

## Neuroanatomy Through Clinical Cases

With over 400 illustrations, this thoroughly updated edition examines how parts of the nervous system work together to regulate body systems and produce behavior.

Reflecting the trusted expertise of Dr. John B. West and Dr. Andrew M. Luks, West’s Pulmonary Pathophysiology: The Essentials, Tenth Edition offers accessible explanations of disease processes that affect the respiratory system. This best-selling companion to West’s Respiratory Physiology: The Essentials, 11th Edition, has served generations of students and practitioners who work with respiratory patients, presenting vital knowledge in a concise, straightforward manner that’s easy to understand. Building on this legacy of success, the tenth edition is updated throughout with the latest clinical perspectives, new images, clinical vignettes, and enhanced USMLE-style review questions to help students excel in today’s changing healthcare practice.

Neurology is a rapidly changing topic within the clinical curriculum and students and junior doctors are expected to recognise, understand and know how to investigate and manage many neurological-related disorders and conditions. Neurology: Clinical Cases Uncovered leads students through the clinical approach to managing neurological problems via real-life patient cases and outcomes. Following a question-answer approach to developing the narrative, and including self-assessment MCQs, EMQs and SAQs, the book includes 27 fully-illustrated cases covering a wide range of neurological presentations and conditions. Ideal for medical students with clinical attachments in neurology, and in the run up to examinations, the book will also be useful to doctors in training in general internal medicine, medicine of the elderly, psychiatry and neurology.

This new review textbook, written by residents and an experienced faculty member from Cleveland Clinic, is designed to ensure success on all sorts of standardized neurology examinations. Presented in a comprehensive question-and-answer format, with detailed rationales, Comprehensive Review in Clinical Neurology is a must-have for both aspiring and practicing neurologists and psychiatrists preparation to take the RITE, the American Board of Psychiatry and Neurology written exams, and various recertification exams.

Merritt's Neurology

A Primer

Functional and Clinical Neuroanatomy

Top 100 Diagnoses in Neurology

A Guide for Health Care Professionals

An engagingly written text that bridges the gap between neuroanatomy and clinical neurology “ A wonderfully readable, concise, but by no means superficial book that fits well in the current pedagogic environment. ” From the Foreword by Allan H. Ropper, MD Clinical Neurology and Neuroanatomy delivers a clear, logical discussion of the complex relationship between neuroanatomical structure and function and neurologic disease. Written in a clear, concise style, this unique text offers a concise overview of fundamental neuroanatomy and the clinical localization principles necessary to diagnose and treat patients with neurologic diseases and disorders. Unlike other neurology textbooks that either focus on neuroanatomy or clinical neurology, Clinical Neurology and Neuroanatomy integrates the two in manner which simulates the way neurologists learn, teach, and think. Clinical Neurology and Neuroanatomy is divided into two main sections. In Part 1, clinically relevant neuroanatomy is presented in clinical context in order to provide a framework for the localization and differential diagnosis. The diseases mentioned in localization-based discussions of differential diagnosis in Part 1 are then discussed in clinical detail with respect to their diagnosis and management in Part 2. Part 1 can therefore be consulted for a neuroanatomical localization-based approach to symptom evaluation, and Part 2 for the clinical features, diagnosis, and management of neurologic diseases. FEATURES • A clear, concise approach to explaining the complex relationship between neuroanatomical structure and function and neurologic disease • Numerous full-color illustrations and high resolution MRI and CT scans • Explanatory tables outline the clinical features, characteristics, and differential diagnosis of neurologic diseases and disorders

The aim of this work is to offer the maximum of useful information to provide structural and functional insights into the human nervous system. The book recognizes the importance of understanding the relationship of the blood supply to the central nervous system (CNS) and the significance of integrating anatomy with clinical information and examples. The goal is to make it obvious that structure and function in the CNS are integrated elements, not separate entities.

