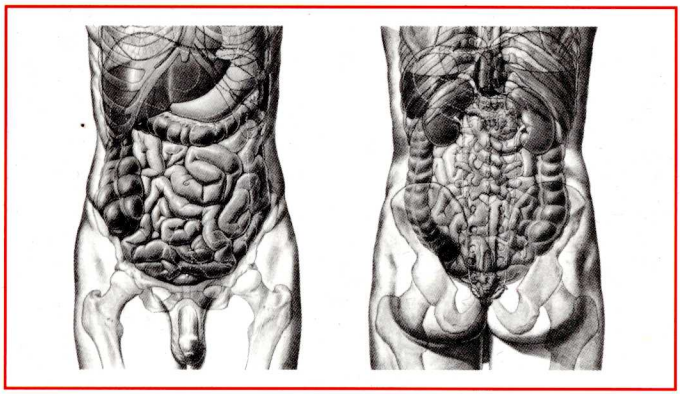
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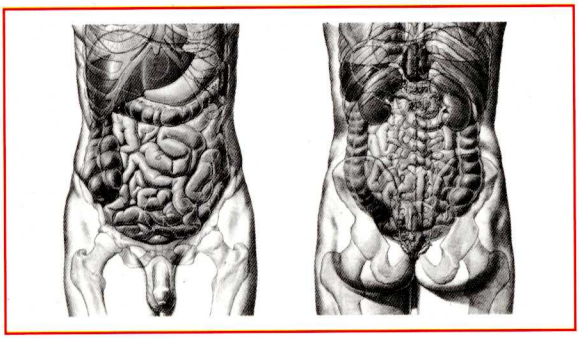
SHITI TUPU

主 编 初国良 曲怀刚

腹盆部应用解剖实体图谱

人民軍醫出版社
PEOPLE'S MILITARY MEDICAL PRESS

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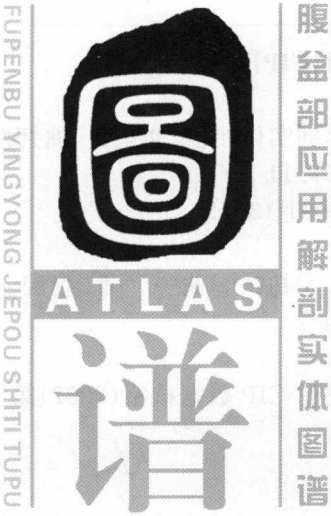
封面设计　吴朝洪

ISBN 978-7-5091-1301-1

9 787509 113011 >

定价：28.00元

▶ 销售分类　解剖学



主　　编　初国良　曲怀刚

编　　委　郭开华　曲怀刚　刘　述　李东培
　　赵振富　王守安　初国良　余　菁
　　徐　晓　欧阳丽斯　周忠信

标本制作　初国良　曲怀刚　陈治环　黄志松

摄　　影　梁锦冲

人民军医出版社
PEOPLE'S MILITARY MEDICAL PRESS
北　京

图书在版编目(CIP)数据

腹盆部应用解剖实体图谱/初国良，曲怀刚主编. —北京：人民军医出版社，2007.11

ISBN 978-7-5091-1301-1

Ⅰ.腹… Ⅱ.①初…②曲… Ⅲ.腹腔—人体解剖学—图谱 Ⅳ.R323.3-64

中国版本图书馆 CIP 数据核字(2007)第 156750 号

策划编辑：王　琳　　**文字编辑**：郁　静　　**责任审读**：张之生

出 版 人：齐学进

出版发行：人民军医出版社　　**经销**：新华书店

通信地址：北京市 100036 信箱 188 分箱　　**邮编**：100036

质量反馈电话：(010)51927270；(010)51927283

邮购电话：(010)51927252

策划编辑电话：(010)51927409

网址：www.pmmp.com.cn

印刷：三河市春园印刷有限公司　　**装订**：春园装订厂

开本：787mm×1092mm　1/32

印张：5.875　　**字数**：68 千字

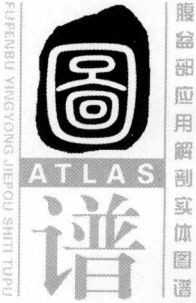
版、印次：2007 年 11 月第 1 版第 1 次印刷

印数：0001～3000

定价：28.00 元

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内容提要

本图谱提供了正常成人的腹盆部实物标本照片，由浅入深展示此区域重要结构的形态、位置与毗邻。全书共 176 幅照片，既有标本照片图、模式图，也有相应部位 MRI、X 线造影图，图片精美，图示清晰，中英文注解相结合。密切联系普通外科临床需要，能给普通外科医师一定的启发和帮助，可作为手术前结构复习和教学示范的参考书。本图谱可供普通外科、放射科等临床医生以及医学院校师生阅读参考。

前　言

恩格斯很早就说过："没有解剖学，就没有医学"。陈中伟院士说："对于一个外科医生来说，解剖学就像军事家的地图一样重要"。解剖学教育是基础医学教育的前沿，是临床医学教育的基地。

本书对选自人体清晰逼真的图片资料进行介绍，试图用图显文解、以文说图和图文互补的方式来展示人体解剖学的内涵，使医学生和临床医生能以较快的速度和较形象的视觉方法了解人体解剖学知识。本书另一特点是将解剖学知识点说明和临床应用要点与图片展示的信息紧密结合以传递解剖学知识，拓展读者视野，实用性强。

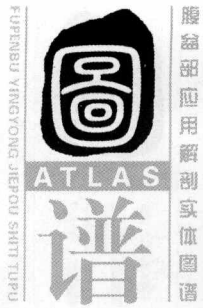
本书解剖学术语采用中英文对照方式，全部以全国自然科学名词审定委员会1991年公布的《人体解剖学名词》为准，

便于读者学习使用，以满足读者日益增长的对解剖学术语英文水平的需求。本书图片由初国良副教授和曲怀刚博士总体设计、编排处理，照片拍摄由梁锦冲主管技师完成。

解剖学内容繁多，涉及医学各科面广，编者在标本设计、制作、摄影和编排等方面作了很多努力，但受编者水平和经验限制，书中存在不足之处，望广大读者批评、指正。

初国良　曲怀刚

2007 年 8 月于广州



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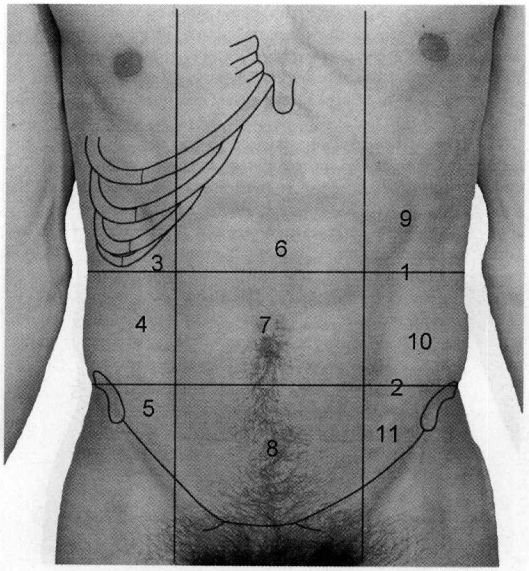
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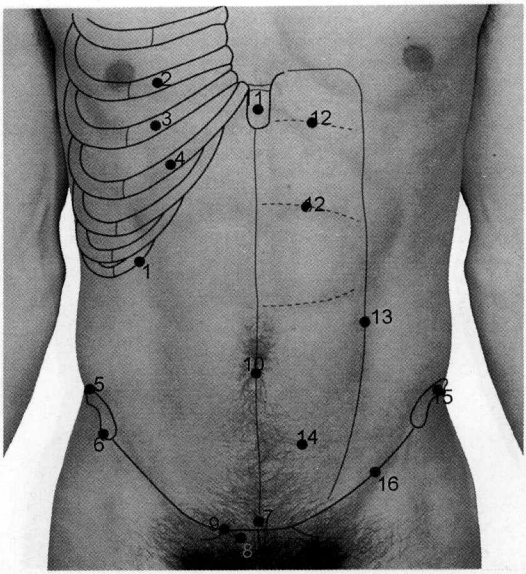
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001 腹部分区

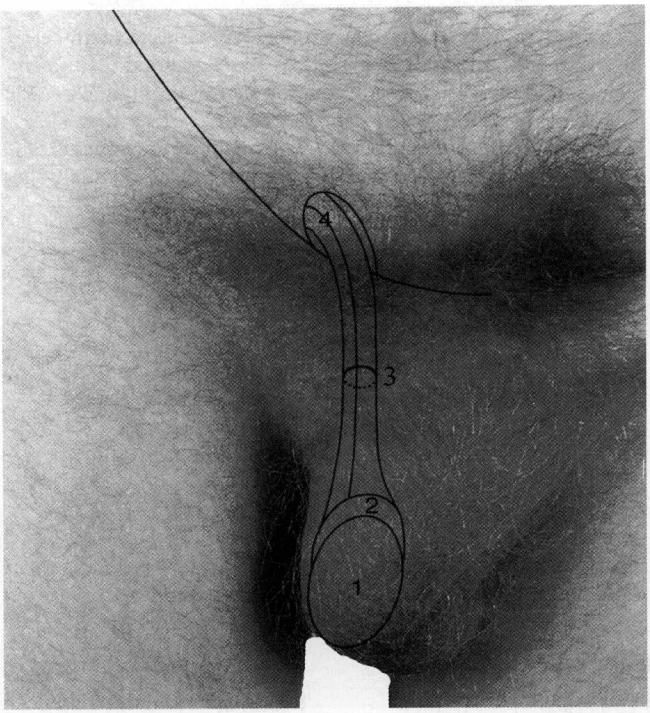
1 肋下线 subcostal line
2 结节间线 transtubercular line
3 右季肋区 right hypochondriac region
4 右腰区 right lumbar region
5 右髂区 right iliac area
6 腹上区 epigastric region
7 脐区 umbilical region
8 耻区 pubic region
9 左季肋区 left hypochondriac region
10 左腰区 left lumbar region
11 左髂区 left iliac region

腹部9分区有利于腹部器官或结构的更精确定位，有利于腹部的听诊、触诊和叩诊等体格检查。



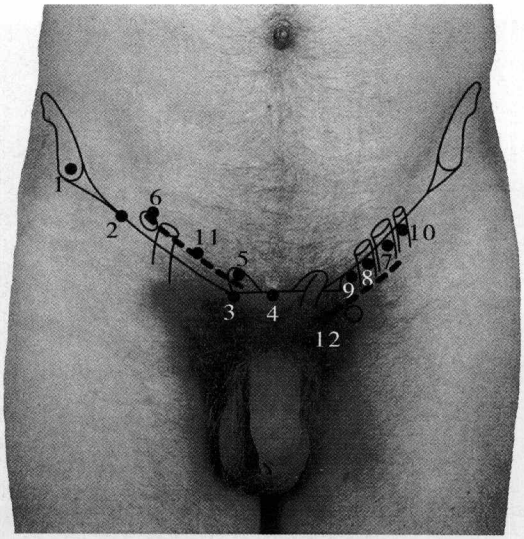
002 腹前壁:骨和肌

1 肋缘 costal margin
2 第5肋软骨 5th costal cartilage
3 第6肋软骨 6th costal cartilage
4 第7肋软骨 7th costal cartilage
5 髂嵴 iliac crest
6 髂前上棘 anterior superior iliac spine
7 耻骨联合 pubic symphysis
8 耻骨体 body of pubis
9 耻骨结节 pubic tubercle
10 白线 linea alba
11 剑突 xiphoid process
12 腱划 tendinous intersection
13 半月线 linea semilunaris
14 腹直肌 rectus abdominis
15 髂结节 tubercle of iliac crest
16 腹股沟韧带 inguinal ligament



003 睾丸和精索

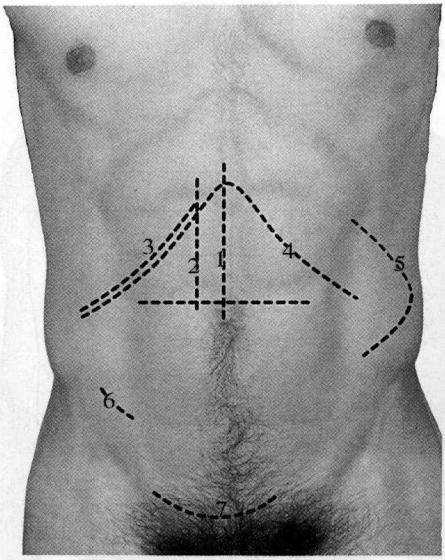
1 睾丸 testis
2 附睾头 head of epididymis
3 精索 spermatic cord
4 输精管 deferent duct



004 腹股沟区:骨和软组织

1 髂前上棘
anterior superior iliac spine
2 腹股沟韧带
inguinal ligament
3 耻骨结节 pubic tubercle
4 耻骨结节 pubispubic tubercle
5 腹股沟管浅环
superficial inguinal ring
6 腹股沟管深环
deep inguinal ring
7 股动脉 femoral artery
8 股静脉 femoral vein
9 股管 femoral canal
10 股神经 femoral nerve
11 腹股沟疝切口
inguinal hernia incision
12 股疝切口
femoral hernia incision

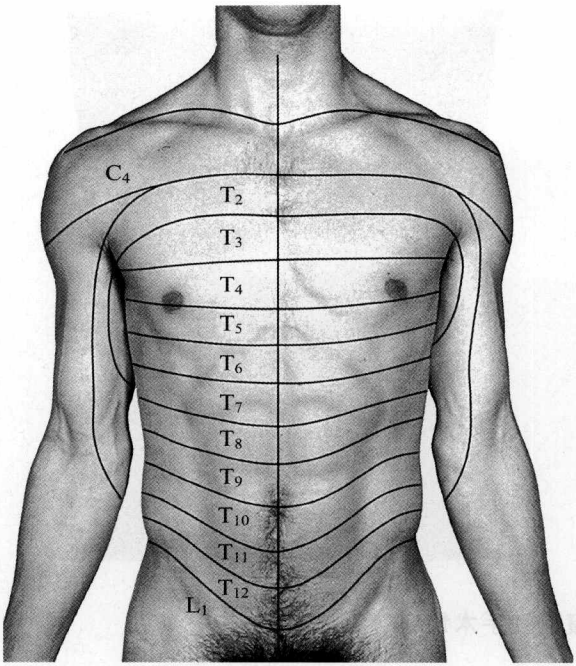
腹股沟区是腹前外侧部重要的局部,其结构特点与腹外疝的诊断、手术治疗密切相关,此区关键结构是腹股沟管。



005 腹前壁手术切口

1 正中切口 median incision
2 旁正中切口 paramedian incision
3 右肋下切口 right subcostal incision
4 双肋下切口 rooftop incision
5 左肾切口 left renal incision
6 阑尾切口 appendix incision
7 耻骨上切口 suprapubic incision

腹前外侧壁不同部位的手术切口，需切开的层次结构有差别，要关注 3 块扁肌和腹直肌及其鞘的存在。



006 躯干前面皮肤的精神支配

T_2 分布于胸骨角平面，

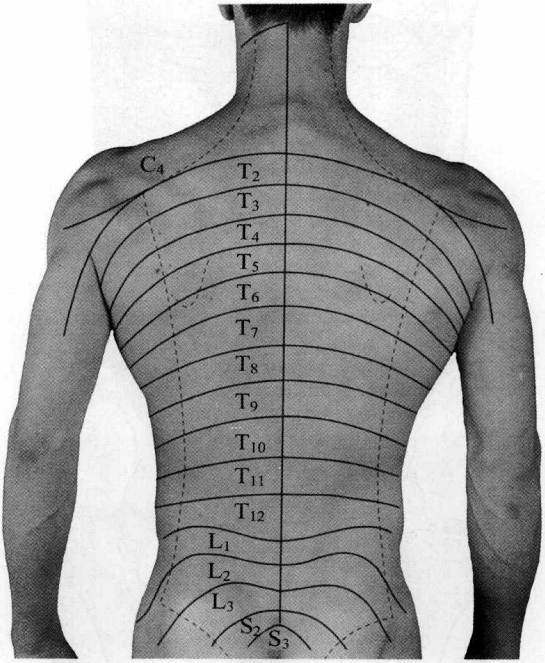
T_4 分布于乳头平面，

T_6 分布于剑突平面，

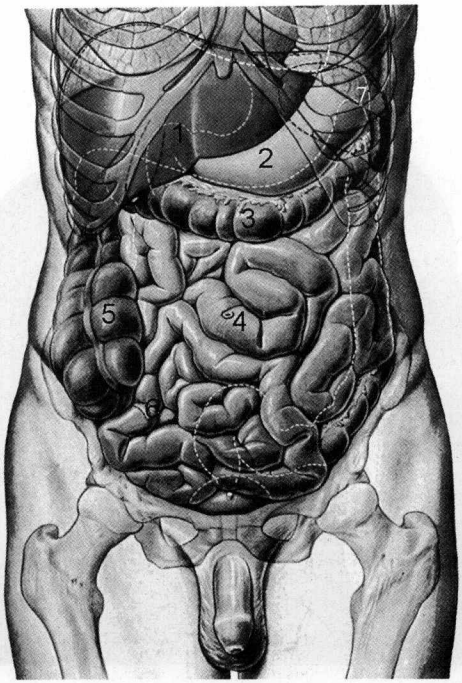
T_8 分布于肋弓平面，

T_{10} 分布于脐平面，

T_{12} 分布于脐与耻骨联合连线中点平面。胸神经皮支的分布特点有利于测定麻醉平面和脊髓节段性损伤的定位。



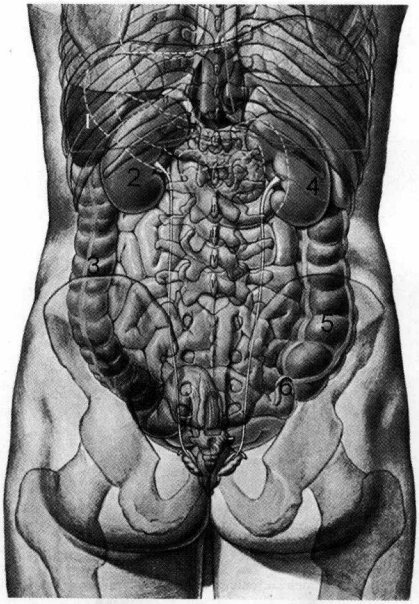
007　躯干后面皮肤的神经支配



008 腹腔器官投影(前面观)

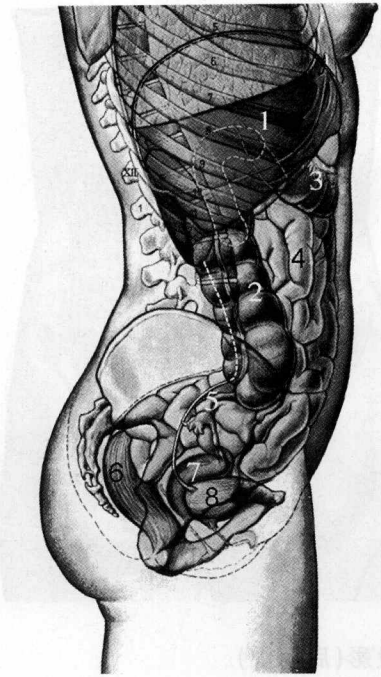
1 肝 liver
2 胃 stomach
3 横结肠 transverse colon
4 小肠 small intestine
5 升结肠 ascending colon
6 阑尾 vermiform appendix
7 脾 spleen

腹部器官在体表的投影随年龄、体形、体位、器官充盈状态和腹壁肌紧张度的变化而变化。



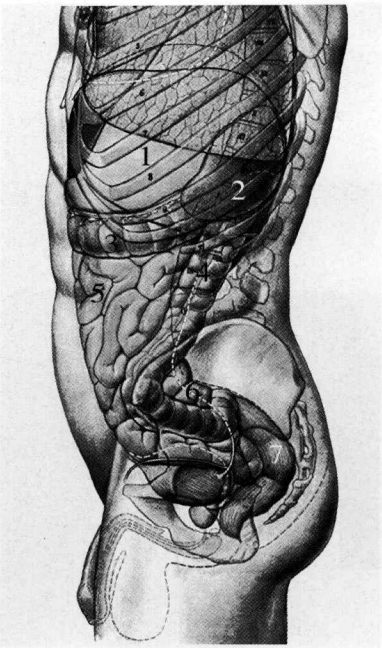
009 腹腔器官投影(后面观)

1 脾 spleen
2 左肾 left kidney
3 降结肠 descending colon
4 右肾 right kidney
5 升结肠 ascending colon
6 阑尾 vermiform appendix



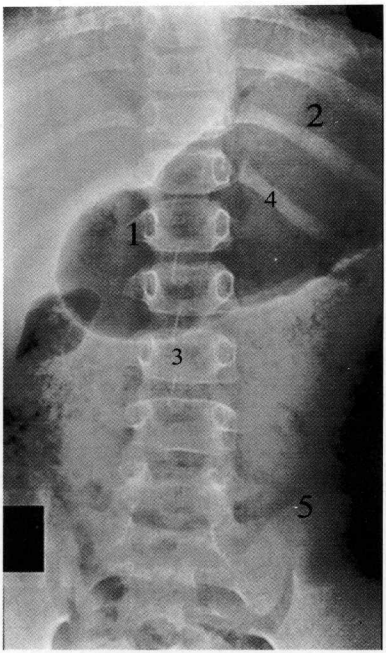
010 腹腔器官投影(右侧面观)

1 肝 liver
2 升结肠 ascending colon
3 横结肠 transverse colon
4 小肠 small intestine
5 阑尾 vermiform appendix
6 直肠 rectum
7 子宫 uterus
8 膀胱 urinary bladder



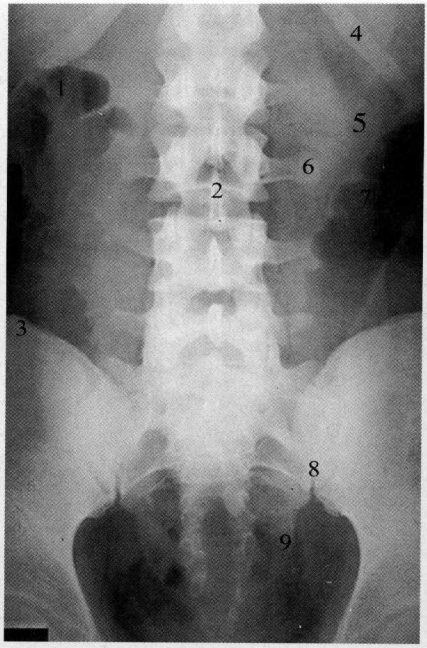
011 腹腔器官投影(左侧面观)

1 胃 stomach
2 脾 spleen
3 横结肠 transverse colon
4 降结肠 descending colon
5 小肠 small intestine
6 乙状结肠 sigmoid colon
7 直肠 rectum



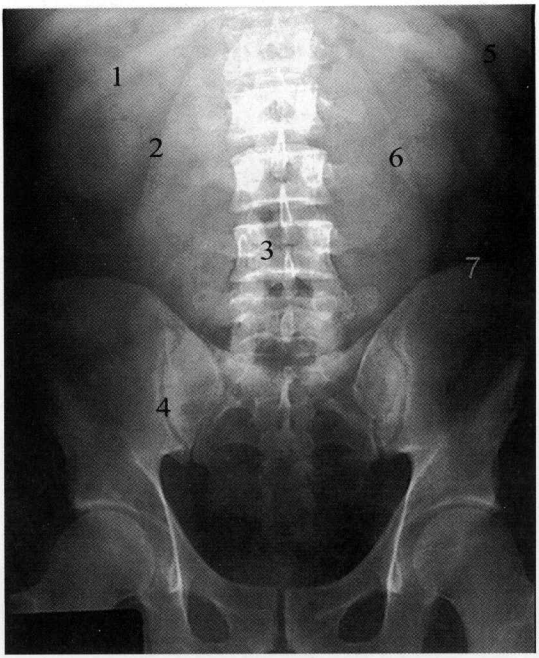
012 腹部平片(前后位)

1 横突 transverse process
2 胃 stomach
3 第 3 腰椎 3th lumbar vertebrae
4 第 12 肋 12th rib
5 髂嵴 iliac crest



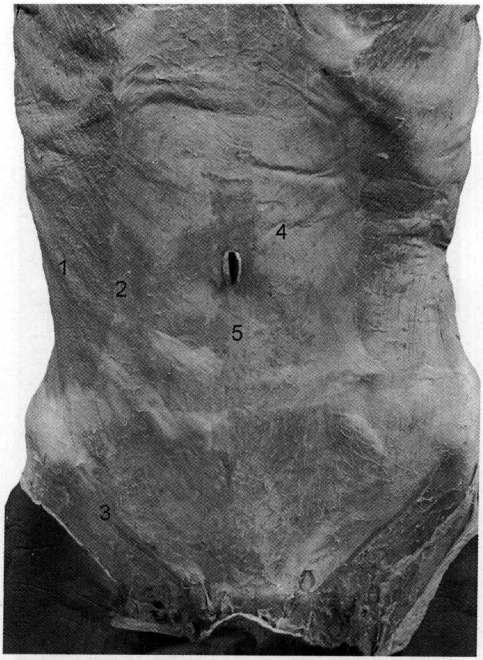
013 腹部平片(前后位)

1 结肠右曲 right colic flexure
2 棘突 spinous process
3 髂嵴 iliac crest
4 第 12 肋 12th rib
5 腰大肌外侧缘 lateral border of psoas major
6 横突 transverse process
7 横结肠 transverse colon
8 骶髂关节 sacroiliac joint
9 骶骨 sacrum



014 腹部平片(前后位)

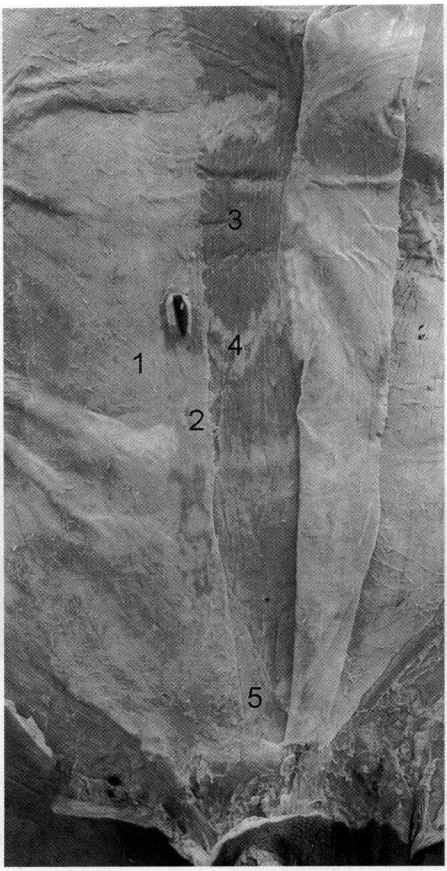
1 第 12 肋 12th rib
2 腰大肌外侧缘 lateral border of psoas major
3 第 4 腰椎 4th lumbar vertebrae
4 骶髂关节 sacroiliac joint
5 左肾外侧缘 lateral border of left kidney
6 左肾内侧缘 medial border of left kidney
7 髂嵴 iliac crest



015 腹前壁:腹直肌鞘前层和腹外斜肌

1 腹外斜肌 obliquus externus abdominis
2 腹外斜肌腱膜 aponeurosis of obliquus externus abdominis
3 腹股沟韧带 inguinal ligament
4 腹直肌鞘 sheath of rectus abdominis
5 白线 linea alba

