛板 Cribriform plate
嗅球 Olfactory bulb
嗅神经
Olfactory nerves
嗅上皮
Olfactory epithelium


A.连接脑的部位 Origin from brain
B.出颅腔的部位 Exit from cranial cavity
视神经
Optic nerve
视束 Optic tract
视交叉 Optic chiasm
视神经管 Optic canal
C.感觉神经分布，横截面，下面观
Sensory innervation, transverse section, inferior view
鼻侧(半)视网膜
Nasal retinas
右颞侧(半)视网膜
Right temporal retina
左颞侧(半)视网膜 Left temporal retina
视神经 Optic nerve
视交叉
Optic chiasm
视束
Optic tract
外侧膝状体
Laternal geniculate body
中脑 Midbrain
视辐射 Optic radiation
枕叶的视皮层(视区)
Visual cortex of occipital lobe

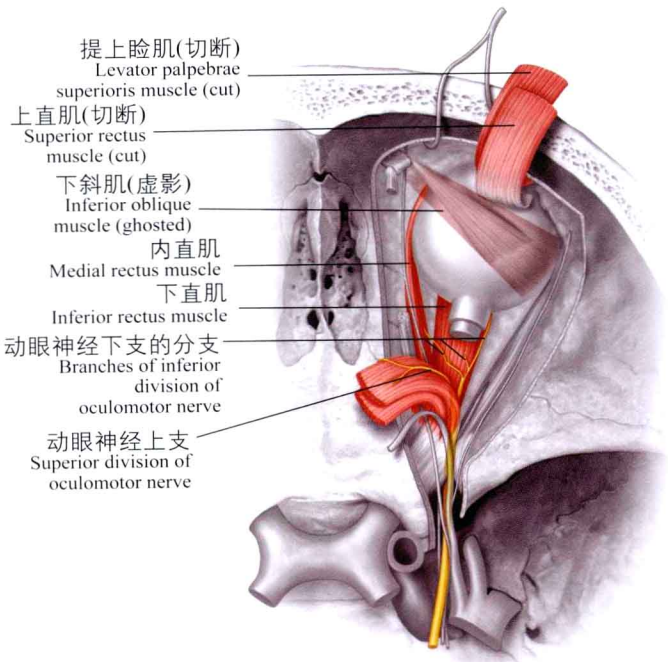
A.连接脑的部位 Origin from brain



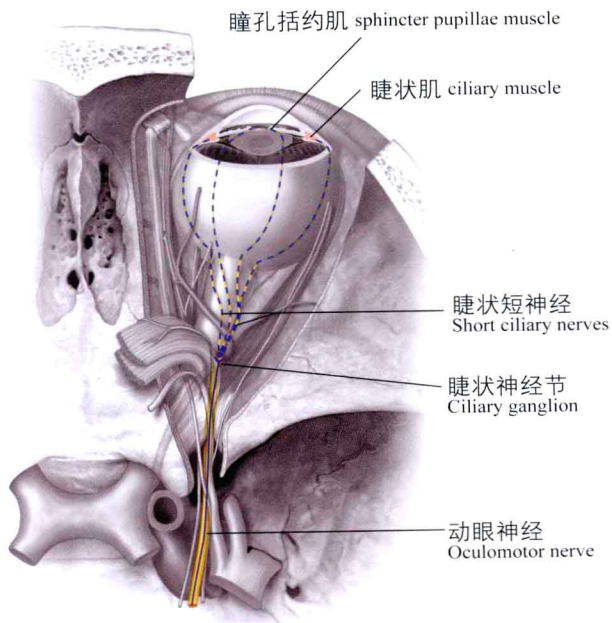
B.出颅腔的部位 Exit from cranial cavity



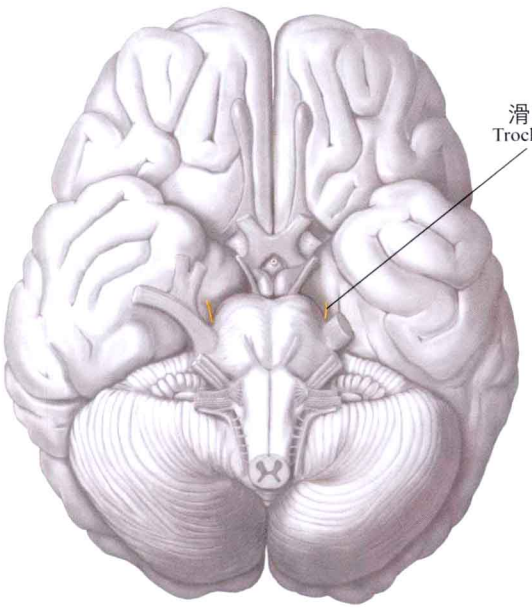
C.肌肉的神经支配 Skeletal muscle innervations



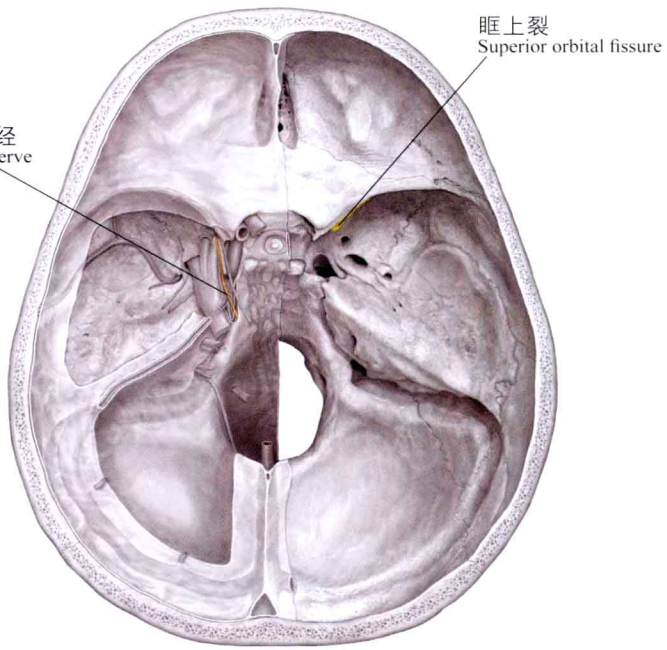
D.副交感神经支配 Parasympathetic innervations



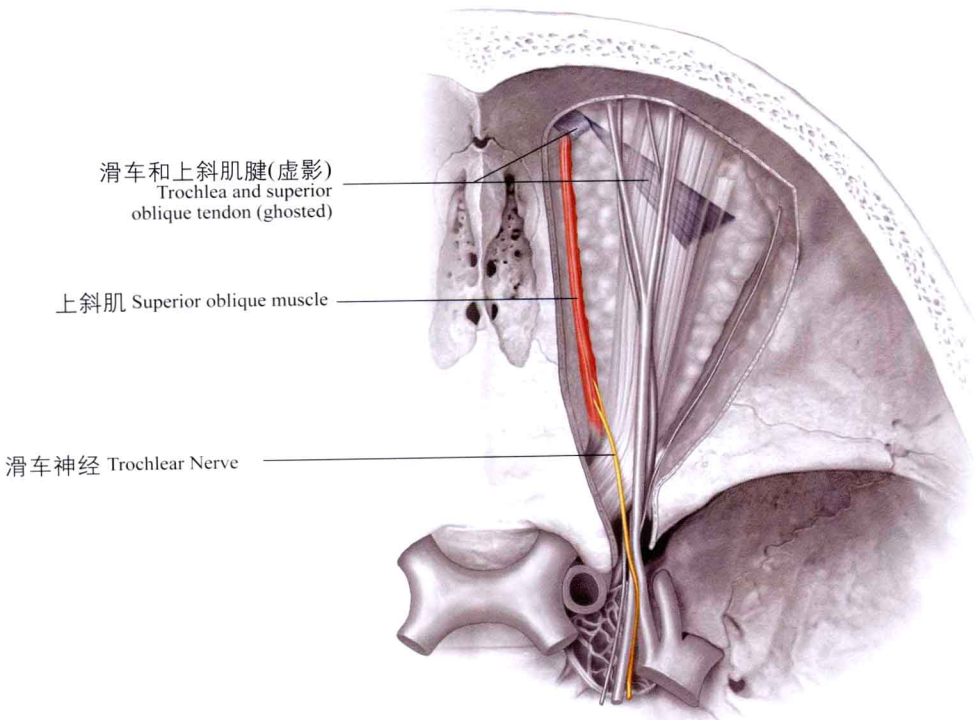
A.连接脑的部位 Origin from brain



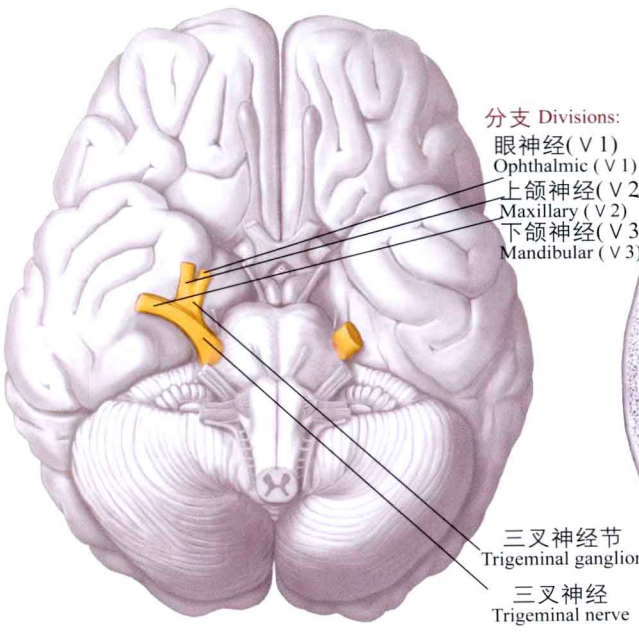
B.出颅腔的部位 Exit from cranial cavity



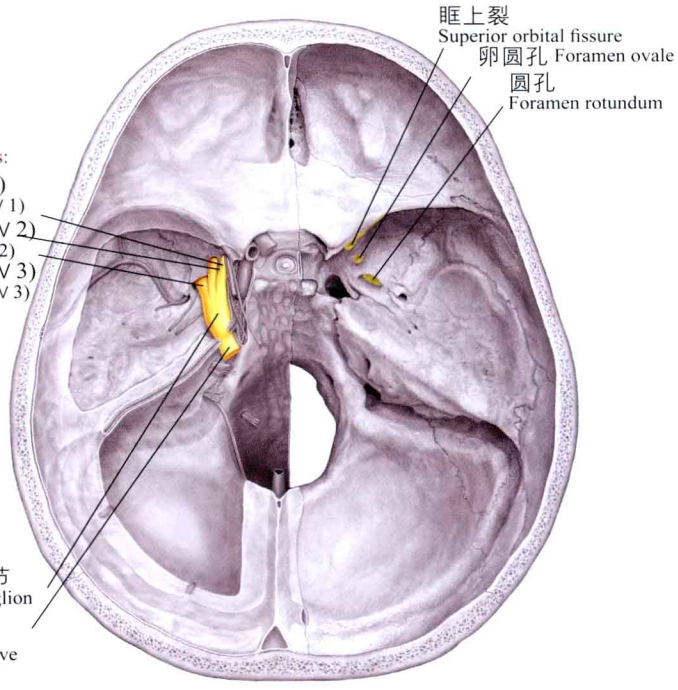
C.神经支配骨骼肌 Skeletal muscle innervation



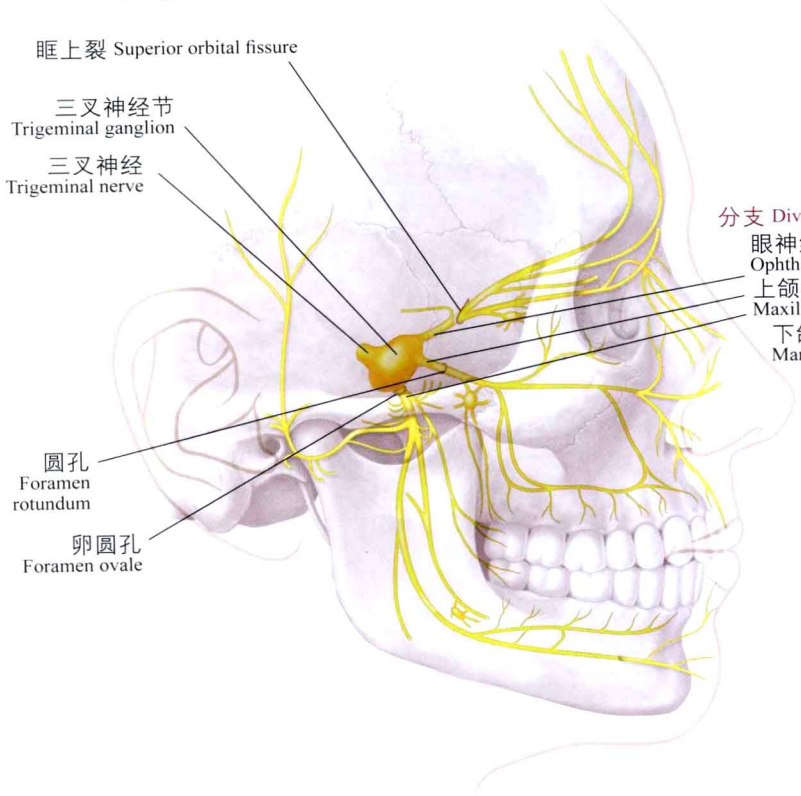
A.连接脑的部位 Origin from brain



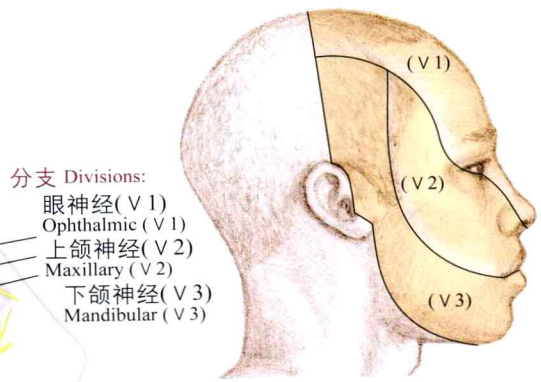
B.出颅腔的部位 Exit from cranial cavity



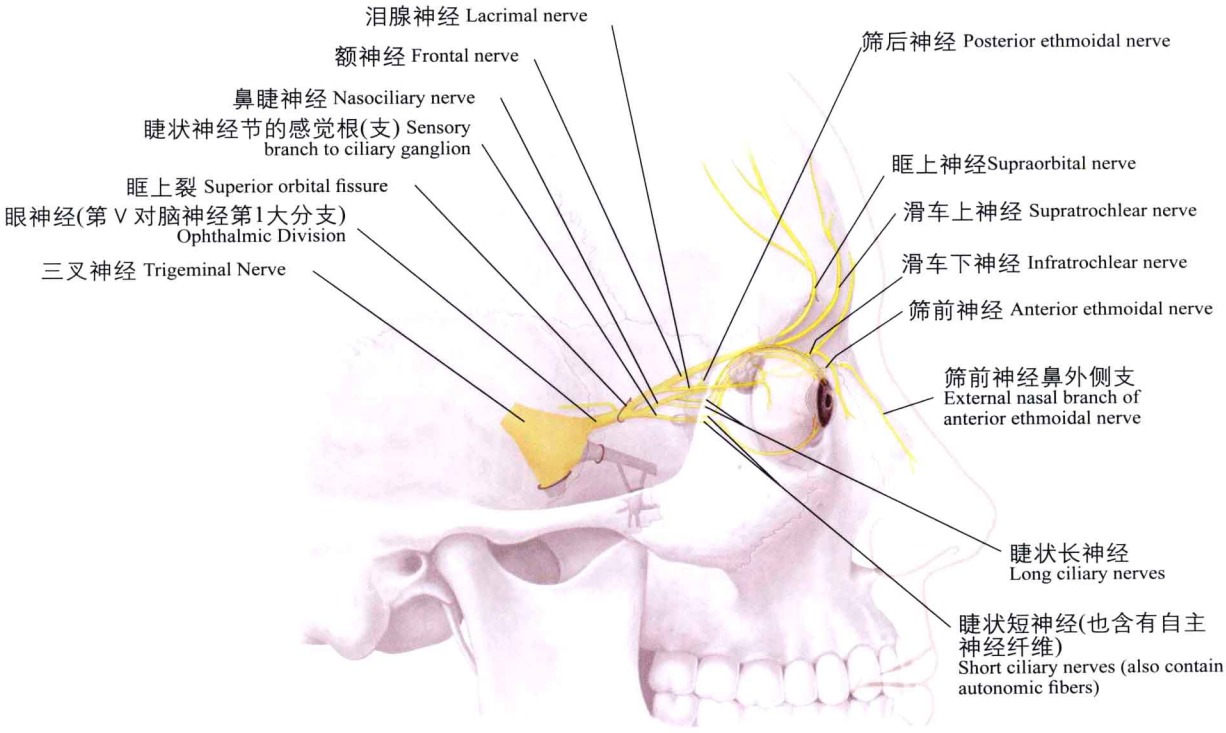
C.分支的概况 Overview of divisions



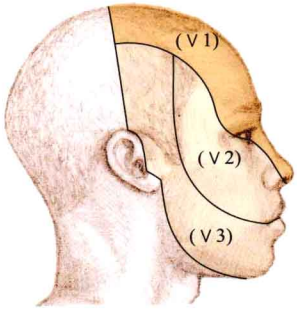
D.皮肤分布 Cutaneous distribution



A.感觉神经分布 Sensory innervations

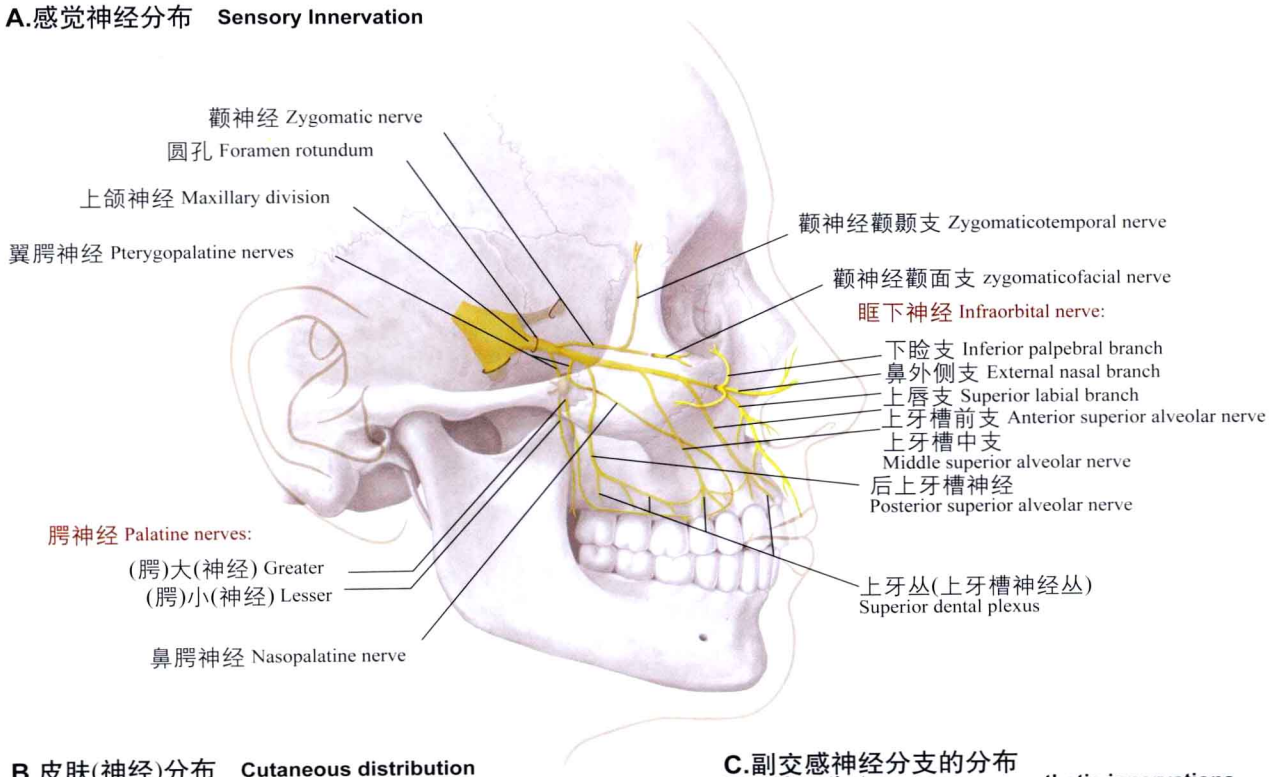


B.皮肤(神经)分布 Cutaneous distribution

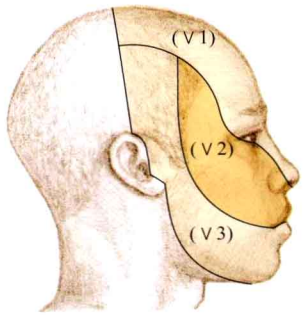


C.副交感神经分支的支配 Branches that carry parasympathetic innervations

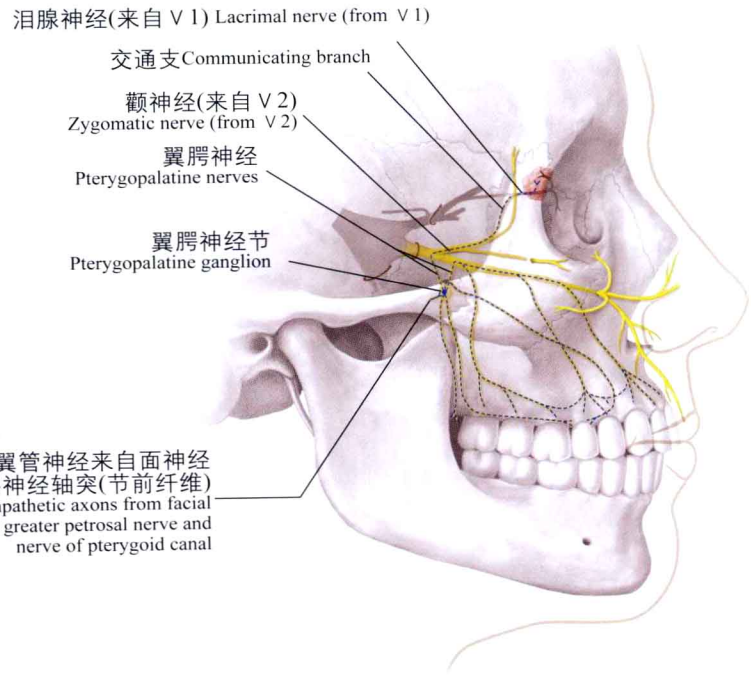
A.感觉神经分布 Sensory Innervation



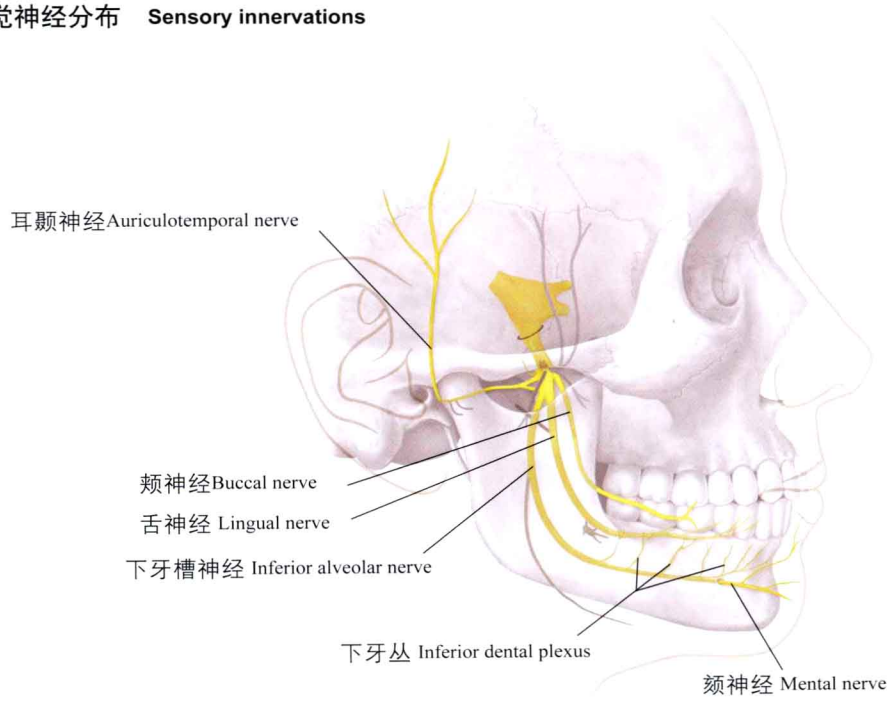
B.皮肤(神经)分布 Cutaneous distribution



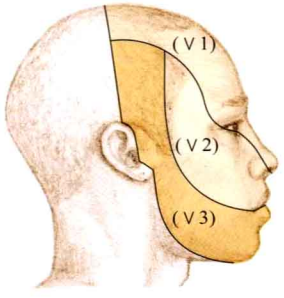
C.副交感神经分支的分布 Branches that carry parasympathetic innervations



