

## <<格氏解剖学教学版>>

### 图书基本信息

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### 前言

The first edition of Gray's Anatomy for Students accomplished many of the goals we had established for this text-book , including our primary goal of helping students learnanatomy.However,we realized from the many suggestions , comments , and kind advice we received from col-leagues and students around the world that there were modifications and changes that would improve this text.book.So keeping in mind the goals and objectives of thefirst edition , we began work on the second edition by evaluating all of the input from our readers , assessing changesoccurring in the educational environment.and doing ourbest to predict the future direction of anatomy education.The result is the second edition of Gray's Anatomy forStudents.which builds on the past and looks toward thefuture.

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### 内容概要

作为特别为全球医学生打造的权威教科书，《格氏解剖学教学版》最鲜明的特色是注重解剖学知识的临床应用，将表面解剖学、诊断影像学、临床病例的学习融入解剖学基础知识的讲述中，充分体现了立足临床的编写理念。

全书包含1000余幅原创高清示意图，并且同一结构在不同图片中使用相同颜色，使人体解剖结构的定位更加简明、清晰。

与前一版相比，第2版更新并调整了“概论”、“腹部”等章节内容。既涵盖本领域最新进展。也使知识架构更加科学。

超过100名全球知名学者组成了本书的国际顾问委员会，有效地保证了全书内容的准确性、先进性、易读性。

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### 作者简介

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### 书籍目录

#### 1 The body What is anatomy ?

How can gross anatomy be studied ?

Important anatomica , terms Imaging Diagnostic imaging techniques Nuclear medicine imaging Image interpretation Plain radiography Computed tomography Magnetic resonance imaging Nuclear medicine imaging Safety in imaging Body systems Skeletal system Cartilage Bone Joints Skin and fascias Skin Fascia MUSCULAR system Cardiovascular system Lymphatic system Lymphatic vessels Lymph nodes Lymphatic trunks and ducts Nervous system Central nervous system Functional subdivisions of the CNS Somatic part of the nervous system Viscer of part of the nervous system Other systems LnICal CaSeS2 Back Conceptual overview General description Functions Support Movement Protection of the nervous system Component parts Bones Muscles Vertebral canal Spinal nerves Relationship to other regions Head Thorax , abdomen , and pelvis Limbs Key features Long vertebral column and short spinal cord Intervertebral foramina and spinal nerves Innervation of the back Regional anatomy Skeleton , framework Vertebrae Intervertebral foramina Posterior spaces between vertebral arches Joints Joints between vertebrae in the back Ligaments Anterior and posterior longitudinal ligaments Ligamenta flava Supraspinous ligament and ligamentum nuchae Interspinous ligaments Back musculature Superficial group of back muscles Intermediate group of back muscles Deep group of back muscles Suboccipital muscles Spinal cord Vasculature Meninges Arrangement of structures in the vertebral Canal Spinal nerves Surface anatomy Back surface anatomy Absence of lateral curvatures Primary and secondary curvatures in the sagittal plane Useful nonvertebral skeletal landmarks How to identify specific vertebral spinous processes Visualizing the inferior ends of the spinal cord and subarachnoid space Identifying major muscles Clinical cases 3 Thorax Conceptual overview General description Functions Breathing Protection of vital organs Conduit Component parts Thoracic wall Superior thoracic aperture Inferior thoracic aperture Diaphragm Mediastinum Pleural cavities Relationship to other regions Neck Upper limb Abdomen Breast Key features Vertebral level TIV/V Venous shunts from left to right Segmental neurovascular supply of thoracic wall Sympathetic system Flexible wall and inferior thoracic aperture Innervation of the diaphragm Regional anatomy Pectoral region Breast Muscles of the pectoral region Thoracic wall Skeletal framework Intercostal spaces Diaphragm Venous drainage Innervation Movements of the thoracic wall and diaphragm during breathing Pleural cavities Pleura Lungs Mediastinum Middle mediastinum Superior mediastinum Posterior mediastinum Anterior mediastinum Surface anatomy Thorax surface anatomy How to count ribs Surface anatomy of the breast in women Visualizing structures at the TIV/V vertebral level Visualizing structures in the superior mediastinum Visualizing the margins of the heart Where to listen for heart sounds Visualizing the pleural cavities and lungs , pleural recesses , and lung lobes and fissures Where to listen for lung sounds Clinical cases 4 Abdomen Conceptual overview General description Functions Houses and protects major viscera Breathing Changes in intra-abdominal pressure Component parts Wall Abdominal cavity Inferior thoracic aperture Diaphragm Pelvic inlet Relationship to other regions Thorax Pelvis Lower limb Key features Arrangement of abdominal viscera in the Adult Viscera Defining surface regions to which pain from the gut is referred Where to find the kidneys Where to find the spleen Clinical cases 5 Pelvis and perineum Conceptual overview General description Functions Contain and support bladder rectum , anal canal , and reproductive tracts Anchors the roots of the external genitalia 408 Component parts Pelvic inlet Pelvic walls Pelvic outlet Pelvic floor Pelvic cavity Perineum Relationship to other regions Abdomen Lower limb Key features The pelvic cavity projects posteriorly Important structures cross the ureters in the pelvic cavity The prostate is anterior to rectum The perineum is innervated by sacral spinal cord segments Nerves are related to bone Parasympathetic innervation from spinal cord levels S2 to S4 controls erection Muscles and fascia of the pelvic floor and perineum intersect at the perineal body Gender determines the course of the urethra Regional anatomy Pelvis Bones Joints Orientation Gender differences True pelvis Viscera Fascia Peritoneum Nerves Blood vessels Lymphatics Perineum Borders and ceiling Ischio-anal fossae and their anterior recesses Anal triangle Urogenital triangle Somatic nerves Visceral

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nervesBlood vesselsVeinsLymphaticsSurface anatomySurface anatomy of the pelvis and perineumOrientation of the pelvis and perineum in the anatomical positionHow to define the margins of the perineumIdentification of structures in the anal triangleIdentification of structures in the urogenital triangle of womenIdentification of structures in the urogenital triangle of menClinical Cases6 Lower limbConceptual overviewGeneral introductionFunctionSupport the body weightLocomotionComponent partsBones and jointsMusclesRelationship to other regionsAbdomenPelvisPerineumKeypointsInnervation is by lumbar and sacral spinal nervesNerves related to boneSuperficial veinsRegional anatomyBony pelvisProximal femurHip jointGateways to the lower limbNervesArteriesVeinsLymphaticsDeep fascia and the saphenous openingFemoral triangleGluteal regionMusclesNervesArteriesVeinsLymphaticsThighBonesMusclesArteriesVeinsNervesKnee jointTibiofibular jointPopliteal fossaLegBonesJointsPosterior compartment of legLateral compartment of legAnterior compartment of legFootBonesJointsTarsal tunnel , retinacula , and arrangement of major structures at the ankleArches of the footPlantar aponeurosisFibrous sheaths of toesExtensor hoodsIntrinsic musclesArteriesVeinsNervesSurface anatomyLower limb surface anatomyAvoiding the sciatic nerveFinding the femoral artery in the femoral triangleIdentifying structures around the kneeVisualizing the contents of the popliteal fossaFinding the tarsal tunnel—the gateway to the footIdentifying tendons around the ankle and in the foot.....7 Upper limb8 Head and neck

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