腹外斜肌是一块重要的肌,其腱膜称为腹外斜肌腱膜。腹外斜肌腱膜形成许多重要结构,如腹股沟韧带、腔隙韧带和耻骨梳韧带等,它们在腹外疝的修补术中有重要意义。



016 腹直肌鞘(前层切开)

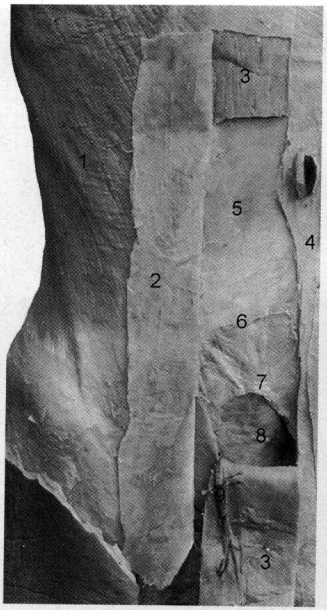
1 腹直肌鞘
sheath of rectus abdominis

2 白线 linea alba

3 腹直肌 rectus abdominis

4 腱划 tendinous intersection

5 锥状肌 pyramidalis



017 腹直肌鞘后层(腹直肌切断)

1 腹外斜肌 obliquus externus abdominis
2 腹直肌鞘前层 anterior layer of sheath of rectus abdominis
3 腹直肌 rectus abdominis
4 白线 linea alba
5 腹直肌鞘后层 posterior layer of sheath of rectus abdominis
6 弓状线 arcuate line
7 腹横筋膜和腹膜外脂肪 transverse fascia and extraperitoneal fat
8 壁腹膜 parietal peritoneum
9 腹壁下血管 inferior epigastric vessels

腹直肌鞘是重要的肌鞘,是腹壁一个结构单位,由腹外斜肌、腹内斜肌和腹横肌3块扁肌的腱膜构成,形成了弓状线、半月线和白线3个重要结构。



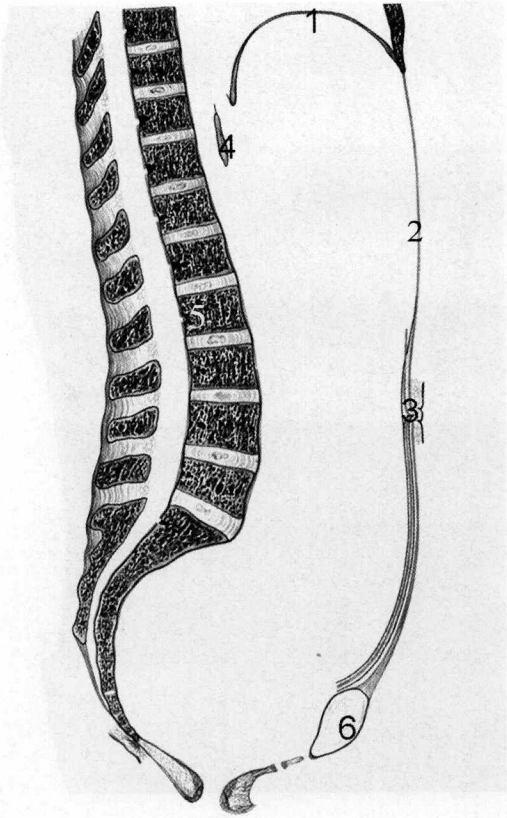
018 腹内斜肌

1 腹外斜肌 obliquus externus abdominis
2 腹外斜肌腱膜 aponeurosis of obliquus externus abdominis
3 腹内斜肌 obliquus internus abdominis



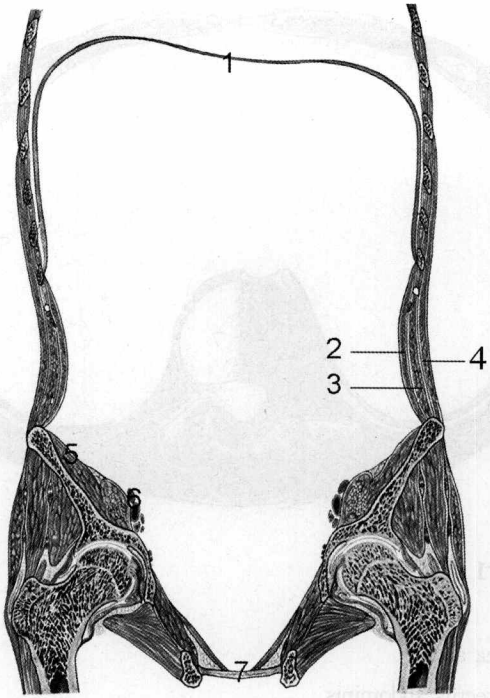
019 腹横肌

1 腹外斜肌 obliquus externus abdominis
2 腹内斜肌 obliquus internus abdominis
3 腹横肌 transversus abdominis
4 腹内斜肌腱膜 aponeurosis of obliquus internus abdominis
5 腹横肌腱膜 aponeurosis of transversus abdominis



020 腹盆壁正中矢状断面

1 膈 diaphragm
2 白线 linea alba
3 脐 umbilicus
4 腹主动脉 abdominal aorta
5 脊柱 vertebral column
6 耻骨联合 pubic symphysis



021 腹盆壁冠状断面

1 膈 diaphragm
2 腹横肌 transversus abdominis
3 腹内斜肌 obliquus internus abdominis
4 腹外斜肌 obliquus externus abdominis
5 髂肌 iliacus
6 髂外血管 external iliac vessels
7 盆膈 pelvic diaphragm



022 经第1腰椎横断面

1 白线 linea alba
2 腹直肌 rectus abdominis
3 肋 rib
4 腹横肌 transversus abdominis
5 腹内斜肌 obliquus internus abdominis
6 腹外斜肌 obliquus externus abdominis
7 第1腰椎 the first lumbar vertebrae



023 腹股沟管浅环

1 腹股沟管浅环 superficial inguinal ring
2 精索 spermatic cord
3 腹外斜肌腱膜 aponeurosis of obliquus externus abdominis
4 腹股沟韧带 inguinal ligament
5 生殖股神经 genitofemoral nerve



024 腹股沟管(前壁切开)

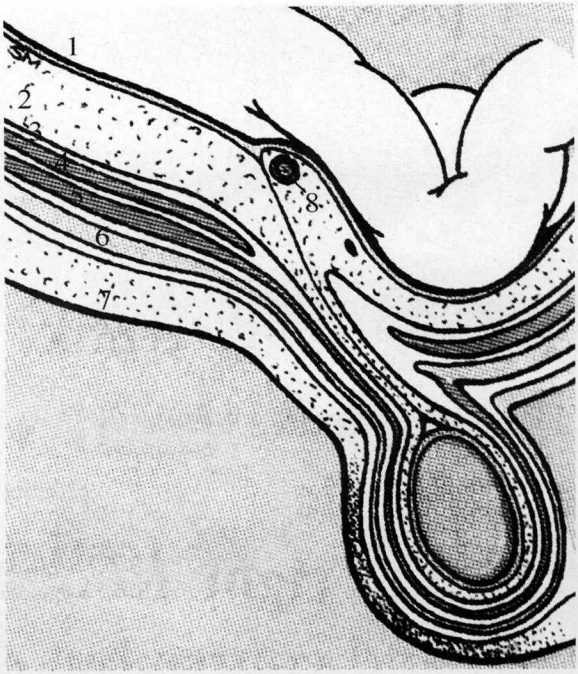
1 精索 spermatic cord
2 腹外斜肌腱膜 aponeurosis of obliquus externus abdominis
3 腹股沟韧带 inguinal ligament
4 生殖股神经 genitofemoral nerve
5 髂腹股沟神经 ilioinguinal nerve
6 腹内斜肌 obliquus internus abdominis
7 腹股沟镰 inguinal falx



025 腹股沟管深环

1 精索 spermatic cord
2 腹股沟韧带 inguinal ligament
3 腹外斜肌
obliquus externus abdominis
4 腹直肌 rectus abdominis
5 腹股沟管深环
deep inguinal ring
6 腹壁下血管
inferior epigastric vessels
7 腹横筋膜 transverse fascia

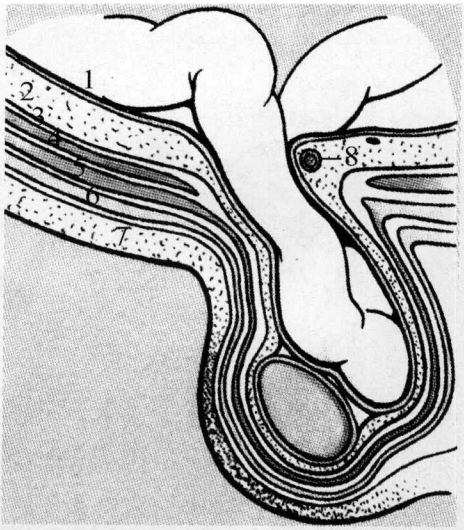
腹股沟管位于腹股沟韧带内侧半上方，是由外上斜向下内的肌筋膜裂隙，男性长 4～5cm，男性管内有精索通过；女性有子宫圆韧带通过。



026 腹股沟直疝

1 壁腹膜 parietal peritoneum
2 腹膜外脂肪 extraperitoneal fat
3 腹横筋膜 transverse fascia
4 腹横肌 transversus abdominis
5 腹内斜肌 obliquus internus abdominis
6 腹外斜肌腱膜 aponeurosis of obliquus externus abdominis
7 浅筋膜 superficial fascia
8 腹壁下动脉 inferior epigastric artery

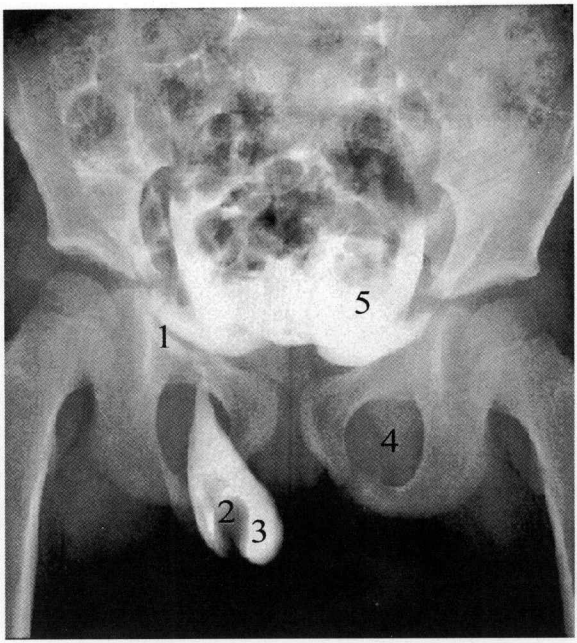
直疝从腹壁下动脉内侧、腹股沟管的后壁顶出，通过腹股沟三角而未经深环，故疝囊在精索被膜之外，且无明显的疝囊颈。



027 腹股沟斜疝

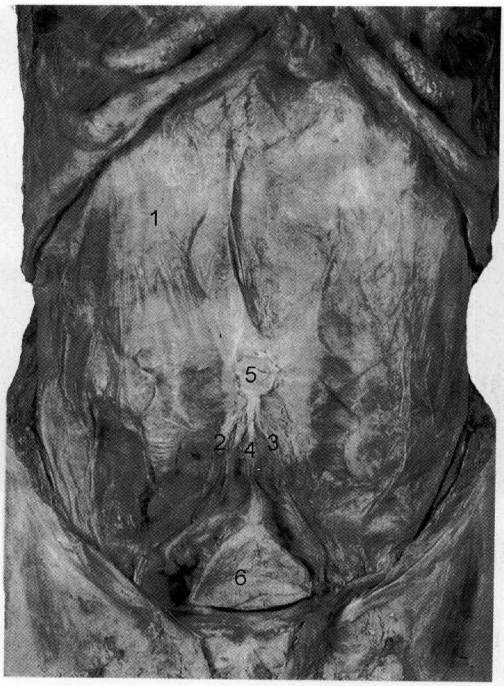
1 壁腹膜 parietal peritoneum
2 腹膜外脂肪 extraperitoneal fat
3 腹横筋膜 transverse fascia
4 腹横肌 transversus abdominis
5 腹内斜肌
obliquus internus abdominis
6 腹外斜肌腱膜
aponeurosis of obliquus externus abdominis
7 浅筋膜 superficial fascia
8 腹壁下动脉
inferior epigastric artery

斜疝从腹壁下动脉外侧由深环脱出，通过腹股沟管的全程，出浅环入阴囊，故包在精索的三层被膜内，疝囊颈比较明显。



028 经腹膜腔腹股沟管造影

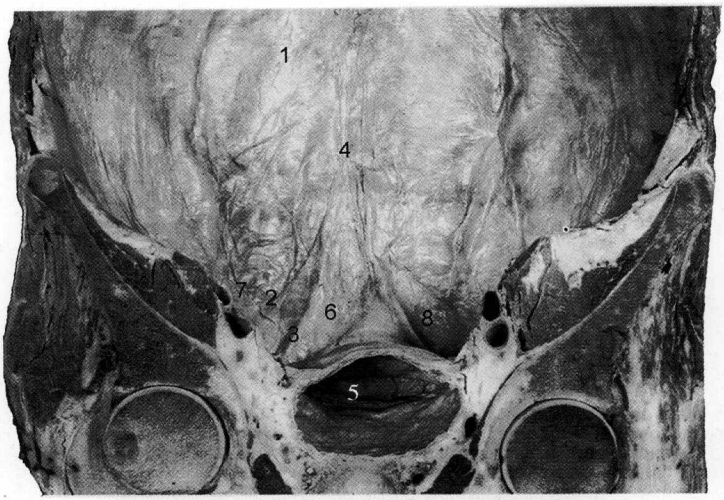
1 腹股沟管 inguinal canal
2 右睾丸 right testis
3 疝囊 hernial sac
4 闭孔 obturator foramen
5 腹膜腔 peritoneal cavity



029 壁腹膜(外面观)

1 壁腹膜 parietal peritoneum
2 脐外侧襞 lateral umbilical fold
3 脐内侧襞 medial umbilical fold
4 脐正中襞 median umbilical fold
5 脐 umbilicus
6 膀胱 urinary bladder

腹膜为覆盖腹、盆腔壁内和腹、盆腔脏器表面的一层薄而光滑的浆膜,由间皮和少量结缔组织构成,呈半透明状。腹膜具有分泌、吸收、保护、支持和修复等功能。



030 壁腹膜(内面观)

1 壁腹膜 parietal peritoneum
2 脐外侧襞 lateral umbilical fold
3 脐内侧襞 medial umbilical fold
4 脐正中襞 median umbilical fold
5 膀胱 urinary bladder
6 膀胱上窝 supravesical fossa
7 腹股沟外侧窝 lateral inguinal fossa
8 腹股沟内侧窝 medial inguinal fossa



031 大网膜

1 膈 diaphragm
2 肝右叶 right lobe of liver
3 肝圆韧带
ligamentum teres hepatis
4 大网膜 greater omentum
5 肝左叶 left lobe of liver
6 镰状韧带
falciform ligament of liver
7 乙状结肠 sigmoid colon

大网膜中含有丰富的脂肪和巨噬细胞，后者有重要的防御功能。大网膜的血管常用作心冠状动脉搭桥术中的供体血管；整形外科常用带血管蒂的大网膜片铺盖胸、腹壁或颅骨创面，作为植皮的基础。



032 肝表面的韧带 1

1 膈 diaphragm
2 肝右叶 right lobe of liver
3 肝圆韧带 ligamentum teres hepatis
4 肝左叶 left lobe of liver
5 镰状韧带 falciform ligament of liver
6 大网膜 greater omentum



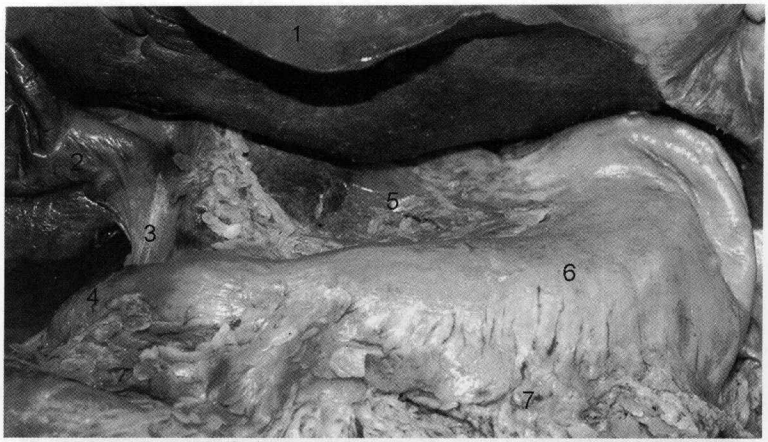
033 肝表面的韧带 2

1 壁腹膜 parietal peritoneum
2 肝右叶 right lobe of liver
3 肝左叶 left lobe of liver
4 镰状韧带 falciform ligament of liver
5 冠状韧带 coronary ligament
6 胃 stomach
7 大网膜 greater omentum



034 胃及其毗邻(肝左叶部分切除)

1 食管 esophagus
2 下腔静脉 inferior vena cava
3 肝 liver
4 小网膜 lesser omentum
5 胃 stomach
6 主动脉 aorta
7 脾 spleen
8 胃脾韧带 gastrosplenic ligament
9 胃网膜右动脉 right gastro epiploic artery
10 横结肠系膜 transverse mesocolon



035 小网膜

1 肝 liver
2 胆囊 gallbladder
3 肝十二指肠韧带 hepatoduodenal ligament
4 十二指肠上部 superior part of duodenum
5 肝胃韧带 hepatogastric ligament
6 胃 stomach
7 大网膜 greater omentum



036 网膜孔

1 胆囊 gallbladder
2 网膜孔 omental foramen
3 肝十二指肠韧带 hepatoduodenal ligament
4 十二指肠 duodenum
5 肝 liver
6 胃 stomach



037 网膜囊

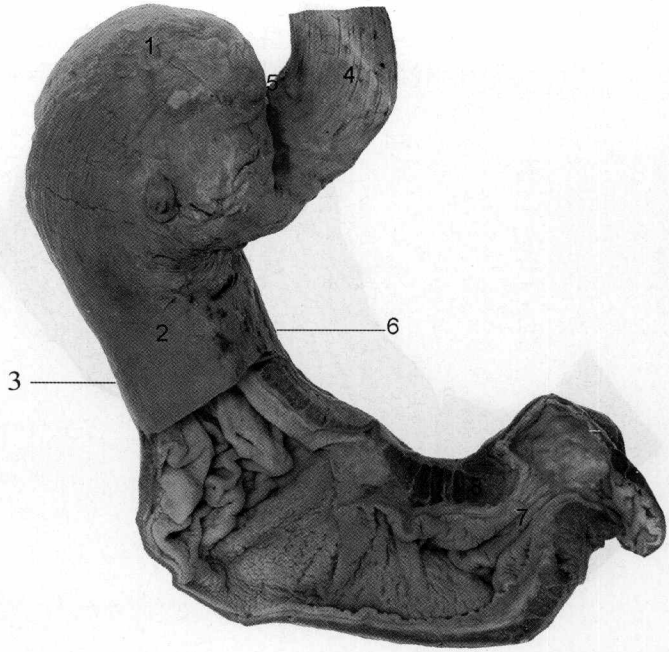
1 胆囊 gallbladder
2 肝十二指肠韧带 hepatoduodenal ligament
3 网膜孔 omental foramen
4 十二指肠 duodenum
5 胃 stomach
6 胰 pancreas
7 肝尾状叶 caudate lobe of liver

网膜囊是小网膜和胃后壁与腹后壁的腹膜之间的一个扁平间隙，是腹膜腔的一部分，一个盲囊，右侧借网膜孔通腹膜腔的其余部分。网膜囊位置深，周邻关系复杂，有关器官的病变相互影响。



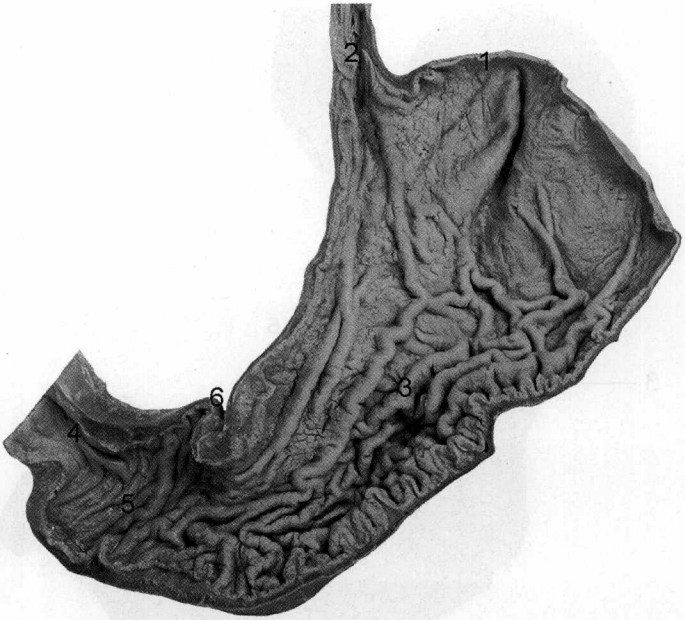
038 网膜囊下隐窝

1 胃 stomach
2 胰 pancreas
3 大网膜 greater omentum
4 横结肠 transverse colon



039 胃(部分胃壁切除)

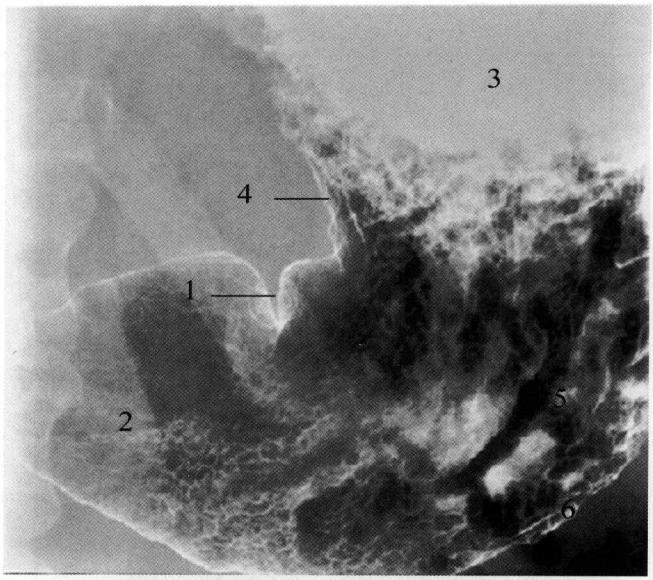
1 胃底 fundus of stomach
2 胃体 body of stomach
3 胃大弯 greater curvature of stomach
4 贲门 cardia
5 贲门切迹 cardiac incisure
6 胃小弯 lesser curvature of stomach
7 幽门 pylorus
8 幽门括约肌 pyloric sphincter



040 胃皱襞

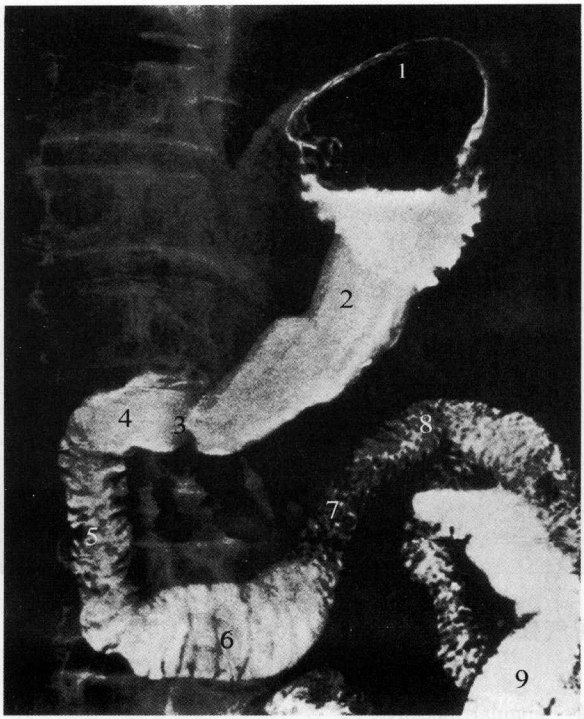
1 胃底 fundus of stomach
2 贲门 cardia
3 胃黏膜皱襞 fold of gastric mucosa
4 幽门管 pyloric canal
5 幽门窦 pyloric antrum
6 角切迹 angular incisure

胃壁分4层，黏膜层、黏膜下层、肌层和浆膜层。胃黏膜在胃空虚时，形成许多黏膜皱襞，襞间的沟称胃道；胃壁的4层一起称全层，将肌层和浆膜层合称浆肌层。



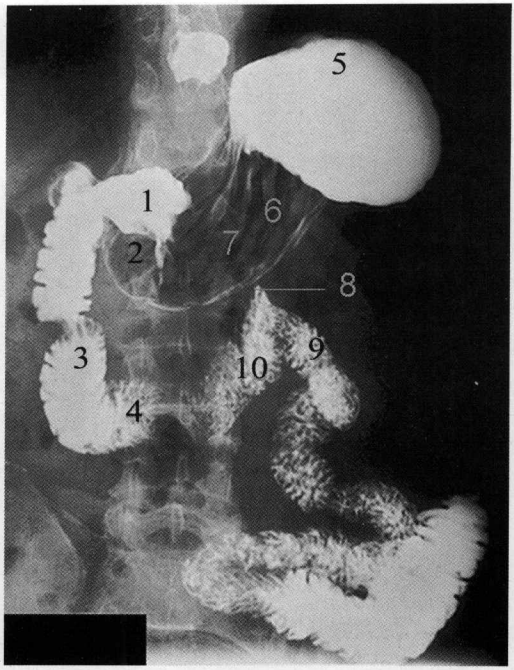
041 胃气钡造影

1 角切迹 angular incisure
2 幽门窦 pyloric antrum
3 胃体 body of stomach
4 胃小弯 lesser curvature of stomach
5 胃皱襞 fold of stomach
6 胃大弯 greater curvature of stomach



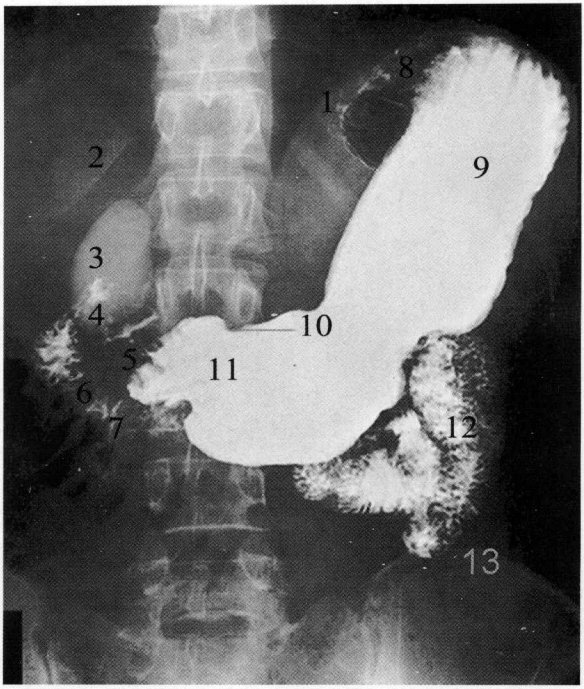
042 上消化道钡造影

1 胃底 fundus of stomach
2 胃体 body of stomach
3 幽门 pylorus
4 十二指肠上部
superior part of duodenum
5 十二指肠降部
descending part of duodenum
6 十二指肠水平部
horizontal part of duodenum
7 十二指肠升部
ascending part of duodenum
8 十二指肠空肠曲
duodenojejunal flexure
9 空肠 jejunum