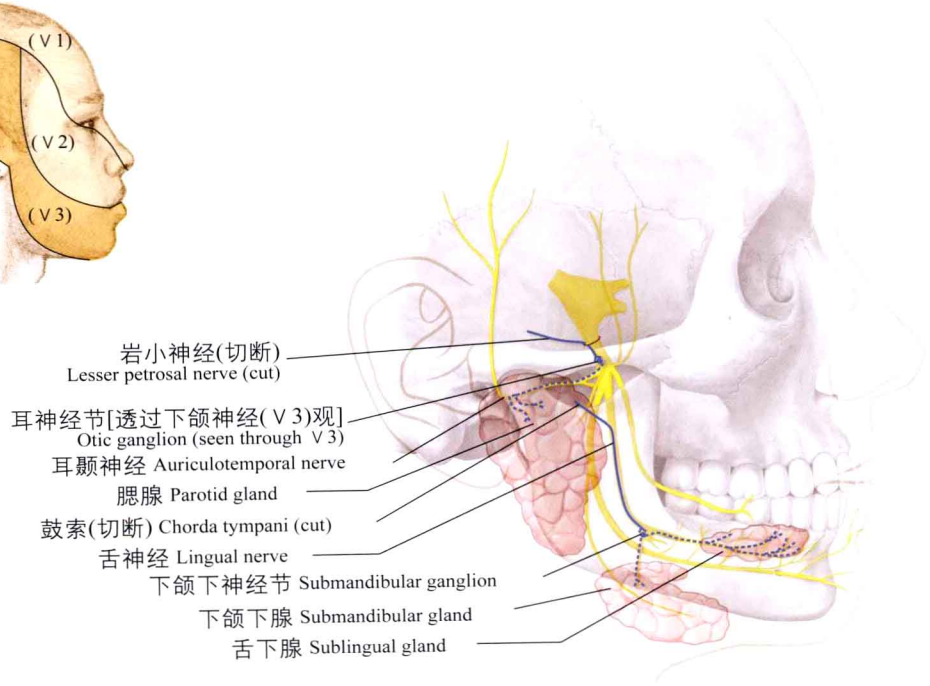
A.感觉神经分布 Sensory innervations



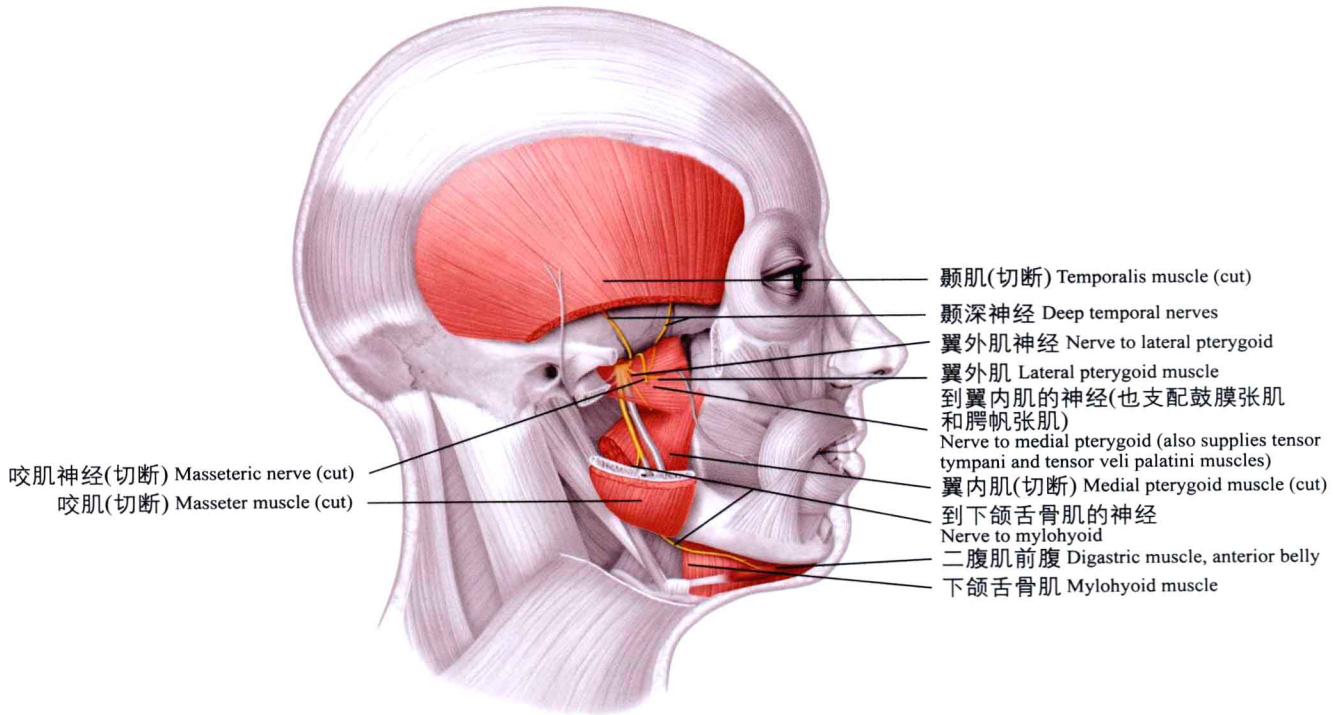
B.皮肤(神经)分布 Cutaneous distribution



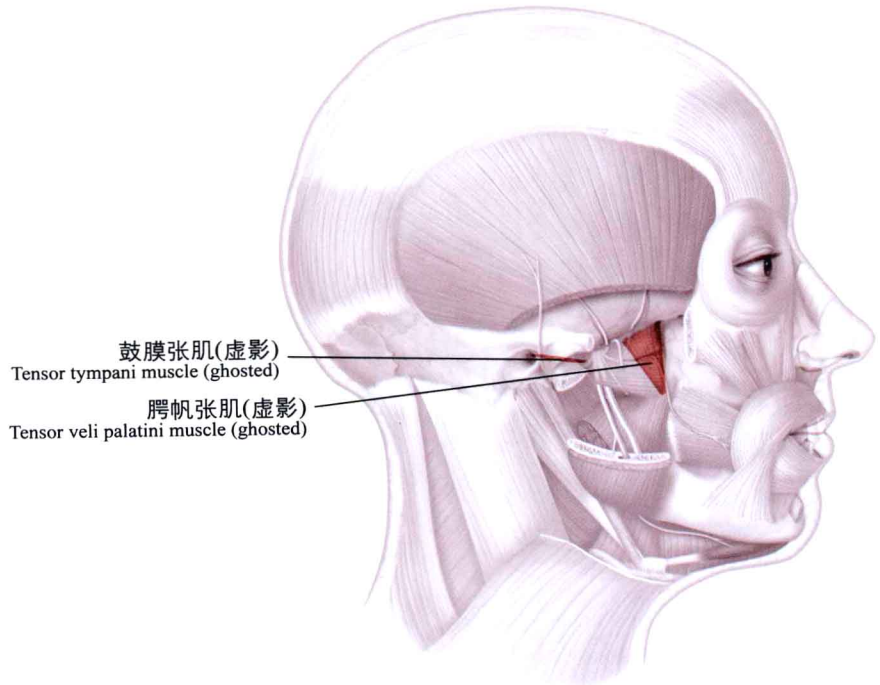
C.副交感神经分支的分布 Branches that carry parasympathetic innervations



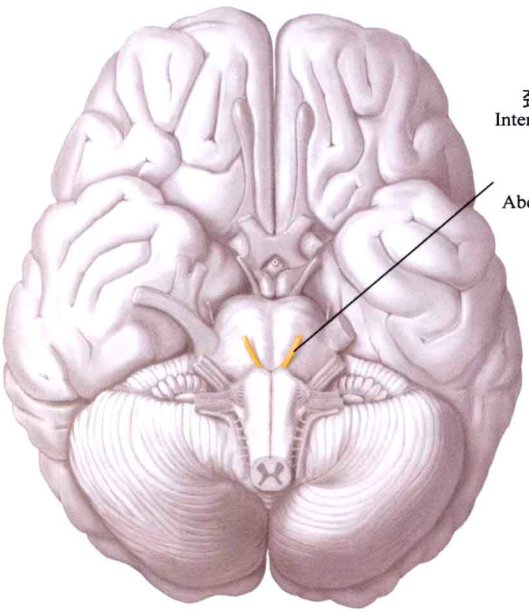
A.骨骼肌的神经支配 Ⅰ Skeletal muscle innervation I



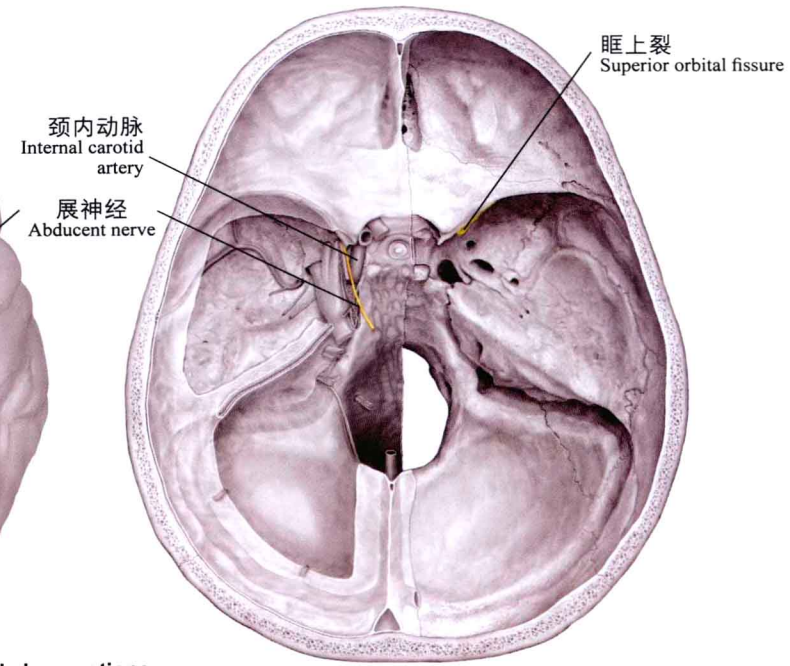
B.骨骼肌的神经支配 Ⅱ Skeletal muscle innervation II



