

<<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 learn anatomy. However, we realized from the many suggestions , comments , and kind advice we received from colleagues 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 the first edition , we began work on the second edition by evaluating all of the input from our readers , assessing changes occurring in the educational environment and doing our best to predict the future direction of anatomy education. The result is the second edition of Gray's Anatomy for Students, which builds on the past and looks toward the future.

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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 anatomical 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 In Cal Ca Se S2 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 Skeletal , 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 5 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

nerves Blood vessels Veins Lymphatics Surface anatomy Surface anatomy of the pelvis and perineum Orientation of the pelvis and perineum in the anatomical position How to define the margins of the perineum Identification of structures in the anal triangle Identification of structures in the urogenital triangle of women Identification of structures in the urogenital triangle of men Clinical Cases 6 Lower limb Conceptual overview General introduction Function Support the body weight Locomotion Component parts Bones and joints Muscles Relationship to other regions Abdomen Pelvis Perineum Keypoints Innervation is by lumbar and sacral spinal Nerves Nerves related to bone Superficial veins Regional anatomy Bony pelvis Proximal femur Hip joint Gateways to the lower limb Nerves Arteries Veins Lymphatics Deep fascia and the saphenous opening Femoral triangle Gluteal region Muscles Nerves Arteries Veins Lymphatics Thigh Bones Muscles Arteries Veins Nerves Knee joint Tibiofibular joint Popliteal fossa Leg Bones Joints Posterior compartment of leg Lateral compartment of leg Anterior compartment of leg 0at Bones Joints Tarsal tunnel , retinacula , and arrangement of major structures at the ankle Arches of the foot Plantar aponeurosis Fibrous sheaths of toes Extensor hoods Intrinsic muscles Arteries Veins Nerves Surface anatomy Lower limb surface anatomy Avoiding the sciatic nerve Finding the femoral artery in the femoral triangle Identifying structures around the knee Visualizing the contents of the popliteal fossa Finding the tarsal tunnel—the gateway to the foot Identifying tendons around the ankle and in the foot..... 7 Upper limb 8 Head and neck

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章节摘录

插图：

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