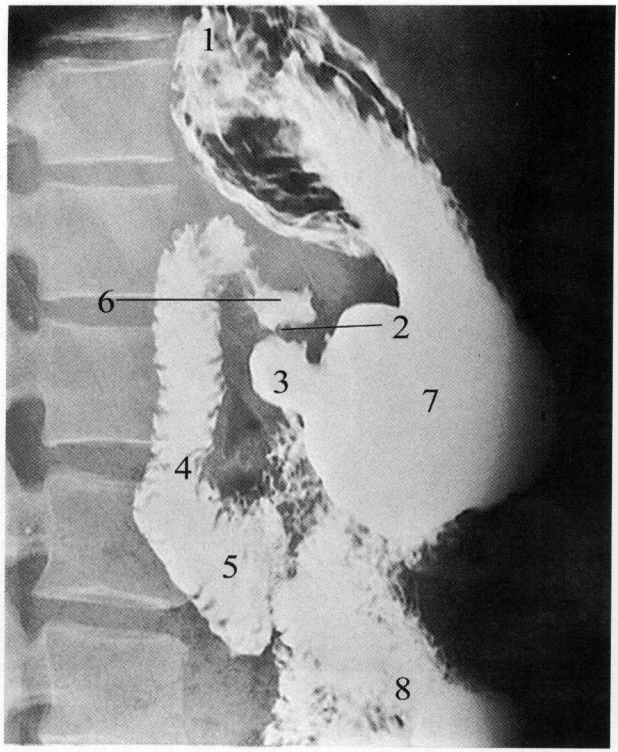
043 上消化道钡造影

1 十二指肠上部
superior part of duodenum
2 幽门窦 pyloric antrum
3 十二指肠降部
descending part of duodenum
4 十二指肠水平部
horizontal part of duodenum
5 胃底 fundus of stomach
6 胃皱襞 fold of stomach
7 胃体 body of stomach
8 十二指肠悬韧带
suspensory ligament of duodenum
9 空肠 jejunum
10 十二指肠升部
ascending part of duodenum



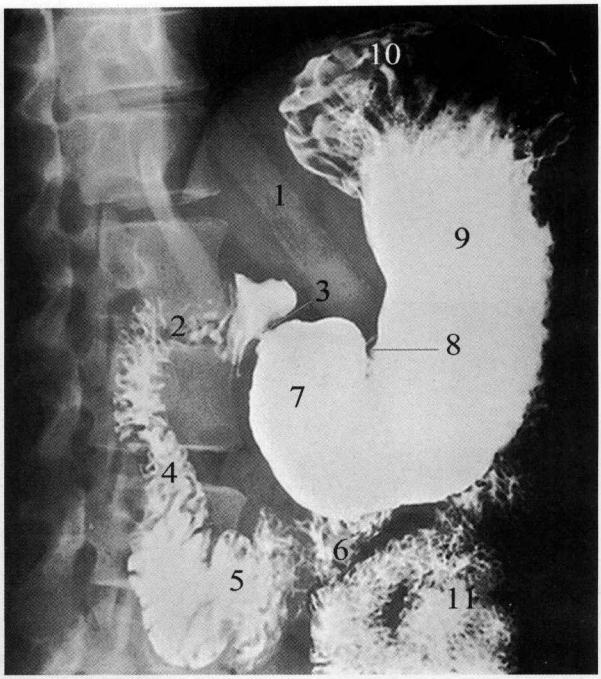
044 上消化道钡碘造影

1 膈 diaphragm
2 第 12 肋 12th rib
3 胆囊 gallbladder
4 十二指肠上部 superior part of duodenum
5 幽门 pylorus
6 十二指肠降部 descending part of duodenum
7 十二指肠水平部 horizontal part of duodenum
8 胃底 fundus of stomach
9 胃体 body of stomach
10 角切迹 angular incisure
11 幽门窦 pyloric antrum
12 空肠 jejunum
13 髂嵴 iliac crest



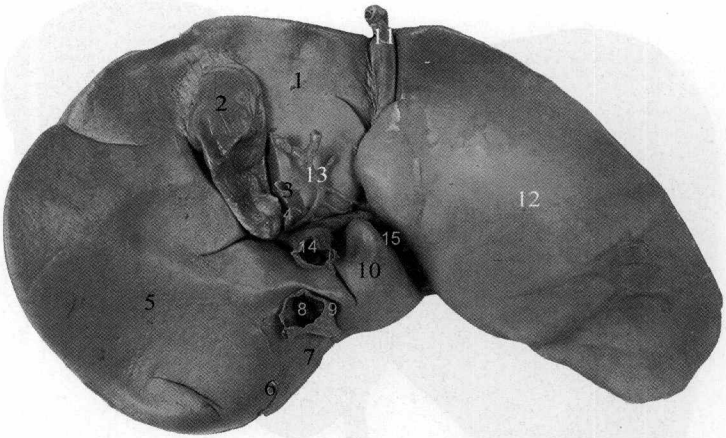
045 上消化道气钡造影

1 胃底 fundus of stomach
2 幽门 pylorus
3 幽门窦 pyloric antrum
4 十二指肠降部
descending part of duodenum
5 十二指肠水平部
horizontal part of duodenum
6 十二指肠上部
superior part of duodenum
7 胃体 body of stomach
8 空肠 jejunum



046 上消化道钡造影(斜位)

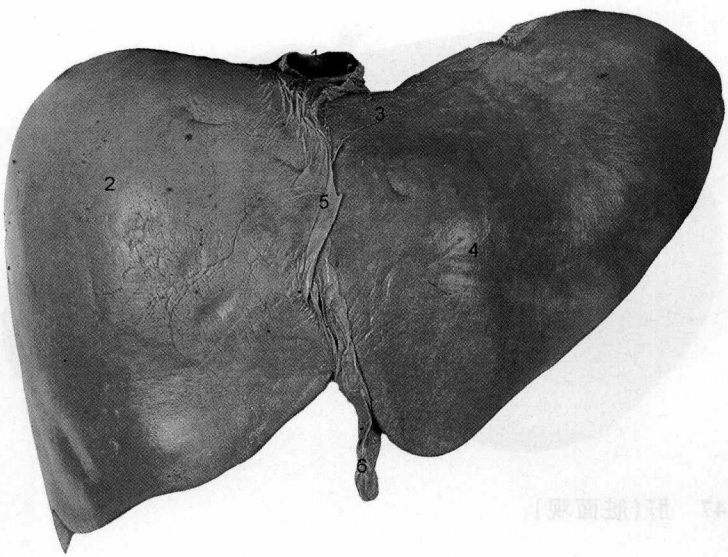
1 肋 rib
2 十二指肠上部
superior part of duodenum
3 幽门管 pyloric canal
4 十二指肠降部
descending part of duodenum
5 十二指肠水平部
horizontal part of duodenum
6 十二指肠升部
ascending part of duodenum
7 胃底 fundus of stomach
8 胃体 body of stomach
9 角切迹 angular incisure
10 幽门窦 pyloric antrum
11 空肠 jejunum



047 肝(脏面观)

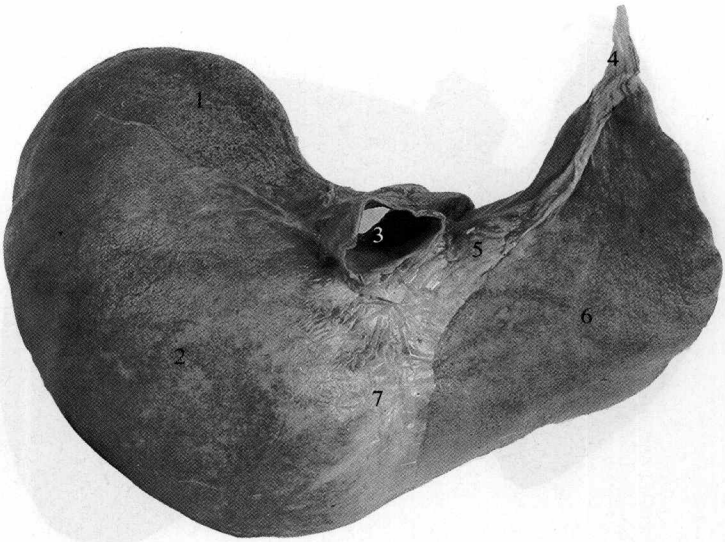
1 肝方叶 quadrate lobe of liver
2 胆囊 gallbladder
3 胆总管 common bile duct
4 胆囊管 cystic duct
5 肝右叶 right lobe of liver
6 冠状韧带下层
inferior layer of coronary ligament
7 肝裸区 bare area of liver
8 下腔静脉 inferior vena cava
9 腔静脉沟 sulcus for vena cava
10 肝尾状叶 caudate lobe of liver
11 肝圆韧带
ligamentum teres hepatis
12 肝左叶 left lobe of liver
13 肝固有动脉
proper hepatic artery
14 肝门静脉 hepatic portal vein
15 静脉韧带裂
fissure for ligamentum venosum

肝脏面借“H”形的沟、裂和窝将肝分为4个叶,左叶、右叶、方叶和尾状叶;横沟处称第一肝门,有肝左、右管,肝门静脉左、右支和肝固有动脉左、右支,淋巴管及神经等出入。



048 肝(前面观)

1 下腔静脉 inferior vena cava
2 冠状韧带上层 superior layer of coronary ligament
3 肝右叶 right lobe of liver
4 肝左叶 left lobe of liver
5 镰状韧带 falciform ligament of liver
6 肝圆韧带 ligamentum teres hepatis



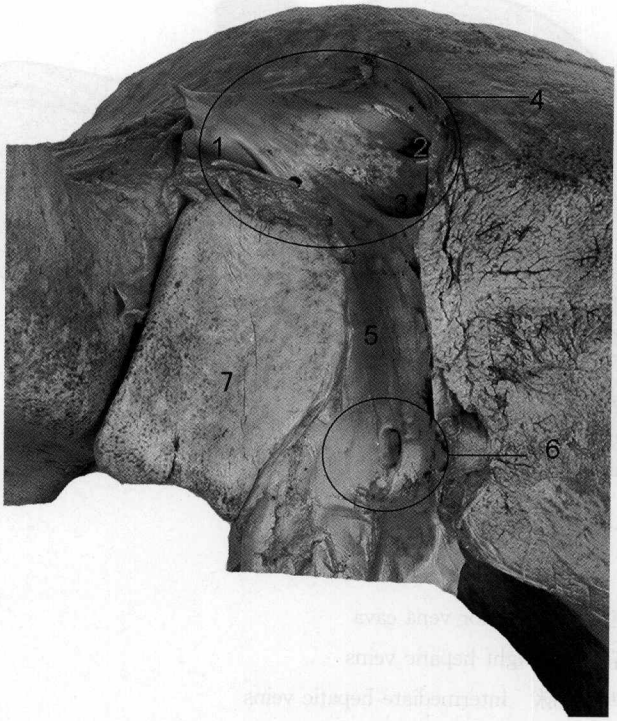
049 肝(上面观)

1 肝裸区 bare area of liver
2 肝右叶 right lobe of liver
3 下腔静脉 inferior vena cava
4 左三角韧带 left triangular ligament
5 冠状韧带 coronary ligament
6 肝左叶 left lobe of liver
7 镰状韧带 falciform ligament of liver



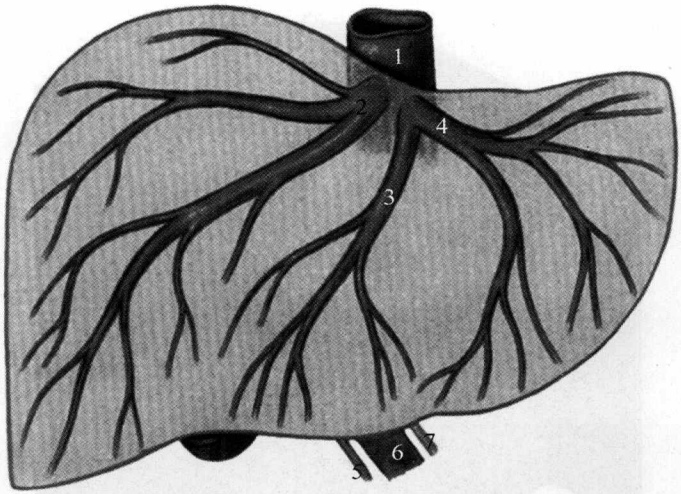
050 肝(后面观)

1 左三角韧带
left triangular ligament
2 肝左叶 left lobe of liver
3 静脉韧带裂
fissure for ligamentum venosum
4 肝尾状叶 caudate lobe of liver
5 下腔静脉 inferior vena cava
6 冠状韧带上层
superior layer of coronary ligament
7 肝裸区 bare area of liver
8 冠状韧带下层
inferior layer of coronary ligament
9 肝右叶 right lobe of liver



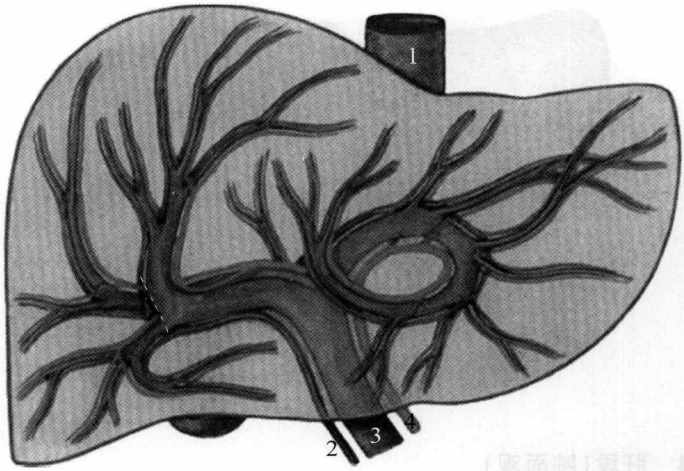
051 第二、三肝门

1 肝左静脉 left hepatic veins
2 肝右静脉 right hepatic veins
3 肝中间静脉 intermediate hepatic veins
4 第二肝门 second porta hepatis
5 下腔静脉 inferior vena cava
6 第三肝门 third porta hepatis
7 肝尾状叶 caudate lobe of liver



052 肝静脉系统

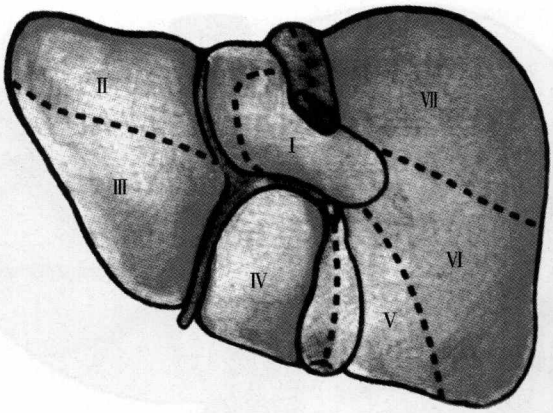
1 下腔静脉 inferior vena cava
2 肝右静脉 right hepatic veins
3 肝中间静脉 intermediate hepatic veins
4 肝左静脉 left hepatic veins
5 胆总管 common bile duct
6 肝门静脉 hepatic portal vein
7 肝固有动脉 proper hepatic artery



053 肝内 Glisson 系统

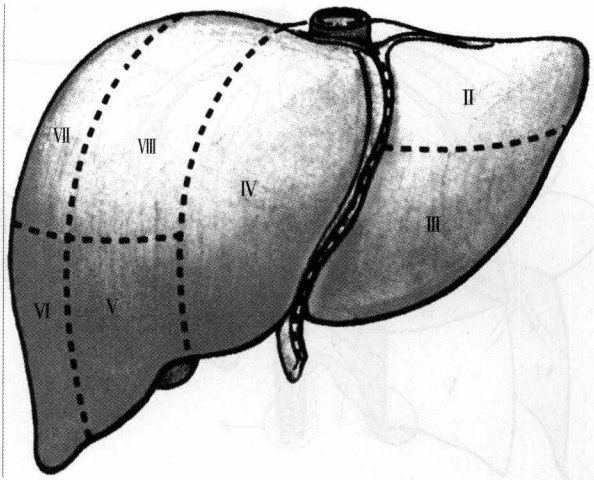
1 下腔静脉 inferior vena cava
2 胆总管 common bile duct
3 肝门静脉 hepatic portal vein
4 肝固有动脉 proper hepatic artery

肝的纤维膜在肝门处缠绕在肝固有动脉、肝门静脉和肝管及其分支的周围，构成血管周围纤维囊或称 Glisson 囊。肝内管道可分为肝静脉系统和 Glisson 系统。Glisson 系统分布于肝段内，肝静脉走行于肝段间；肝段就是依据 Glisson 系统的分支与分布和肝静脉的走行划分的。



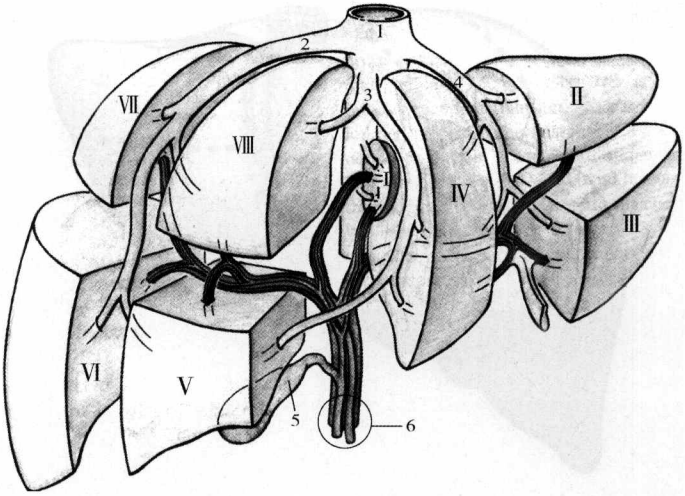
054 肝段(脏面观)

Ⅰ段Ⅰ,尾状叶
Ⅱ段Ⅱ,左外叶上段
Ⅲ段Ⅲ,左外叶下段
Ⅳ段Ⅳ,左内叶
Ⅴ段Ⅴ,右前叶下段
Ⅵ段Ⅵ,右后叶下段
Ⅶ段Ⅶ,右后叶上段



055 肝段(前面观)

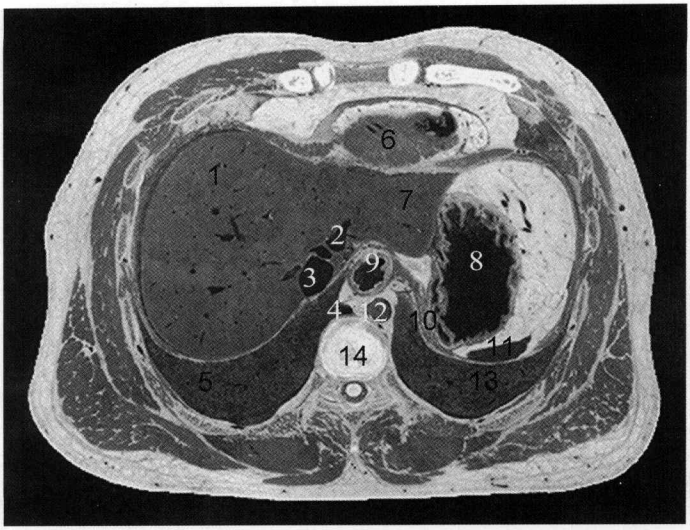
Ⅱ段Ⅱ,左外叶上段
Ⅲ段Ⅲ,左外叶下段
Ⅳ段Ⅳ,左内叶
Ⅴ段Ⅴ,右前叶下段
Ⅵ段Ⅵ,右后叶下段
Ⅶ段Ⅶ,右后叶上段
Ⅷ段Ⅷ,右前叶上段



056 肝内管道和肝段(前面观)

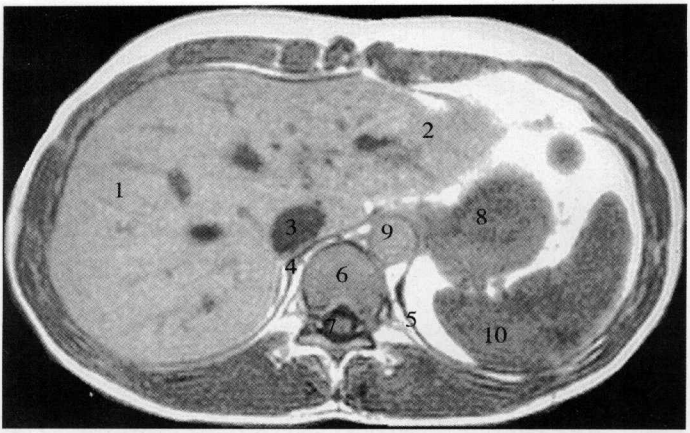
1 下腔静脉 inferior vena cava
2 肝右静脉 right hepatic vein
3 肝中间静脉 intermediate hepatic vein
4 肝左静脉 left hepatic vein
5 胆囊 gallbladder
6 Glisson 系统 Glisson's system

Couinaud 根据 Glisson 系统的分支与分布和肝静脉的走行,分肝为左、右半肝、5 叶和 8 段,是目前最完整和最具有实用价值的肝段划分法。肝外科依据这种分叶与分段方式,施行半肝、肝叶或肝段切除术。



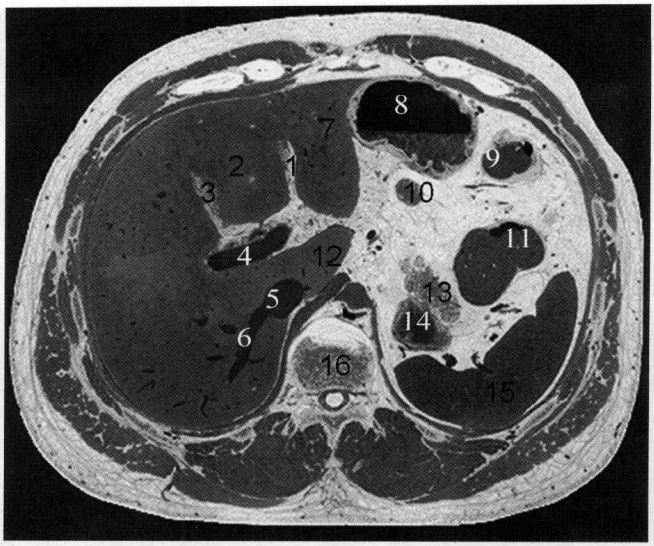
057 经第 9～10 胸椎间盘层面

1 肝右叶 right lobe of liver
2 肝静脉 hepatic veins
3 下腔静脉 inferior vena cava
4 奇静脉 azygos vein
5 右肺下叶
inferior lobe of right lung
6 心 heart
7 肝左叶 left lobe of liver
8 胃底 fundus of stomach
9 食管 esophagus
10 膈 diaphragm
11 脾 spleen
12 胸主动脉 thoracic aorta
13 左肺下叶
inferior lobe of left lung
14 T_9～T_{10}椎间盘
T_9～T_{10} intervertebral disc



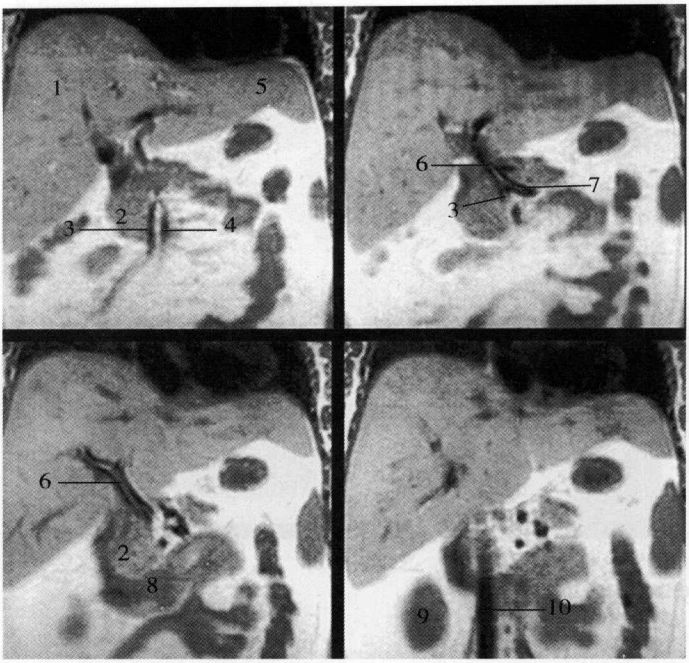
058 平对 11 胸椎横断面 MRI

1 肝右叶 right lobe of liver
2 肝左叶 left lobe of liver
3 下腔静脉 inferior vena cava
4 右膈脚 right crus of the diaphragm
5 左膈脚 left crus of the diaphragm
6 第 11 胸椎体 11th thoracic vertebral body
7 脊髓 spinal cord
8 胃 stomach
9 腹主动脉 abdominal aorta
10 脾 spleen



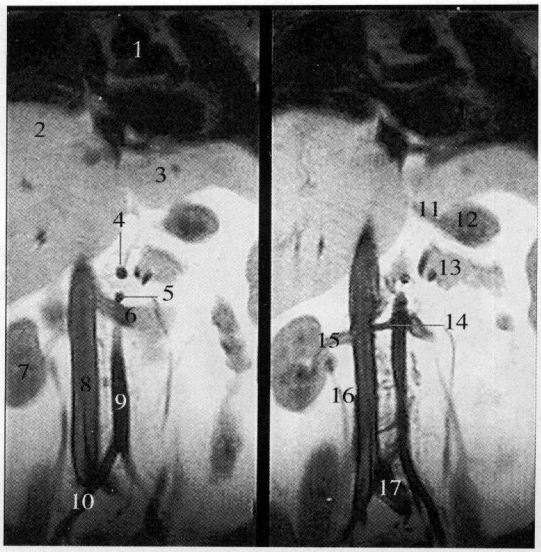
059 经肝门层面横断层

1 肝圆韧带裂
fissure for ligamentum teres hepatis
2 肝方叶 quadrate lobe of liver
3 胆囊 gallbladder
4 肝门静脉 hepatic portal vein
5 下腔静脉 inferior vena cava
6 肝静脉 hepatic veins
7 肝左叶 left lobe of liver
8 幽门窦 pyloric antrum
9 横结肠 transverse colon
10 空肠 jejunum
11 降结肠 descending colon
12 尾状叶 caudate lobe of liver
13 胰体 body of pancreas
14 胃体 body of stomach
15 脾 spleen
16 第 11 胸椎
11th thoracic vertebrae



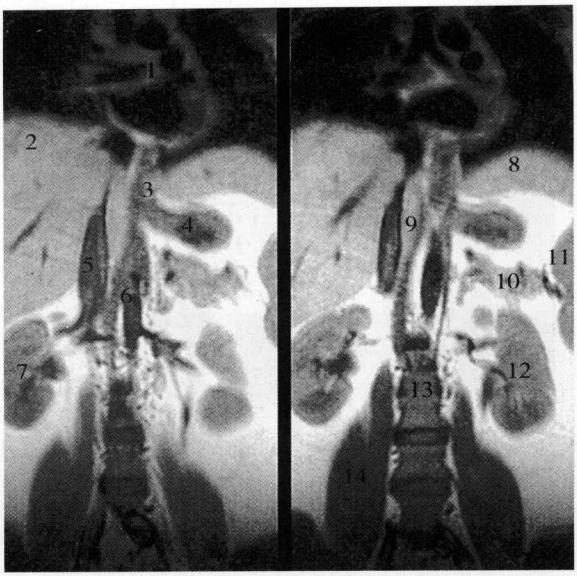
060 肝冠状位 MRI

1 肝右叶 right lobe of liver
2 胰头 head of pancreas
3 肠系膜上静脉 superior mesenteric vein
4 肠系膜上动脉 superior mesenteric artery
5 肝左叶 left lobe of liver
6 肝门静脉 hepatic portal vein
7 脾静脉 splenic vein
8 十二指肠 duodenum
9 右肾 right kidney
10 下腔静脉 inferior vena cava