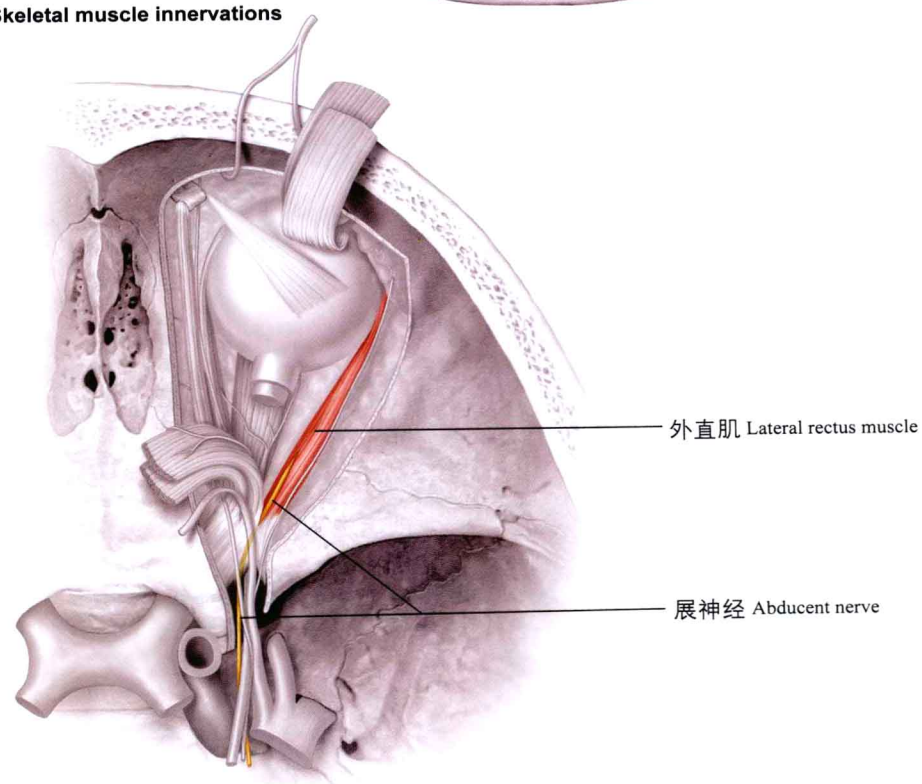
A.连接脑的部位 Origin from brain



B.出颅腔的部位 Exit from cranial cavity

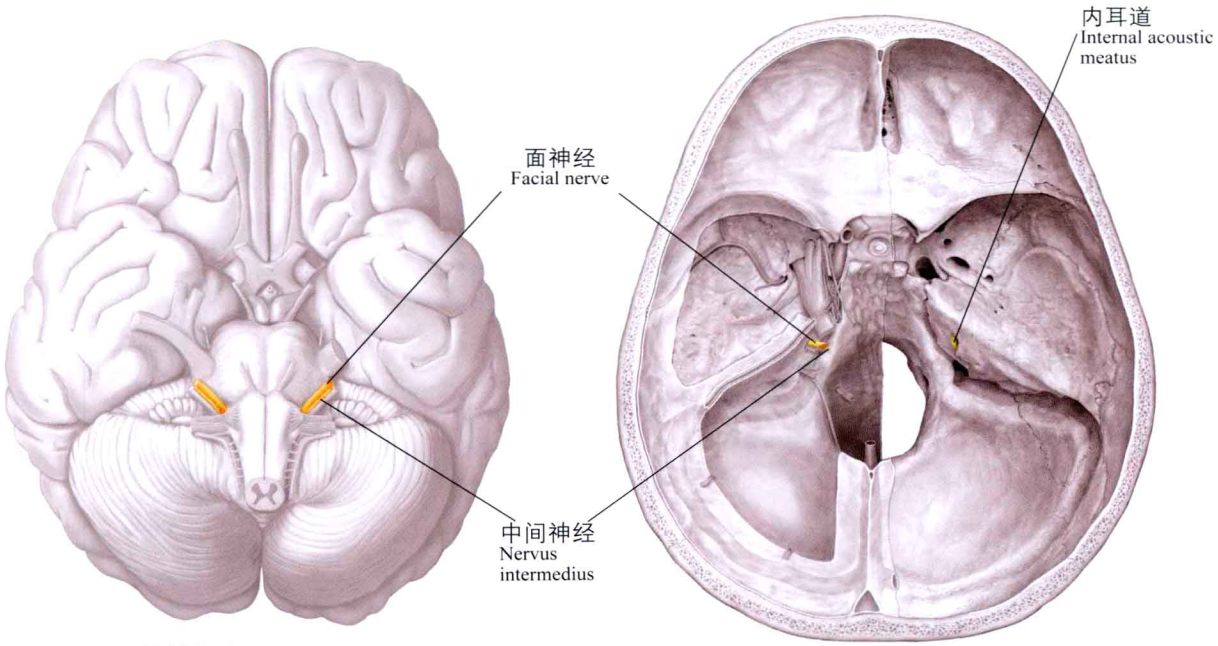


C.骨骼肌的神经支配 Skeletal muscle innervations

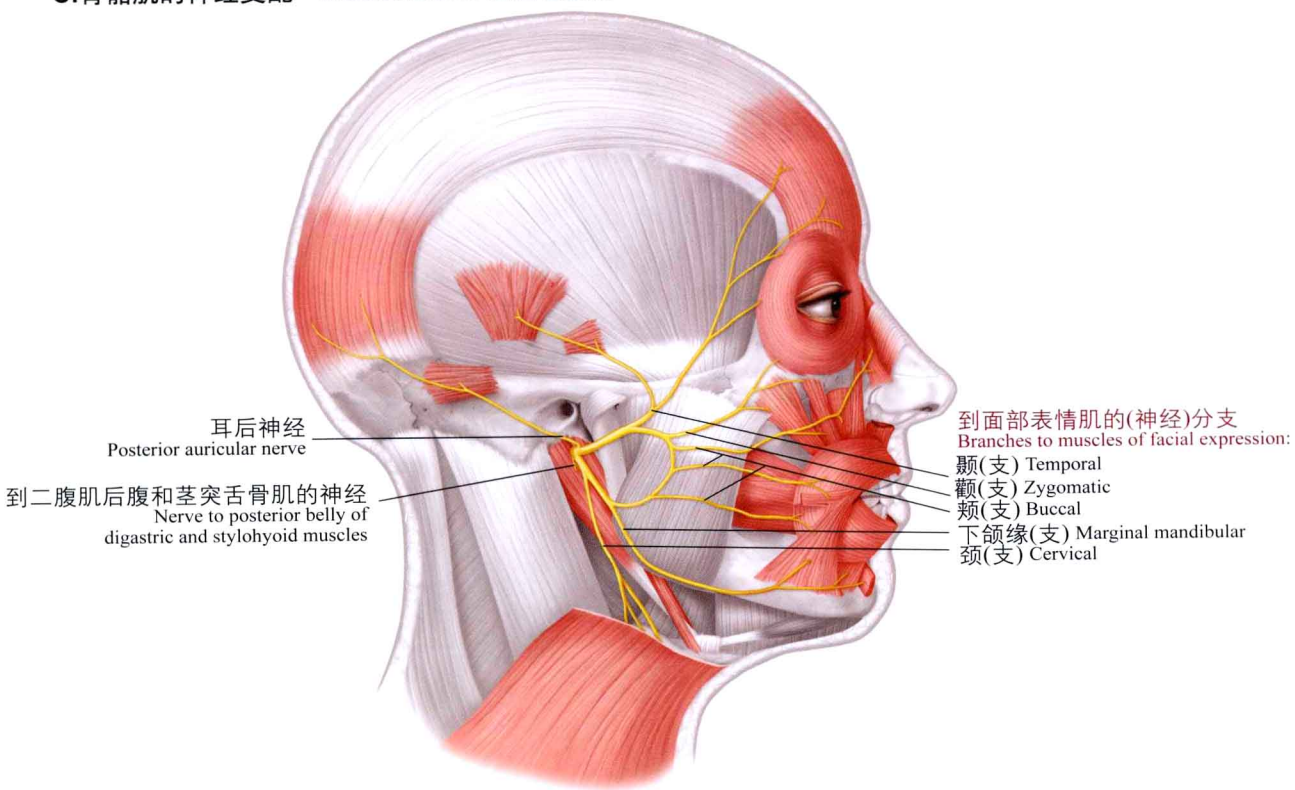


A.连接脑的部位 Origin from brain

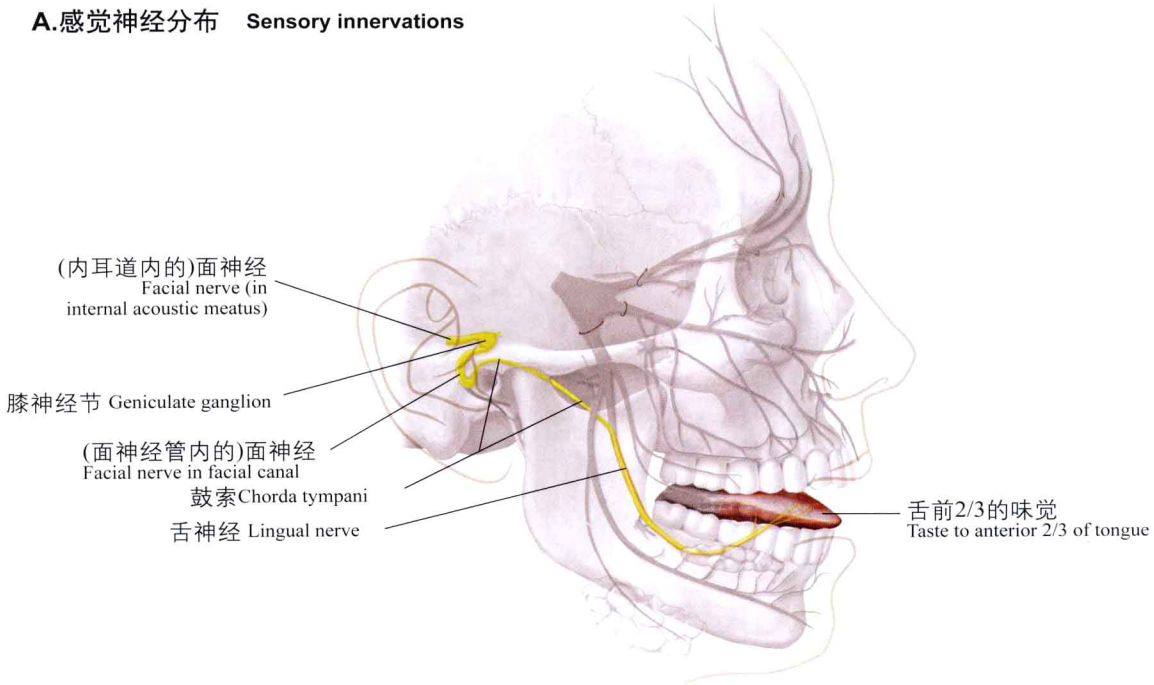
B.出颅腔的部位 Exit from cranial cavity



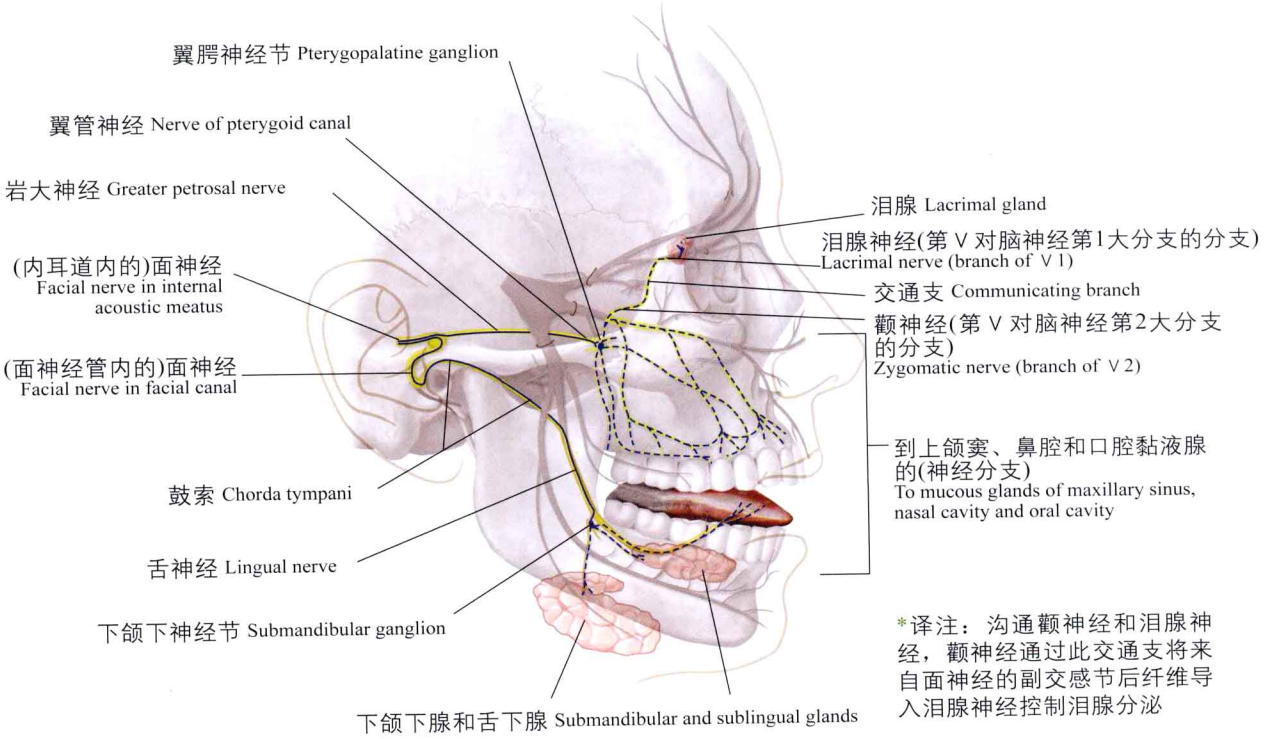
C.骨骼肌的神经支配 Skeletal muscle innervations



A.感觉神经分布 Sensory innervations

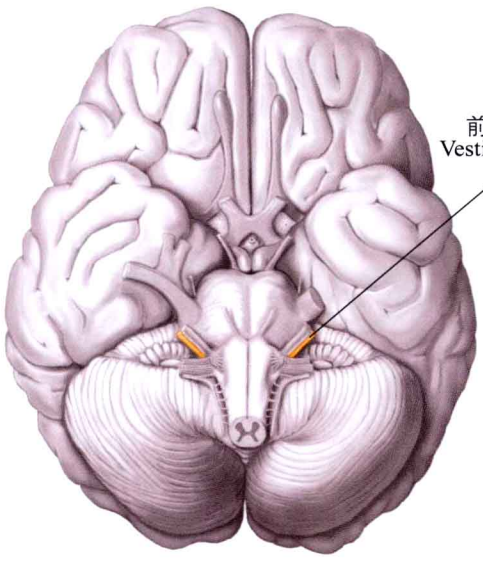


B.副交感神经分布 Parasympathetic innervations

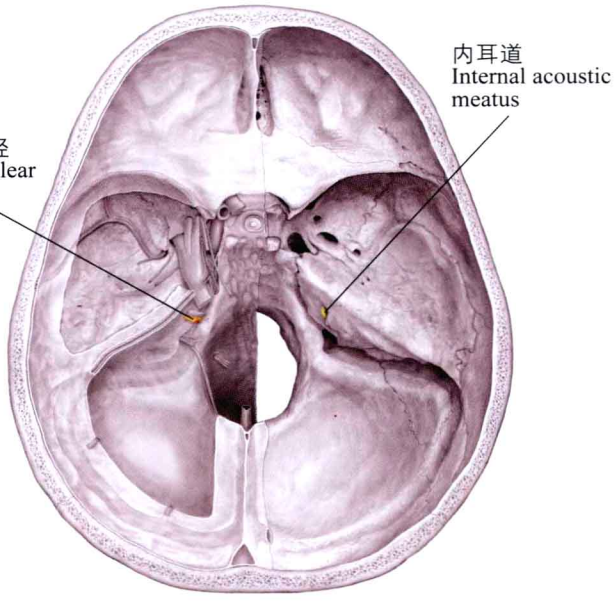


*译注：沟通颧神经和泪腺神经，颧神经通过此交通支将来自面神经的副交感节后纤维导入泪腺神经控制泪腺分泌

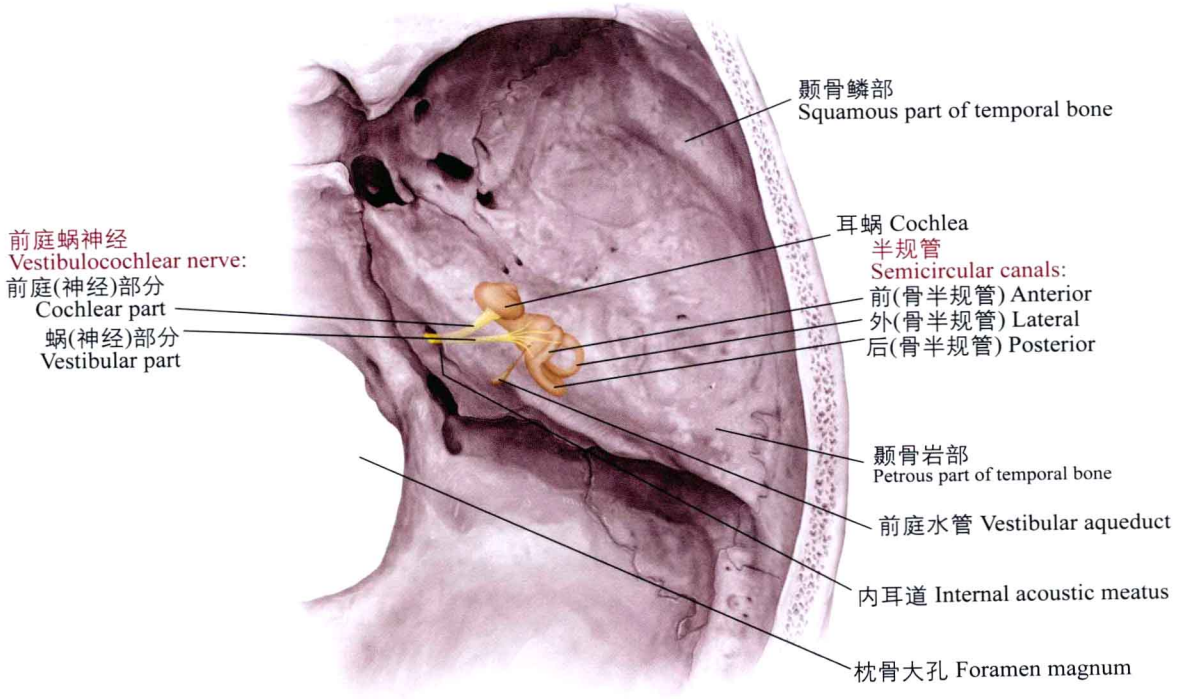
A.连接脑的部位 Origin from brain



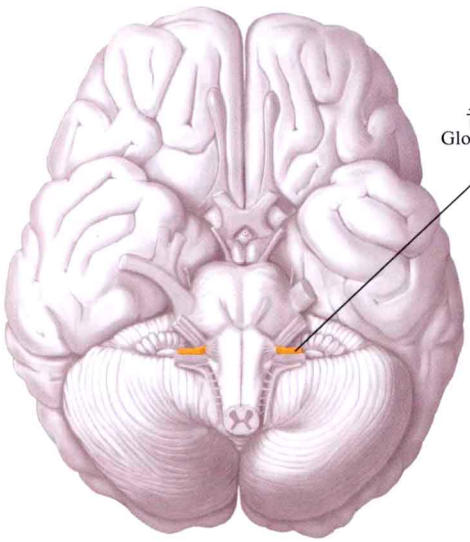
B.出颅腔的部位 Exit from cranial cavity



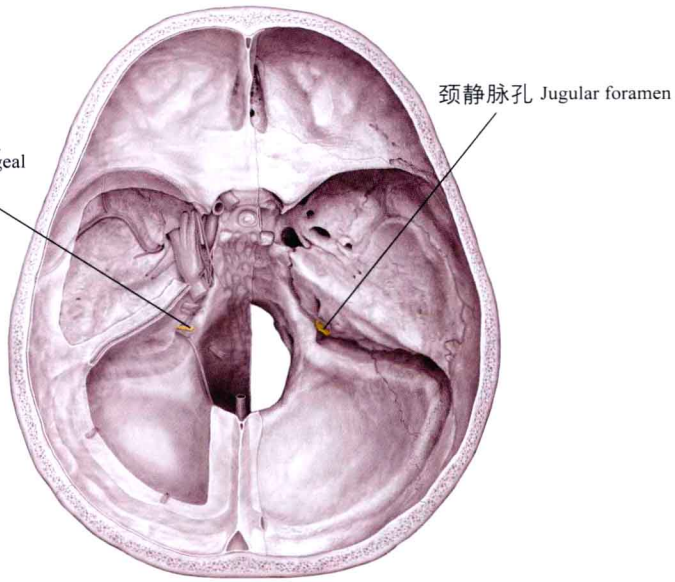
C.感觉神经分布 Sensory innervations



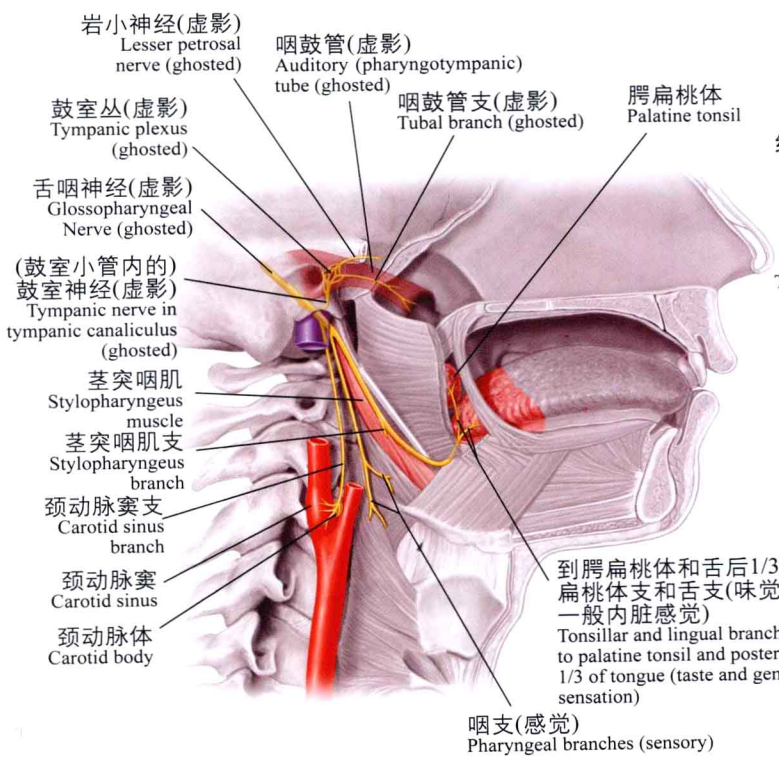
A.连接脑的部位 Origin from brain



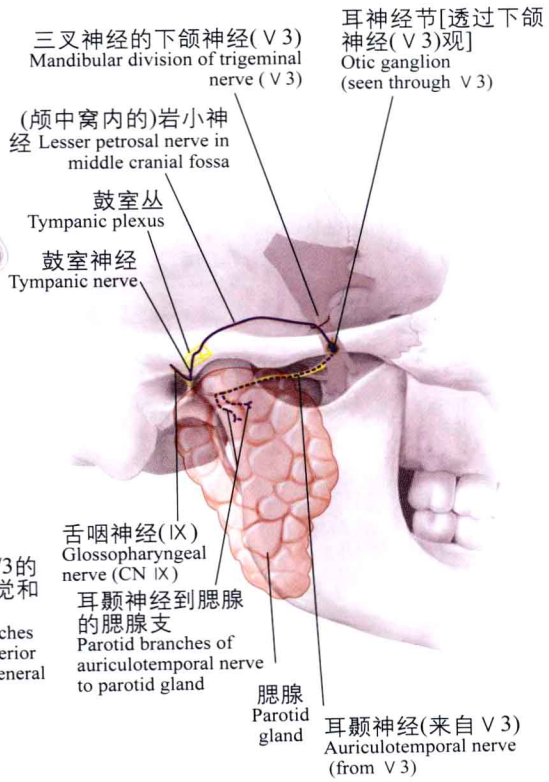
B.出颅腔的部位 Exit from cranial cavity



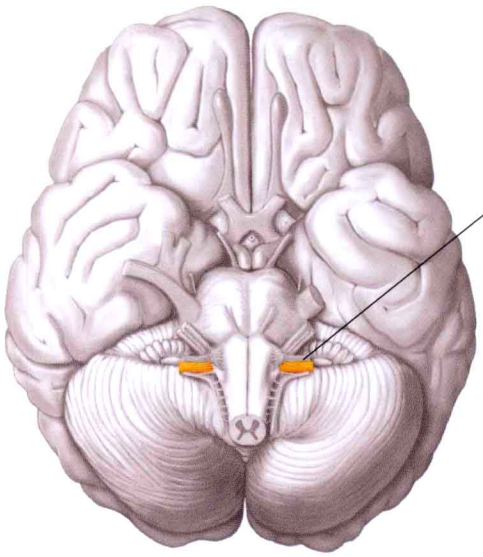
C.感觉神经分布和骨骼肌的神经支配 Sensory and skeletal muscle innervations



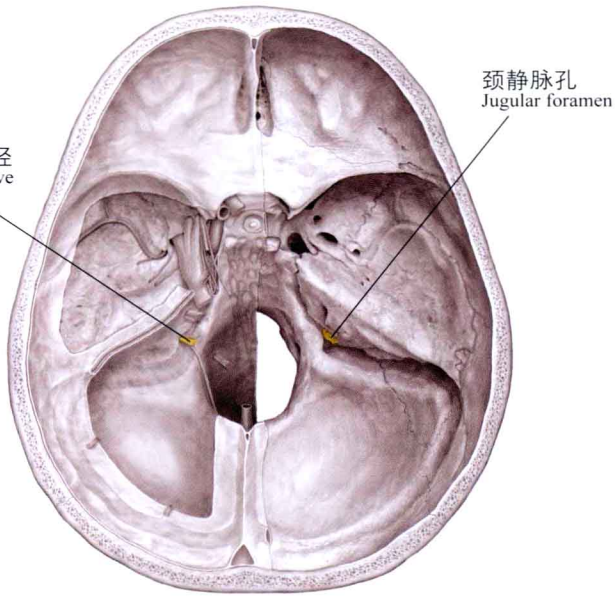
D.副交感神经分布 Parasympathetic innervations



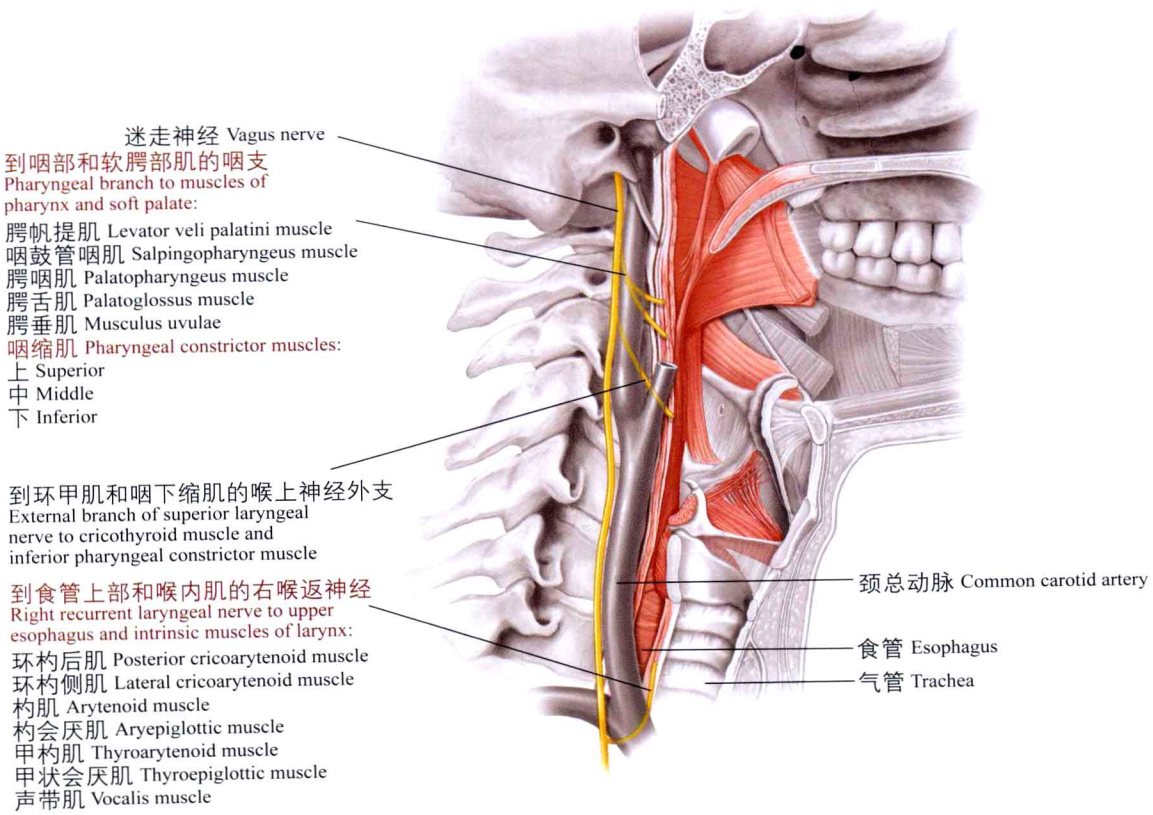
A. 连接脑的部位 Origin from brain

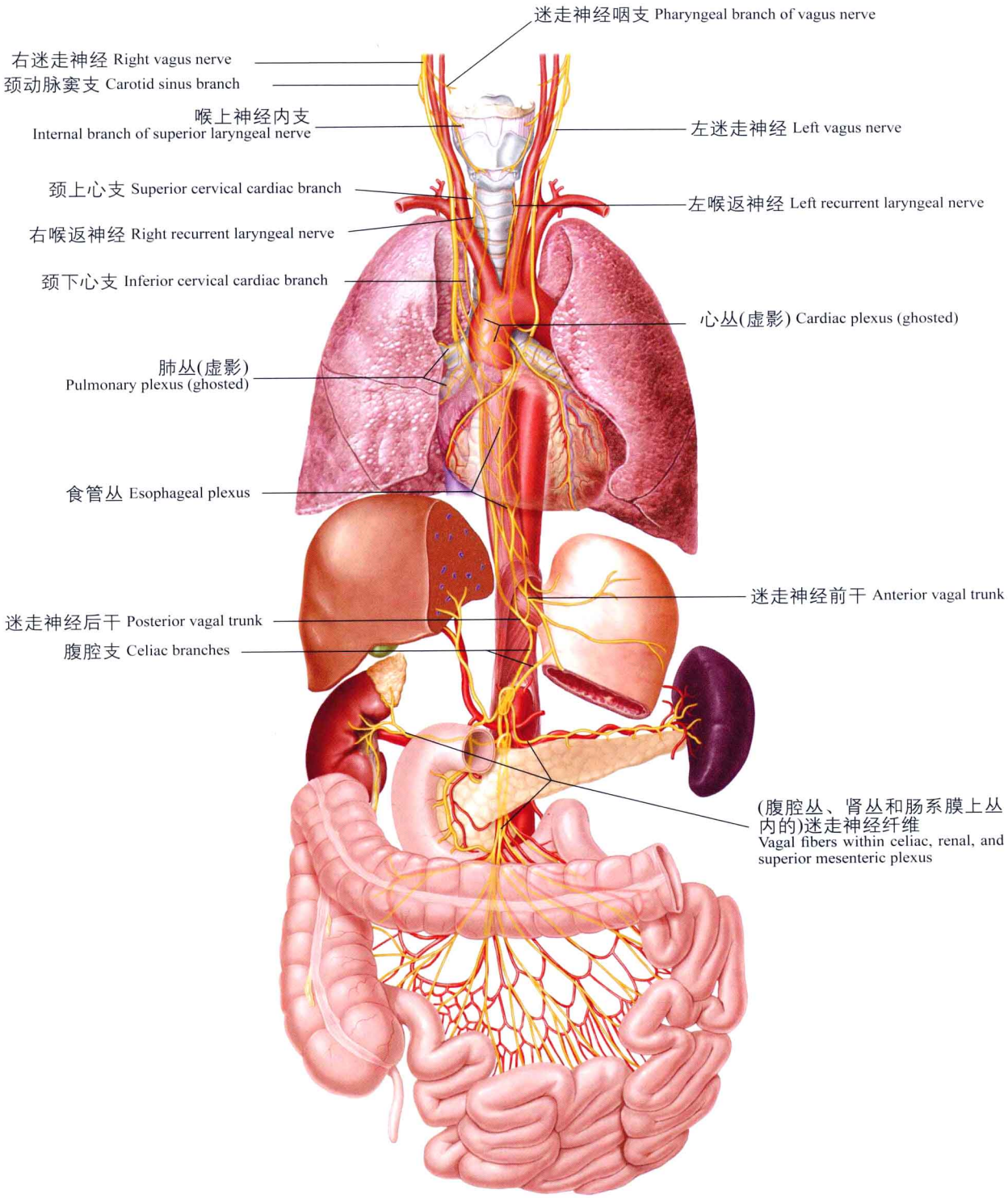


B. 出颅腔的部位 Exit from cranial cavity

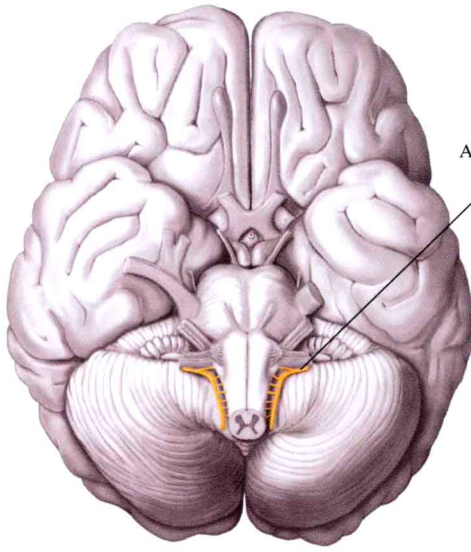


C. 骨骼肌的神经支配 Skeletal muscle innervations

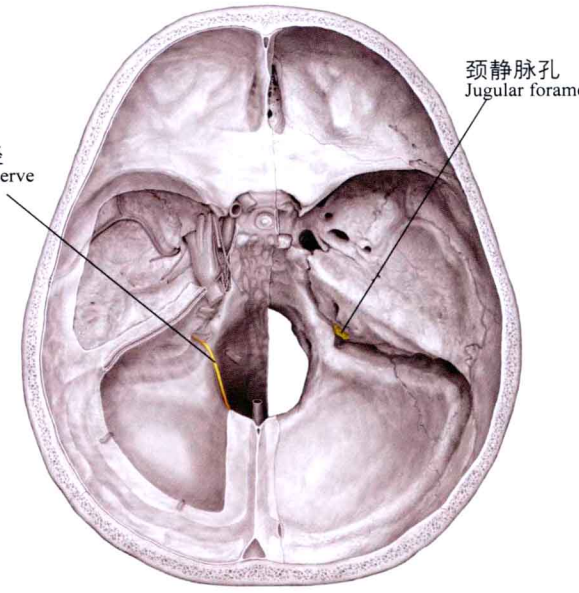



迷走神经咽支 Pharyngeal branch of vagus nerve
右迷走神经 Right vagus nerve
颈动脉窦支 Carotid sinus branch
喉上神经内支
Internal branch of superior laryngeal nerve
左迷走神经 Left vagus nerve
颈上心支 Superior cervical cardiac branch
左喉返神经 Left recurrent laryngeal nerve
右喉返神经 Right recurrent laryngeal nerve
颈下心支 Inferior cervical cardiac branch
心丛(虚影) Cardiac plexus (ghosted)
肺丛(虚影)
Pulmonary plexus (ghosted)
食管丛 Esophageal plexus
迷走神经前干 Anterior vagal trunk
迷走神经后干 Posterior vagal trunk
腹腔支 Celiac branches
(腹腔丛、肾丛和肠系膜上丛内的)迷走神经纤维
Vagal fibers within celiac, renal, and superior mesenteric plexus