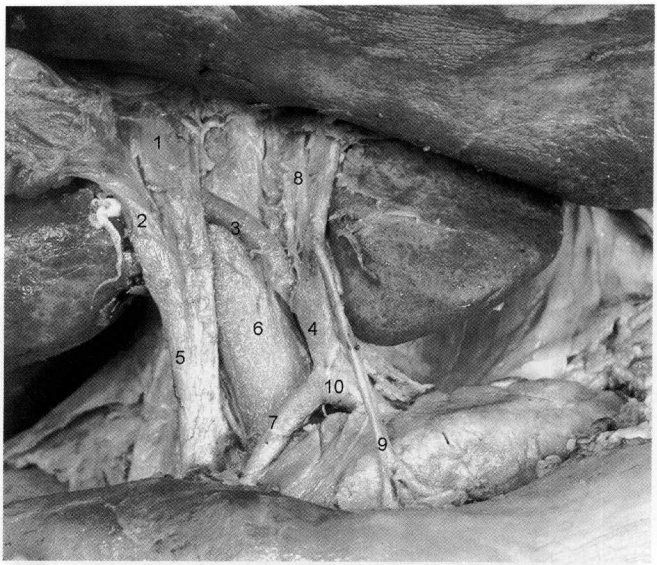
061 腹部冠状位 MRI

1 心 heart
2 肝右叶 right lobe of liver
3 肝左叶 left lobe of liver
4 腹腔干 celiac trunk
5 肠系膜上动脉
superior mesenteric artery
6 左肾静脉 left renal vein
7 右肾 right kidney
8 下腔静脉 inferior vena cava
9 腹主动脉 abdominal aorta
10 右髂总动脉
right common iliac artery
11 食管 esophagus
12 胃 stomach
13 胰 pancreas
14 右肾动脉 right renal artery
15 右肾静脉 right renal vein
16 右输尿管 right ureter
17 左髂总静脉
left common iliac vein



062 腹部冠状位 MRI

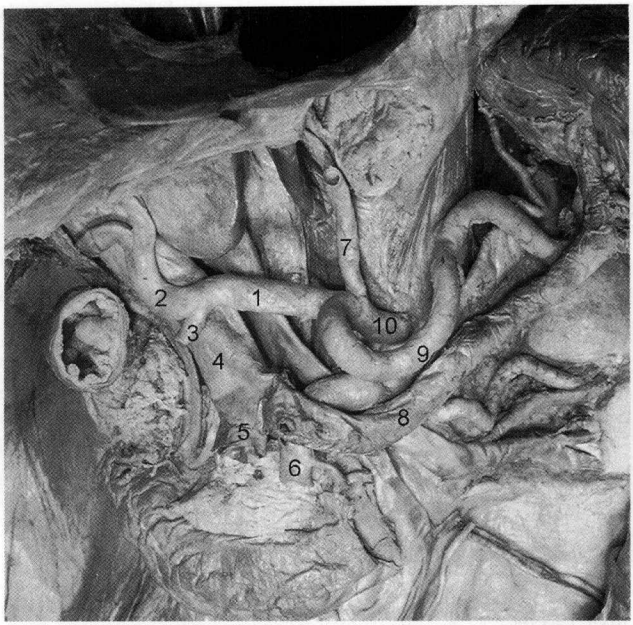
1 心 heart
2 肝右叶 right lobe of liver
3 食管 esophagus
4 胃 stomach
5 下腔静脉 inferior vena cava
6 腹主动脉 abdominal aorta
7 右肾 right kidney
8 肝左叶 left lobe of liver
9 尾状叶 caudate lobe of liver
10 胰 pancreas
11 脾 spleen
12 左肾 left kidney
13 椎间盘 intervertebral discs
14 腰大肌 psoas major



063 肝门结构

1 肝总管 common hepatic duct
2 胆囊管 cystic duct
3 肝右动脉 right hepatic artery
4 肝固有动脉 proper hepatic artery
5 胆总管 common bile duct
6 肝门静脉 hepatic portal vein
7 胃十二指肠动脉 gastroduodenal artery
8 肝左动脉 left hepatic artery
9 胃右动脉 right gastric artery
10 脾动脉 splenic artery

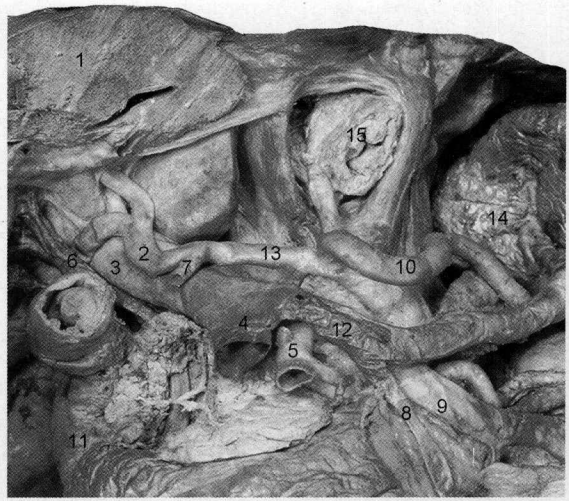
在肝门处，一般肝左、右管在前，肝固有动脉左、右支居中，肝门静脉左、右支在后；肝左、右管的汇合点最高，紧贴横沟，肝门静脉的分叉点稍低，距横沟稍远，而肝固有动脉的分叉点最低，一般相当于胆囊管与肝总管汇合部的水平；在肝十二指肠韧带内，胆总管位于肝门静脉的右前方，肝固有动脉的右侧。



064 腹腔干及其分支(胃和大部分胰切除)

1 肝总动脉
common hepatic artery
2 肝固有动脉
proper hepatic artery
3 胃十二指肠动脉
gastroduodenal artery
4 肝门静脉 hepatic portal vein
5 肠系膜上静脉
superior mesenteric vein
6 肠系膜上动脉
superior mesenteric artery
7 胃左动脉 left gastric artery
8 脾静脉 splenic vein
9 脾动脉 splenic artery
10 腹腔干 celiac trunk

腹腔干为一短干,多在第1腰椎水平起自腹主动脉前壁,其分支有变异,以分出肝总动脉、脾动脉和胃左动脉为多。



065 脾静脉和肝门静脉

1 肝 liver
2 肝固有动脉
proper hepatic artery
3 肝门静脉 hepatic portal vein
4 肠系膜上静脉
superior mesenteric vein
5 肠系膜上动脉
superior mesenteric artery
6 胆总管 common bile duct
7 胃十二指肠动脉
gastroduodenal artery
8 肠系膜下静脉
inferior mesenteric vein
9 肾静脉 renal vein
10 脾动脉 splenic artery
11 十二指肠 duodenum
12 脾静脉 splenic vein
13 肝总动脉
common hepatic artery
14 脾 spleen
15 食管 esophagus

肝门静脉是腹腔中较大的静脉干，通常主要由肠系膜上静脉和脾静脉汇合而成，汇合部位一般在胰颈后方，胰头的病变常可累及肝门静脉。



066 十二指肠的毗邻和动脉供应

1 肝总动脉
common hepatic artery
2 胃十二指肠动脉
gastroduodenal artery
3 十二指肠 duodenum
4 胰 pancreas
5 胰十二指肠上动脉
superior pancreaticoduodenal artery
6 肠系膜上静脉
superior mesenteric vein
7 肠系膜上动脉
superior mesenteric artery
8 胰十二指肠下动脉
inferior pancreaticoduodenal artery
9 肠系膜下动脉
inferior mesenteric artery
10 肠系膜下静脉
inferior mesenteric vein



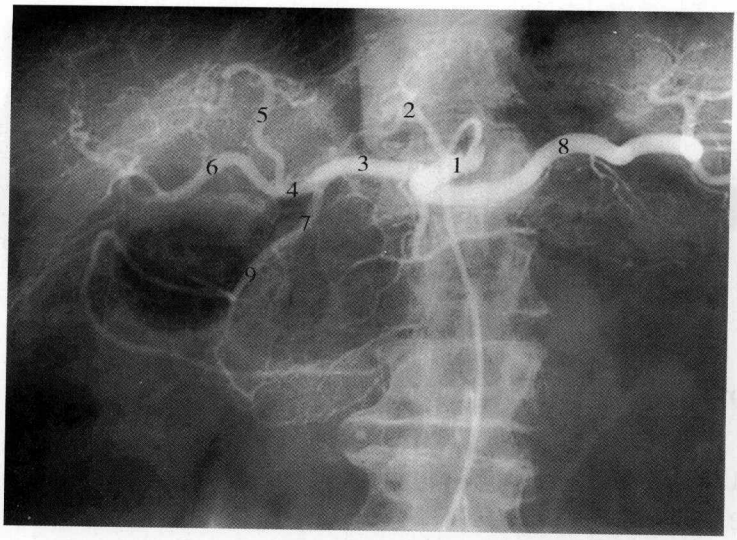
067 下腔静脉上段(显示其属支)

1 肝右静脉 right hepatic veins
2 肝中间静脉 intermediate hepatic veins
3 肝左静脉 left hepatic veins
4 左膈下静脉 left phrenic veins
5 右膈下静脉 right phrenic veins
6 下腔静脉 inferior vena cava
7 右肾上腺上静脉 right superior suprarenal vein
8 胃左静脉 left gastric vein
9 左膈下动脉 left inferior phrenic artery
10 腹腔干 celiac trunk
11 肠系膜上动脉 superior mesenteric artery
12 右肾动脉 right renal artery



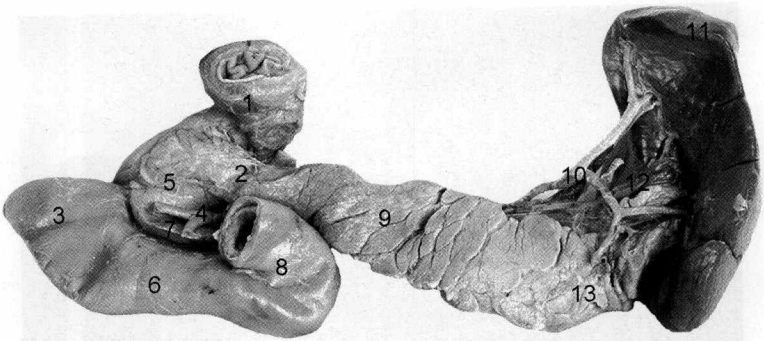
068 经第 12 胸椎体层面

1 结肠右曲 right colic flexure
2 胆囊 gallbladder
3 幽门 pylorus
4 十二指肠 duodenum
5 肝门静脉 hepatic portal vein
6 肝静脉 hepatic veins
7 下腔静脉 inferior vena cava
8 肝右叶 right lobe of liver
9 右肾上腺
right suprarenal gland
10 肝左叶 left lobe of liver
11 幽门窦 pyloric antrum
12 胰体 body of pancreas
13 横结肠 transverse colon
14 空肠 jejunum
15 降结肠 descending colon
16 脾 spleen
17 左肾上腺
left suprarenal gland
18 左肾 left kidney



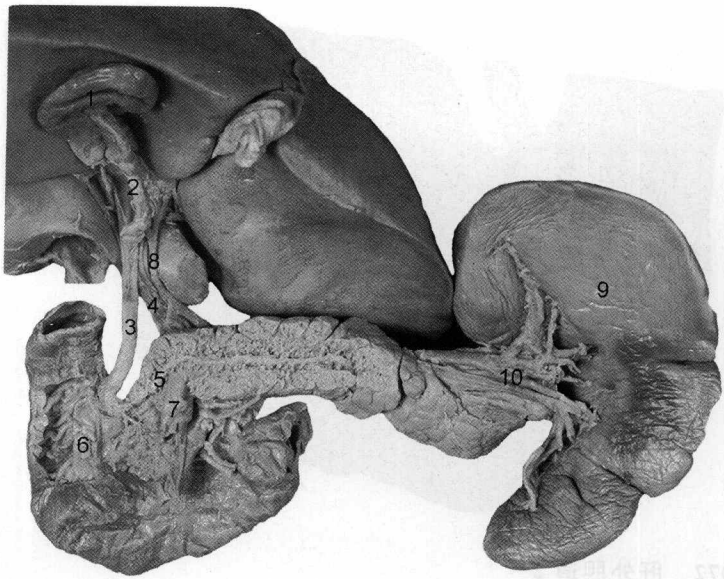
069 腹腔干造影

1 腹腔干 celiac trunk
2 胃左动脉 left gastric artery
3 肝总动脉 common hepatic artery
4 肝固有动脉 proper hepatic artery
5 肝左动脉 left hepatic artery
6 肝右动脉 right hepatic artery
7 胃十二指肠动脉 gastroduodenal artery
8 脾动脉 splenic artery
9 胰十二指肠上动脉 superior pancreaticoduodenal artery



070 十二指肠、胰、脾及其位置关系

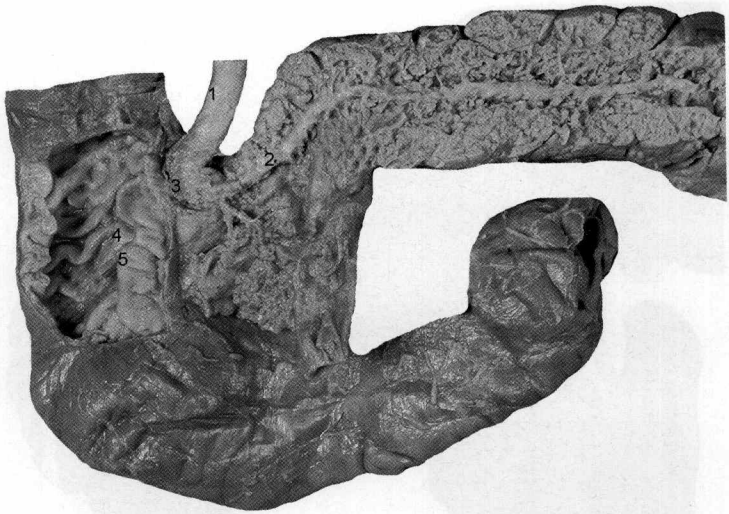
1 十二指肠上部 superior part of duodenum
2 胰颈 neck of pancreas
3 十二指肠降部 descending part of duodenum
4 肠系膜上动脉 superior mesenteric artery
5 胰头 head of pancreas
6 十二指肠水平部 horizontal part of duodenum
7 钩突 uncinate process
8 十二指肠升部 ascending part of duodenum
9 胰体 body of pancreas
10 脾动脉 splenic artery
11 脾 spleen
12 脾静脉 splenic vein
13 胰尾 tail of pancreas



071 肝外胆道 1

1 胆囊 gallbladder
2 胆囊管 cystic duct
3 胆总管 common bile duct
4 肝门静脉 hepatic portal vein
5 胰管 pancreatic duct
6 十二指肠大乳头 major duodenal papilla
7 肠系膜上静脉 superior mesenteric vein
8 肝固有动脉 proper hepatic artery
9 脾 spleen
10 脾动、静脉 splenic artery & vein

肝外胆道由肝左、右管，肝总管、胆囊和胆总管组成。



072 肝外胆道 2

1 胆总管 common bile duct

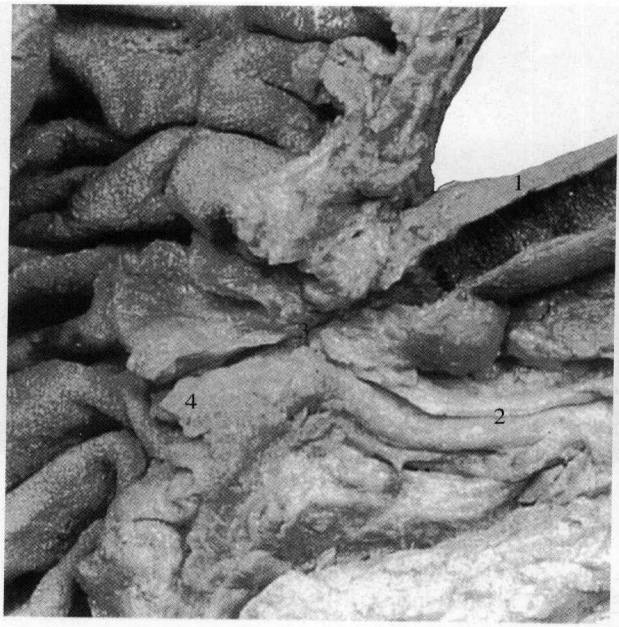
2 胰管 pancreatic duct

3 肝胰壶腹 hepatopancreatic ampulla (Vater ampulla)

4 十二指肠纵襞 longitudinal fold of duodenum

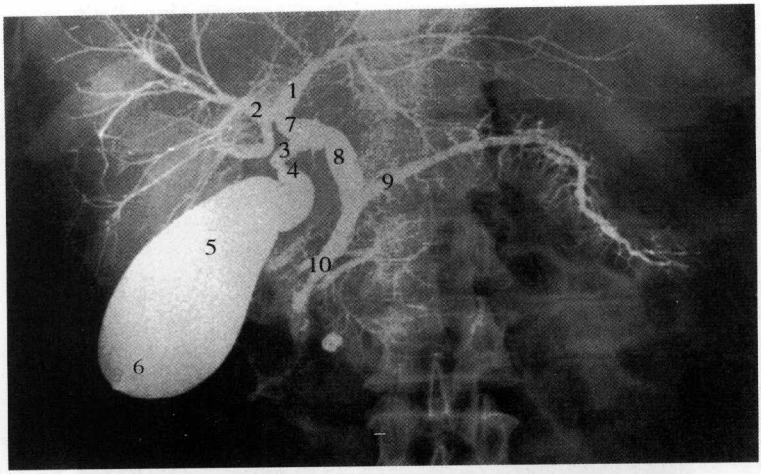
5 十二指肠大乳头 major duodenal papilla

胆总管与胰管在十二指肠降部后内侧壁内汇合,形成一略膨大的共同管道称肝胰壶腹(Vater 壶腹),开口于十二指肠大乳头。在肝胰壶腹周围有肝胰壶腹括约肌(Oddi 括约肌)包绕。



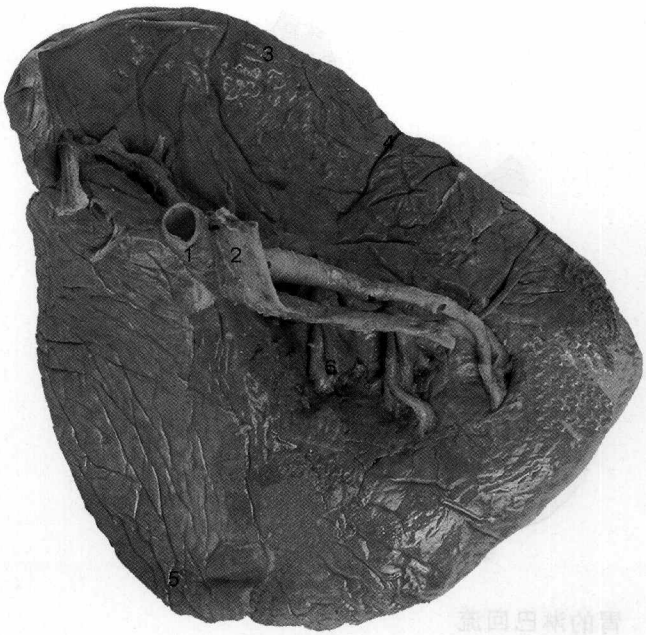
073 肝胰壶腹和十二指肠大乳头

1 胆总管 common hepatic duct
2 胰管 pancreatic duct
3 肝胰壶腹 hepatopancreatic ampulla (Vater ampulla)
4 十二指肠大乳头 major duodenal papilla



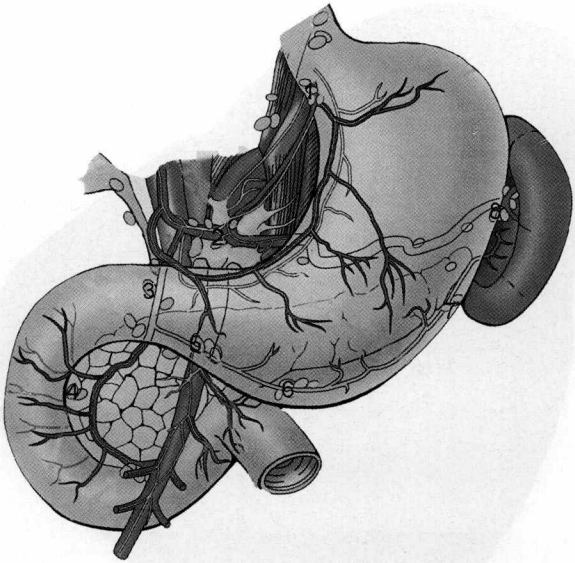
074 胆道造影

1 肝左管 left hepatic duct
2 肝右管 right hepatic duct
3 胆囊管 cystic duct
4 胆囊颈 neck of gallbladder
5 胆囊体 body of gallbladder
6 胆囊底 fundus of gallbladder
7 肝总管 common hepatic duct
8 胆总管 common bile duct
9 胰管 pancreatic duct
10 十二指肠大乳头 major duodenal papilla



075 脾(脏面观)

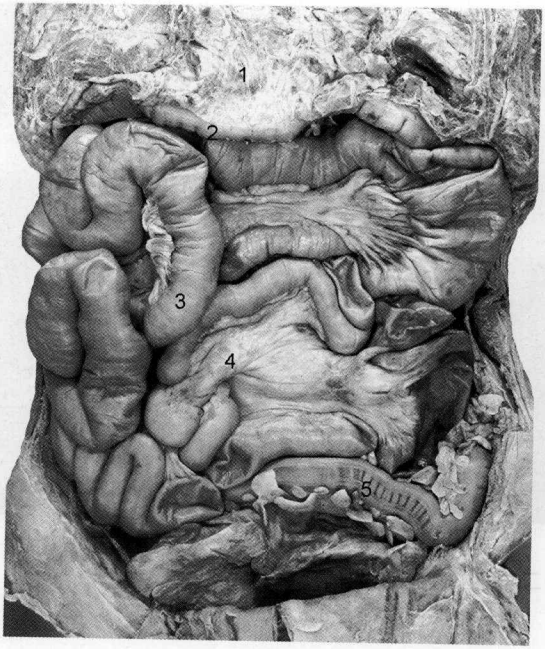
1 脾动脉 splenic artery
2 脾静脉 splenic vein
3 脾上缘 superior border of spleen
4 脾切迹 splenic notch
5 脾下缘 inferior border of spleen
6 脾门 hilum of spleen



076 胃的淋巴回流

1 胃左淋巴结
left gastric lymph nodes
2 腹腔淋巴结 celiac lymph nodes
3 幽门淋巴结
pyloric lymph nodes
4 胰十二指肠淋巴结
pancreaticoduodenal lymph nodes
5 肠系膜上淋巴结
superior mesenteric lymph nodes
6 胃网膜右淋巴结
right gastro omental lymph nodes
7 胃网膜左淋巴结
left gastro omental lymph nodes
8 脾淋巴结 splenic lymph nodes

胃的淋巴管分区回流至胃大、小弯的淋巴结群，最后汇入腹腔淋巴结。胃壁内淋巴管有广泛吻合，故任何一处的胃癌都可侵及其他部位相应的淋巴结。



077 小肠及其系膜

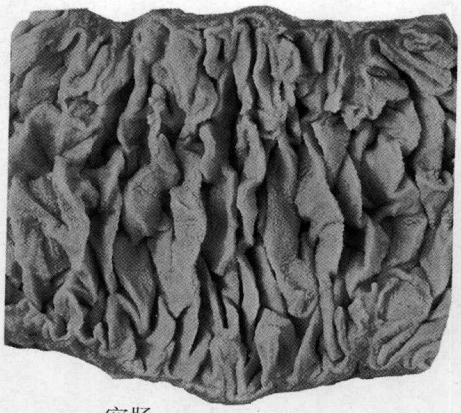
1 大网膜 greater omentum
2 横结肠 transverse colon
3 小肠 small intestine
4 肠系膜 mesentery
5 乙状结肠 sigmoid colon



078 十二指肠悬韧带

1 空肠 jejunum
2 十二指肠空肠曲 duodenojejunal flexure
3 十二指肠升部 ascending part of duodenum
4 十二指肠水平部 horizontal part of duodenum
5 脾 spleen
6 胃 stomach
7 胰 pancreas
8 十二指肠悬肌 suspensory muscle of duodenum

十二指肠悬肌也称十二指肠悬韧带或 Treitz 韧带，由纤维组织和肌组织构成，从十二指肠空肠曲连至右膈脚，有上提和固定十二指肠空肠曲的作用，也是空肠起始的标志。



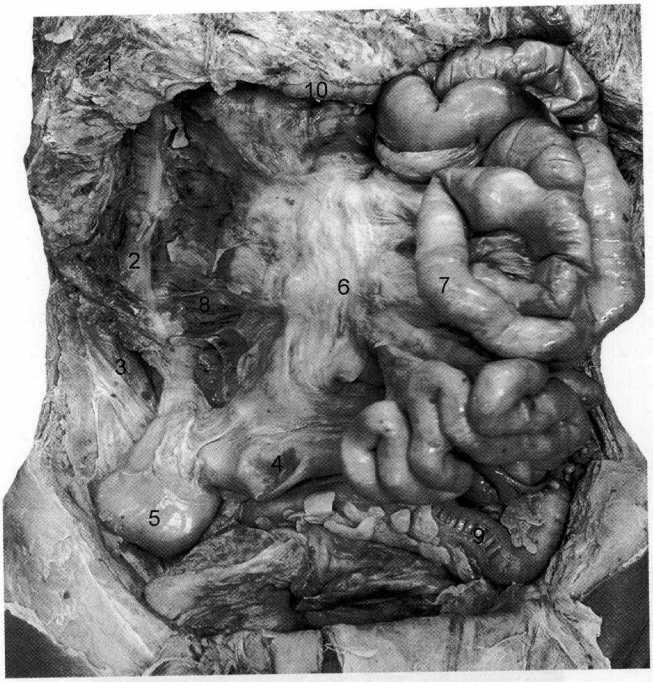
空肠



回肠

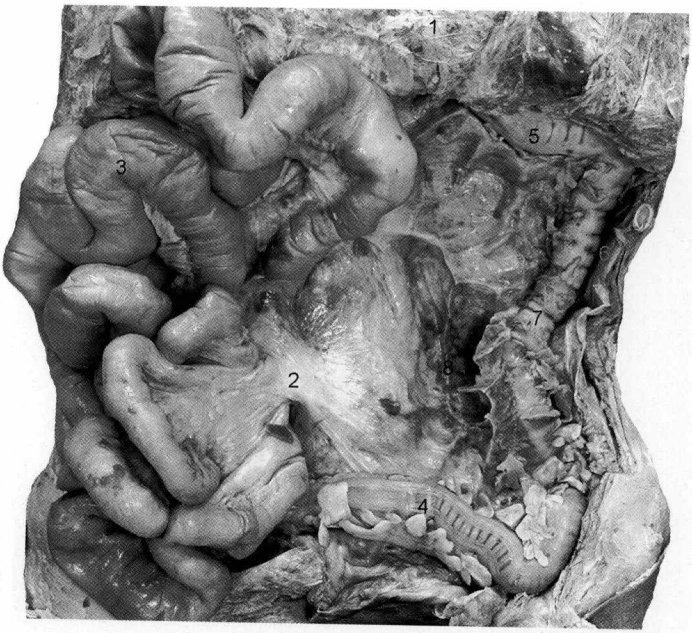
079 空肠和回肠

空肠管径较粗，管壁较厚，血管较多，颜色较红，动脉弓级数少；回肠管径较细，管壁较薄，血管较少，颜色较浅，动脉弓级数多。



080 右结肠旁沟和右肠系膜窦

1 大网膜 greater omentum
2 升结肠 ascending colon
3 右结肠旁沟
right paracolic sulci
4 回肠 ileum
5 盲肠 cecum
6 肠系膜 mesentery
7 小肠 small intestine
8 右肠系膜窦
right mesenteric sinus
9 乙状结肠 sigmoid colon
10 横结肠 transverse colon



081 左结肠旁沟和左肠系膜窦

1 大网膜 greater omentum
2 肠系膜 mesentery
3 小肠 small intestine
4 乙状结肠 sigmoid colon
5 横结肠 transverse colon
6 左结肠旁沟 left paracolic sulci
7 降结肠 descending colon
8 左肠系膜窦 left mesenteric sinus

左肠系膜窦介于肠系膜根、横结肠及其系膜的左 1/3、降结肠、乙状结肠及其系膜之间，窦内感染时易蔓延入盆腔。



082 小肠系膜根

1 升结肠 ascending colon
2 右结肠旁沟 right paracolic sulci
3 回肠 ileum
4 盲肠 cecum
5 肠系膜 mesentery
6 右肠系膜窦
right mesenteric sinus
7 乙状结肠 sigmoid colon
8 横结肠 transverse colon
9 左结肠旁沟 left paracolic sulci
10 降结肠 descending colon
11 左肠系膜窦
left mesenteric sinus

肠系膜将空、回肠悬附于腹后壁，其在腹后壁的附着处称肠系膜根。肠系膜根从第 2 腰椎左侧斜向右下，止于右骶髂关节前方，长约 15cm。肠系膜由两层腹膜构成，内含分布到肠襻的血管、神经和淋巴。



083 阑尾及其系膜

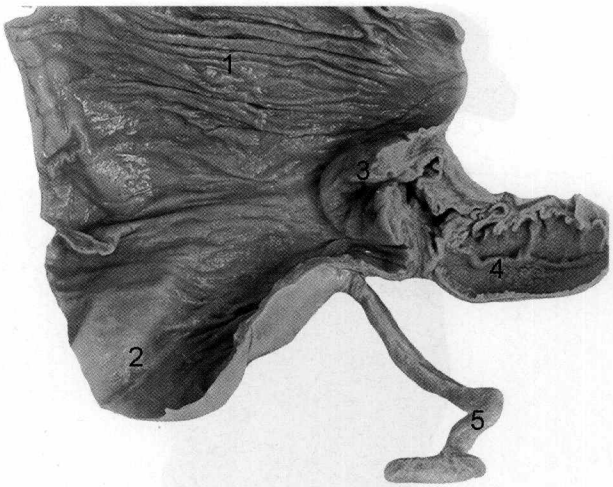
1 升结肠 ascending colon
2 盲肠 cecum
3 阑尾 vermiform appendix
4 回肠 ileum
5 阑尾系膜 mesoappendix
6 乙状结肠 sigmoid colon

阑尾是一蚓状盲突，一般位于右髂窝，其位置变化很大。阑尾腔开口于盲肠内回盲瓣下方，阑尾壁内有丰富的淋巴组织，肌层薄，易发炎，也易穿孔。



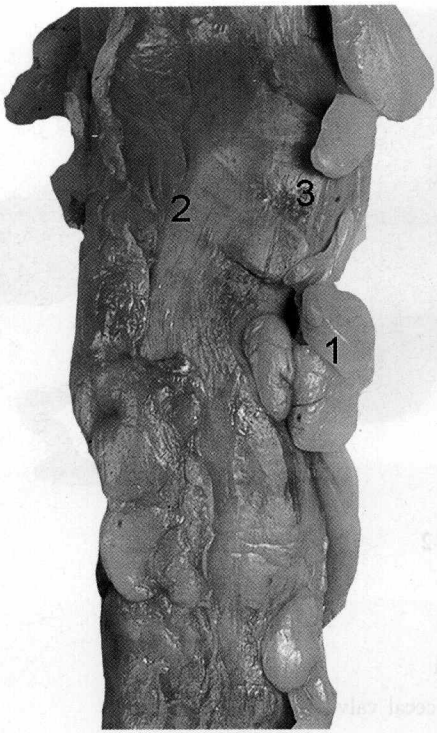
084 回盲部 1

1 结肠 colon
2 盲肠 cecum
3 回盲瓣 ileocecal valve
4 回肠 ileum
5 阑尾 vermiform appendix
6 阑尾口 orifice of vermiform appendix
7 阑尾系膜 mesoappendix



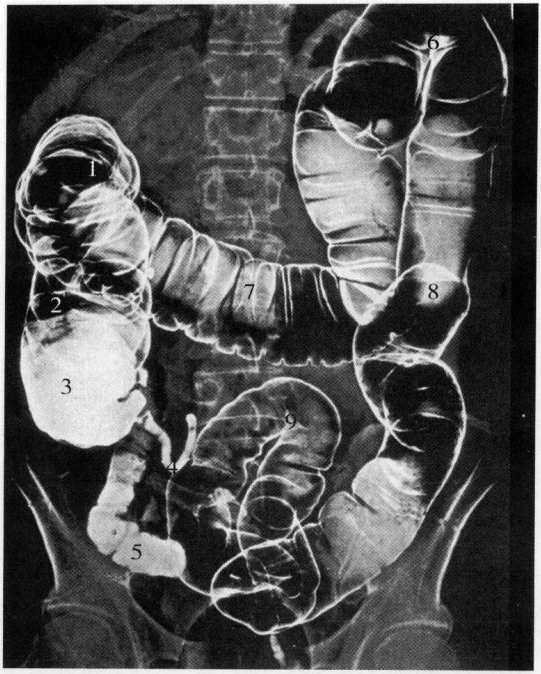
085 回盲部 2

1 结肠 colon
2 盲肠 cecum
3 回盲瓣 ileocecal valve
4 回肠 ileum
5 阑尾 vermiform appendix



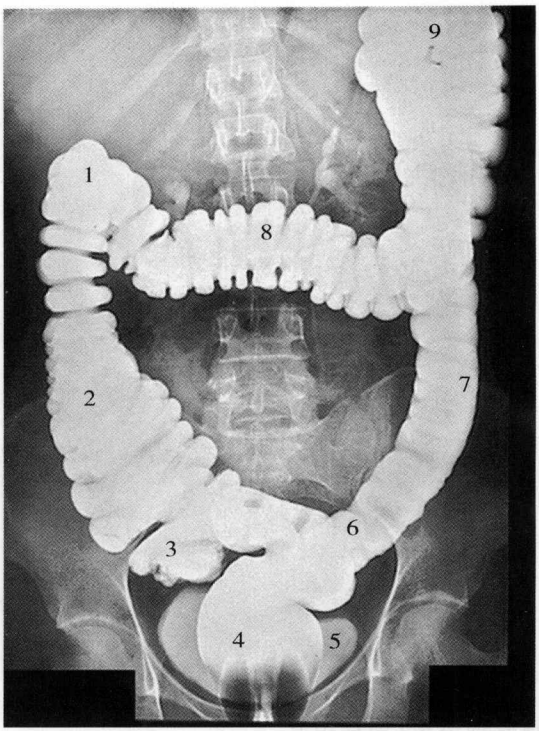
086 结肠

1 肠脂垂 epiploic appendices
2 结肠带 colic band
3 结肠袋 haustra of colon



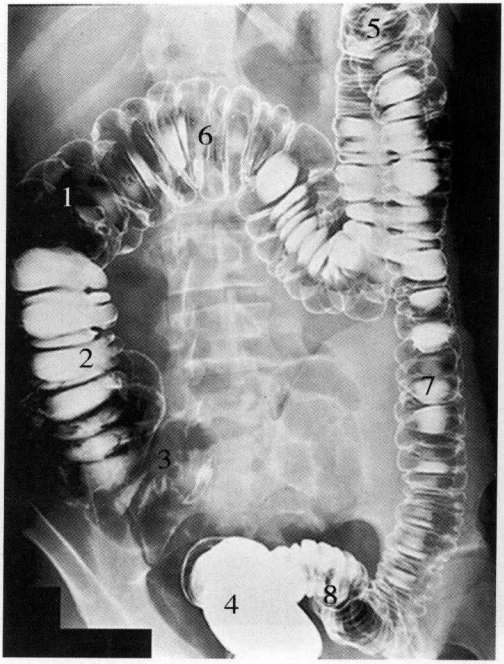
087 结肠气钡造影(前后位)

1 结肠右曲 right colic flexure
2 升结肠 ascending colon
3 盲肠 cecum
4 阑尾 vermiform appendix
5 回肠 ileum
6 结肠左曲 left colic flexure
7 横结肠 transverse colon
8 降结肠 desending colon
9 乙状结肠 sigmoid colon



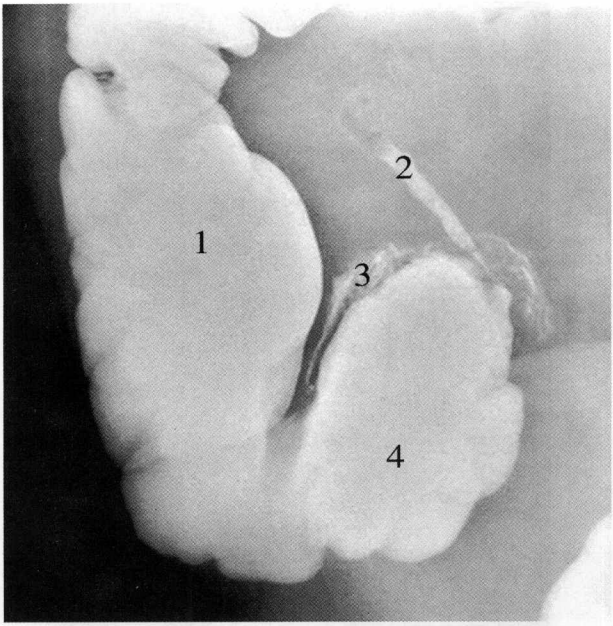
088 结肠钡造影(前后位)

1 结肠右曲 right colic flexure
2 升结肠 ascending colon
3 盲肠 cecum
4 直肠 rectum
5 膀胱 urinary bladder
6 乙状结肠 sigmoid colon
7 降结肠 descending colon
8 横结肠 transverse colon
9 结肠左曲 left colic flexure



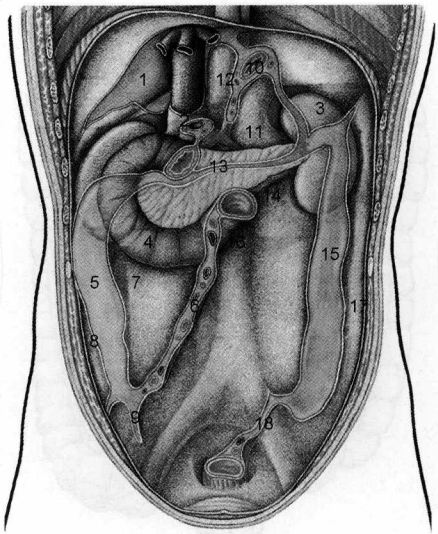
089 结肠气钡造影(前后位)

1 结肠右曲 right colic flexure
2 升结肠 ascending colon
3 盲肠 cecum
4 直肠 rectum
5 结肠左曲 left colic flexure
6 横结肠 transverse colon
7 降结肠 descending colon
8 乙状结肠 sigmoid colon



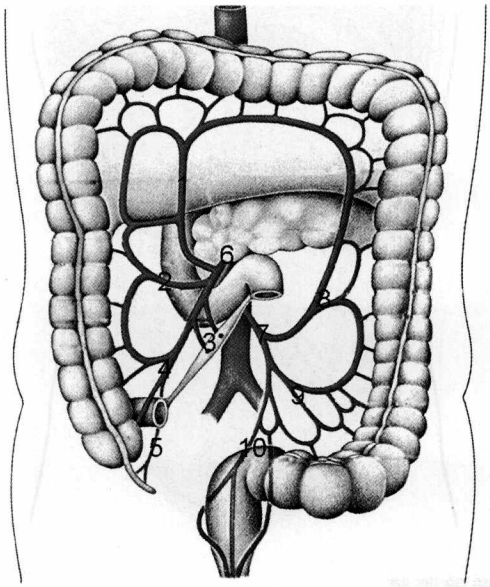
090 盲肠钡造影

1 升结肠 ascending colon
2 阑尾 vermiform appendix
3 回肠 ileum
4 盲肠 cecum



091 腹后壁壁腹膜

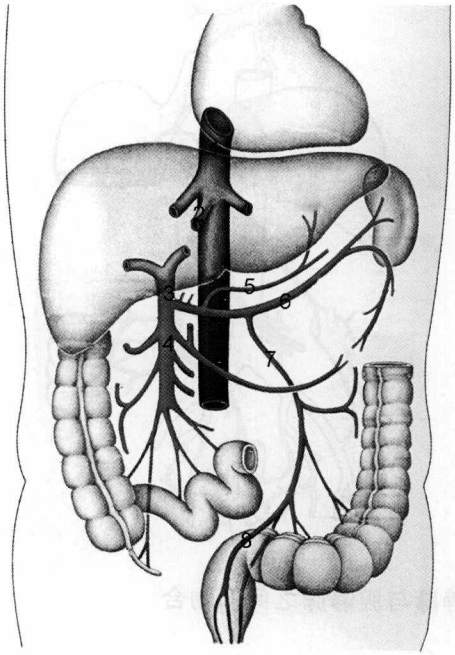
1 肝裸区附着处
attachment of bare area of liver
2 网膜孔 omental foramen
3 肾 kidney
4 十二指肠 duodenum
5 升结肠裸面
bare surface for ascending colon
6 肠系膜根 radix of mesentery
7 右肠系膜窦
right mesenteric sinus
8 右结肠旁沟 right paracolic sulci
9 阑尾系膜根
radix of mesoappendix
10 食管 esophagus
11 网膜囊 omental bursa
12 网膜囊上隐窝
superior omental recess
13 横结肠系膜根
radix of transverse mesocolon
14 十二指肠上隐窝
superior duodenal recess
15 降结肠裸面
bare surface for decending colon
16 十二指肠下隐窝
inferior duodenal recess
17 左结肠旁沟 left paracolic sulci
18 乙状结肠系膜根
radix of mesosigmoid



092 肠系膜上动脉及其分支

1 中结肠动脉 middle colic artery
2 右结肠动脉 right colic artery
3 空肠动脉 jejunal arteries
4 回结肠动脉 ileocolic artery
5 阑尾动脉 appendicular artery
6 肠系膜上动脉 superior mesenteric artery
7 肠系膜下动脉 inferior mesenteric artery
8 左结肠动脉 left colic artery
9 乙状结肠动脉 sigmoid artery
10 直肠上动脉 superior rectal artery

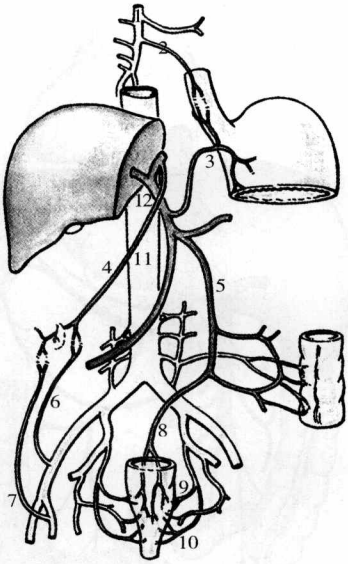
肠系膜上动脉的起点多在第 1 腰椎水平，起自腹主动脉前壁，经胰颈与十二指肠水平部之间进入肠系膜根，主要分支有空肠和回肠动脉，回结肠动脉、右结肠动脉和中结肠动脉。



093 肝门静脉系统

1 下腔静脉 inferior vena cava
2 肝静脉 hepatic veins
3 肝门静脉 hepatic portal vein
4 肠系膜上静脉 superior mesenteric vein
5 胃左静脉 left gastric vein
6 脾静脉 splenic vein
7 肠系膜下静脉 inferior mesenteric vein
8 直肠上静脉 superior rectal vein

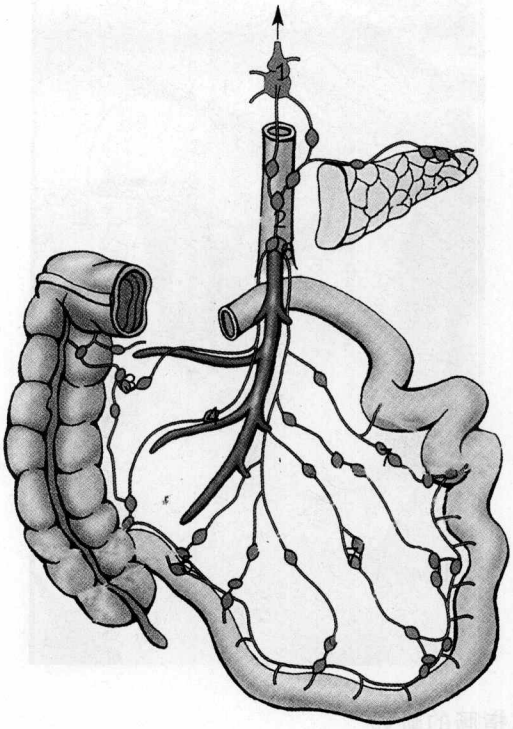
肝门静脉是腹腔中较大的静脉干，通常由肠系膜上静脉和脾静脉在胰颈后方汇合而成。主要属支有肠系膜上、下静脉，脾静脉，胃左、右静脉和附脐静脉。



094 肝门静脉与腔静脉之间的吻合

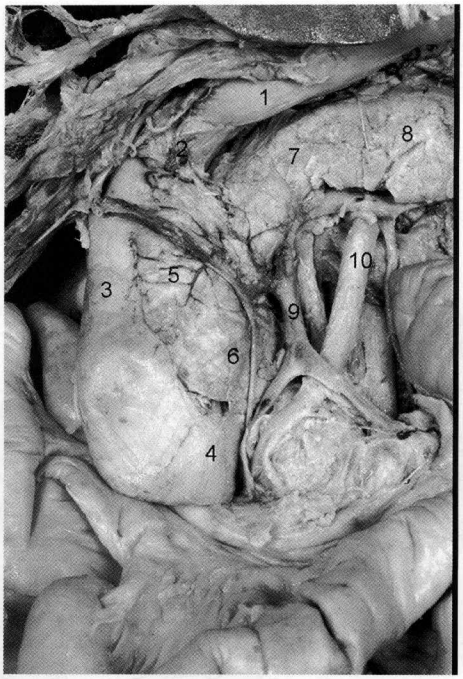
1 奇静脉 azygos vein
2 食管静脉 esophageal vein
3 胃左静脉 left gastric vein
4 附脐静脉 paraumbilical veins
5 肠系膜下静脉 inferior mesenteric vein
6 腹壁下静脉 inferior epigastric vein
7 腹壁浅静脉 superficial epigastric vein
8 直肠上静脉 superior rectal vein
9 直肠下静脉 inferior rectal vein
10 肛静脉 anal vein
11 下腔静脉 inferior vena cava
12 肝门静脉 hepatic portal vein

肝门静脉回流受阻时，其血液可经肝门静脉系与上、下腔静脉系之间的交通支回流，此时血流量增加，交通支变粗弯曲，可出现呕血、便血和脐周静脉曲张等症状。



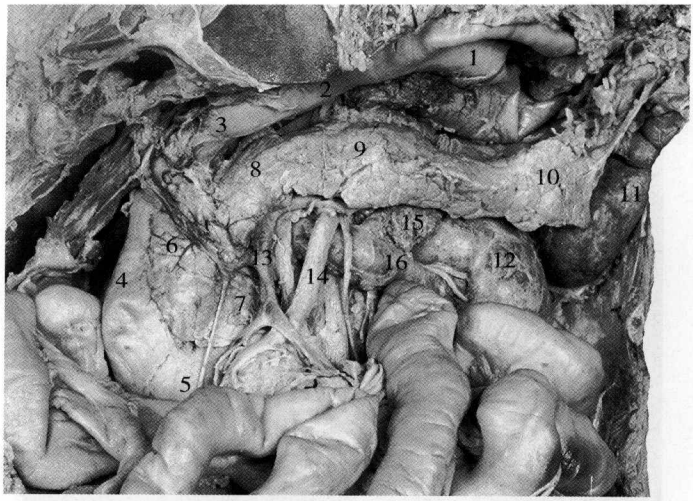
095 小肠淋巴回流

1 乳糜池 cisterna chyli
2 肠干 intestinal trunks
3 中结肠淋巴结
middle colic lymph nodes
4 右结肠淋巴结
right colic lymph nodes
5 回结肠淋巴结
ileocolic lymph nodes
6 肠系膜上淋巴结
superior mesenteric lymph nodes
7 肠系膜淋巴结
mesenteric lymph nodes



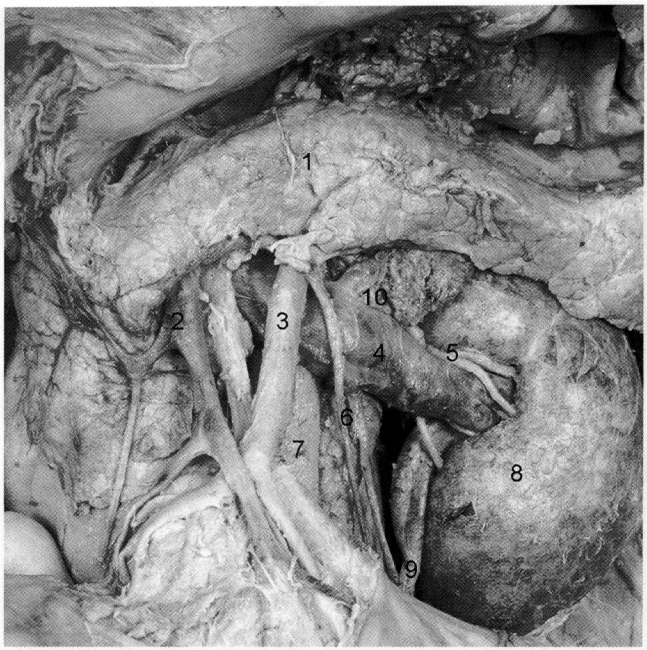
096 十二指肠的毗邻

1 幽门 pylorus
2 十二指肠上部
superior part of duodenum
3 十二指肠降部
descending part of duodenum
4 十二指肠水平部
horizontal part of duodenum
5 胰头 head of pancreas
6 胰钩突
uncinate process of pancreas
7 胰颈 neck of pancreas
8 胰体 body of pancreas
9 肠系膜上静脉
superior mesenteric vein
10 肠系膜上动脉
superior mesenteric artery



097 左肾毗邻

1 胃 stomach
2 幽门 pylorus
3 十二指肠上部
superior part of duodenum
4 十二指肠降部
descending part of duodenum
5 十二指肠水平部
horizontal part of duodenum
6 胰头 head of pancreas
7 胰钩突
uncinate process of pancreas
8 胰颈 neck of pancreas
9 胰体 body of pancreas
10 胰尾 tail of pancreas
11 脾 spleen
12 左肾 left kidney
13 肠系膜上静脉
superior mesenteric vein
14 肠系膜上动脉
superior mesenteric artery
15 左肾上腺
left suprarenal gland
16 肾静脉 renal veins



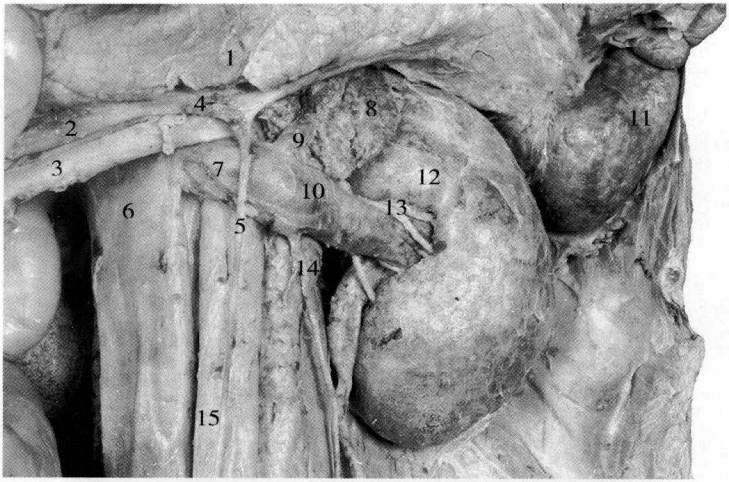
098 左肾门结构

1 胰 pancreas
2 肠系膜上静脉
superior mesenteric vein
3 肠系膜上动脉
superior mesenteric artery
4 肾静脉 renal veins
5 肾动脉 renal artery
6 肠系膜下静脉
inferior mesenteric vein
7 腹主动脉 abdominal aorta
8 肾 kidney
9 输尿管 ureter
10 左肾上腺静脉
left suprarenal vein



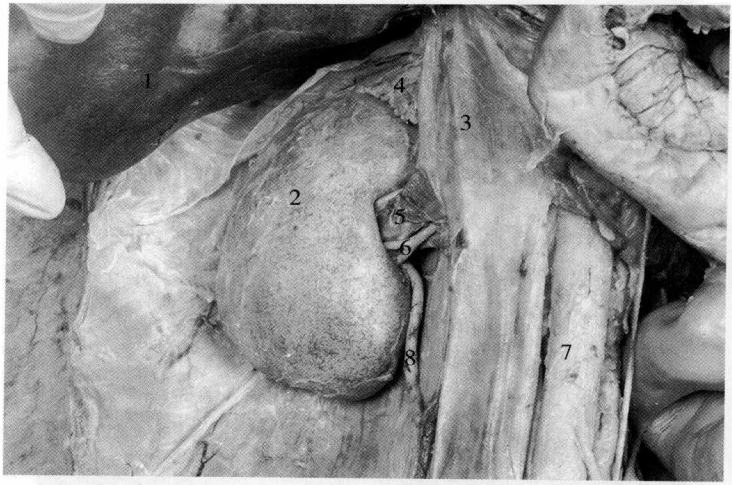
099 腹后壁大血管

1 肠系膜上动脉
superior mesenteric artery
2 下腔静脉 inferior vena cava
3 肾动脉 renal artery
4 腹主动脉 abdominal aorta
5 肠系膜下动脉
inferior mesenteric artery
6 髂总动脉 common iliac artery
7 脾静脉 splenic vein
8 肾上腺静脉 suprarenal vein
9 肾静脉 renal veins
10 肠系膜下静脉
inferior mesenteric vein
11 左睾丸静脉
left testicular vein
12 左结肠动脉 left colic artery
13 直肠上动脉
superior rectal artery



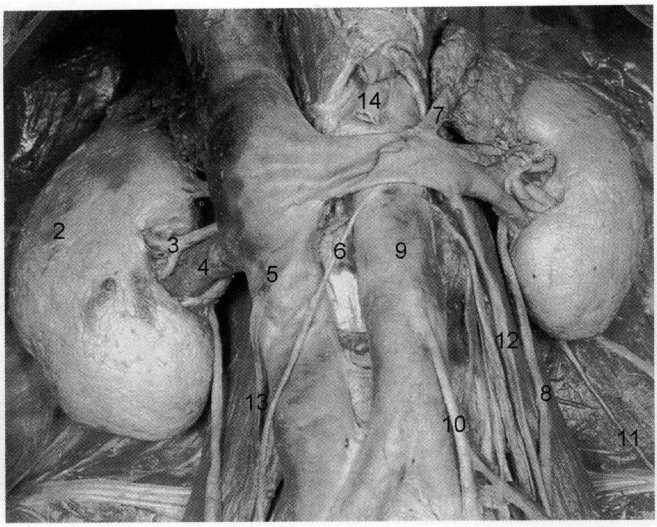
100 左肾血管

1 胰 pancreas
2 肠系膜上静脉
superior mesenteric vein
3 肠系膜上动脉
superior mesenteric artery
4 脾静脉 splenic vein
5 肠系膜下静脉
inferior mesenteric vein
6 下腔静脉 inferior vena cava
7 肾静脉 renal veins
8 肾上腺 suprarenal gland
9 左肾上腺静脉
left suprarenal vein
10 左肾静脉 left renal vein
11 脾 spleen
12 左肾 left kidney
13 左肾动脉 left renal artery
14 左睾丸静脉
left testicular vein
15 腹主动脉 abdominal aorta