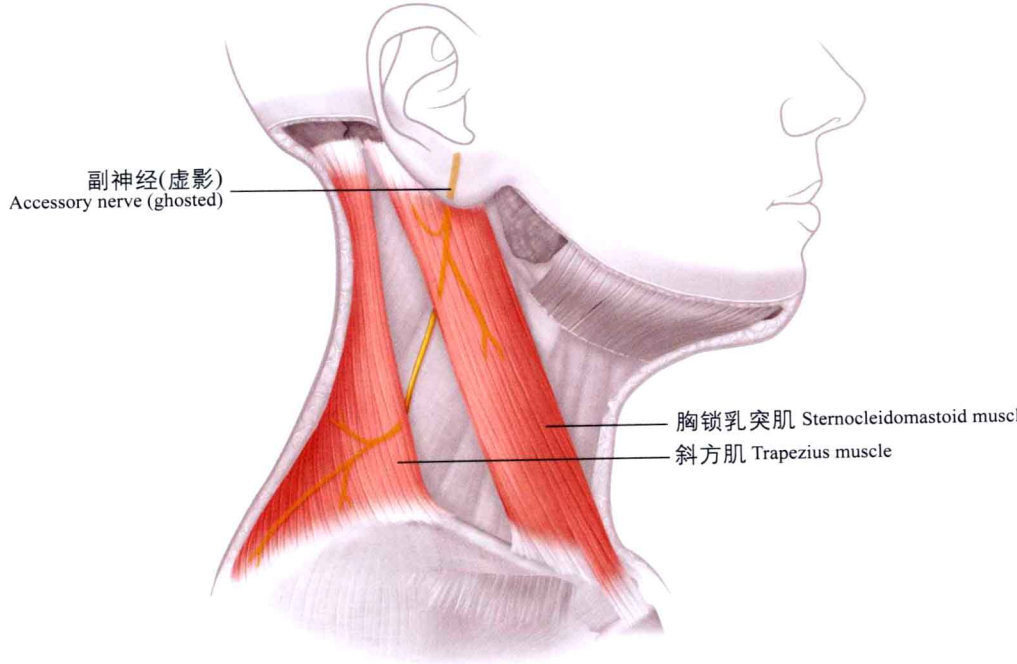
A.连接脊髓的部位 Origin from spinal cord



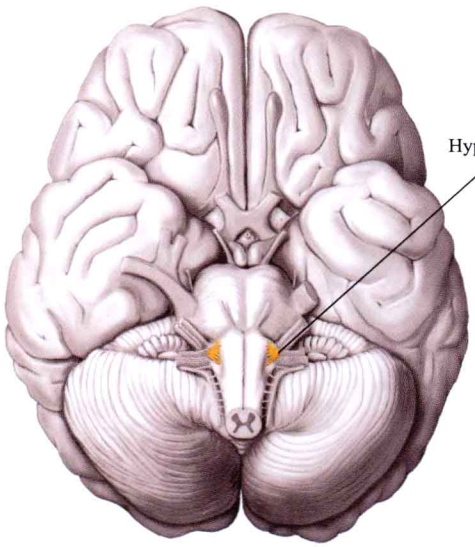
B.出颅腔的部位 Exit from cranial cavity



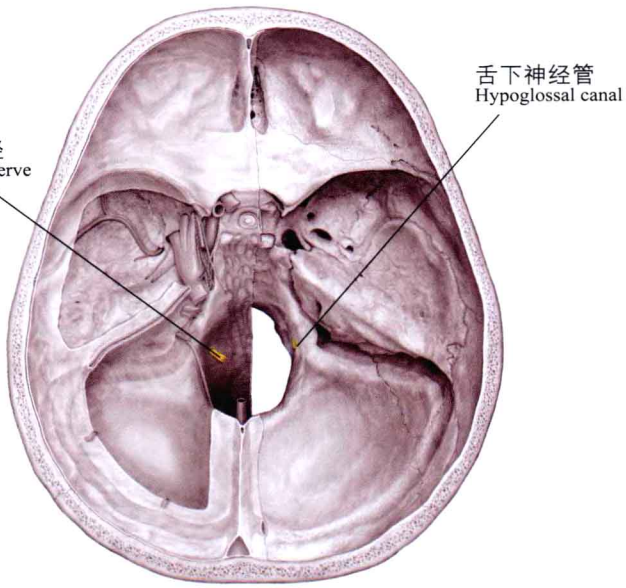
C.骨骼肌的神经支配 Skeletal muscle innervations



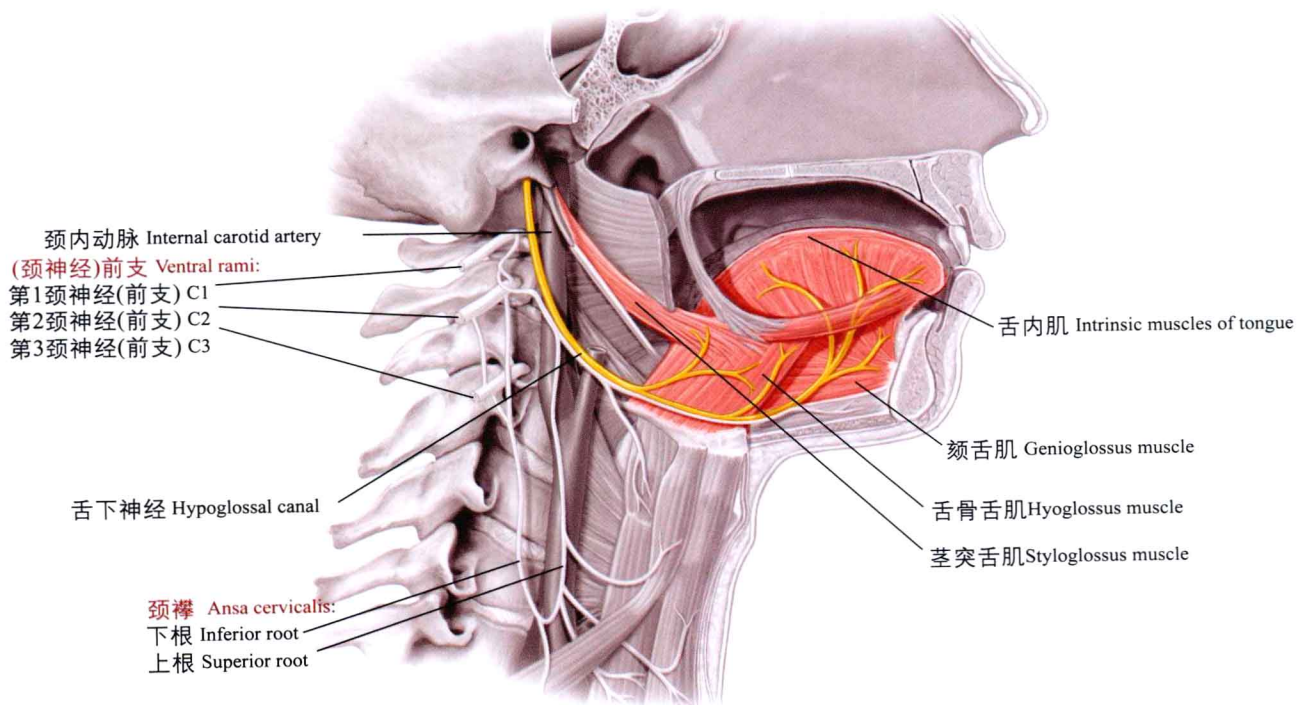
A.连接脑的部位 Origin from brain



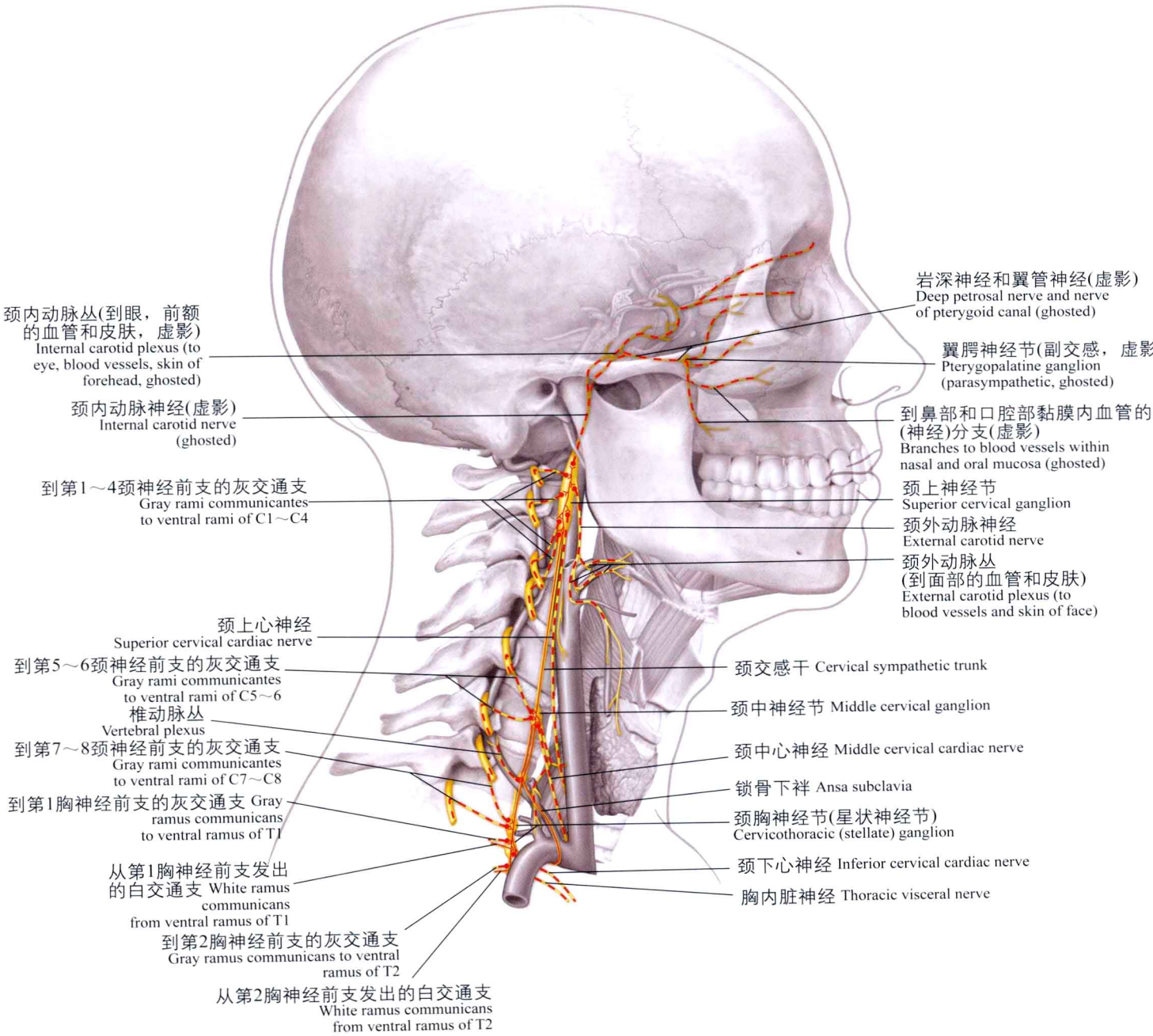
B.出颅腔的部位 Exit from cranial cavity

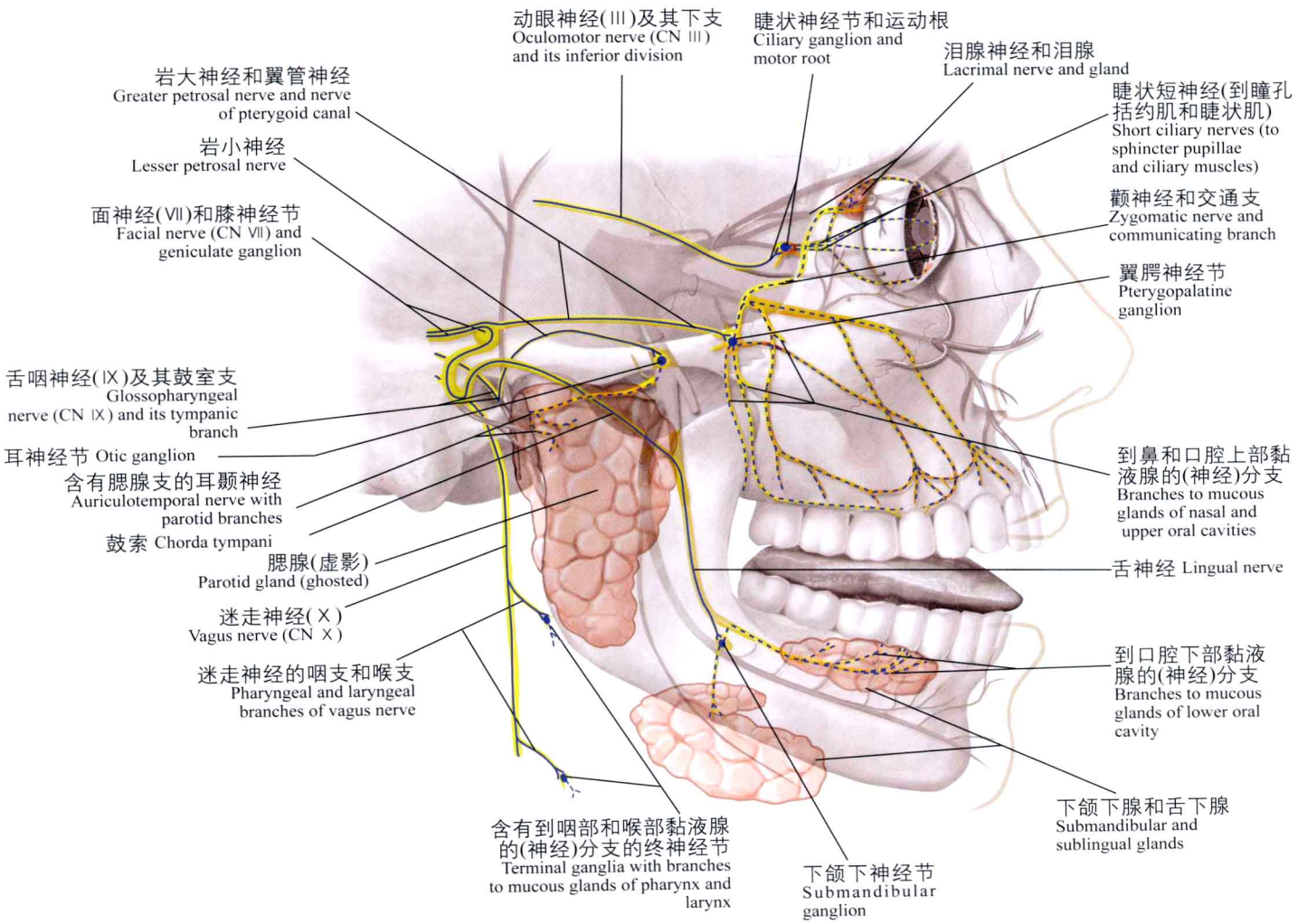


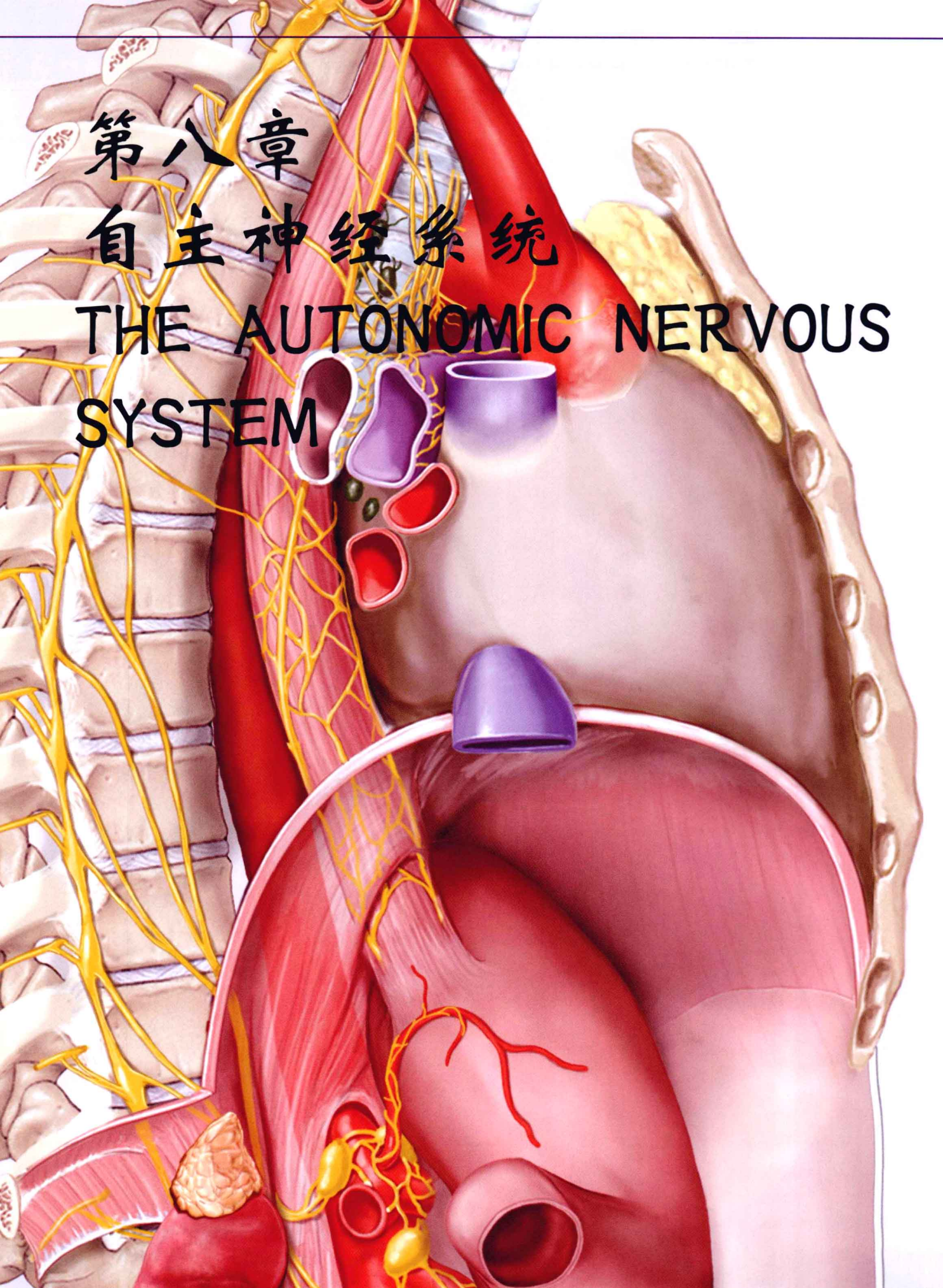
C.骨骼肌的神经支配 Skeletal muscle innervations



头颈部的交感神经分布总结 Summary of Head and Neck Sympathetic Innervation



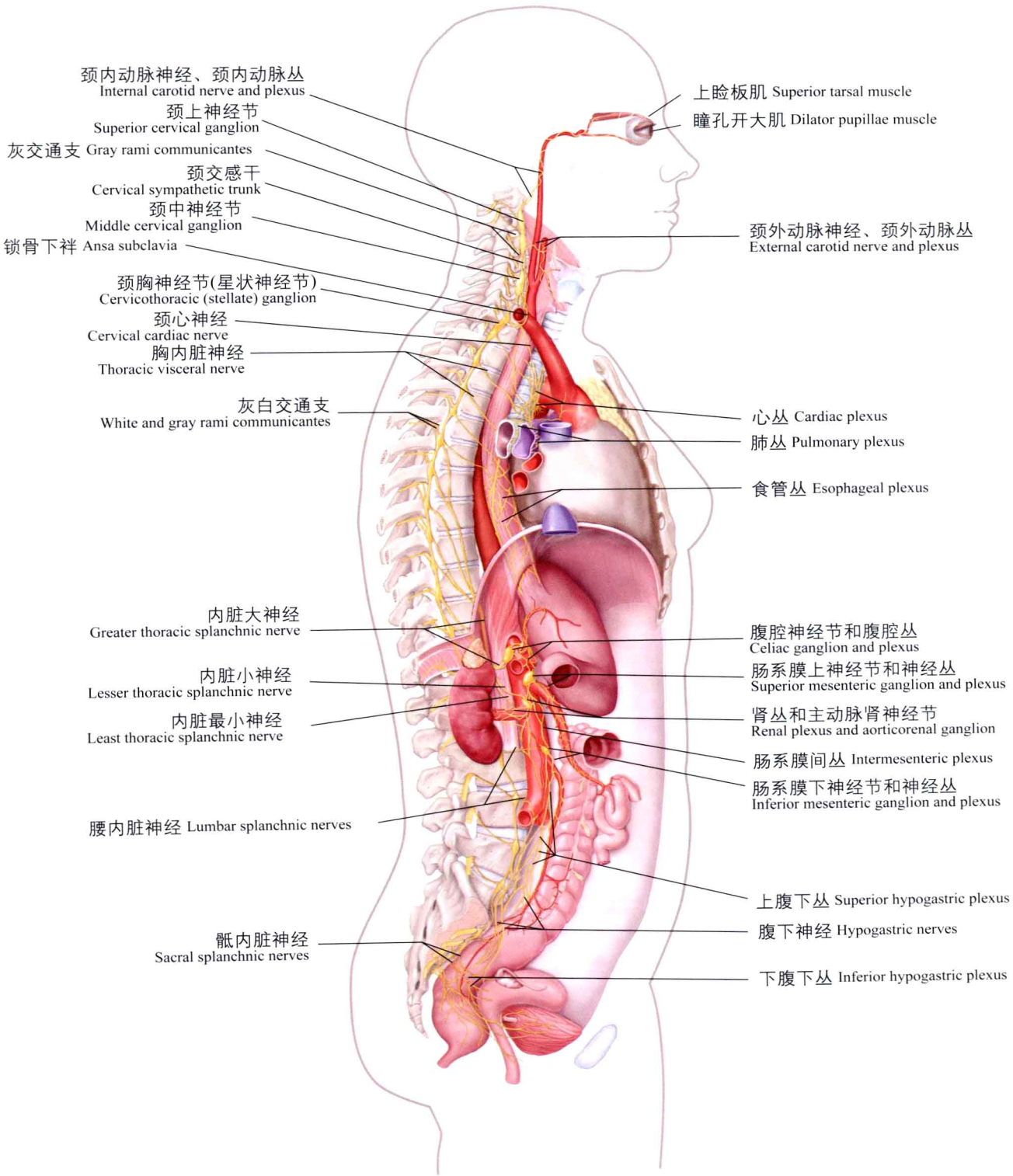

动眼神经(Ⅲ)及其下支
Oculomotor nerve (CN Ⅲ) and its inferior division
睫状神经节和运动根
Ciliary ganglion and motor root
泪腺神经和泪腺
Lacrimal nerve and gland
睫状短神经(到瞳孔括约肌和睫状肌)
Short ciliary nerves (to sphincter pupillae and ciliary muscles)
颧神经和交通支
Zygomatic nerve and communicating branch
翼腭神经节
Pterygopalatine ganglion
岩大神经和翼管神经
Greater petrosal nerve and nerve of pterygoid canal
岩小神经
Lesser petrosal nerve
面神经(Ⅶ)和膝神经节
Facial nerve (CN Ⅶ) and geniculate ganglion
舌咽神经(Ⅸ)及其鼓室支
Glossopharyngeal nerve (CN Ⅸ) and its tympanic branch
耳神经节 Otic ganglion
含有腮腺支的耳颞神经
Auriculotemporal nerve with parotid branches
鼓索 Chorda tympani
腮腺(虚影)
Parotid gland (ghosted)
迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)
迷走神经的咽支和喉支
Pharyngeal and laryngeal branches of vagus nerve
到鼻和口腔上部黏液腺的(神经)分支
Branches to mucous glands of nasal and upper oral cavities
舌神经 Lingual nerve
到口腔下部黏液腺的(神经)分支
Branches to mucous glands of lower oral cavity
下颌下腺和舌下腺
Submandibular and sublingual glands
含有到咽部和喉部黏液腺的(神经)分支的终神经节
Terminal ganglia with branches to mucous glands of pharynx and larynx
下颌下神经节
Submandibular ganglion



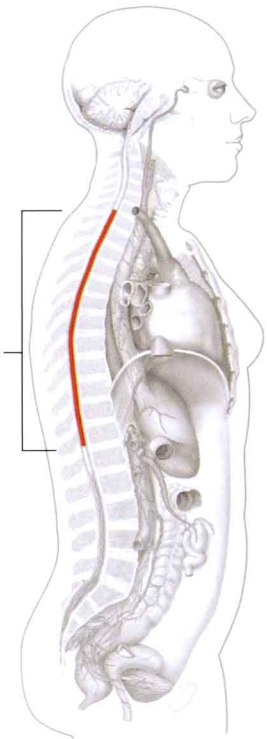
第八章
自主神经系统
THE AUTONOMIC NERVOUS SYSTEM

Contents 第八章

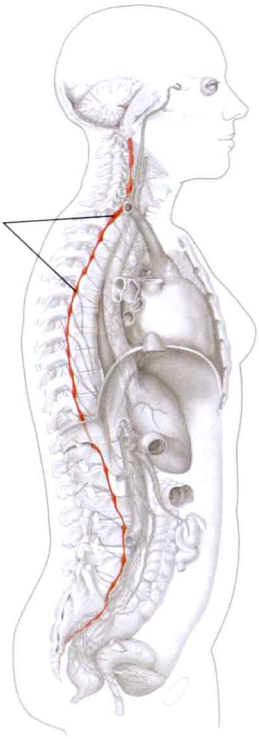
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颈内动脉神经、颈内动脉丛
Internal carotid nerve and plexus
颈上神经节
Superior cervical ganglion
灰交通支 Gray rami communicantes
颈交感干
Cervical sympathetic trunk
颈中神经节
Middle cervical ganglion
锁骨下袢 Ansa subclavia
颈胸神经节(星状神经节)
Cervicothoracic (stellate) ganglion
颈心神经
Cervical cardiac nerve
胸内脏神经
Thoracic visceral nerve
灰白交通支
White and gray rami communicantes
内脏大神经
Greater thoracic splanchnic nerve
内脏小神经
Lesser thoracic splanchnic nerve
内脏最小神经
Least thoracic splanchnic nerve
腰内脏神经 Lumbar splanchnic nerves
骶内脏神经
Sacral splanchnic nerves
上睑板肌 Superior tarsal muscle
瞳孔开大肌 Dilator pupillae muscle
颈外动脉神经、颈外动脉丛
External carotid nerve and plexus
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管丛 Esophageal plexus
腹腔神经节和腹腔丛
Celiac ganglion and plexus
肠系膜上神经节和神经丛
Superior mesenteric ganglion and plexus
肾丛和主动脉肾神经节
Renal plexus and aorticorenal ganglion
肠系膜间丛 Intermesenteric plexus
肠系膜下神经节和神经丛
Inferior mesenteric ganglion and plexus
上腹下丛 Superior hypogastric plexus
腹下神经 Hypogastric nerves
下腹下丛 Inferior hypogastric plexus

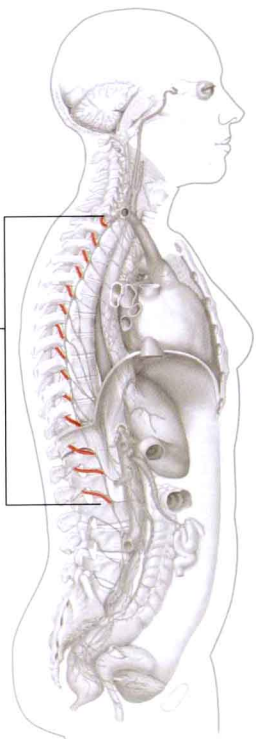
A.节前神经元胞体分布 Location of presynaptic cell bodies



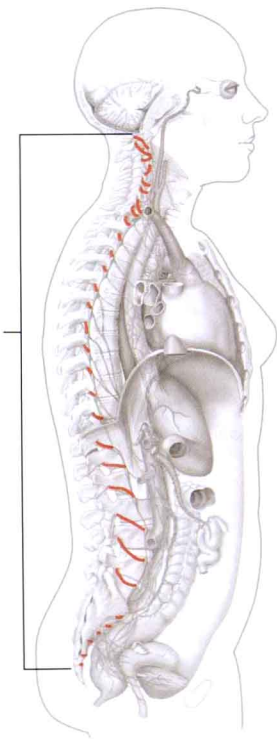
B.交感干 Sympathetic trunk



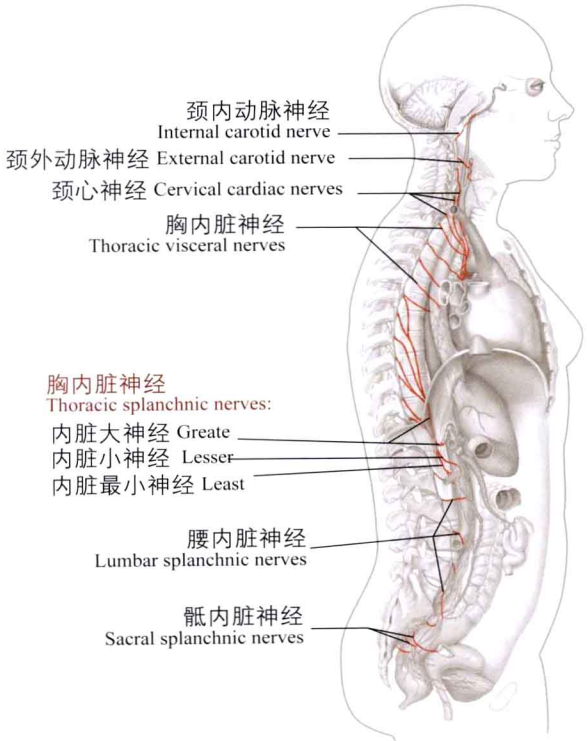
C.白交通支 White rami communicantes



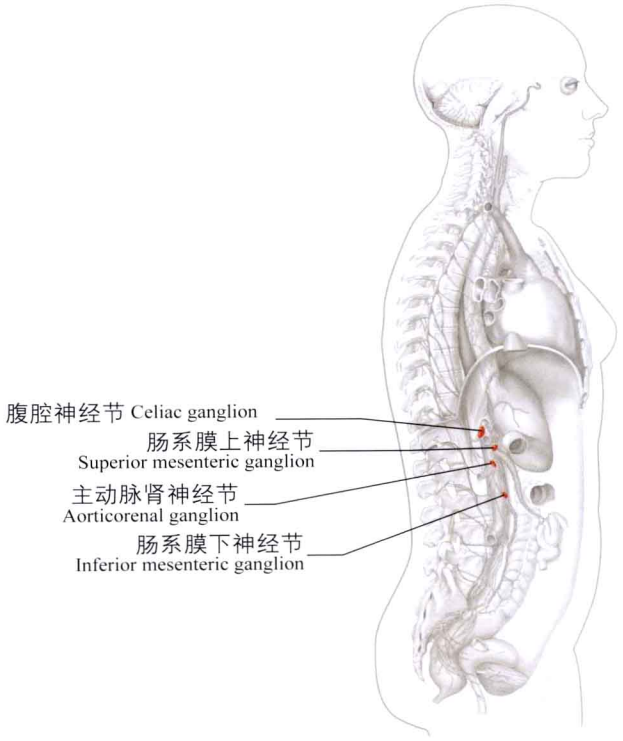
D.灰交通支 Gray rami communicantes



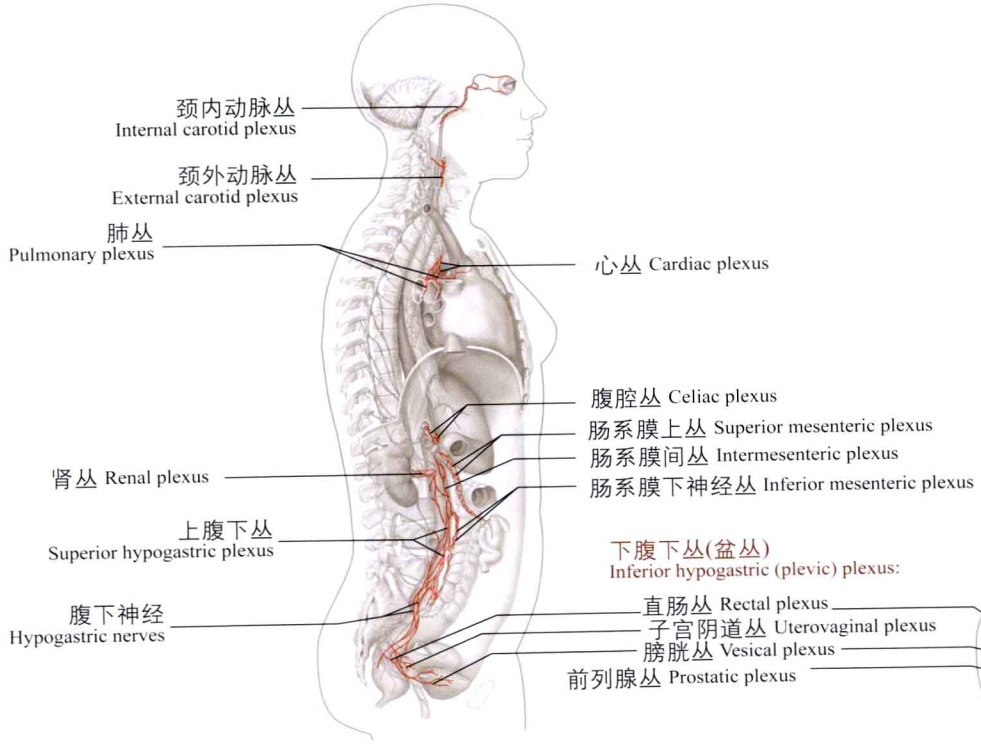
A.含有交感神经纤维的神经 Nerves that carry sympathetic fibers