101 右肾血管

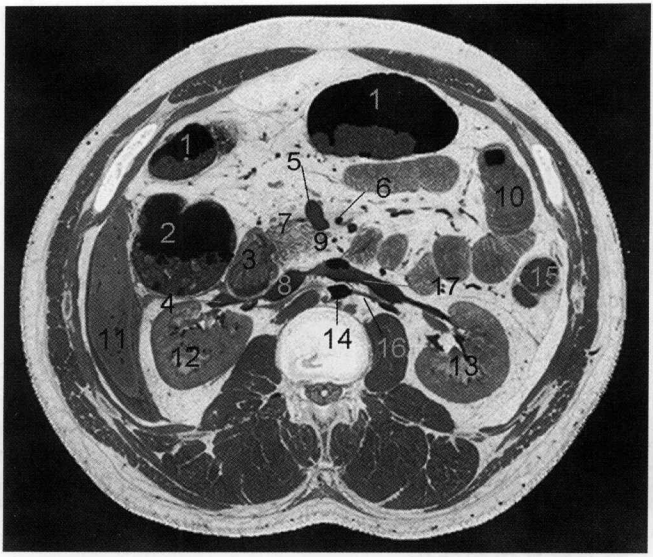
1 肝 liver
2 右肾 right kidney
3 下腔静脉 inferior vena cava
4 右肾上腺 right suprarenal gland
5 右肾静脉 right renal vein
6 右肾动脉 right renal artery
7 腹主动脉 abdominal aorta
8 输尿管 ureter



102 肾、肾上腺及其相关血管

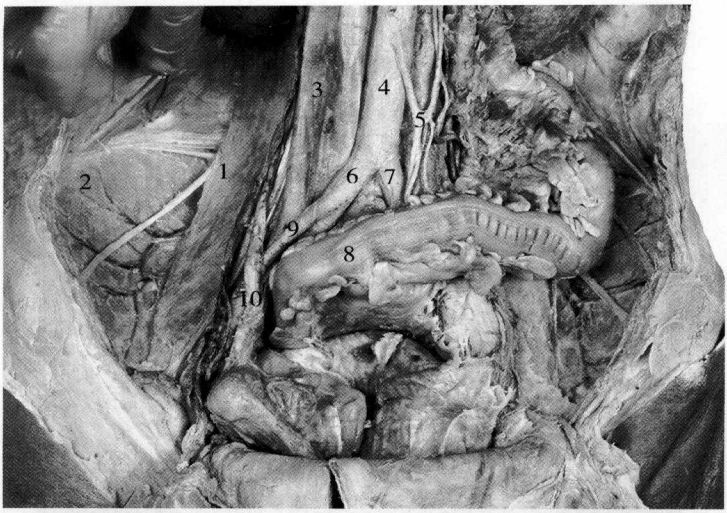
1 肾上腺 suprarenal gland
2 右肾 right kidney
3 右肾动脉 right renal artery
4 右肾静脉 right renal vein
5 下腔静脉 inferior vena cava
6 右睾丸动脉
right testicular artery
7 左肾上腺静脉
left suprarenal vein
8 左输尿管 left ureter
9 腹主动脉 abdominal aorta
10 肠系膜下动脉
inferior mesenteric artery
11 第1腰神经
the first lumbar nerve
12 左睾丸静脉 left testicular vein
13 右睾丸静脉 right testicular vein
14 肠系膜上动脉
superior mesenteric artery

肾上腺的血供丰富，动脉有上、中、下三支，肾上腺上动脉发自膈下动脉，肾上腺中动脉来自腹主动脉，肾上腺下动脉起自肾动脉。



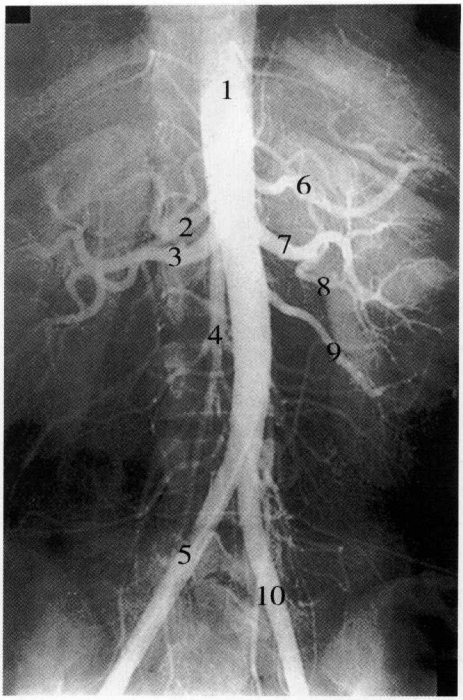
103　经第 1～2 腰椎间盘层面

1 横结肠　transverse colon
2 升结肠　ascending colon
3 十二指肠降部
descending part of duodenum
4 右肾静脉　right renal vein
5 肠系膜上静脉
superior mesenteric vein
6 肠系膜上动脉
superior mesenteric artery
7 胰头　head of pancreas
8 下腔静脉　inferior vena cava
9 钩突　uncinate process
10 空肠　jejunum
11 肝右叶　right lobe of liver
12 右肾　right kidney
13 左肾　left kidney
14 腹主动脉　abdominal aorta
15 降结肠　descending colon
16 左肾动脉　left renal artery
17 左肾静脉　left renal vein



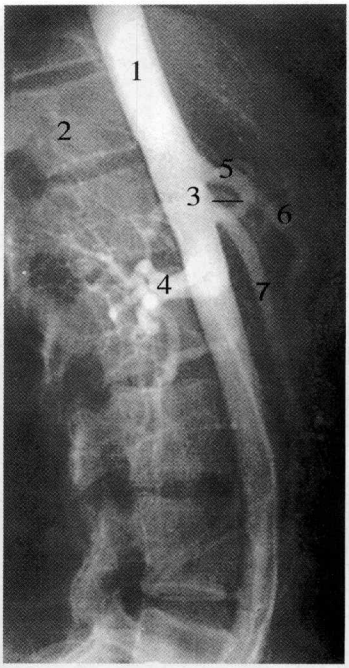
104 髂血管及周围结构

1 腰大肌 psoas major
2 髂肌 iliacus
3 下腔静脉 inferior vena cava
4 腹主动脉 abdominal aorta
5 肠系膜下动脉 inferior mesenteric artery
6 右髂总动脉 right common iliac artery
7 左髂总动脉 left common iliac artery
8 乙状结肠 sigmoid colon
9 髂外动脉 external iliac artery
10 输尿管 ureter



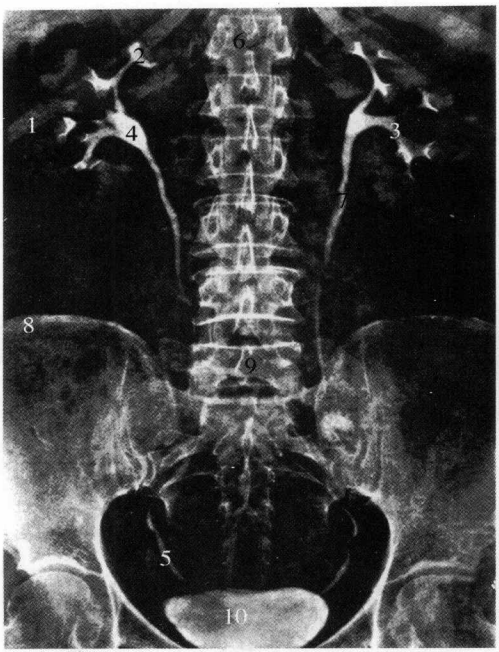
105 腹主动脉造影(前后位)

1 腹主动脉 abdominal aorta
2 肝总动脉 common hepatic artery
3 右肾动脉 right renal artery
4 肠系膜上动脉
superior mesenteric artery
5 右髂总动脉
right common iliac artery
6 脾动脉 splenic artery
7 左肾动脉 left renal artery
8 副肾动脉 accessory renal artery
9 肠系膜下动脉
inferior mesenteric artery
10 左髂总动脉
left common iliac artery



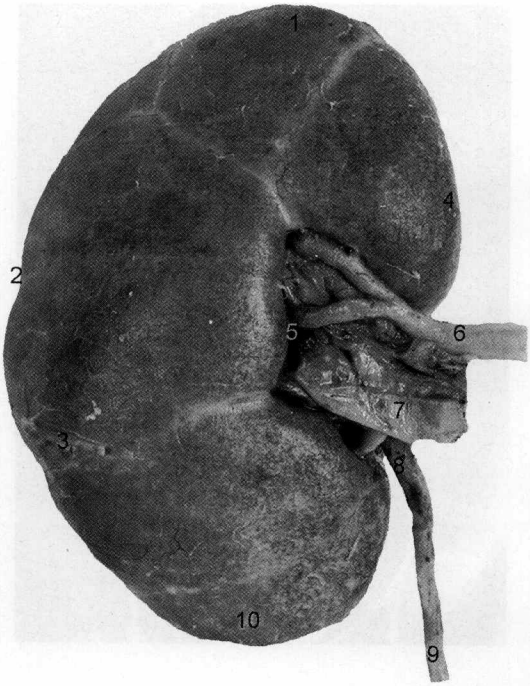
106 腹主动脉造影(侧位)

1 腹主动脉 abdominal aorta
2 椎体 vertebral body
3 肝总动脉 common hepatic artery
4 肾动脉 renal artery
5 腹腔干 celiac trunk
6 脾动脉 splenic artery
7 肠系膜上动脉 superior mesenteric artery



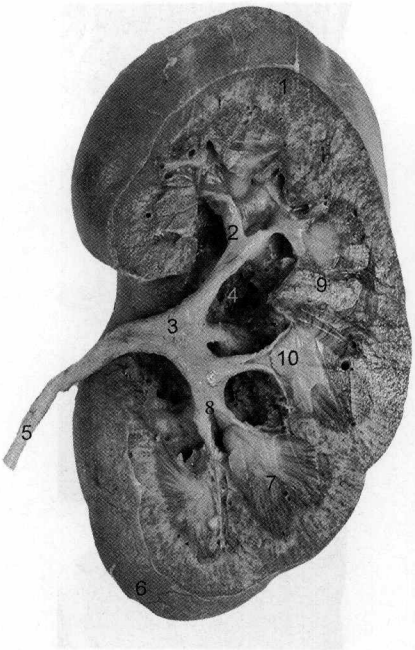
107 静脉尿路造影

1 第 11 肋 11th rib
2 肾小盏 minor renal calices
3 肾大盏 major renal calice
4 肾盂 renal pelvis
5 输尿管盆部 pelvic part of ureter
6 第 12 胸椎 12th thoracic vertebrae
7 输尿管腹部 abdominal part of the ureter
8 髂嵴 iliac crest
9 第 5 腰椎 5th lumbar vertebrae
10 膀胱 urinary bladder



108 肾

1 上端 superior extremity
2 外侧缘 lateral border
3 纤维囊 fibrous capsule
4 内侧缘 medial border
5 肾门 renal hilum
6 肾动脉 renal artery
7 肾静脉 renal vein
8 肾盂 renal pelvis
9 输尿管 ureter
10 下端 inferior extremity



109 肾冠状切面

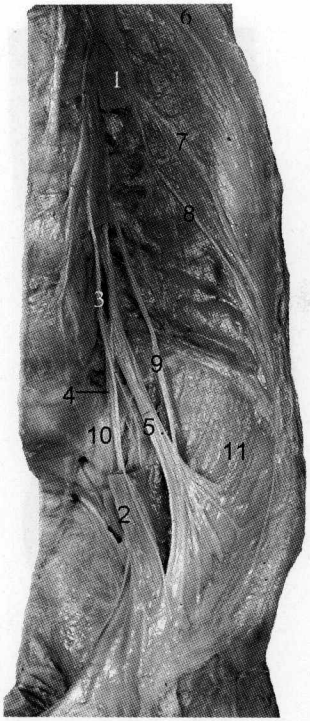
1 肾皮质 renal cortex
2 肾大盏 major renal calices
3 肾盂 renal pelvis
4 肾窦 renal sinus
5 输尿管 ureter
6 纤维囊 fibrous capsule
7 肾锥体 renal pyramids
8 肾小盏 minor renal calices
9 肾柱 renal columns
10 肾乳头 renal papillae

肾内侧缘中部凹陷处称肾门，有肾血管、肾盂、神经和淋巴管等出入。肾门的边缘称肾唇，有前唇和后唇。肾门深入肾实质所围成的腔隙称肾窦。出入肾门的肾血管、肾盂、神经和淋巴管等被结缔组织包裹称肾蒂。



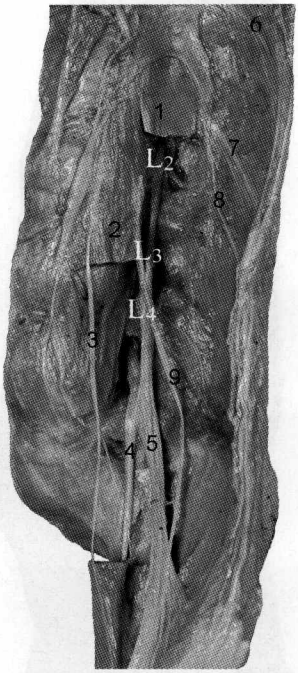
110 腹后壁肌

1 腰方肌 quadratus lumborum
2 髂嵴 iliac crest
3 髂肌 iliacus
4 髂腰肌 iliopsoas
5 腰小肌 psoas minor
6 腰大肌 psoas major
7 腹股沟韧带 inguinal ligament
8 耻骨肌 pectineus



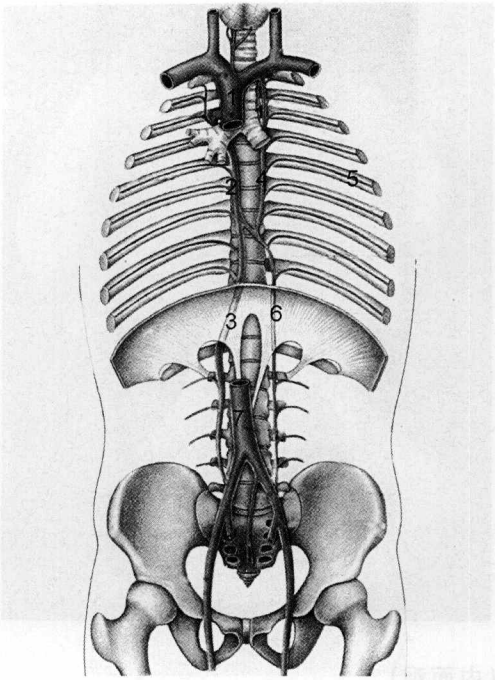
111 腰丛

1 腰方肌
quadratus lumborum mnscle
2 腰大肌 psoas major mnscle
3 生殖股神经 genitofemoral nerve
4 闭孔神经 obturator nerve
5 股神经 femoral nerve
6 肋下神经 subcostal nerve
7 髂腹下神经
iliohypogastric nerve
8 髂腹股沟神经
ilioinguinal nerve
9 股外侧皮神经
lateral femoral cutaneous nerve
10 腰骶干 lumbosacral trunk
11 髂肌 iliacus mnscle



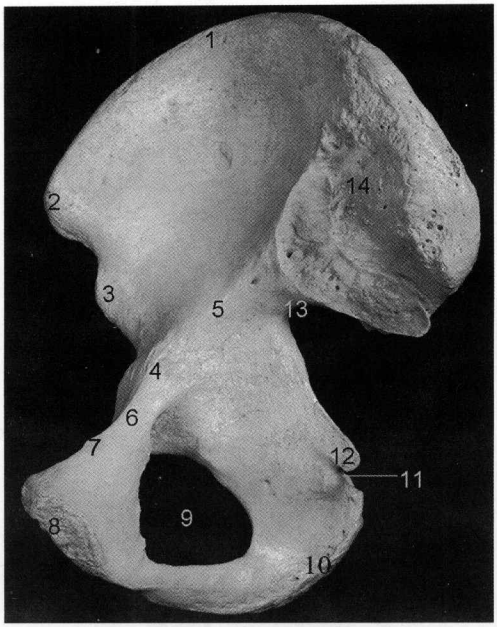
112 腰丛的根

1 腰方肌
quadratus lumborum mnscle
2 腰大肌 psoas major mnscle
3 生殖股神经
genitofemoral nerve
4 闭孔神经 obturator nerve
5 股神经 femoral nerve
6 肋下神经 subcostal nerve
7 髂腹下神经
iliohypogastric nerve
8 髂腹股沟神经
ilioinguinal nerve
9 股外侧皮神经
lateral femoral cutaneous nerve
10 腰骶干 lumbosacral trunk
11 髂肌 iliacus mnscle



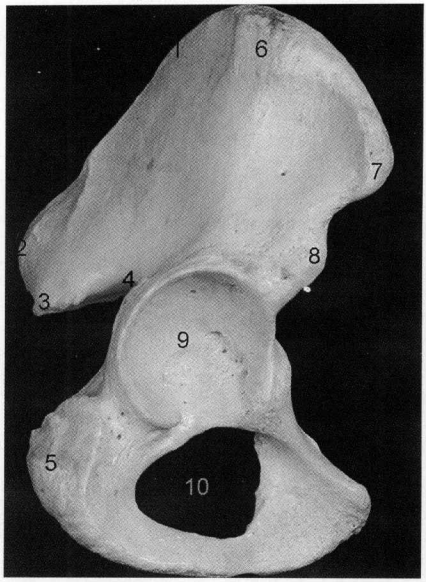
113 腹后壁静脉

1 上腔静脉 superior vena cava
2 奇静脉 azygos vein
3 腰升静脉 ascending lumbar vein
4 副半奇静脉
accessory hemiazygos vein
5 肋间后静脉
posterior intercostal veins
6 半奇静脉 hemiazygos vein
7 下腔静脉 inferior vena cava



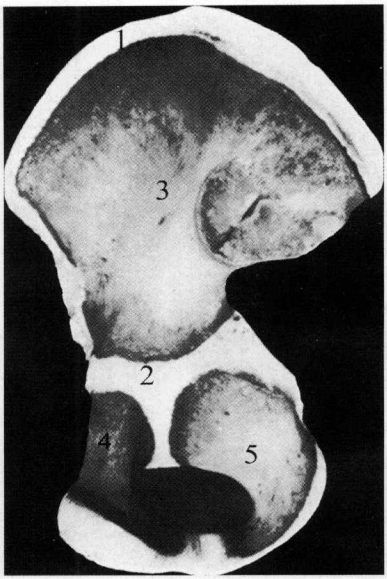
114 髂骨(内面观)

1 髂嵴 iliac crest
2 髂前上棘
anterior superior iliac spine
3 髂前下棘
anterior inferior iliac spine
4 髂耻隆起 iliopubic eminence
5 弓状线 arcuate line
6 耻骨梳 pecten pubis
7 耻骨结节 pubic tubercle
8 耻骨联合面 symphysial surface
9 闭孔 obturator foramen
10 坐骨结节 ischial tuberosity
11 坐骨小切迹
lesser sciatic notch
12 坐骨棘 ischial spine
13 坐骨大切迹
greater sciatic notch
14 耳状面 auricular surface



115 髂骨外面观

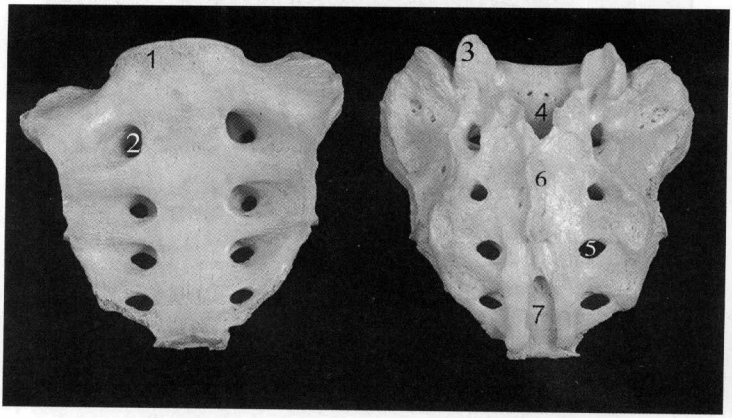
1 髂嵴 iliac crest
2 髂后上棘
posterior superior iliac spine
3 髂后下棘
posterior inferior iliac spine
4 坐骨大切迹
greater sciatic notch
5 坐骨结节 ischial tuberosity
6 髂结节 tubercle of iliac crest
7 髂前上棘
anterior superior iliac spine
8 髂前下棘
anterior inferior iliac spine
9 髋臼 acetabulum
10 闭孔 obturator foramen



116 髋骨的构成

1 髂嵴的软骨 cartilage of iliac crest
2 软骨 cartilage
3 髂骨 ilium
4 耻骨 pubis
5 坐骨 ischium

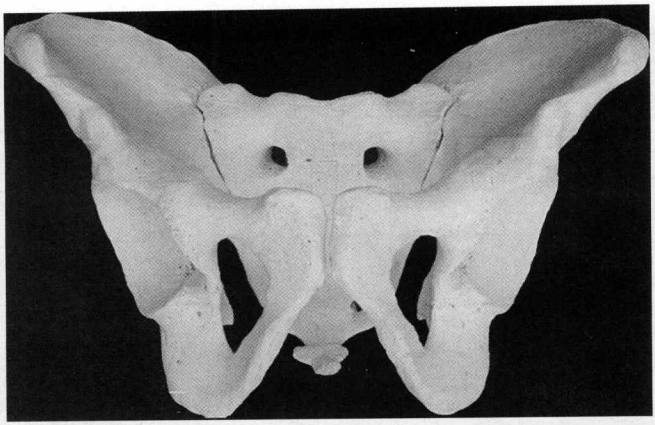
髋骨由髂骨、坐骨和耻骨组成，三骨会合于髋臼，16 岁左右完全融合。



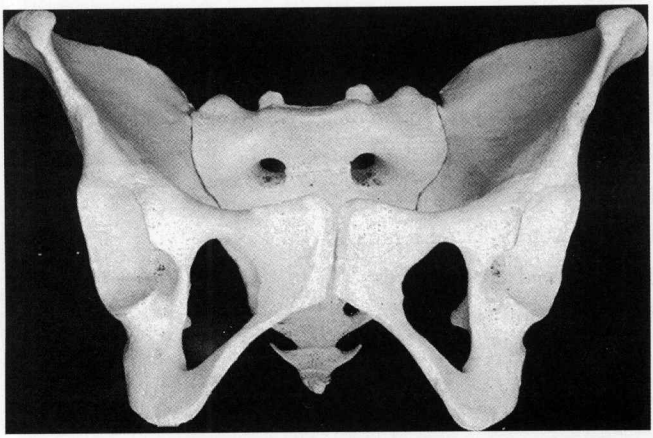
前面观　　后面观

117　骶骨

1 骶岬　sacral promontory
2 骶前孔　anterior sacral foramina
3 上关节突　superior articular process
4 骶管　sacral canal
5 骶后孔　posterior sacral foramina
6 骶正中嵴　median sacral crest
7 骶管裂孔　sacral hiatus



118　男性骨盆



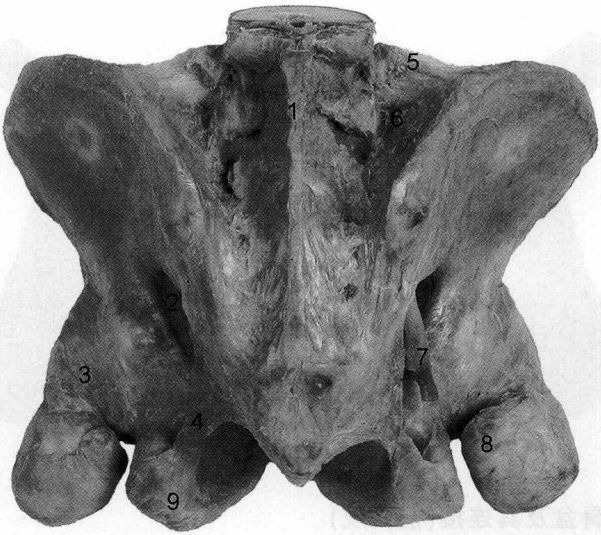
119　女性骨盆

骨盆有明显的性别差异，女性骨盆宽短，上口圆形，下口宽大；男性骨盆窄长，上口心形，下口窄小。



120 骨盆及其连接(前面观)

1 骶岬 sacral promontory
2 闭膜管 obturator canal
3 闭孔膜 obturator membrane
4 腹股沟韧带 inguinal ligament
5 耻骨联合 pubic symphysis
6 髋关节囊 capsule of hip joint
7 耻骨下角 subpubic angle



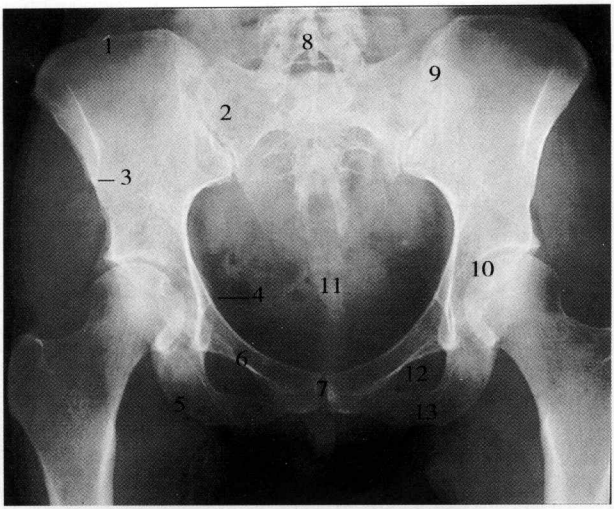
121 骨盆及其连接(后面观)

1 骶正中嵴 median sacral crest
2 坐骨大孔 greater sciatic foramen
3 髋关节囊 capsule of hip joint
4 骶结节韧带 sacrotuberous ligament
5 髂腰韧带 iliolumbar ligament
6 骶髂后韧带 posterior sacroiliac ligament
7 坐骨神经 sciatic nerve
8 大转子 greater trochanter
9 坐骨结节 ischial tuberosity



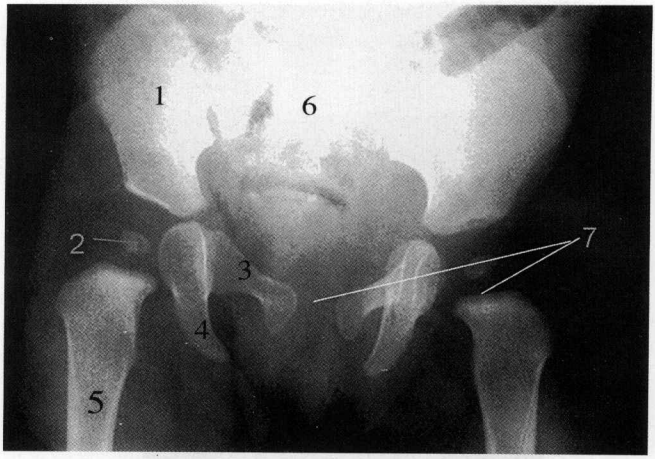
122 骨盆及其连接(侧面观)

1 坐骨大孔 greater sciatic foramen
2 坐骨神经 sciatic nerve
3 骶棘韧带 sacrospinous ligament
4 坐骨小孔 lesser sciatic foramen
5 骶结节韧带 sacrotuberous ligament
6 坐骨结节 ischial tuberosity



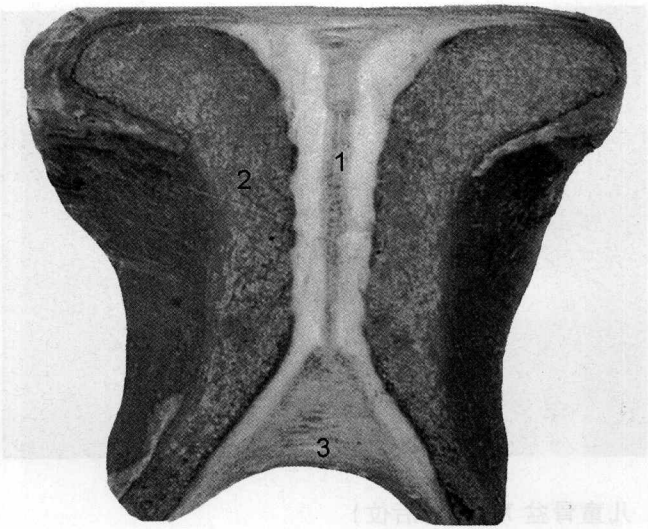
123 成人骨盆X像(前后位)

1 髂嵴 iliac crest
2 骶骨 sacrum
3 髂前上棘
anterior superior iliac spine
4 坐骨棘 ischial spine
5 坐骨结节 ischial tuberosity
6 耻骨上支
superior ramus of pubis
7 耻骨联合 pubic symphysis
8 第5腰椎 5th lumbar vertebra
9 骶髂关节 cacroiliac joint
10 髋臼 acetabulum
11 尾骨 coccyx
12 闭孔 obturator foramen
13 耻骨下支
inferior ramus of pubis



124 儿童骨盆X像(前后位)

1 髂骨 ilium
2 股骨头骨化中心 ossification center of femoral head
3 耻骨 pubis
4 坐骨 ischium
5 股骨体 shaft of femur
6 骶椎 sacral vertebrae
7 软骨区 cartilaginous area

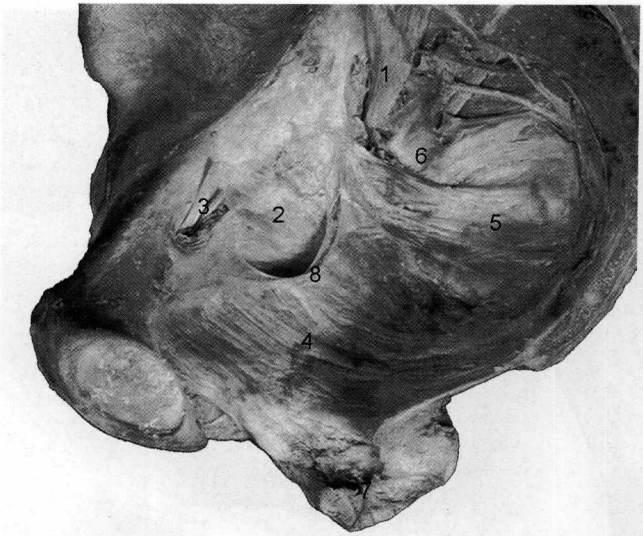


125 耻骨联合

1 耻骨间盘 interpubic disc

2 耻骨 pubis

3 弓状韧带 arcuate ligament



126 盆壁(内面观)

1 腰骶干 lumbosacral trunk
2 闭孔筋膜 obturator fascia
3 闭孔神经和血管 obturator nerve & vessels
4 肛提肌 levator ani
5 尾骨肌 coccygeus
6 骶丛 sacral plexus
7 肛管 anal canal
8 腱弓 tendinous arch

盆壁肌有闭孔内肌和梨状肌;盆底肌有肛提肌和尾骨肌。



127 盆壁(上面观)

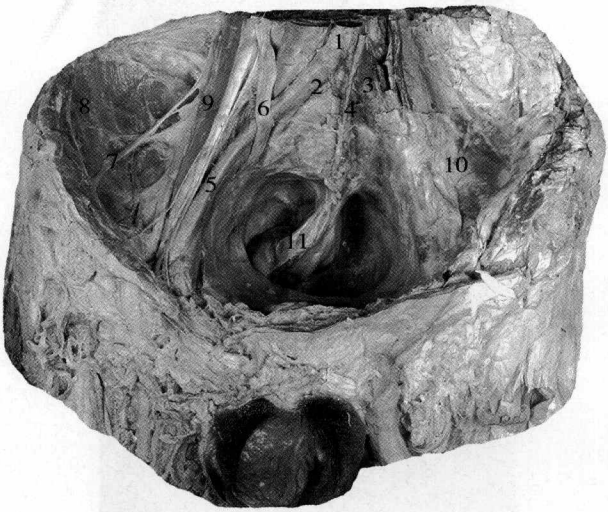
1 腰大肌 psoas major
2 腰骶干 lumbosacral trunk
3 骶丛 sacral plexus
4 闭孔内肌 obturator internus
5 骶岬 sacral promontory
6 梨状肌 piriformis



128 腹膜在盆腔的分布

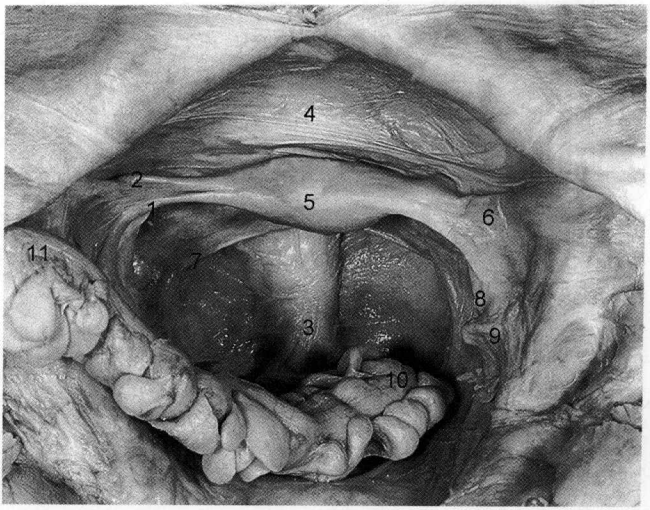
1 直肠 rectum
2 输卵管 uterine tube
3 腹膜 peritoneum
4 膀胱 urinary bladder
5 乙状结肠 sigmoid colon
6 直肠子宫陷凹 rectouterine pouch
7 子宫 uterus
8 膀胱子宫陷凹 vesicouterine pouch

站立或坐位时，男性的直肠膀胱陷凹和女性的直肠子宫陷凹是腹膜腔的最低部位，故腹膜腔的积液多聚积于此，可进行直肠穿刺和阴道后穹穿刺帮助诊断和治疗。



129 男性盆腔(上面观)

1 腹主动脉 abdominal aorta
2 右髂总动脉
right common iliac artery
3 左髂总动脉
left common iliac artery
4 左输尿管 left ureter
5 右髂外动脉
right external iliac artery
6 右输尿管 right ureter
7 股外侧皮神经
lateral femoral cutaneous nerve
8 髂肌 iliacus
9 腰大肌 psoas major
10 腹膜 peritoneum
11 直肠 rectum
12 直肠膀胱陷凹
rectovesical pouch



130 女性盆腔脏器(上面观)

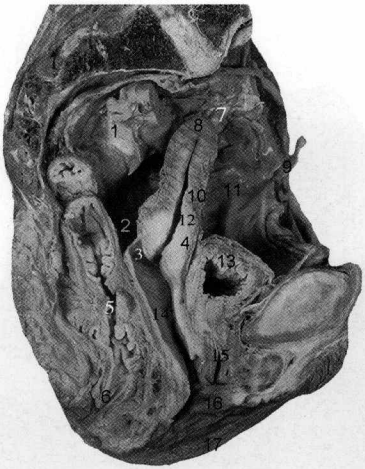
1 子宫圆韧带
round ligament of uterus
2 输卵管 uterine tube
3 阴道体 body of vagina
4 膀胱 urinary bladder
5 子宫底 fundus of uterus
6 子宫阔韧带
broad ligament of uterus
7 骶子宫韧带
uterosacral ligament
8 卵巢 ovary
9 输卵管伞
fimbriae of uterine tube
10 直肠 rectum
11 乙状结肠 sigmoid colon



131 男性盆腔矢状切面

1 输精管壶腹
ampulla of deferent duct
2 直肠壶腹 ampulla of rectum
3 肛管 anal canal
4 肛门外括约肌
external anal sphincter
5 尿道球 bulb of urethra
6 睾丸 testis
7 膀胱 urinary bladder
8 尿道内口
internal urethral orifice
9 尿道前列腺部
prostatic part of urethra
10 前列腺 prostate
11 尿道膜部
membranous part of urethra
12 阴茎海绵体
cavernous body of penis
13 尿道海绵体部 spongy urethra
14 尿道海绵体
cavernous body of urethra

男性尿道分为前列腺部、膜部和海绵体部，分别穿过前列腺、尿生殖膈和尿道海绵体。临床将海绵体部称前尿道，膜部和前列腺部称后尿道。



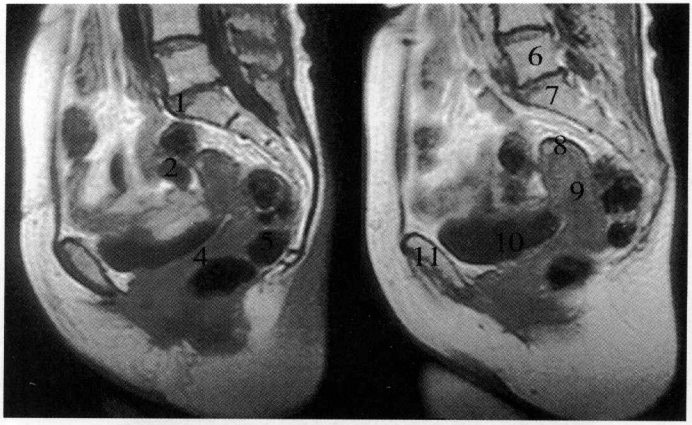
132 女性盆腔矢状切面 1

1 乙状结肠 sigmoid colon
2 直肠子宫陷凹
rectouterine pouch
3 阴道后穹
posterior fornix of vagina
4 子宫颈 neck of uterus
5 直肠 rectum
6 肛管 anal canal
7 输卵管 uterine tube
8 子宫底 fundus of uterus
9 子宫圆韧带
round ligament of uterus
10 子宫体 body of uterus
11 子宫阔韧带
broad ligament of uterus
12 子宫腔 cavity of uterus
13 膀胱 urinary bladder
14 阴道 vagina
15 尿道 female urethra
16 小阴唇 lesser lip of pudendum
17 大阴唇 greater lip of pudendum



133 女性盆腔矢状切面 2

1 直肠 rectum
2 直肠壶腹 ampulla of rectum
3 肛管 anal canal
4 直肠子宫陷凹 rectouterine pouch
5 子宫 uterus
6 阴道 vagina
7 膀胱子宫陷凹 vesicouterine pouch
8 卵巢 ovary
9 输卵管伞 fimbriae of uterine tube
10 尿道 female urethra
11 膀胱 urinary bladder



134 女性骨盆矢状位 MRI 像

1 骶岬 sacral promontory
2 肠 bowel
3 耻骨联合 pubic symphysis
4 阴道 vagina
5 直肠 rectum
6 第 5 腰椎 5th lumbar vertebra
7 骶骨 sacrum
8 子宫底 fundus of uterus
9 子宫体 body of uterus
10 膀胱 urinary bladder
11 耻骨体 body of pubis



135 女性盆腔脏器(侧面观)

1 直肠 rectum
2 子宫 uterus
3 膀胱 urinary bladder
4 阴道 vagina
5 耻骨联合 pubic symphysis



136 直肠及盆膈

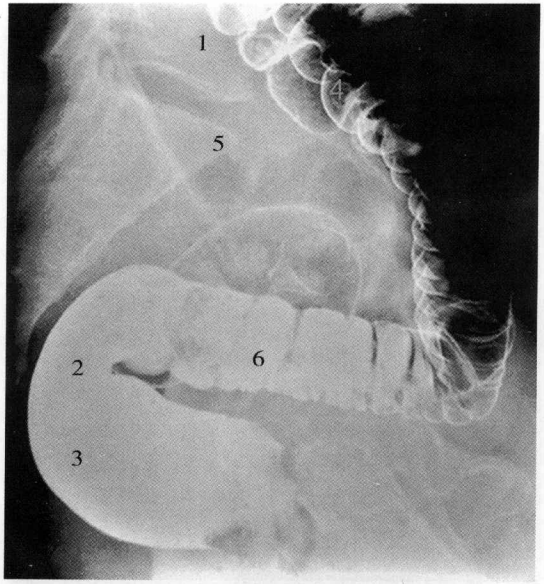
1 髂内血管 internal iliac vessels
2 骶正中血管 median sacral vessels
3 直肠上动脉 superior rectal artery
4 直肠 rectum
5 闭孔内肌 obturator internus
6 肛提肌 levator ani



137 直肠与肛管

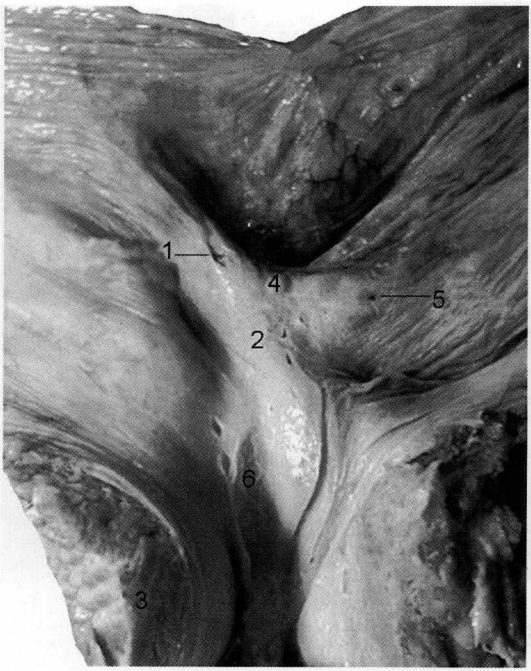
1 直肠 rectum
2 齿状线 dentate line
3 肛门外括约肌 external anal sphincter
4 直肠横襞 transverse folds of rectum
5 肛柱 anal columns
6 肛瓣 anal valves

肛管内面纵形的黏膜皱襞称肛柱；各肛柱下端借半月形黏膜皱襞相连，此襞称肛瓣；每一肛瓣与其相邻的两个肛柱下端之间的向上开口的隐窝称肛窦；连接各肛柱下端和各肛瓣边缘的锯齿状环形线称齿状线，在临床上有重要实际意义。



138 直肠气钡造影(侧位)

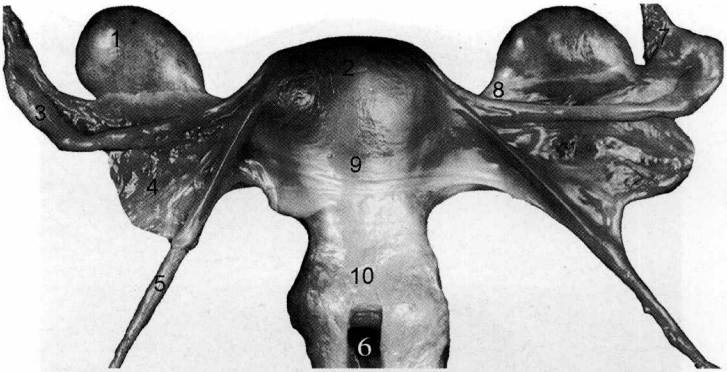
1 第5腰椎 5th lumbar vertebrae
2 直肠 rectum
3 直肠壶腹 ampulla of rectum
4 结肠袋 haustra of colon
5 骶岬 sacral promontory
6 乙状结肠 sigmoid colon



139 膀胱三角

1 右输尿管口
right ureteric orifice
2 膀胱三角 trigone of bladder
3 前列腺 prostate
4 输尿管间襞 interureteric fold
5 左输尿管口 left ureteric orifice
6 尿道内口
internal urethral orifice

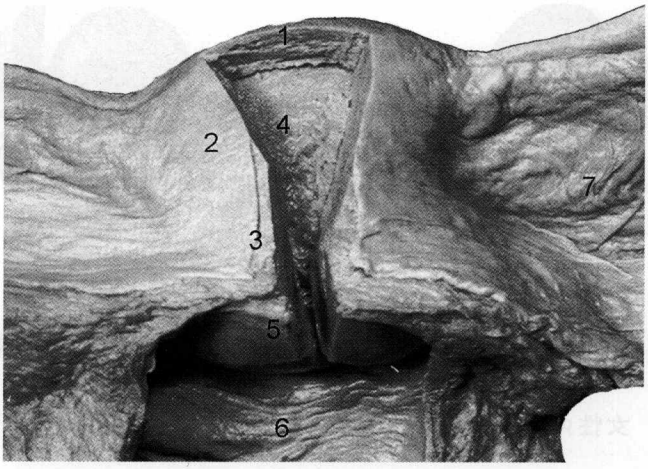
两个输尿管开口与尿道内口之间的三角区称膀胱三角，两个输尿管之间的皱襞称输尿管间襞，是寻找输尿管口的标志。膀胱三角是肿瘤、结核和炎症的多发部位。



140 女性内生殖器

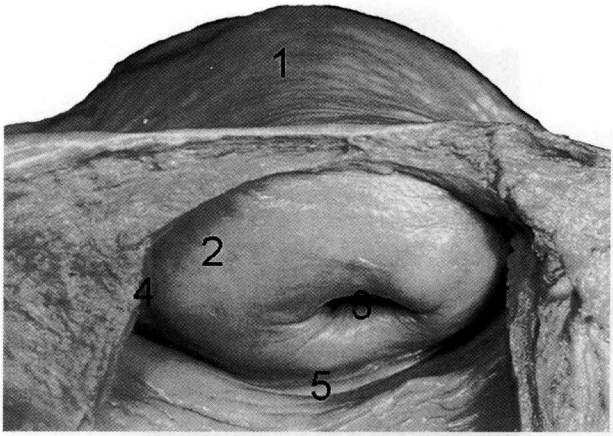
1 卵巢 ovary
2 子宫底 fundus of uterus
3 输卵管壶腹 ampulla of uterine tube
4 子宫阔韧带 broad ligament of uterus
5 子宫圆韧带 round ligament of uterus
6 阴道 vagina
7 输卵管伞 fimbriae of uterine tube
8 卵巢固有韧带 proper ligament of ovary
9 子宫体 body of uterus
10 子宫颈 neck of uterus

卵巢和输卵管称为子宫的附件。输卵管由内向外分为四个部分，子宫部、峡部、壶腹部和漏斗部。



141 子宫(前壁部分切除)

1 子宫底 fundus of uterus
2 子宫体 body of uterus
3 子宫颈 neck of uterus
4 子宫腔 cavity of uterus
5 子宫颈阴道部 vaginal part of cervix
6 阴道 vagina
7 子宫阔韧带 broad ligament of uterus



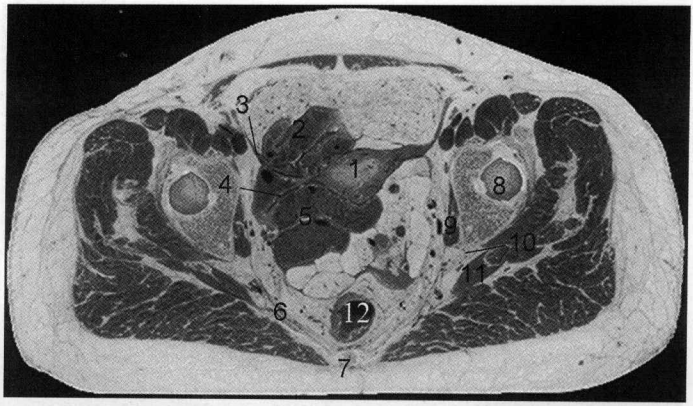
142 子宫颈

1 子宫 uterus
2 子宫颈 neck of uterus
3 子宫口 orifice of uterus
4 阴道侧穹 lateral fornix of vagina
5 阴道前穹 anterior fornix of vagina



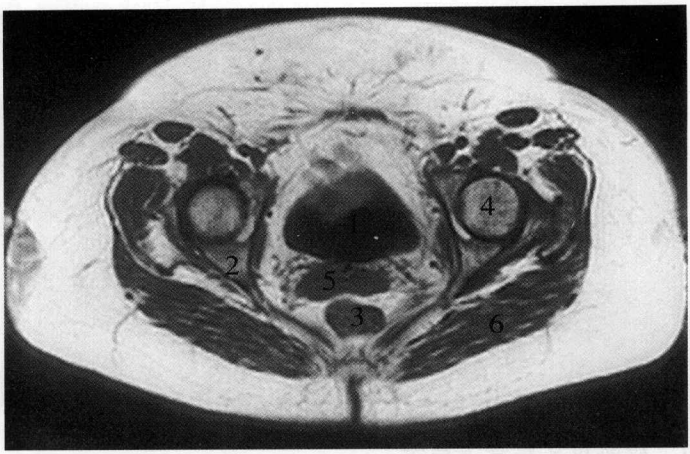
143 子宫和阴道矢状切面

1 子宫底 fundus of uterus
2 子宫腔 cavity of uterus
3 子宫体 body of uterus
4 子宫颈 neck of uterus
5 阴道前穹 anterior fornix of vagina
6 阴道后穹 posterior fornix of vagina
7 子宫口 orifice of uterus
8 膀胱子宫陷凹 vesicouterine pouch
9 阴道 vagina
10 膀胱 urinary bladder



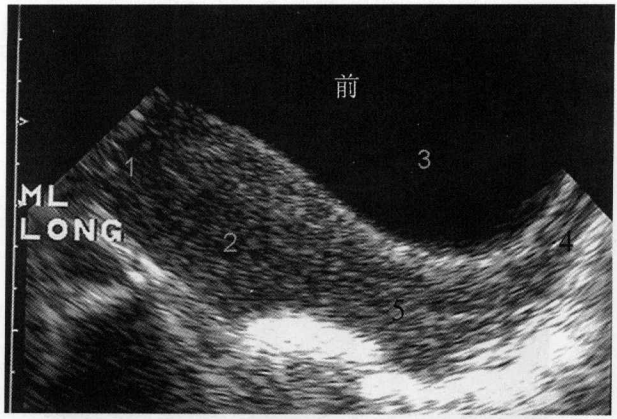
144 经股骨头最高点层面

1 子宫 uterus
2 回肠 ileum
3 子宫圆韧带 round ligament of uterus
4 输卵管 uterine tube
5 乙状结肠 sigmoid colon
6 骶结节韧带 sacrotuberous ligament
7 尾骨 coccyx
8 股骨头 femoral head
9 闭孔内肌 obturator internus
10 坐骨神经 sciatic nerve
11 梨状肌 piriformis
12 直肠 rectum



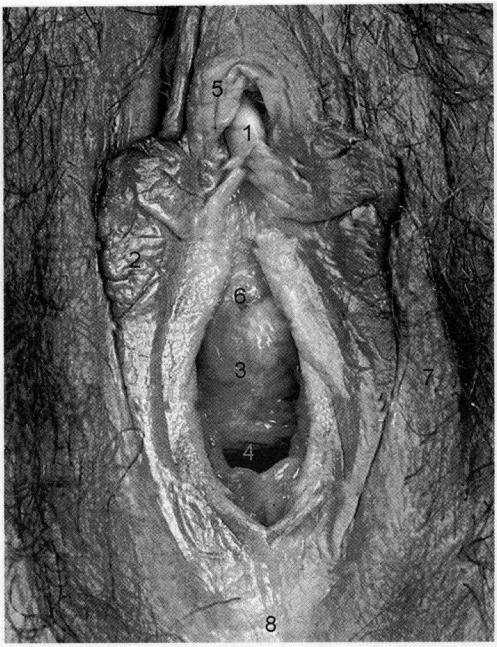
145 女性骨盆 MRI 像

1 膀胱 urinary bladder
2 髂骨 ilium
3 直肠 rectum
4 股骨头 femoral head
5 子宫 uterus
6 臀大肌 gluteus maximus



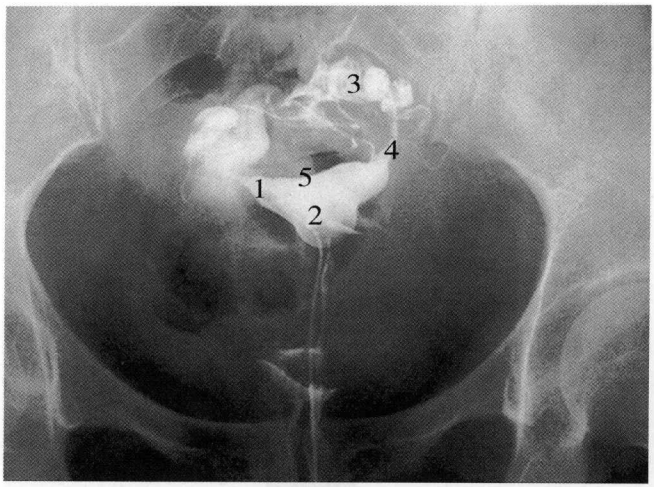
146 子宫超声像(正中矢状位)

1 子宫底 fundus of uterus
2 子宫体 body of uterus
3 膀胱 urinary bladder
4 阴道 vagina
5 子宫颈 neck of uterus



147 女性外阴

1 阴蒂头 glans of clitoris
2 小阴唇 lesser lip of pudendum
3 阴道前庭 vaginal vestibule
4 阴道口 vaginal orifice
5 阴蒂包皮 prepuce of clitoris
6 尿道外口 external orifice of urethra
7 大阴唇 greater lip of pudendum
8 唇后联合 posterior labial commissure



148 女性生殖管道造影

1 子宫角 horn of uterus
2 子宫体 body of uterus
3 输卵管伞 fimbriae of uterine tube
4 输卵管 uterine tube
5 子宫底 fundus of uterus



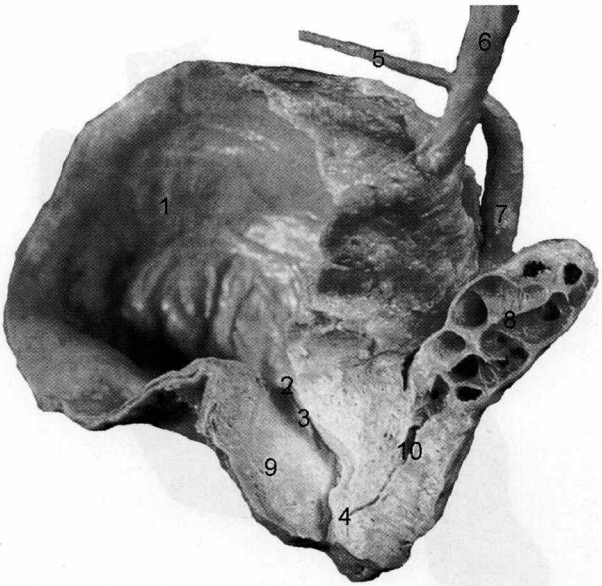
149 精囊和前列腺

1 输尿管 ureter
2 输精管 ductus deferens
3 精囊 seminal vesicle
4 尿道膜部 membranous urethra
5 膀胱 urinary bladder
6 输精管壶腹 ampulla of deferent duct
7 前列腺 prostate
8 尿道括约肌 sphincter of urethra