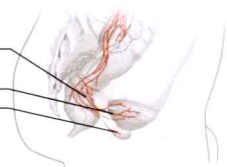
B.主动脉前神经节(椎前节)Preaortic ganglia



C.含有交感神经节后纤维的神经丛 Plexuses that carry postsynaptic sympathetic fibers

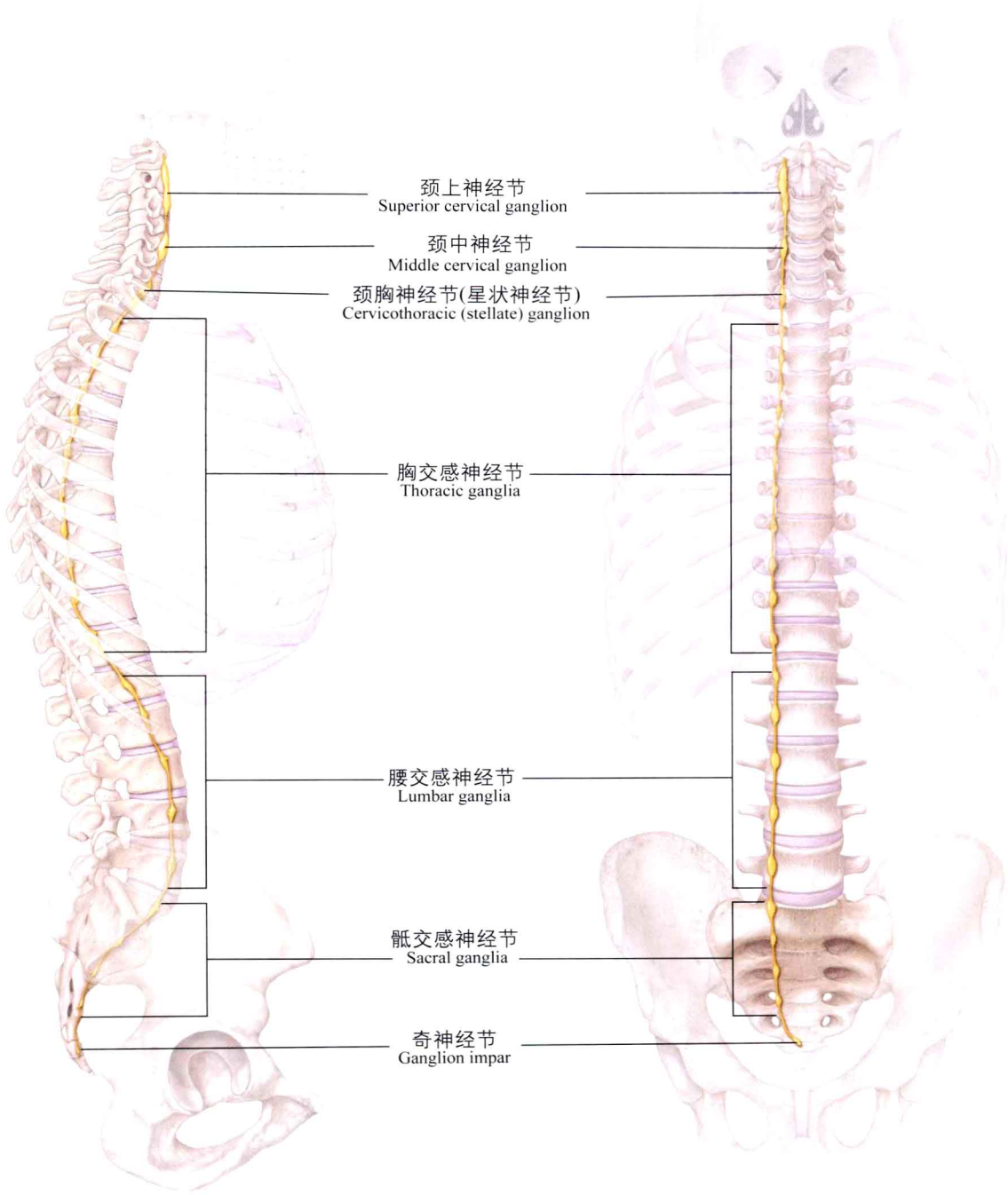


D.男性骨盆 Male pelvis

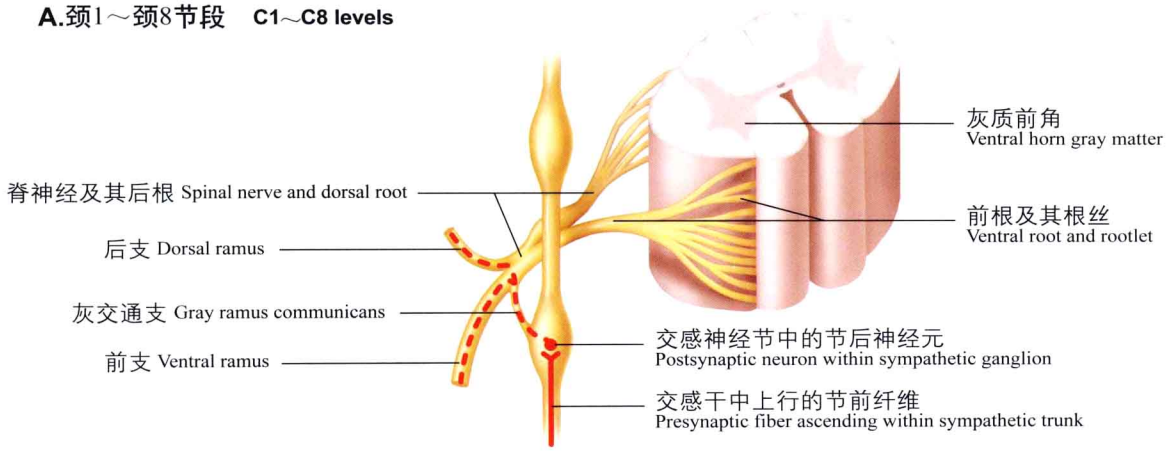


A.侧面观 Lateral view

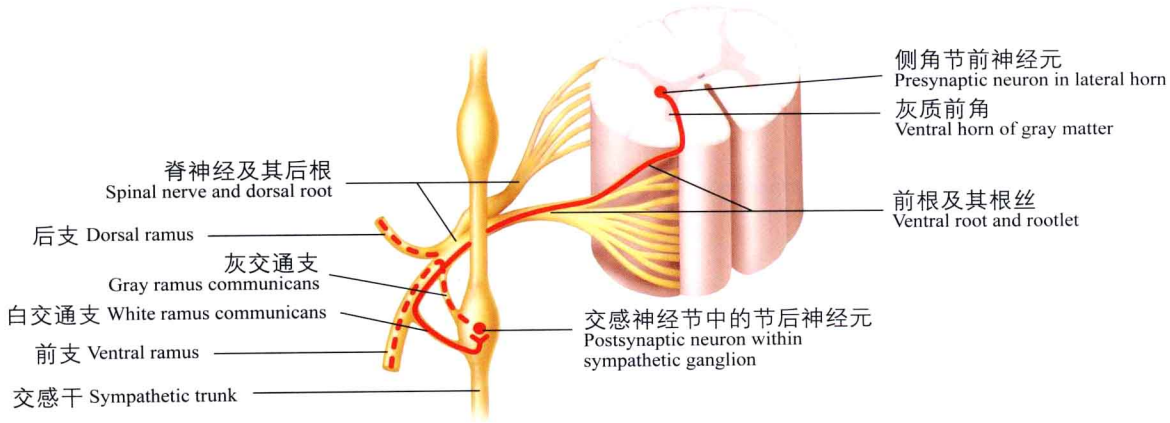
B.前面观 Anterior view



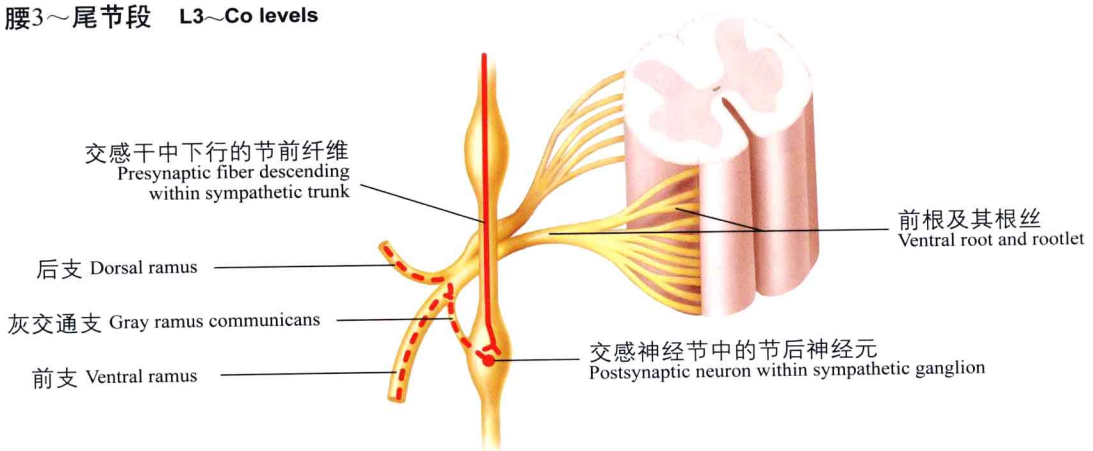
A.颈1～颈8节段 C1～C8 levels



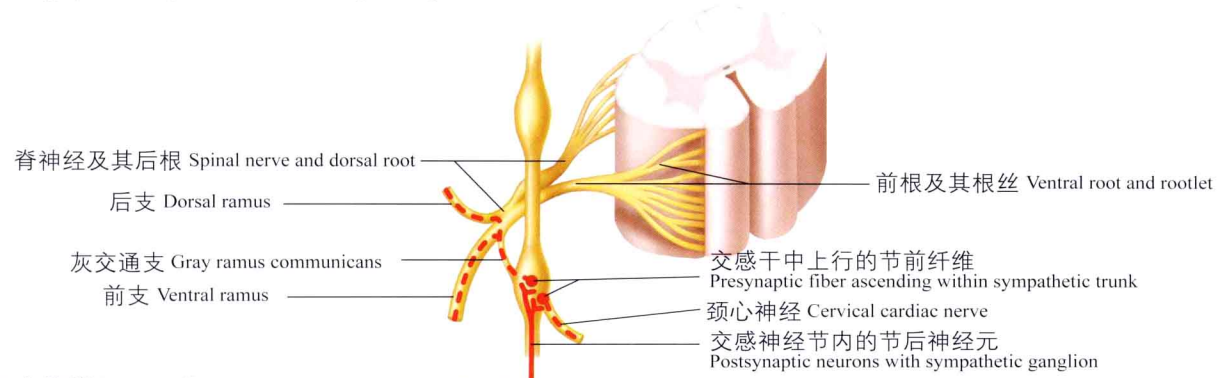
B.胸1～腰2节段 T1～L2levels



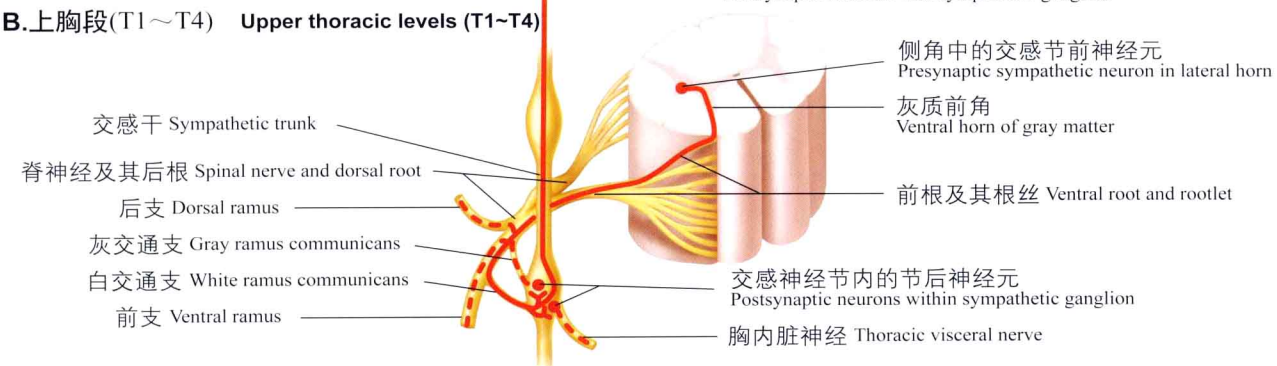
C. 腰3～尾节段 L3～Co levels



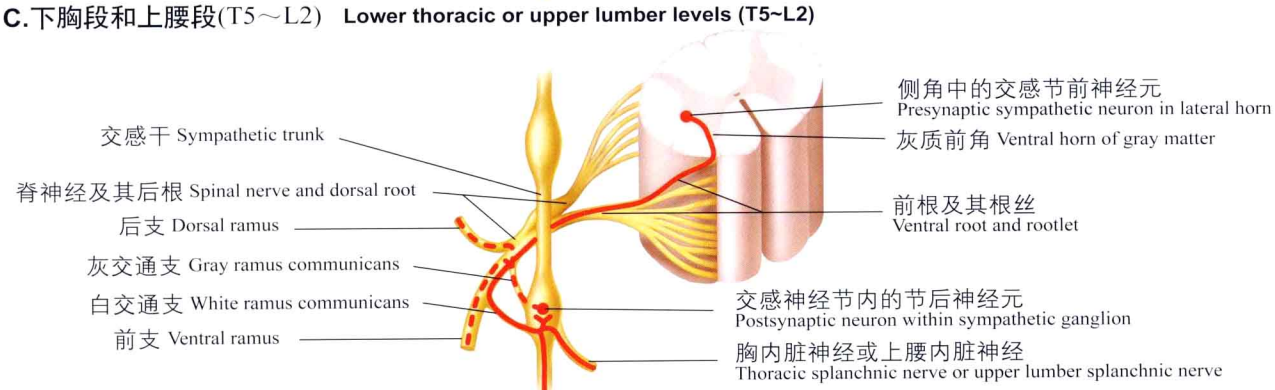
A.颈段(C1～C8) Cervical levels (C1~C8)



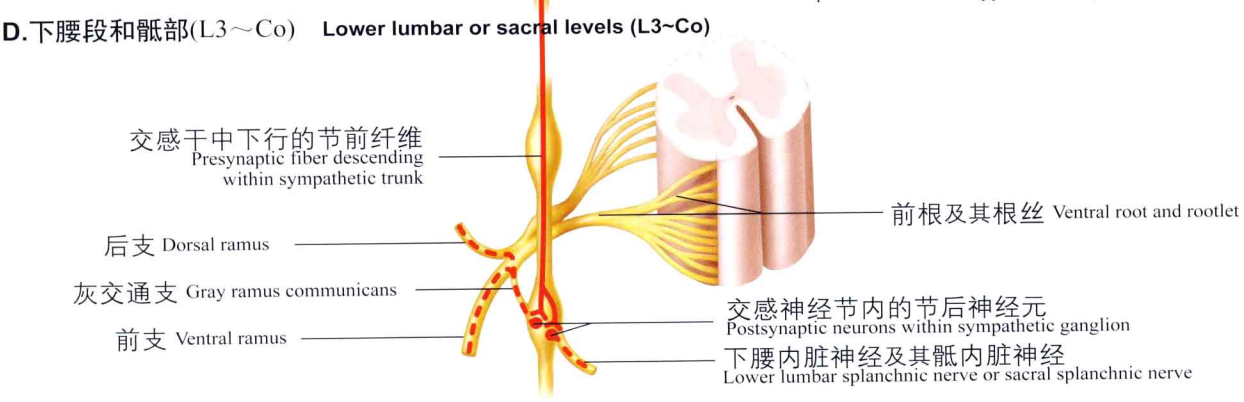
B.上胸段(T1～T4) Upper thoracic levels (T1~T4)

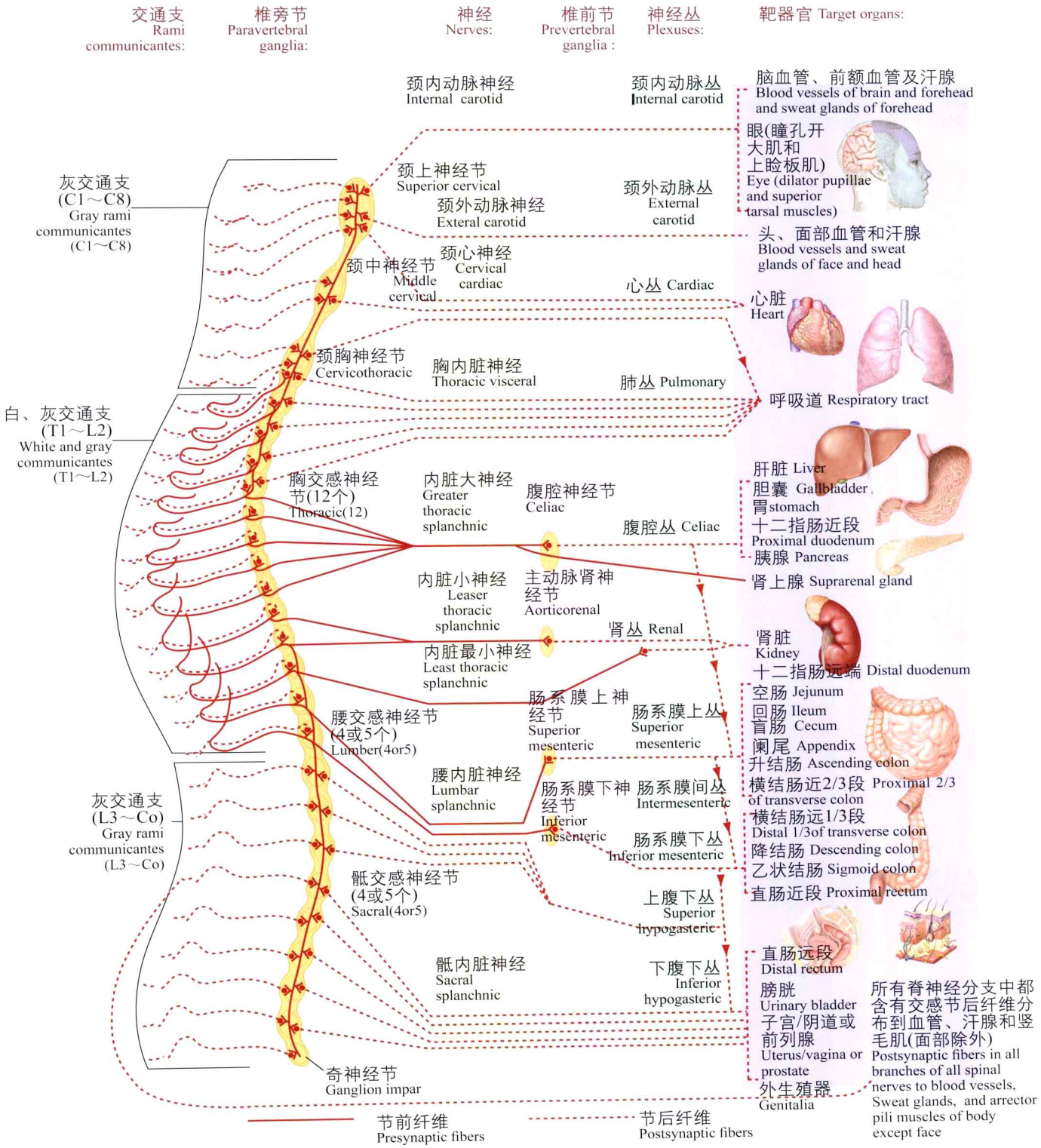


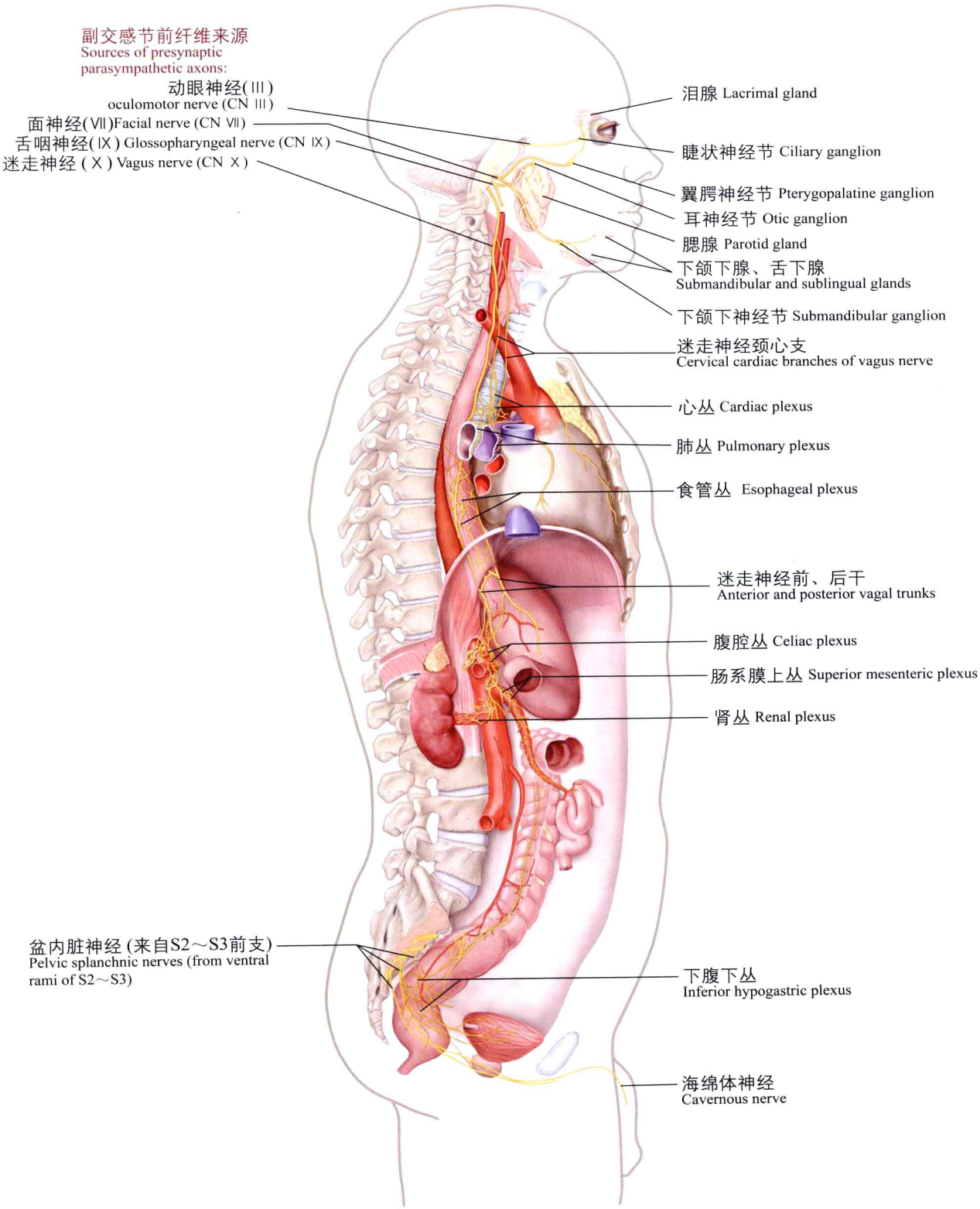
C.下胸段和上腰段(T5～L2) Lower thoracic or upper lumber levels (T5~L2)