150 男性内生殖器

1 输尿管 ureter
2 输精管 ductus deferens
3 精囊 seminal vesicle
4 尿道膜部 membranous urethra
5 膀胱 urinary bladder
6 输精管壶腹
ampulla of deferent duct
7 前列腺 prostate
8 尿道球 bulb of penis
9 精索 spermatic cord
10 睾丸 testis
11 尿道球腺 bulbourethral gland



151 膀胱、精囊和前列腺矢状切面

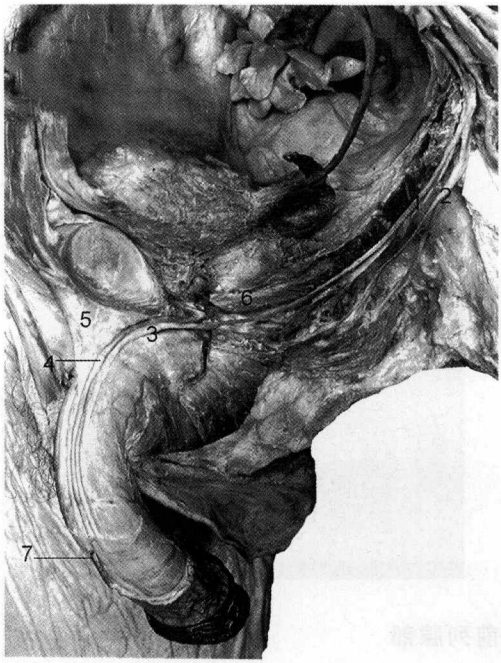
1 膀胱 urinary bladder
2 尿道内口 internal urethra orifice
3 尿道嵴 urethral crest
4 精阜 seminal colliculus
5 输精管 ductus deferens
6 输尿管 ureter
7 输精管壶腹 ampulla of deferent duct
8 精囊 seminal vesicle
9 前列腺 prostate
10 射精管 ejaculatory duct

尿道前列腺部后壁上有一纵行隆起，称尿道嵴，其中部隆起部分称精阜，中央有小凹陷称前列腺小囊，小囊两侧各有一细小的射精管口。精囊的排泄管与输精管壶腹的末端合成射精管。



152 尿道前列腺部

1 尿道内口 internal urethra orifice
2 精阜 seminal colliculus
3 尿道嵴 urethral crest
4 膀胱 urinary bladder
5 前列腺 prostate
6 前列腺小囊 prostatic utricle
7 射精管口 openings of ejaculatory duct



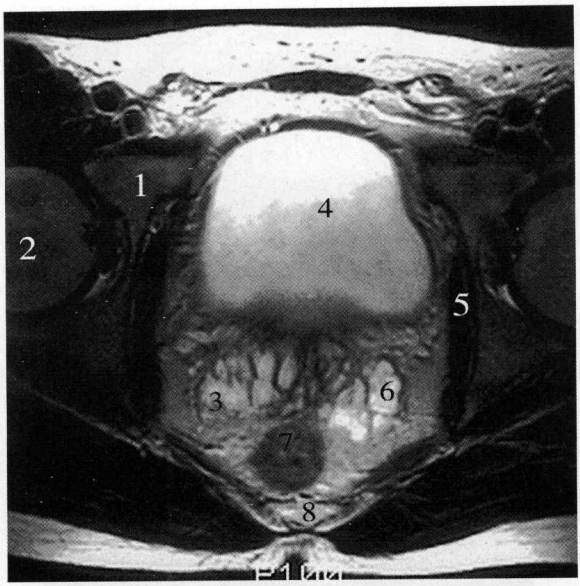
153 阴茎的神经和血管

1 阴部神经 pudendal nerve
2 阴部内动脉 internal pudendal artery
3 阴茎背神经 dorsal nerve of penis
4 阴茎背静脉 dorsal vein of penis
5 阴茎悬韧带 suspensory ligament of penis
6 肛提肌 levator ani
7 阴茎浅静脉 superficial vein of penis



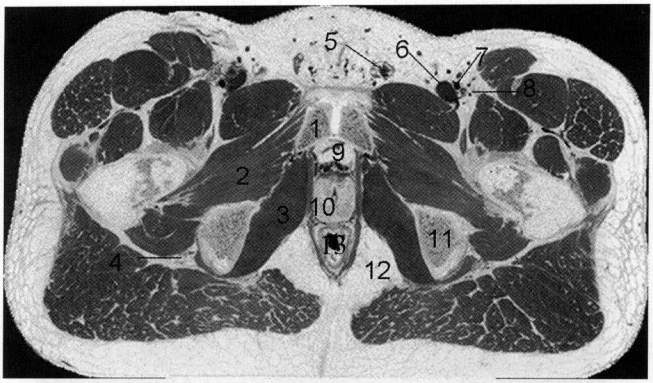
154 精囊和前列腺(上面观)

1 输精管 ductus deferens
2 尿道内口 internal urethra orifice
3 膀胱颈 neck of bladder
4 精囊 seminal vesicle
5 前列腺 prostate
6 肛提肌 levator ani
7 尿道 urethra



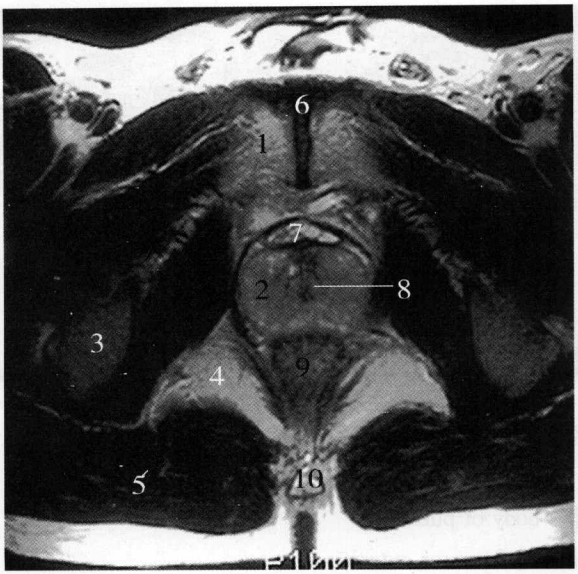
155　精囊横断层 MRI 像

1 髂骨　ilium
2 股骨头　femoral head
3 右精囊　right seminal vesicle
4 膀胱　urinary bladder
5 闭孔内肌　obturator internus
6 左精囊　left seminal vesicle
7 直肠　rectum
8 尾骨　coccyx



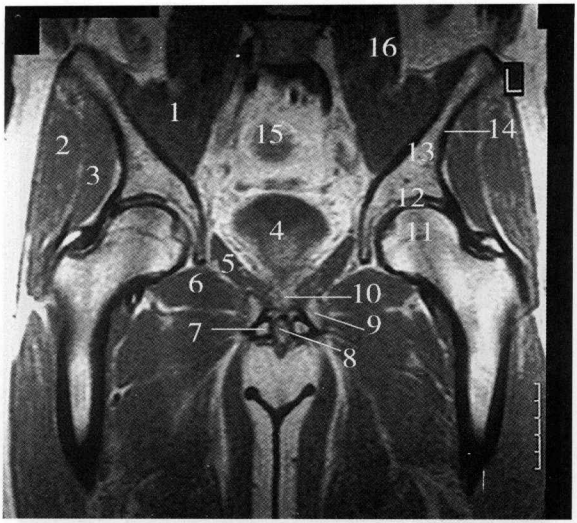
156 经耻骨体层面

1 耻骨体 body of pubis
2 闭孔外肌 obturator externus
3 闭孔内肌 obturator internus
4 坐骨神经 sciatic nerve
5 精索 spermatic cord
6 股静脉 femoral vein
7 股动脉 femoral artery
8 股神经 femoral nerve
9 耻骨后脂肪 retropubic fat pad
10 前列腺 prostate
11 坐骨 ischium
12 坐骨肛门窝 ischioanal fossa
13 直肠 rectum



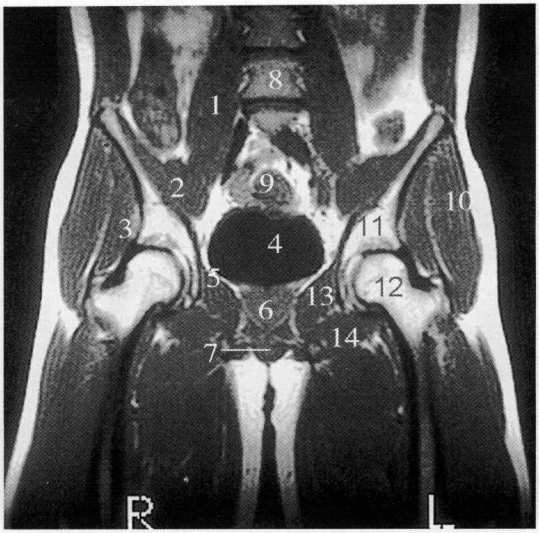
157 前列腺横断层 MRI 像

1 耻骨体 body of pubis
2 前列腺 prostate
3 坐骨结节 ischial tuberosity
4 坐骨肛门窝 ischioanal fossa
5 臀大肌 gluteus maximus
6 耻骨联合 pubis symphysis
7 前列腺周围脂肪 periprostatic fat
8 尿道前列腺部 prostatic urethra
9 直肠 rectum
10 尾骨 coccyx



158 男性骨盆冠状位 MRI 像

1 髂肌 iliacus
2 臀中肌 gluteus medius
3 臀小肌 gluteus minimus
4 膀胱 urinary bladder
5 闭孔内肌 obturator internus
6 闭孔外肌 obturator externus
7 阴茎右脚 right crus of penis
8 尿道球 bulb of penis
9 耻骨 pubis
10 前列腺 prostate
11 股骨头 femoral head
12 髋臼 acetabulum
13 髂骨 ilium
14 骨皮质 cortical bone
15 乙状结肠 sigmoid colon
16 腰大肌 psoas major



159 男性骨盆冠状位 MRI 像

1 腰大肌 psoas major
2 髂肌 iliacus
3 臀小肌 gluteus minimus
4 膀胱 urinary bladder
5 尿道内口 internal urethral orifice
6 前列腺 prostate
7 尿道球 bulb of penis
8 腰椎 lumbar vertebrae
9 乙状结肠 sigmoid colon
10 臀中肌 gluteus medius
11 髋骨 hip bone
12 股骨 femur
13 闭孔内肌 obturator internus
14 闭孔外肌 obturator externus



160 精索的筋膜

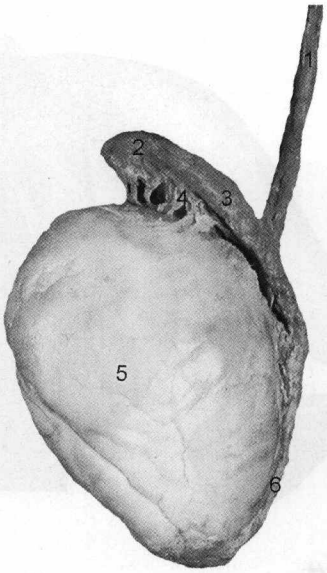
1 输精管 deferent duct
2 睾丸动脉 testicular artery
3 睾丸静脉 testicular vein
4 精索内筋膜
internal spermatic fascia
5 提睾肌 cremaster
6 精索外筋膜
external spermatic fascia

精索从腹股沟管腹环穿经腹股沟管，出皮下环后延至睾丸上端，精索内主要有输精管、睾丸血管、输精管血管、神经、淋巴管和腹膜鞘突的残余等。精索表面有三层被膜，从内向外依次是精索内筋膜、提睾肌和精索外筋膜。



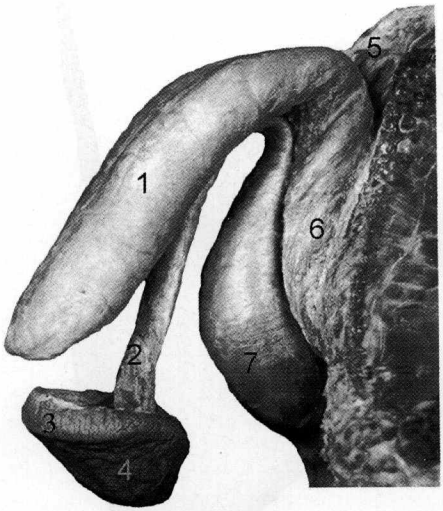
161 睾丸、附睾和精索

1 精索及精索外筋膜
spermatic cord covered with external spermatic fascia
2 睾丸鞘膜壁层 parietal layer of tunica vaginalis
3 睾丸及睾丸鞘膜(脏层) testis with tunica vaginalis (visceral layer)
4 附睾头 head of epididymis
5 附睾体 body of epididymis



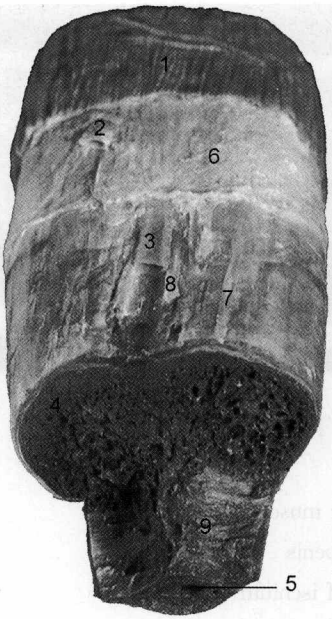
162 睾丸和附睾

1 输精管 deferent duct
2 附睾头 head of epididymis
3 附睾体 body of epididymis
4 输出小管 efferent ductules
5 睾丸 testis
6 附睾尾 tail of epididymis



163 阴茎的海绵体

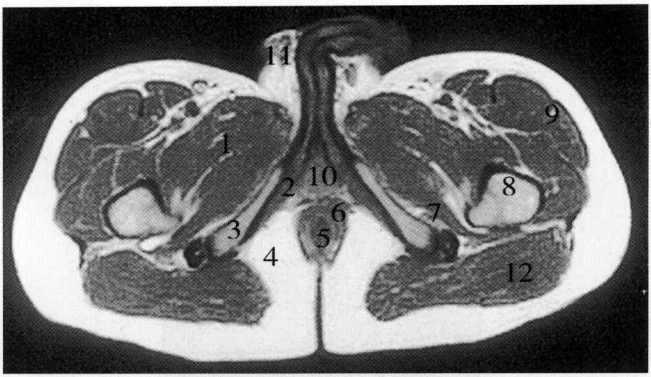
1 阴茎海绵体 cavernous body of penis
2 尿道海绵体 spongy body of penis
3 阴茎头冠 corona of glans of penis
4 阴茎头 glans of penis
5 阴茎悬韧带 suspensory ligament of penis
6 阴茎脚 crus of penis
7 尿道球 bulb of penis



164 阴茎的构造

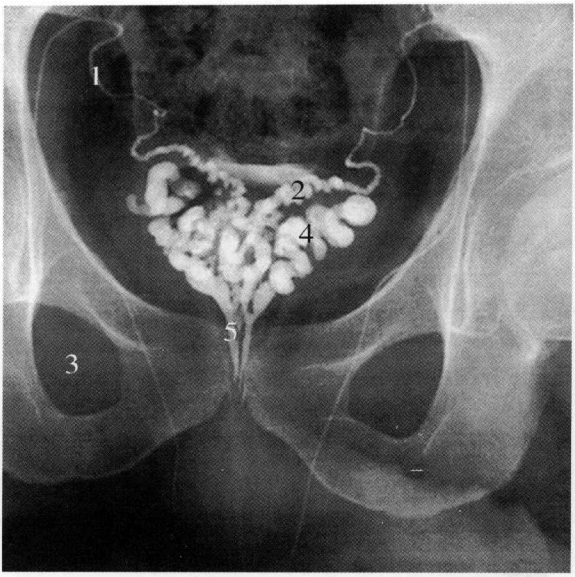
1 皮肤 skin
2 阴茎背浅静脉
superficial dorsal vein of penis
3 阴茎背深静脉
deep dorsal vein of penis
4 阴茎海绵体
cavernous body of penis
5 尿道 urethra
6 深筋膜 deep fascia
7 阴茎背神经
dorsal nerve of penis
8 阴茎背动脉
dorsal artery of penis
9 尿道海绵体
cavernous body of urethra

阴茎主要由两条阴茎海绵体和一条尿道海绵体组成，外包筋膜和皮肤。



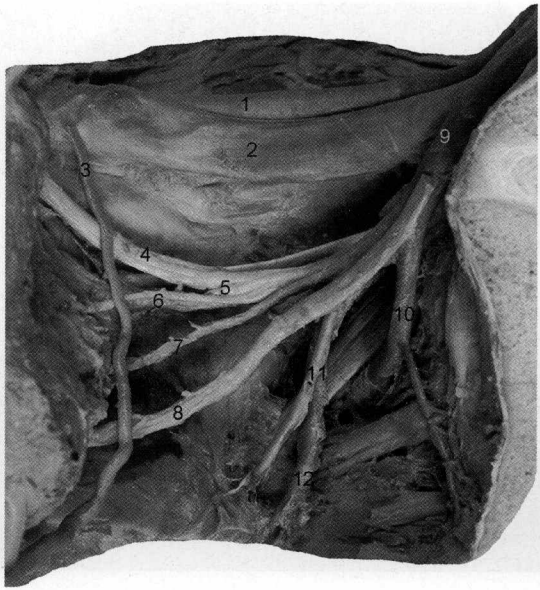
165 阴茎横断层 MRI 像

1 收肌组 adductor muscle group
2 阴茎脚 crus of penis
3 坐骨支 ramus of ischium
4 坐骨肛门窝 ischioanal fossa
5 肛管 anal canal
6 肛门外括约肌 external anal sphincter
7 闭孔外肌 obturator externus
8 股骨 femur
9 股四头肌 quadriceps femoris
10 尿道球 bulb of penis
11 精索 spermatic cord
12 臀大肌 gluteus maximus



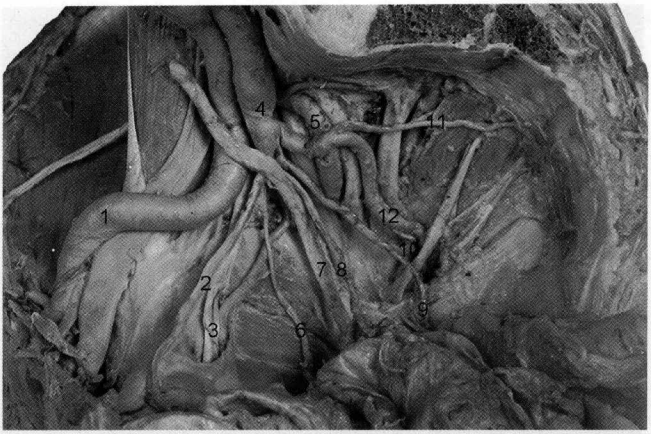
166 男性生殖管道造影

1 输精管 deferent duct
2 输精管壶腹 ampulla of deferent duct
3 闭孔 obturator foramen
4 精囊 seminal vesicle
5 射精管 ejaculatory duct



167 男性盆腔血管

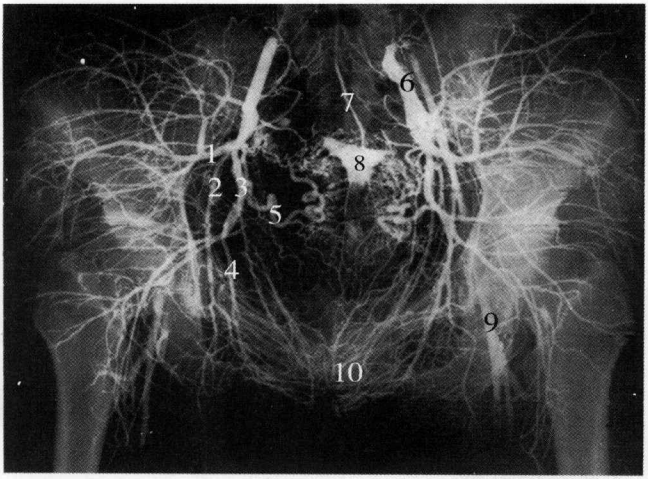
1 髂外动脉 external iliac artery
2 髂外静脉 external iliac vein
3 输精管 deferent duct
4 脐动脉 umbilical artery
5 闭孔动脉 obturator artery
6 膀胱上动脉
superior vesical arteries
7 膀胱下动脉
inferior vesical artery
8 输尿管 ureter
9 髂内动脉 internal iliac artery
10 臀上动脉
superior gluteal artery
11 阴部内动脉
internal pudental artery
12 臀下动脉
inferior gluteal artery



168 女性盆腔血管

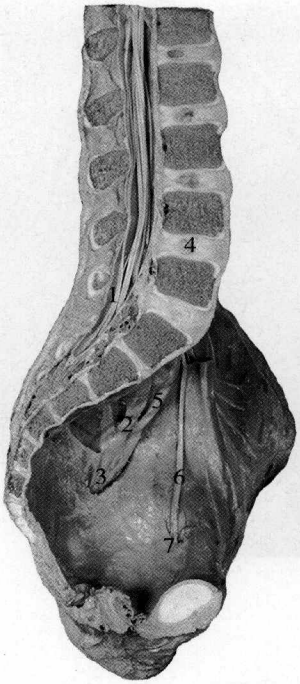
1 髂外动脉 external iliac artery
2 膀胱上动脉
superior vesical arteries
3 闭孔动脉和神经
obturator artery& nerve
4 髂内动脉 internal iliac artery
5 臀上动脉
superior gluteal artery
6 膀胱下动脉
inferior vesical artery
7 输尿管 ureter
8 子宫动脉 uterine artery
9 直肠下动脉
inferior rectal artery
10 阴部内动脉
internal pudental artery
11 骶外侧动脉
lateral sacral artery
12 臀下动脉
inferior gluteal artery

盆内重要供血动脉是髂内动脉，重要静脉是髂内静脉。



169 盆会阴血管造影

1 臀上动脉 superior gluteal artery
2 闭孔动脉 obturator artery
3 臀下动脉 inferior gluteal artery
4 阴部内动脉 internal pudental artery
5 子宫动脉 uterine artery
6 髂内动脉 internal iliac artery
7 骶正中动脉 middle sacral artery
8 子宫腔 cavity of uterus
9 股动脉 femoral artery
10 大阴唇血管 vessels of labium majus



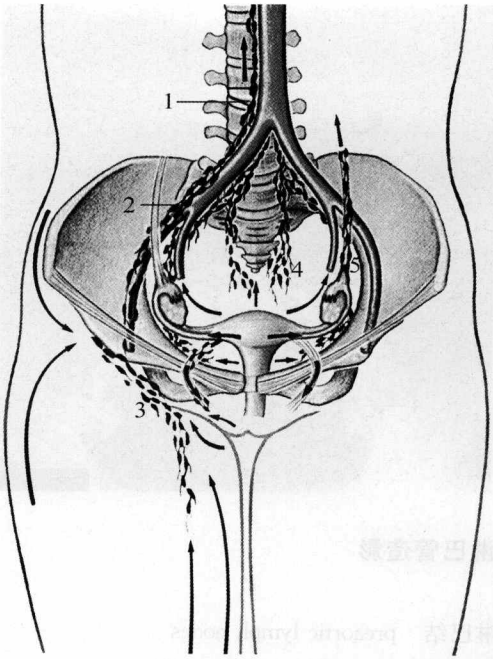
170 骶丛

1 马尾 cauda equina
2 骶丛 sacral plexus
3 坐骨神经 sciatic nerve
4 椎间盘 intervertebral discs
5 腰骶干 lumbosacral trunk
6 闭孔神经 obturator nerve
7 闭孔内肌 obturator internus



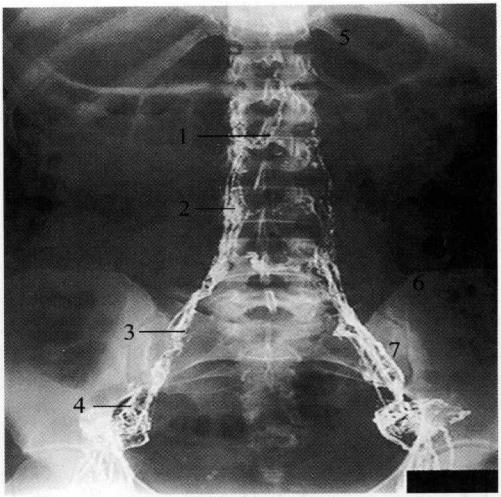
171 骶丛的根

1 闭孔神经 obturator nerve
2 坐骨神经 sciatic nerve
3 肛提肌 levator ani
4 股神经 femoral nerve



172　盆腔淋巴回流示意图

1 腰淋巴结　lumbar lymph nodes
2 髂外淋巴结　external iliac lymph nodes
3 腹股沟淋巴结　inguinal lymph nodes
4 骶淋巴结　sacral lymph nodes
5 髂内淋巴结　internal iliac lymph nodes



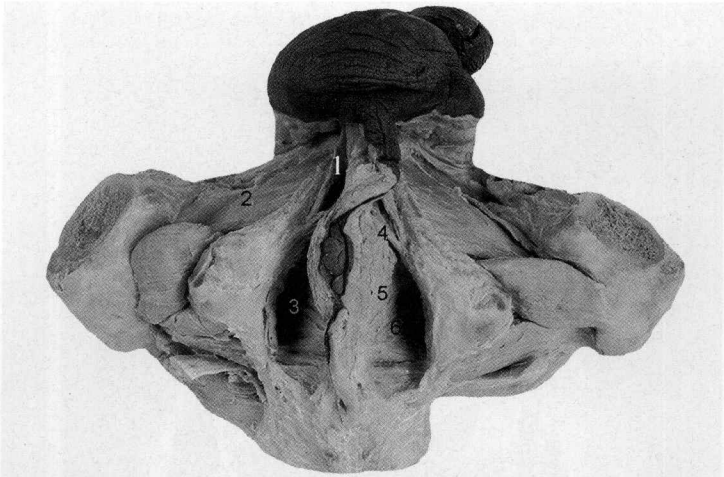
173 腹部淋巴管造影

1 主动脉前淋巴结 preaortic lymph nodes
2 主动脉旁淋巴结 para-aortic lymph nodes
3 髂总淋巴结 common iliac lymph nodes
4 髂外淋巴结 external iliac lymph nodes
5 肋 rib
6 髂骨 ilium
7 骶骨 sacrum



174　盆腔淋巴管道造影

1 腰淋巴结　lumbar lymph nodes
2 髂外淋巴结　external iliac lymph nodes
3 腹股沟淋巴结　inguinal lymph nodes
4 髂内淋巴结　internal iliac lymph nodes
5 主动脉前淋巴结　preaortic lymph nodes
6 腹股沟淋巴管　inguinal lymphatic vessels



175 会阴肌

1 坐骨海绵体肌 ischiocavernosus
2 闭孔外肌 obturator externus
3 坐骨肛门窝 ischioanal fossa
4 会阴浅横肌 superficial transverse muscle of perineum
5 肛门外括约肌 external anal sphincter
6 肛提肌 levator ani

坐骨肛门窝位于坐骨结节与肛门之间，为底向下的锥形间隙，窝内有大量脂肪组织和会阴部的血管、神经、淋巴管等。坐骨肛门窝是脓肿的好发部位。



176 会阴肌及其神经

1 肛门 anus
2 阴囊 scrotum
3 尿道球 bulb of penis
4 肛门动脉和神经 anal artery & nerve
5 肛门外括约肌 external anal sphincter
6 肛提肌 levator ani
7 臀大肌 gluteus maximus