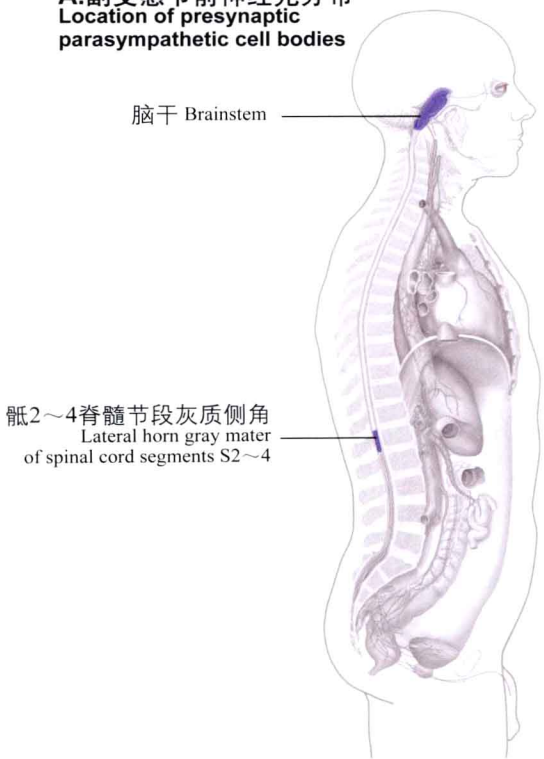
D.下腰段和骶部(L3～Co) Lower lumbar or sacral levels (L3~Co)



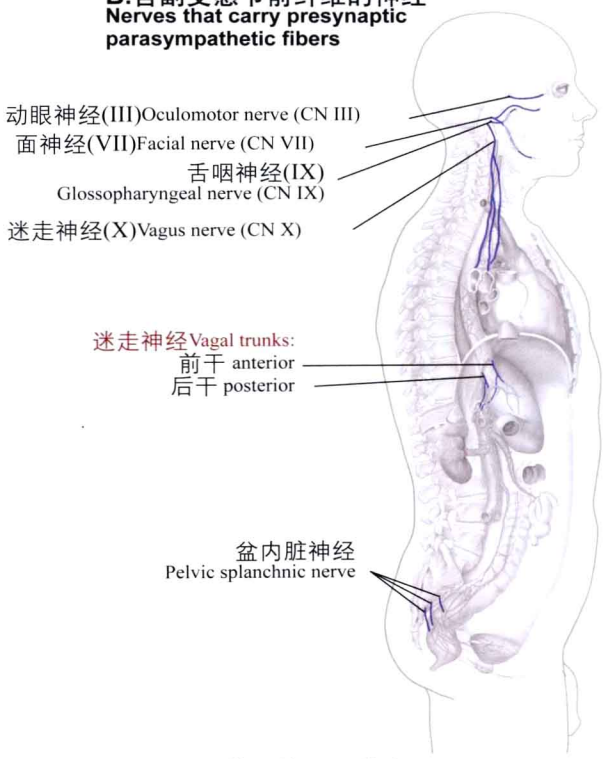

交通支 Rami communicantes:
椎旁节 Paravertebral ganglia:
神经 Nerves:
椎前节 Prevertebral ganglia :
神经丛 Plexuses:
靶器官 Target organs:
颈内动脉神经 Internal carotid
颈内动脉丛 Internal carotid
脑血管、前额血管及汗腺 Blood vessels of brain and forehead and sweat glands of forehead
眼(瞳孔开大肌和上睑板肌) Eye (dilator pupillae and superior tarsal muscles)
灰交通支 (C1～C8) Gray rami communicantes (C1～C8)
颈上神经节 Superior cervical
颈外动脉神经 Exteral carotid
颈外动脉丛 External carotid
头、面部血管和汗腺 Blood vessels and sweat glands of face and head
颈中神经节 Middle cervical
颈心神经 Cervical cardiac
心丛 Cardiac
心脏 Heart
颈胸神经节 Cervicothoracic
胸内脏神经 Thoracic visceral
肺丛 Pulmonary
呼吸道 Respiratory tract
白、灰交通支 (T1～L2) White and gray communicantes (T1～L2)
胸交感神经节(12个) Thoracic(12)
内脏大神经 Greater thoracic splanchnic
腹腔神经节 Celiac
腹腔丛 Celiac
肝脏 Liver
胆囊 Gallbladder
胃 stomach
十二指肠近段 Proximal duodenum
胰腺 Pancreas
内脏小神经 Leaser thoracic splanchnic
主动脉肾神经节 Aorticorenal
肾上腺 Suprarenal gland
肾丛 Renal
肾脏 Kidney
内脏最小神经 Least thoracic splanchnic
十二指肠远端 Distal duodenum
肠系膜上神经节 Superior mesenteric
肠系膜上丛 Superior mesenteric
空肠 Jejunum
回肠 Ileum
盲肠 Cecum
阑尾 Appendix
腰交感神经节 (4或5个) Lumber(4or5)
升结肠 Ascending colon
横结肠近2/3段 Proximal 2/3 of transverse colon
腰内脏神经 Lumbar splanchnic
肠系膜下神经节 Inferior mesenteric
肠系膜间丛 Intermesenteric
横结肠远1/3段 Distal 1/3of transverse colon
肠系膜下丛 Inferior mesenteric
降结肠 Descending colon
乙状结肠 Sigmoid colon
灰交通支 (L3～Co) Gray rami communicantes (L3～Co)
骶交感神经节 (4或5个) Sacral(4or5)
直肠近段 Proximal rectum
上腹下丛 Superior hypogasteric
直肠远段 Distal rectum
骶内脏神经 Sacral splanchnic
下腹下丛 Inferior hypogasteric
膀胱 Urinary bladder
子宫/阴道或前列腺 Uterus/vagina or prostate
外生殖器 Genitalia
所有脊神经分支中都含有交感节后纤维分布到血管、汗腺和竖毛肌(面部除外) Postsynaptic fibers in all branches of all spinal nerves to blood vessels, Sweat glands, and arrector pili muscles of body except face
奇神经节 Ganglion impar
节前纤维 Presynaptic fibers
节后纤维 Postsynaptic fibers


副交感节前纤维来源
Sources of presynaptic parasympathetic axons:
动眼神经(Ⅲ)
oculomotor nerve (CN Ⅲ)
面神经(Ⅶ)Facial nerve (CN Ⅶ)
舌咽神经(Ⅸ) Glossopharyngeal nerve (CN Ⅸ)
迷走神经(Ⅹ) Vagus nerve (CN Ⅹ)
泪腺 Lacrimal gland
睫状神经节 Ciliary ganglion
翼腭神经节 Pterygopalatine ganglion
耳神经节 Otic ganglion
腮腺 Parotid gland
下颌下腺、舌下腺
Submandibular and sublingual glands
下颌下神经节 Submandibular ganglion
迷走神经颈心支
Cervical cardiac branches of vagus nerve
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管丛 Esophageal plexus
迷走神经前、后干
Anterior and posterior vagal trunks
腹腔丛 Celiac plexus
肠系膜上丛 Superior mesenteric plexus
肾丛 Renal plexus
盆内脏神经(来自S2～S3前支)
Pelvic splanchnic nerves (from ventral rami of S2～S3)
下腹下丛
Inferior hypogastric plexus
海绵体神经
Cavernous nerve

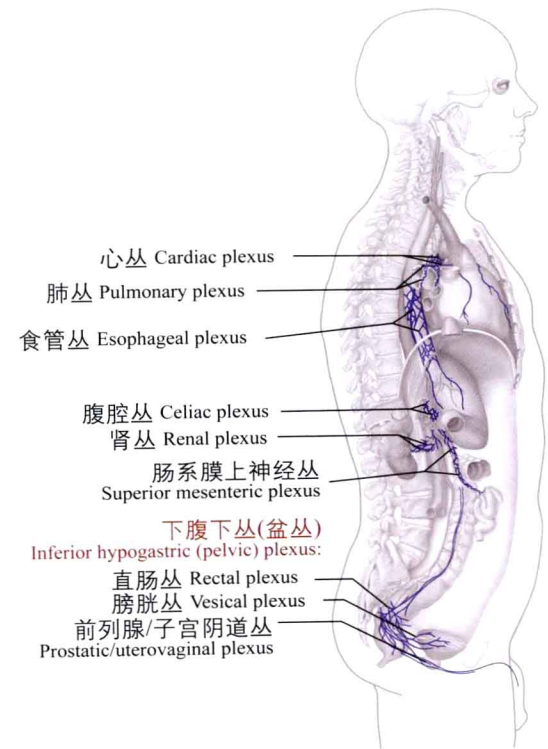
A.副交感节前神经元分布
Location of presynaptic parasympathetic cell bodies



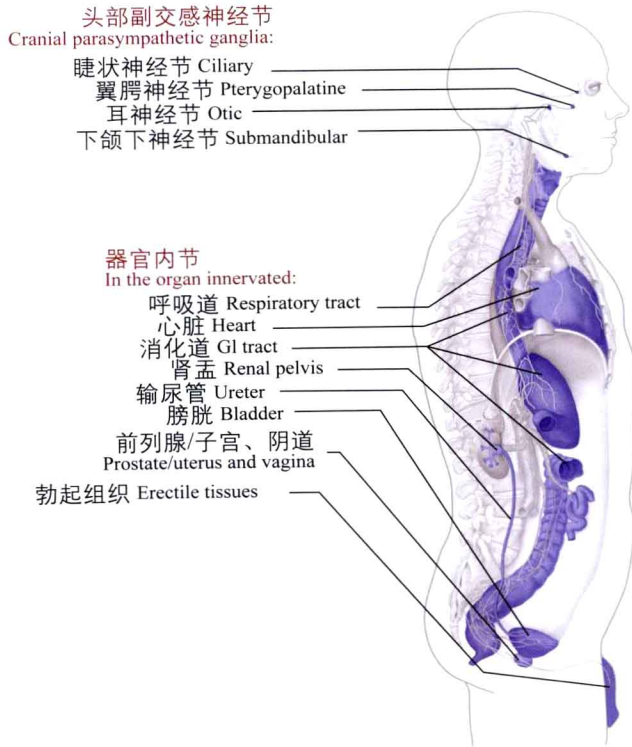
B.含副交感节前纤维的神经
Nerves that carry presynaptic parasympathetic fibers



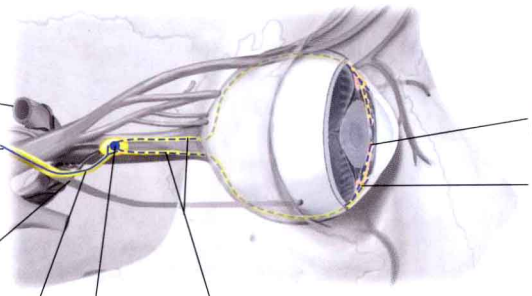
C.含副交感节前纤维的神经丛
plexuses that carry presynaptic parasympathetic fibers



D. 副交感节后神经元分布
Location of postsynaptic paraysmpathetic cell bodies



A.睫状神经节 Ciliary ganglion



颈内动脉
Internal carotid artery

动眼神经(III)
Oculomotor nerve (CN III)

动眼神经下斜肌支
Inferior division of oculomotor nerve

睫状神经节运动(副交感)根
Motor (parasympathetic) root of ciliary ganglion

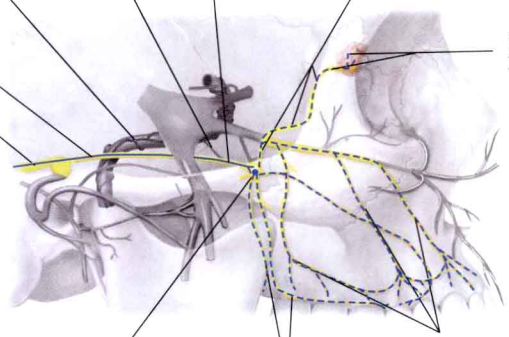
睫状短神经
Short ciliary nerves

睫状神经节内副交感节后神经元
Postsynaptic parasympathetic neuron within ciliary ganglion

瞳孔括约肌
Sphincter pupillae muscle

睫状肌 Ciliary muscle

B.翼腭神经节 Pterygopalatine ganglion



岩深神经
Deep petrosal nerve

翼管神经
Nerve of pterygoidcanal

颧神经，颧颞支，交通支
Zygomatic nerve, zygomaticotemporal branch, and communicating branch

颈内动脉丛
Internal carotid plexus

岩大神经
Greater petrosal nerve

面神经(脑神经VII)
Facial nerve (CN VII)

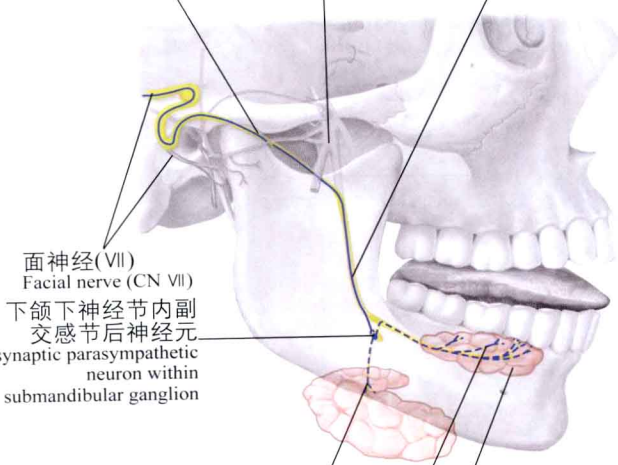
泪腺神经、泪腺
Lacrimal nerve and gland

翼腭神经节内副交感节后神经元
Postsynaptic parasympathetic neuron within pterygopalatine ganglion

支配腭部黏液腺的腭大、小神经
Lesser and greater palatine nerves to mucous glands of palate

分布至鼻腔和鼻窦黏液腺的三叉神经上颌支纤维
Branches of maxillary division of trigeminal to mucous glands of nasal cavity and paranasal sinuses

C.下颌下神经节 submandibular ganglion



三叉神经的下颌神经(VIII)
Mandibular division of trigeminal nerve (VIII)

鼓索 Chorda tympani

舌神经 Lingual nerve

面神经(VII)
Facial nerve (CN VII)

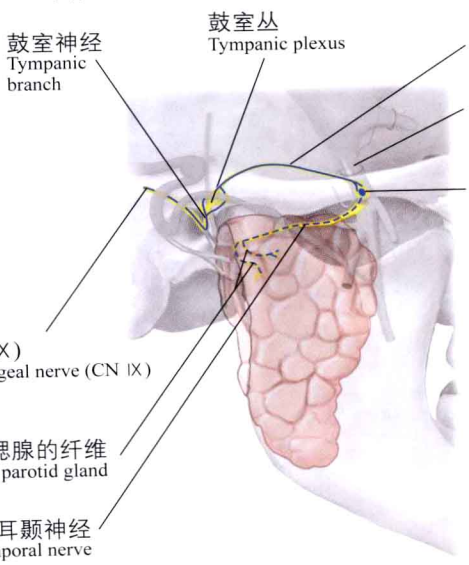
下颌下神经节内副交感节后神经元
Postsynaptic parasympathetic neuron within submandibular ganglion

支配下颌下腺的副交感节后纤维
Postsynaptic parasympathetic fiber within submandibular gland

舌下腺
Sublingual gland

行走于舌神经中的支配舌下腺，舌和口腔底部黏液腺的副交感节后纤维
Postsynaptic parasympathetic fibers traveling within lingual nerve to sublingual gland and mucous glands of tongue and lower oral cavity

D.耳神经节 Otic ganglion



鼓室神经
Tympanic branch

鼓室丛
Tympanic plexus

岩小神经
Lesser petrosal nerve

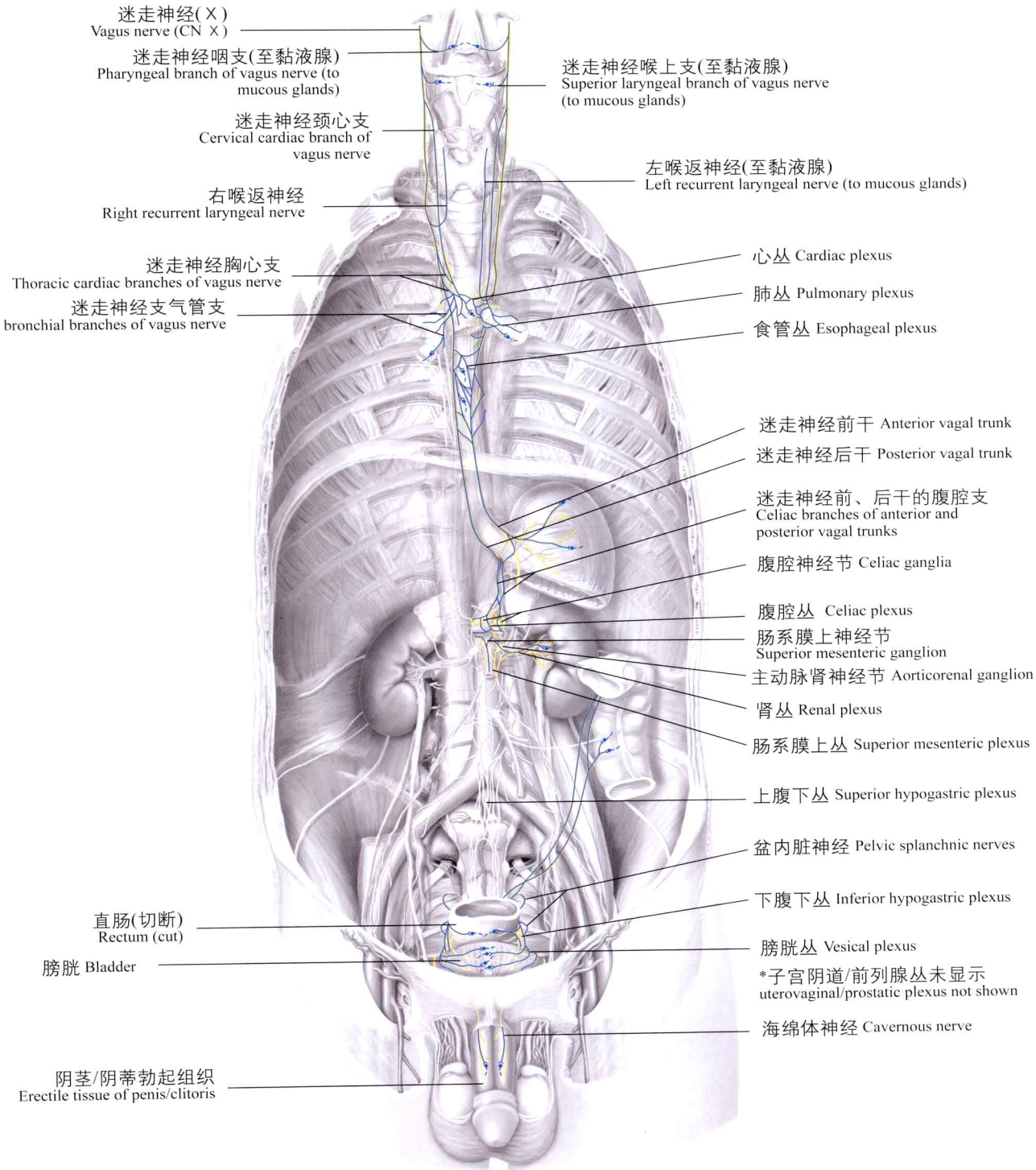
三叉神经的下颌神经 (V3)
Mandibular division of trigeminal nerve (V3)

耳神经节内节后神经元(下颌神经内侧)
Postsyaptic neuron within otic gnaglion (medial to mandibular division)

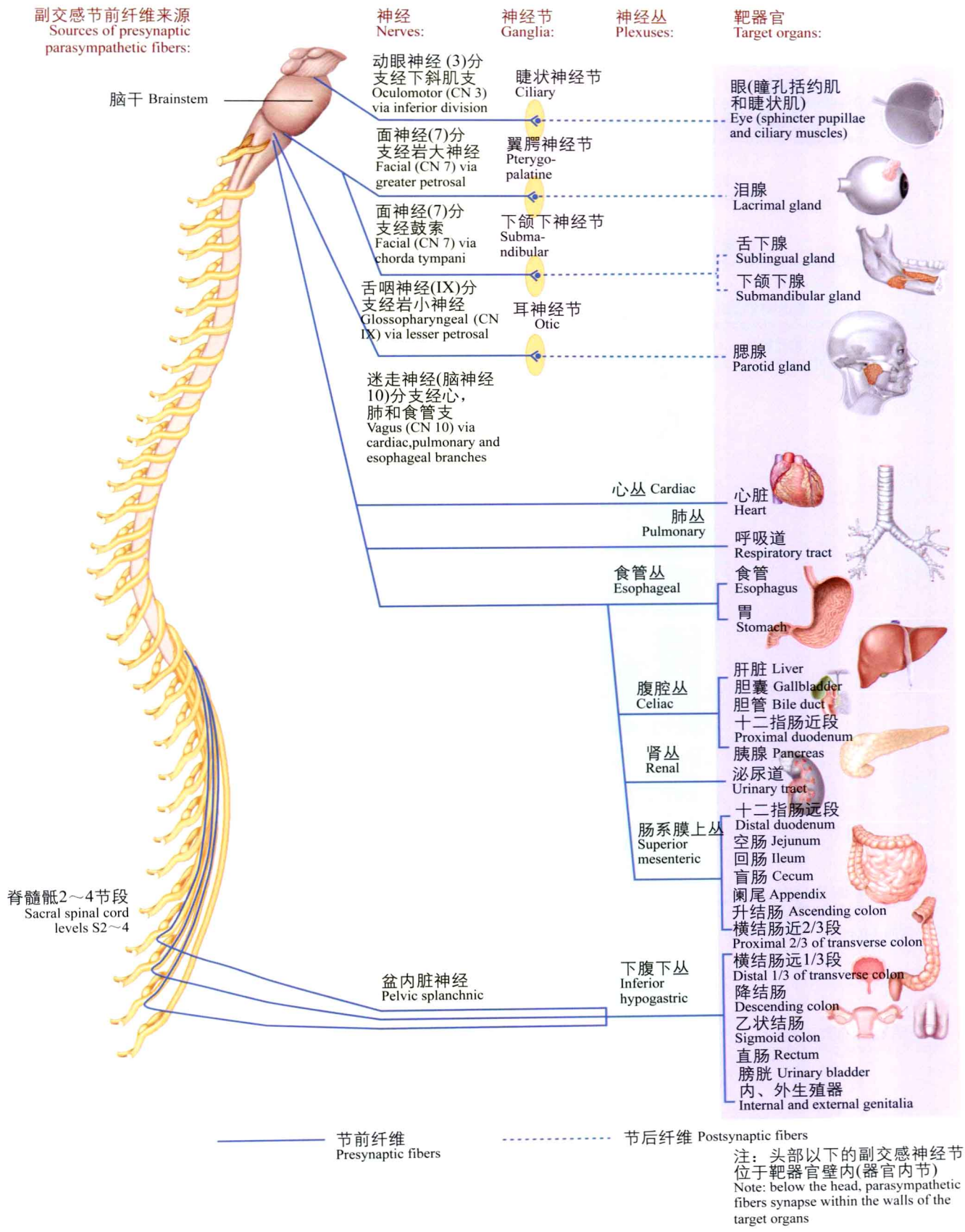
舌咽神经(IX)
Glossopharyngeal nerve (CN IX)

支配腮腺的纤维
Branches to parotid gland

耳颞神经
Auriculotemporal nerve

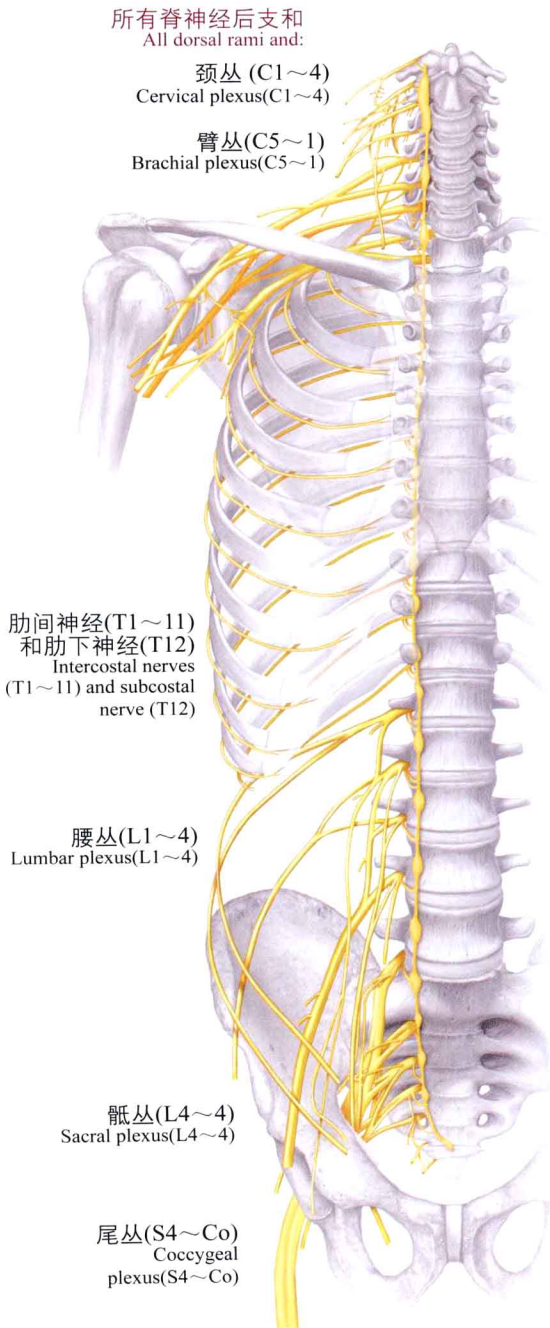

迷走神经(Ⅹ)
Vagus nerve (CN Ⅹ)
迷走神经咽支(至黏液腺)
Pharyngeal branch of vagus nerve (to mucous glands)
迷走神经颈心支
Cervical cardiac branch of vagus nerve
右喉返神经
Right recurrent laryngeal nerve
迷走神经胸心支
Thoracic cardiac branches of vagus nerve
迷走神经支气管支
bronchial branches of vagus nerve
迷走神经喉上支(至黏液腺)
Superior laryngeal branch of vagus nerve (to mucous glands)
左喉返神经(至黏液腺)
Left recurrent laryngeal nerve (to mucous glands)
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管丛 Esophageal plexus
迷走神经前干 Anterior vagal trunk
迷走神经后干 Posterior vagal trunk
迷走神经前、后干的腹腔支
Celiac branches of anterior and posterior vagal trunks
腹腔神经节 Celiac ganglia
腹腔丛 Celiac plexus
肠系膜上神经节
Superior mesenteric ganglion
主动脉肾神经节 Aorticorenal ganglion
肾丛 Renal plexus
肠系膜上丛 Superior mesenteric plexus
上腹下丛 Superior hypogastric plexus
盆内脏神经 Pelvic splanchnic nerves
下腹下丛 Inferior hypogastric plexus
膀胱丛 Vesical plexus
*子宫阴道/前列腺丛未显示
uterovaginal/prostatic plexus not shown
海绵体神经 Cavernous nerve
直肠(切断)
Rectum (cut)
膀胱 Bladder
阴茎/阴蒂勃起组织
Erectile tissue of penis/clitoris

副交感神经系统分布 Pathways of the Parasympathetic Nervous System

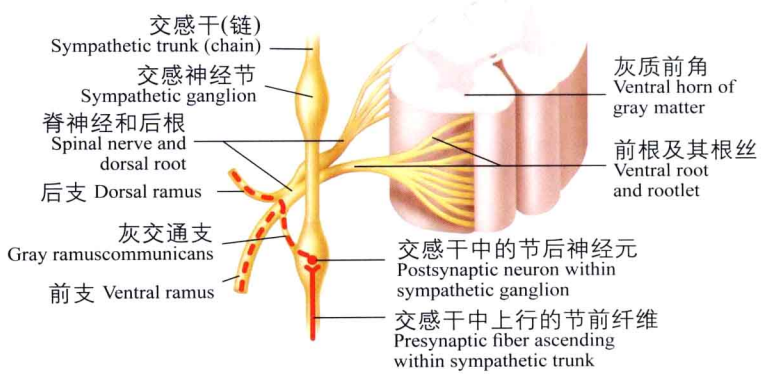


注：头部以下的副交感神经节位于靶器官壁内(器官内节)
Note: below the head, parasympathetic fibers synapse within the walls of the target organs

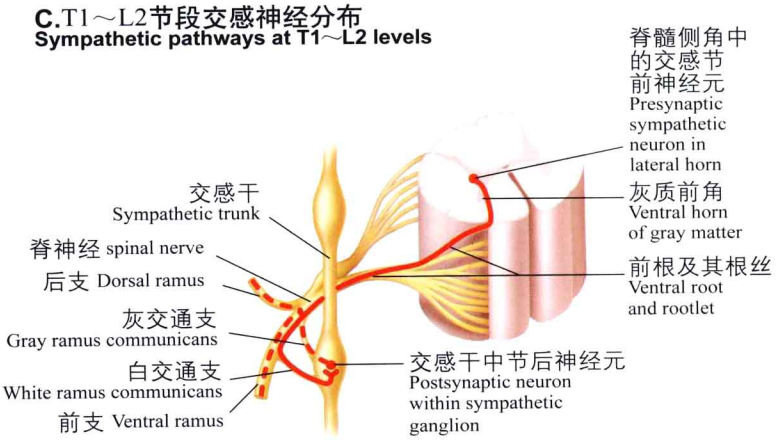
A.传递交感纤维到四肢和体壁的神经
Nerves carrying sympathetic fibers to the limbs and body wall



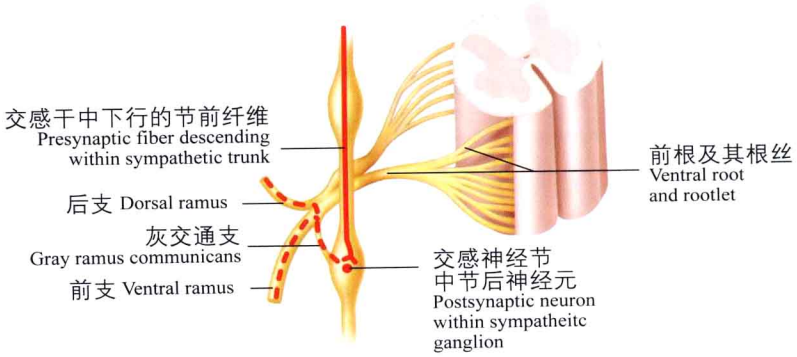
B.C1～C8节段交感神经分布
Sympathetic pathways at C1～C8 levels

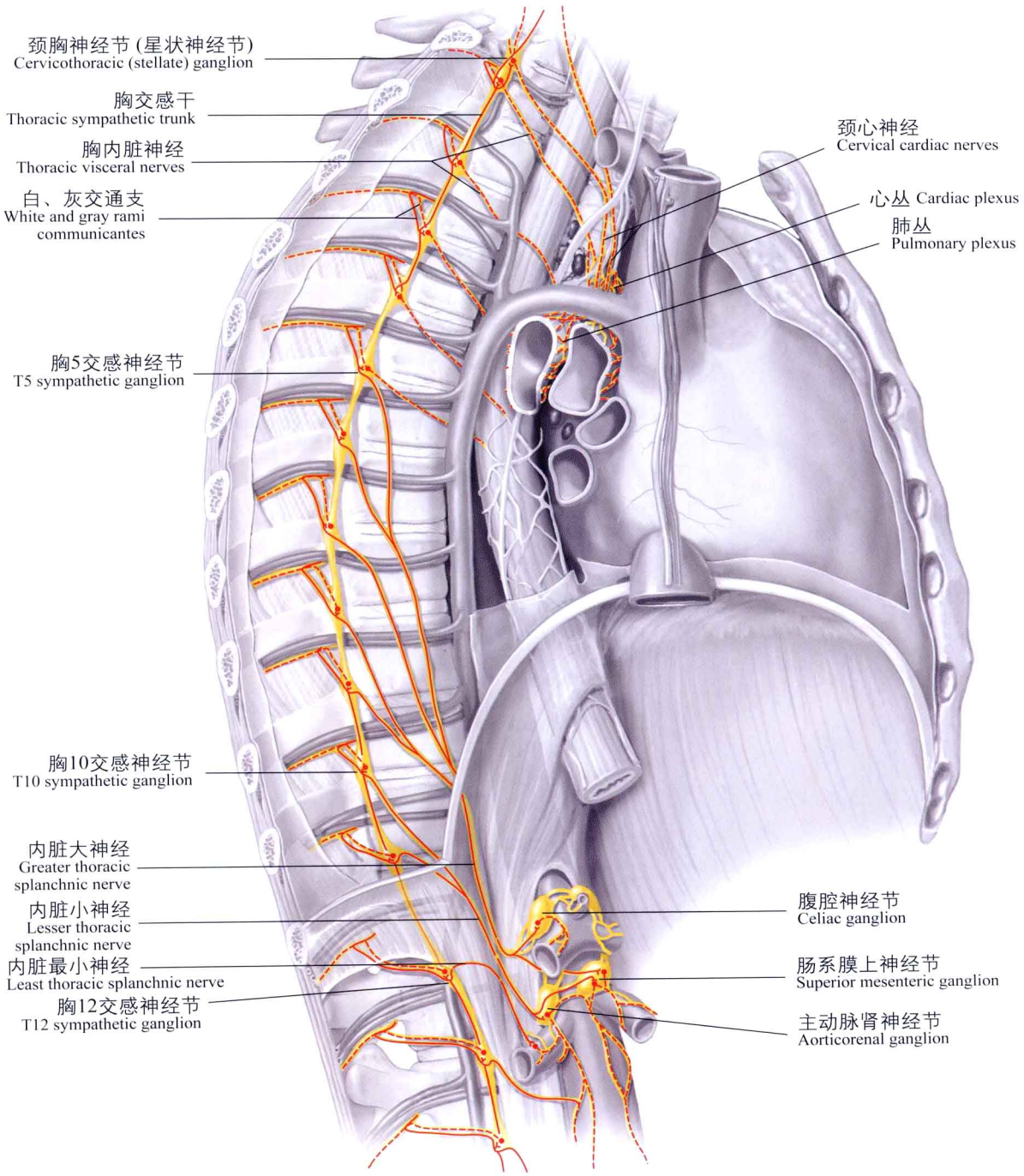


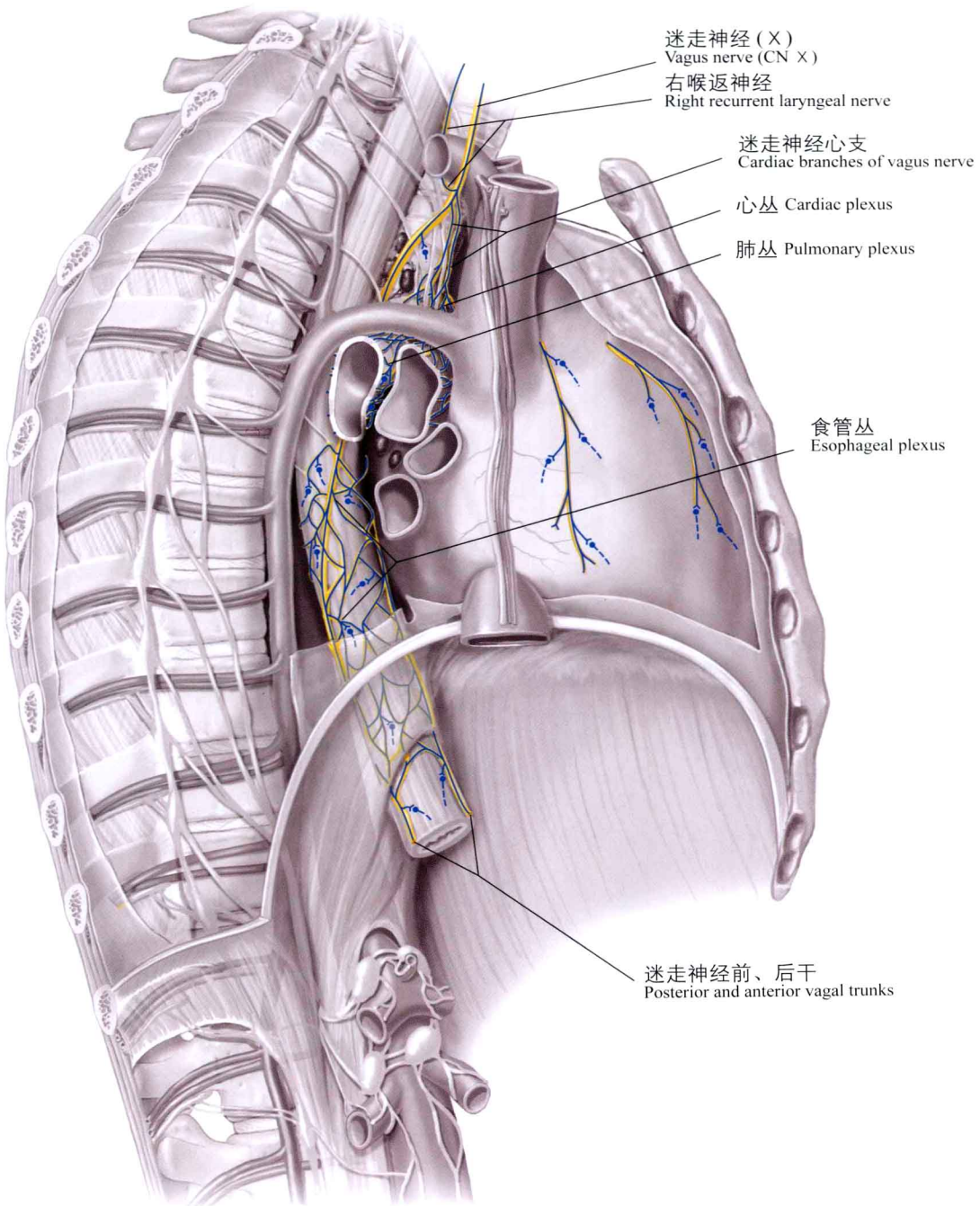
C.T1～L2节段交感神经分布
Sympathetic pathways at T1～L2 levels

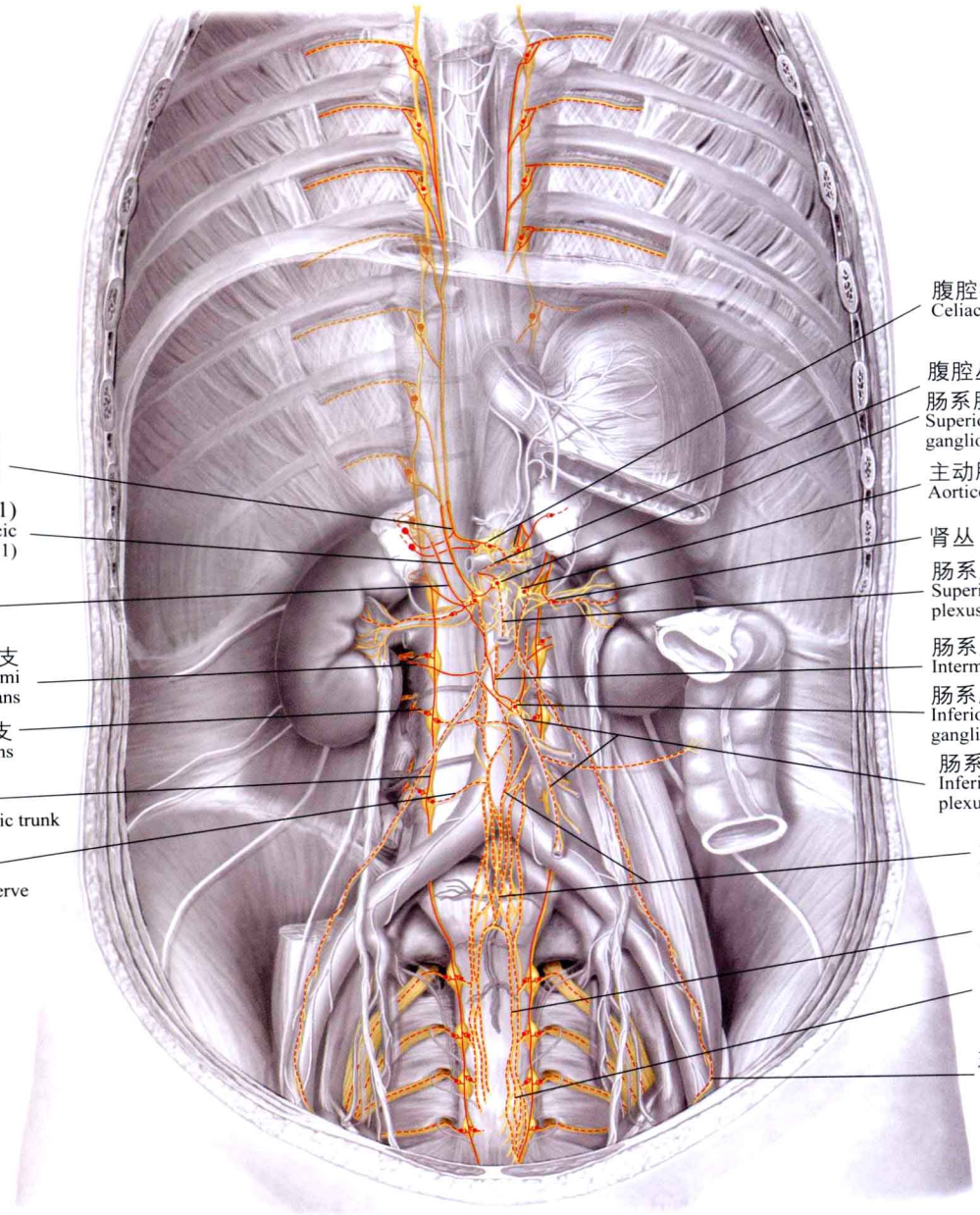


D. 腰3～尾节段交感神经分布
Sympathetic pathways at L3～Co levels




颈胸神经节 (星状神经节)
Cervicothoracic (stellate) ganglion
胸交感干
Thoracic sympathetic trunk
胸内脏神经
Thoracic visceral nerves
白、灰交通支
White and gray rami communicantes
胸5交感神经节
T5 sympathetic ganglion
胸10交感神经节
T10 sympathetic ganglion
内脏大神经
Greater thoracic splanchnic nerve
内脏小神经
Lesser thoracic splanchnic nerve
内脏最小神经
Least thoracic splanchnic nerve
胸12交感神经节
T12 sympathetic ganglion
颈心神经
Cervical cardiac nerves
心丛 Cardiac plexus
肺丛
Pulmonary plexus
腹腔神经节
Celiac ganglion
肠系膜上神经节
Superior mesenteric ganglion
主动脉肾神经节
Aorticorenal ganglion


迷走神经（X）
Vagus nerve (CN X)
右喉返神经
Right recurrent laryngeal nerve
迷走神经心支
Cardiac branches of vagus nerve
心丛 Cardiac plexus
肺丛 Pulmonary plexus
食管丛
Esophageal plexus
迷走神经前、后干
Posterior and anterior vagal trunks



内脏大神经
(来自T5～T9)
Greater thoracic splanchnic (from T5～T9)

内脏小神经(来自T10～T11)
Lesser thoracic splanchnic (from T10～T11)

内脏最小神经(来自T12)
Lest thoracic splanchnic (from T12)

白、灰交通支
White and gray rami communicans

灰交通支
Grary ramus communicans

腰交感干
Laumbar sympathetic trunk

腰内脏神经
Laumbar splanchnic nerve

腹腔神经节
Celiac ganglion

腹腔丛 Celiac plexus

肠系膜上神经节
Superior mesenteric ganglion

主动脉肾神经节
Aorticorenal ganglion

肾丛 Renal plexus

肠系膜上丛
Superior mesenteric plexus

肠系膜间丛
Intermesenteric plexus

肠系膜下神经节
Inferior mesenteric ganglion

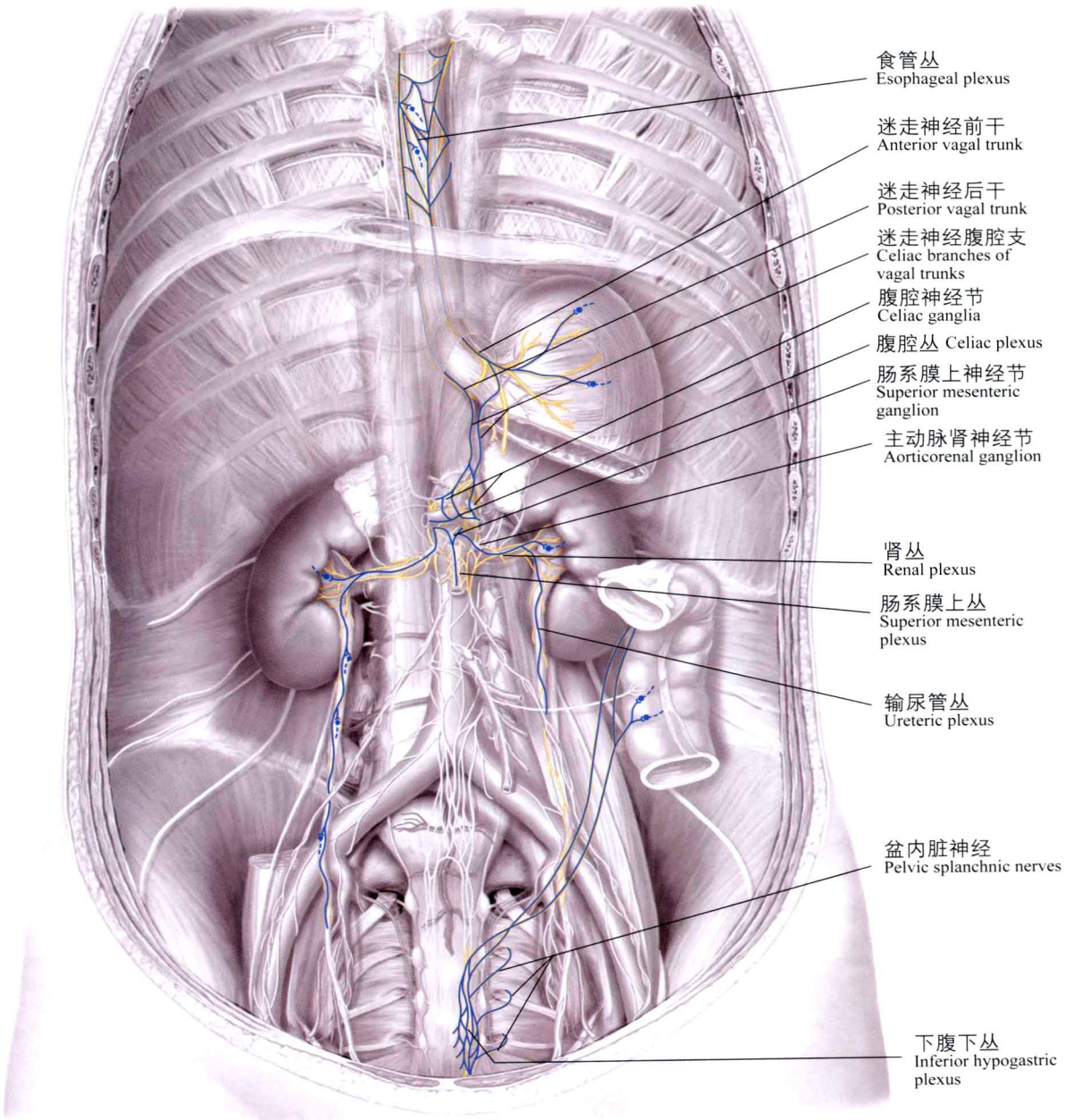
肠系膜下丛
Inferior mesenteric plexus

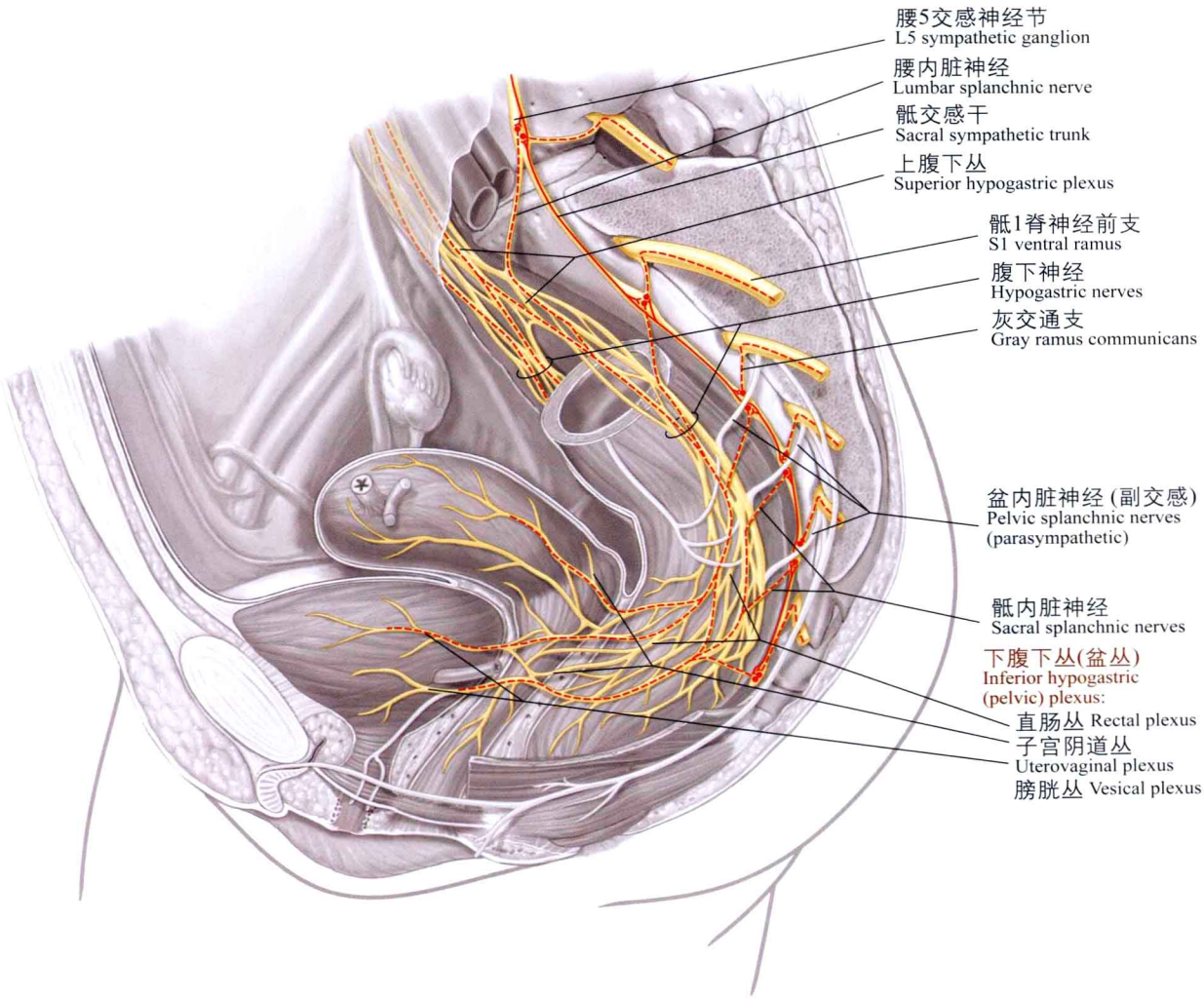
上腹下丛
Superior hypogastri plexus

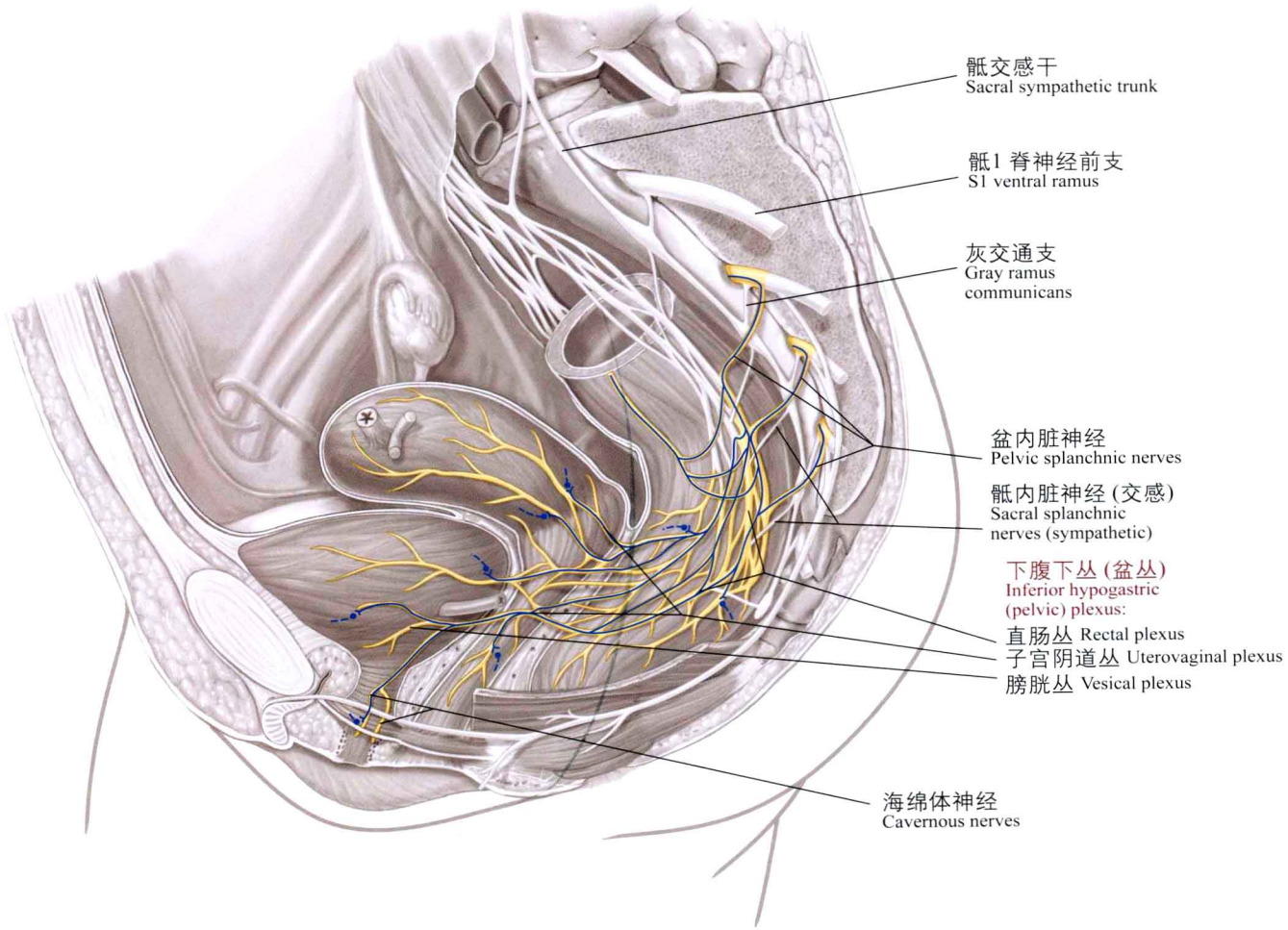
腹下神经
Hypogastric nerve

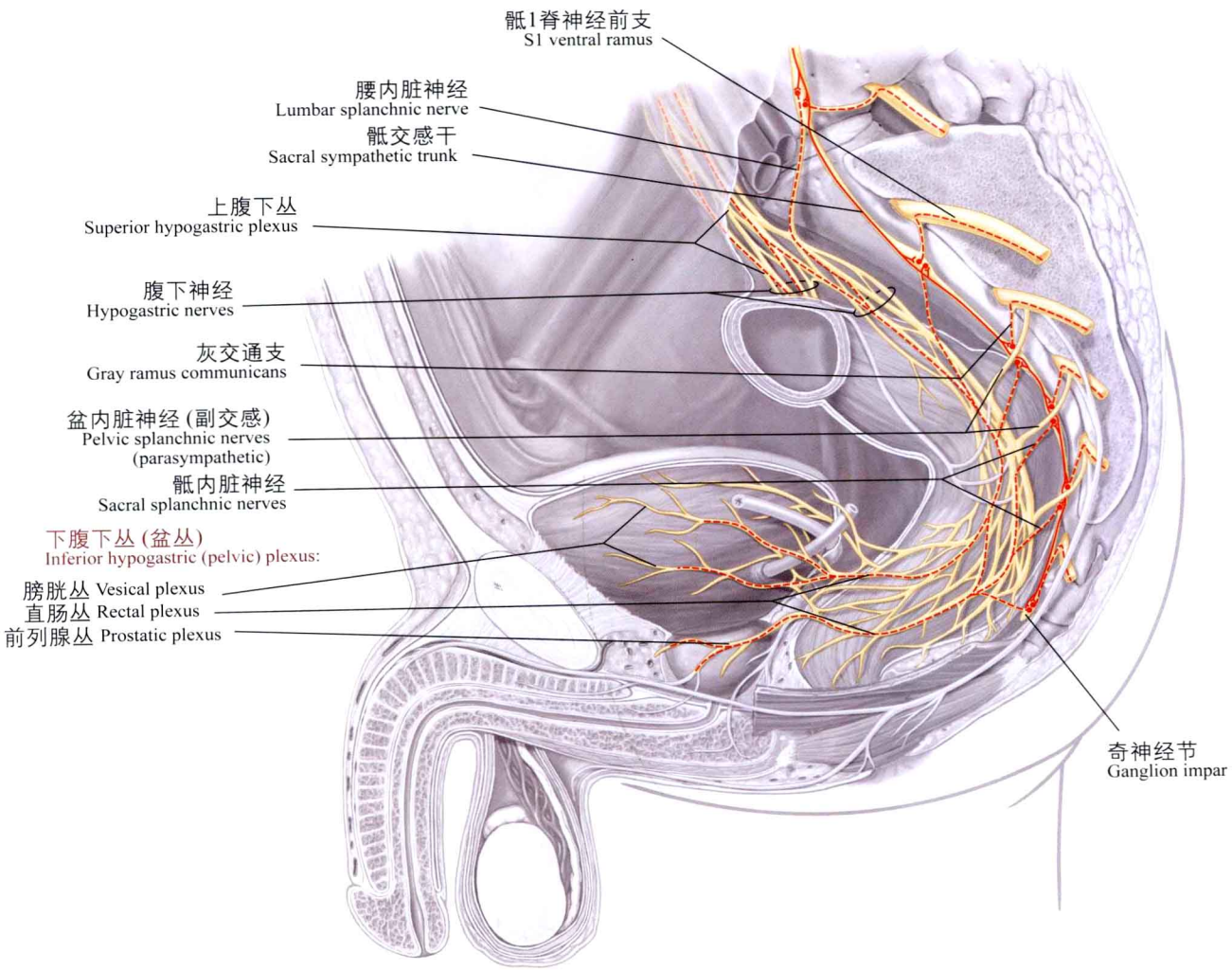
下腹下丛
Inferior hypogastric plexue

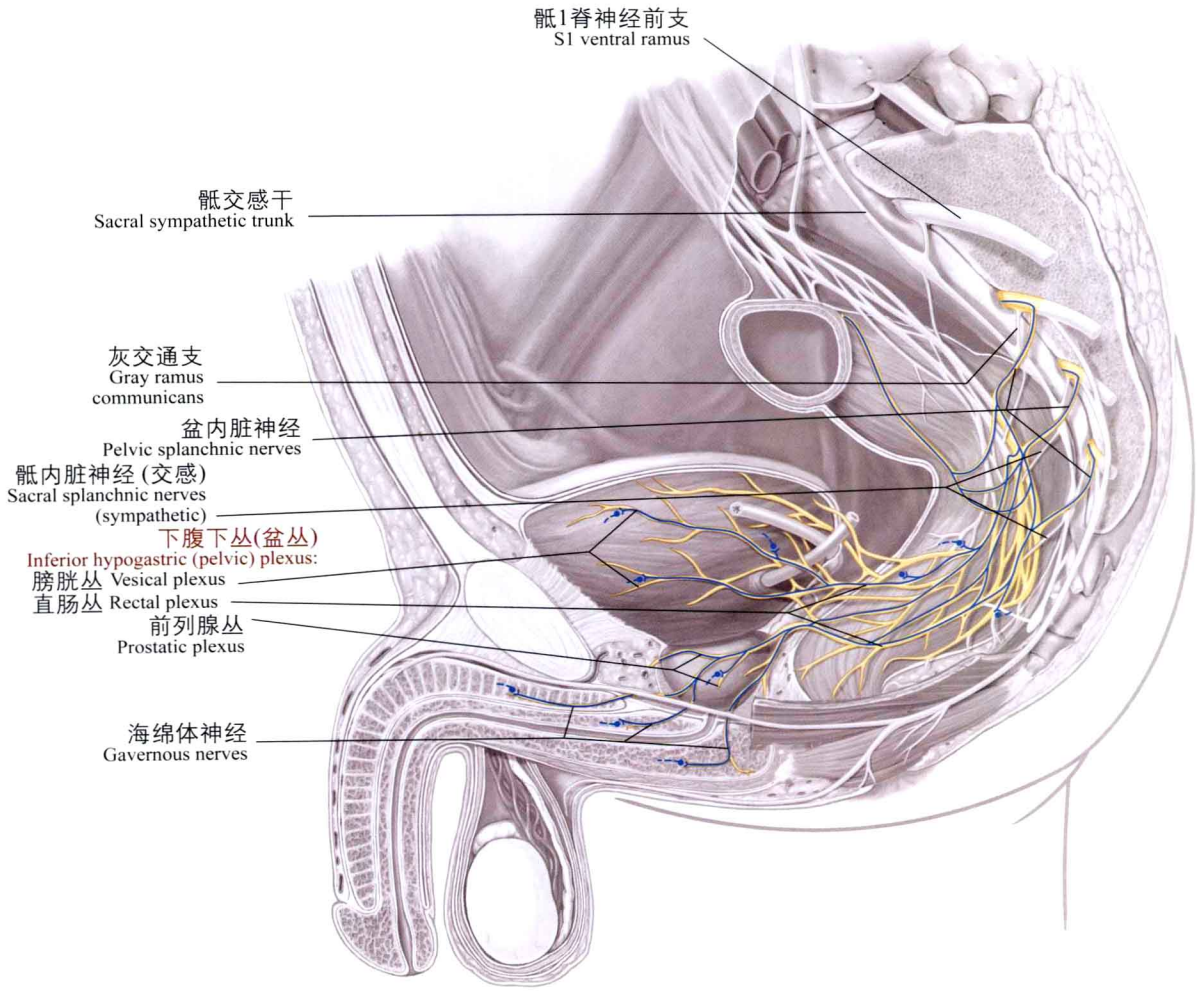
睾丸丛
Testicular plexus

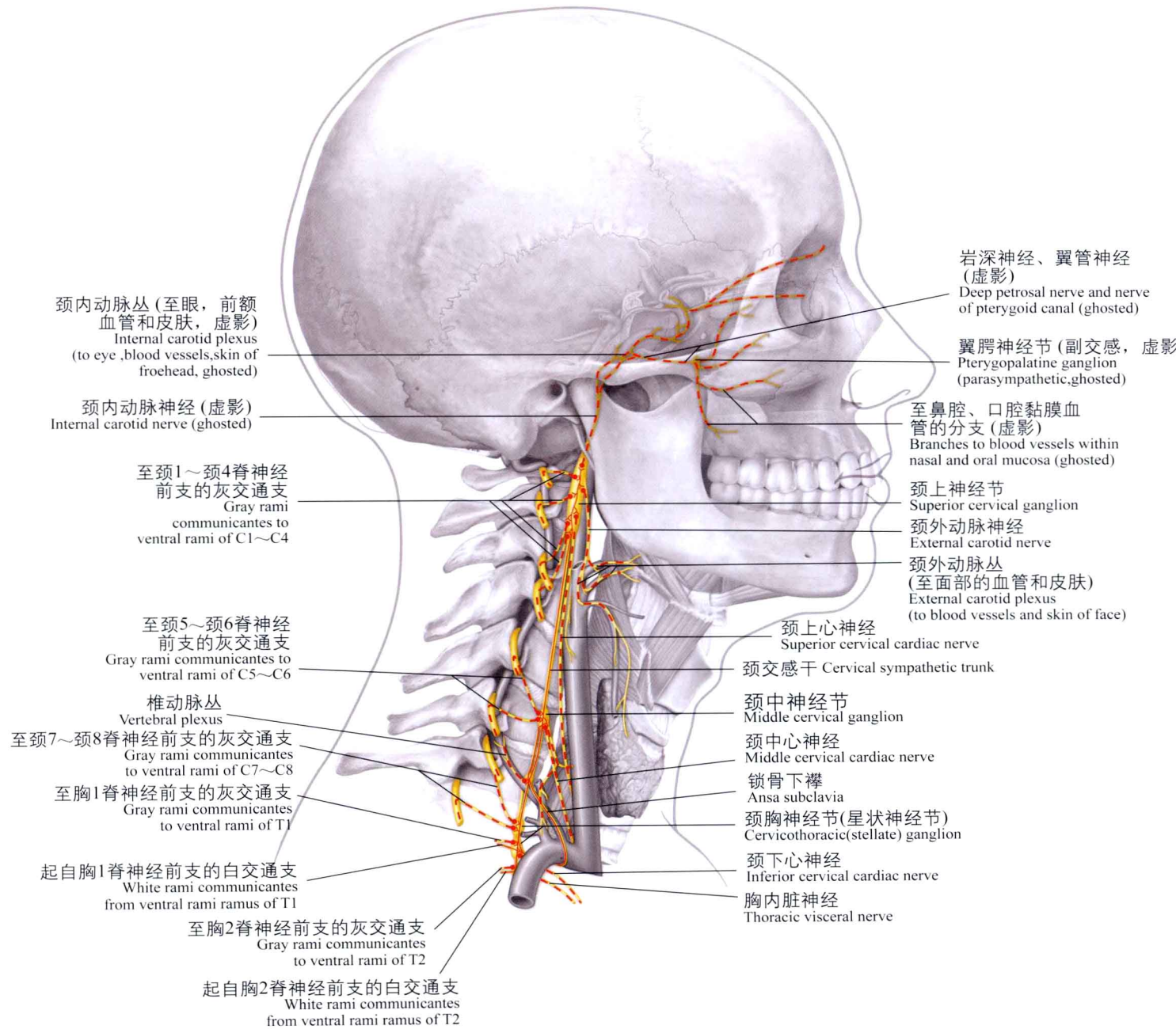

食管丛
Esophageal plexus
迷走神经前干
Anterior vagal trunk
迷走神经后干
Posterior vagal trunk
迷走神经腹腔支
Celiac branches of vagal trunks
腹腔神经节
Celiac ganglia
腹腔丛 Celiac plexus
肠系膜上神经节
Superior mesenteric ganglion
主动脉肾神经节
Aorticorenal ganglion
肾丛
Renal plexus
肠系膜上丛
Superior mesenteric plexus
输尿管丛
Ureteric plexus
盆内脏神经
Pelvic splanchnic nerves
下腹下丛
Inferior hypogastric plexus

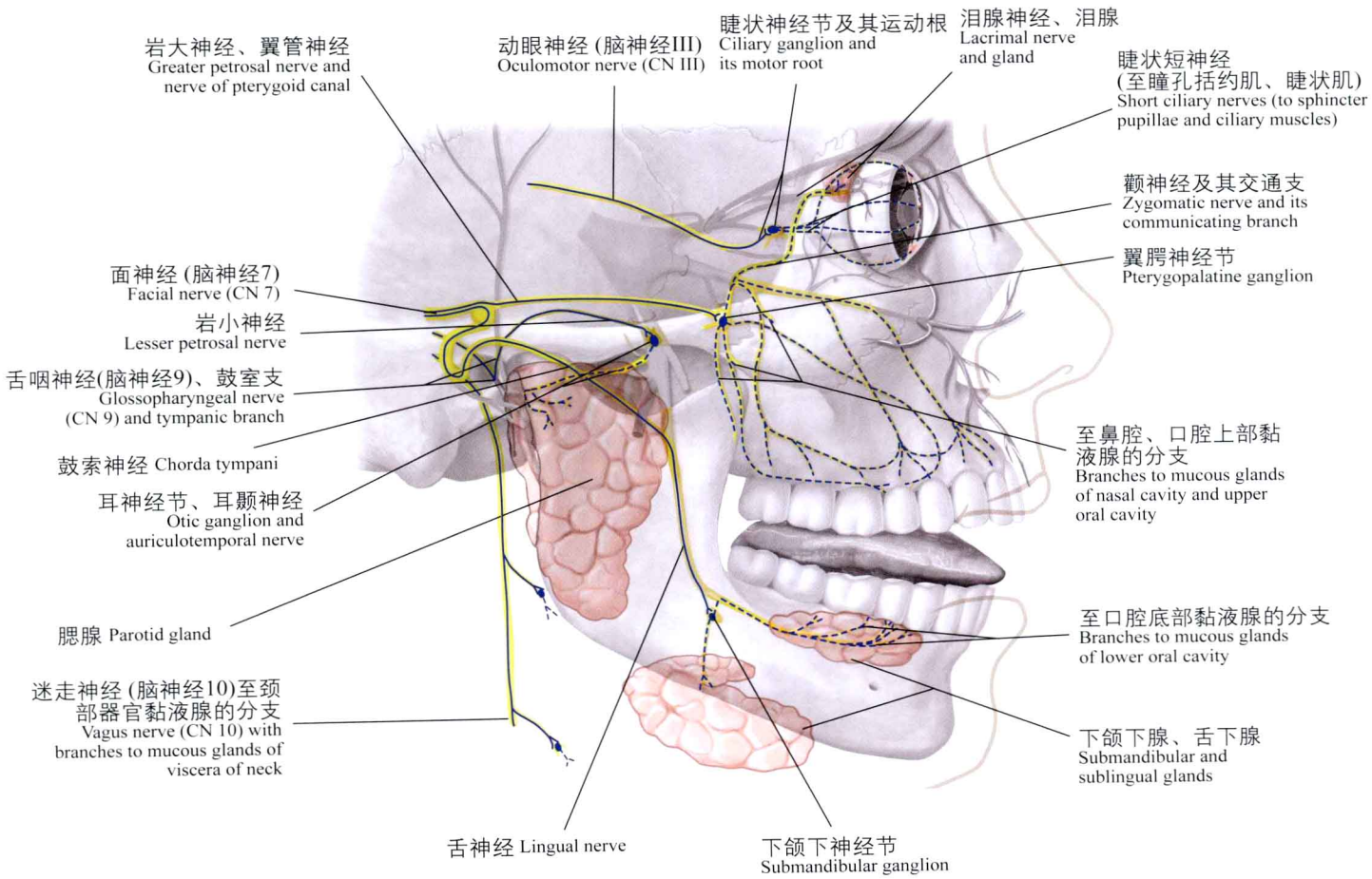

腰5交感神经节
L5 sympathetic ganglion
腰内脏神经
Lumbar splanchnic nerve
骶交感干
Sacral sympathetic trunk
上腹下丛
Superior hypogastric plexus
骶1脊神经前支
S1 ventral ramus
腹下神经
Hypogastric nerves
灰交通支
Gray ramus communicans
盆内脏神经 (副交感)
Pelvic splanchnic nerves
(parasympathetic)
骶内脏神经
Sacral splanchnic nerves
下腹下丛(盆丛)
Inferior hypogastric
(pelvic) plexus:
直肠丛 Rectal plexus
子宫阴道丛
Uterovaginal plexus
膀胱丛 Vesical plexus


骶交感干
Sacral sympathetic trunk
骶1 脊神经前支
S1 ventral ramus
灰交通支
Gray ramus communicans
盆内脏神经
Pelvic splanchnic nerves
骶内脏神经 (交感)
Sacral splanchnic nerves (sympathetic)
下腹下丛 (盆丛)
Inferior hypogastric (pelvic) plexus:
直肠丛 Rectal plexus
子宫阴道丛 Uterovaginal plexus
膀胱丛 Vesical plexus
海绵体神经
Cavernous nerves


骶1脊神经前支
S1 ventral ramus
腰内脏神经
Lumbar splanchnic nerve
骶交感干
Sacral sympathetic trunk
上腹下丛
Superior hypogastric plexus
腹下神经
Hypogastric nerves
灰交通支
Gray ramus communicans
盆内脏神经 (副交感)
Pelvic splanchnic nerves
(parasympathetic)
骶内脏神经
Sacral splanchnic nerves
下腹下丛 (盆丛)
Inferior hypogastric (pelvic) plexus:
膀胱丛 Vesical plexus
直肠丛 Rectal plexus
前列腺丛 Prostatic plexus
奇神经节
Ganglion impar


骶1脊神经前支
S1 ventral ramus
骶交感干
Sacral sympathetic trunk
灰交通支
Gray ramus communicans
盆内脏神经
Pelvic splanchnic nerves
骶内脏神经 (交感)
Sacral splanchnic nerves (sympathetic)
下腹下丛(盆丛)
Inferior hypogastric (pelvic) plexus:
膀胱丛 Vesical plexus
直肠丛 Rectal plexus
前列腺丛
Prostatic plexus
海绵体神经
Gavernous nerves


岩深神经、翼管神经（虚影）
Deep petrosal nerve and nerve of pterygoid canal (ghosted)
颈内动脉丛（至眼，前额血管和皮肤，虚影）
Internal carotid plexus (to eye ,blood vessels,skin of froehead, ghosted)
翼腭神经节（副交感，虚影
Pterygopalatine ganglion (parasympathetic,ghosted)
颈内动脉神经（虚影）
Internal carotid nerve (ghosted)
至鼻腔、口腔黏膜血管的分支（虚影）
Branches to blood vessels within nasal and oral mucosa (ghosted)
至颈1～颈4脊神经前支的灰交通支
Gray rami communicantes to ventral rami of C1～C4
颈上神经节
Superior cervical ganglion
颈外动脉神经
External carotid nerve
颈外动脉丛（至面部的血管和皮肤）
External carotid plexus (to blood vessels and skin of face)
至颈5～颈6脊神经前支的灰交通支
Gray rami communicantes to ventral rami of C5～C6
颈上心神经
Superior cervical cardiac nerve
颈交感干 Cervical sympathetic trunk
椎动脉丛
Vertebral plexus
颈中神经节
Middle cervical ganglion
至颈7～颈8脊神经前支的灰交通支
Gray rami communicantes to ventral rami of C7～C8
颈中心神经
Middle cervical cardiac nerve
至胸1脊神经前支的灰交通支
Gray rami communicantes to ventral rami of T1
锁骨下襻
Ansa subclavia
颈胸神经节(星状神经节)
Cervicothoracic(stellate) ganglion
起自胸1脊神经前支的白交通支
White rami communicantes from ventral rami ramus of T1
颈下心神经
Inferior cervical cardiac nerve
胸内脏神经
Thoracic visceral nerve
至胸2脊神经前支的灰交通支
Gray rami communicantes to ventral rami of T2
起自胸2脊神经前支的白交通支
White rami communicantes from ventral rami ramus of T2


岩大神经、翼管神经
Greater petrosal nerve and nerve of pterygoid canal
动眼神经 (脑神经III)
Oculomotor nerve (CN III)
睫状神经节及其运动根
Ciliary ganglion and its motor root
泪腺神经、泪腺
Lacrimal nerve and gland
睫状短神经
(至瞳孔括约肌、睫状肌)
Short ciliary nerves (to sphincter pupillae and ciliary muscles)
颧神经及其交通支
Zygomatic nerve and its communicating branch
翼腭神经节
Pterygopalatine ganglion
面神经 (脑神经7)
Facial nerve (CN 7)
岩小神经
Lesser petrosal nerve
舌咽神经(脑神经9)、鼓室支
Glossopharyngeal nerve (CN 9) and tympanic branch
鼓索神经 Chorda tympani
耳神经节、耳颞神经
Otic ganglion and auriculotemporal nerve
至鼻腔、口腔上部黏液腺的分支
Branches to mucous glands of nasal cavity and upper oral cavity
腮腺 Parotid gland
至口腔底部黏液腺的分支
Branches to mucous glands of lower oral cavity
迷走神经 (脑神经10)至颈部器官黏液腺的分支
Vagus nerve (CN 10) with branches to mucous glands of viscera of neck
下颌下腺、舌下腺
Submandibular and sublingual glands
舌神经 Lingual nerve
下颌下神经节
Submandibular ganglion

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