Completely updated and in brilliant full color, Merritt's Neurology, 13th Edition, remains your reference of choice for outstanding guidance on neurologic protocols, treatment guidelines, clinical pathways, therapeutic recommendations, and imaging. Greatly reorganized for ease of use, the 13th Edition features more than 30 new chapters that keep you up to date with every aspect of your field. Now for the first time, you 'll find dozens of video clips online that demonstrate the clinical signs and symptoms of neurologic disorders. Features: Visualize neurologic topics more easily than ever with an all-new, full-color format throughout. Benefit from the fresh perspective of new editors Dr. Elan Louis and Dr. Stephan Mayer, in addition to 180 expert contributors who offer guidance in their areas of expertise. Stay current with today’s hottest topics, thanks to new chapters on the global burden of neurological disease; magnetic resonance imaging and other imaging modalities; sleep studies; mild cognitive impairment; concussion; restless legs syndrome; seizures in children; HIV, fetal alcohol syndrome, and drug effects; and many more. Find the information you need more quickly thanks to a reorganized format. In 153 succinct chapters, you 'll find the essentials you need on signs and symptoms, diagnostic tests, and neurologic disorders of all etiologies. Watch approximately 40 video clips online to gain a clear understanding of the clinical signs and symptoms of neurologic disorders. Get the up-to-date information you need from the practical, readable resource that’s trusted and used by neurologists, primary care physicians, and residents.

Master the diagnosis and effective treatment of veterinary neurologic disorders! de Lahunta’s Veterinary Neuroanatomy and Clinical Neurology, 5th Edition provides in-depth coverage of the anatomy, physiology, and pathology of the nervous system. With this knowledge, you will be able to accurately diagnose the location of neurologic lesions in small animals, horses, and food animals. Practical guidelines explain how to perform neurologic examinations, interpret examination results, and formulate treatment plans. Descriptions of neurologic disorders are accompanied by clinical case studies, photos and drawings, and radiographs. Written by neurology experts Alexander de Lahunta, Eric Glass, and Marc Kent, this resource includes hundreds of online videos depicting the patients and disorders described in the text. Logical case description format presents diseases in a manner that is similar to diagnosing and treating neurologic disorders in the clinical setting: 1) Description of the neurologic disorder; 2)

Neuroanatomic diagnosis and how it was determined, the differential diagnosis, and any ancillary data, and 3) Course of the disease, the final clinical or necropsy diagnosis, and a brief discussion of the syndrome. More than 380 videos on a companion website hosted by the Cornell University College of Veterinary Medicine bring concepts to life and clearly demonstrate the neurologic disorders and examination techniques described in case examples throughout the text. More than 250 high-quality radiographs and over 800 vibrant color photographs and line drawings depict anatomy, physiology, and pathology, including gross and microscopic lesions, and enhance your ability to diagnose challenging neurologic cases. High-quality, state-of-the-art MRI images correlate with stained transverse sections of the brain, showing minute detail that the naked eye alone cannot see. A detailed Video Table of Contents in the front of the book makes it easier to access the videos that correlate to case examples. NEW case descriptions offer additional practice in working your way through real-life scenarios to reach an accurate diagnosis and an effective treatment plan for neurologic disorders. NEW! Content updates reflect the latest evidence-based research. NEW! Clinical photos and illustrations are updated to reflect current practice.

A Textbook of Neuroanatomy

Decision-Making in Adult Neurology , E-Book

Neuronal Networks in Brain Function, CNS Disorders, and Therapeutics

A Case-Based Approach

Comprehensive Review in Clinical Neurology

Building on this precept from the great 20th-century neurologist C. Miller Fisher, Drs. Ilya Kister and Jos é Biller have identified the five most common findings for the ‘ top 100 ’ most common and important neurologic syndromes and disorders. The unique format of Top 100 Diagnoses in Neurology includes synopses that tie together the core disease features, illustrations and study questions for each entry, making this book an excellent tool for building a firm knowledge base in neurology and a quick reference for clinicians – neurologists and general practitioners alike.

Written by neurologists for neurologists, Decision-Making in Adult Neurology provides practical guidance when encountering patients whose clinical presentation is unfamiliar or complex, or whose treatment path is not completely certain. This useful handbook is filled with diagnostic and treatment algorithms that encourage you to think systematically and follow a logical sequence through the steps necessary for efficient and effective decision-making. Outlines the key decision points in patient management, providing a wealth of systematic information that ensures you take into account the proper physical signs and test results that will guide your recommendations. Contains 119 algorithms covering symptoms and signs, specific neurologic conditions, vascular disorders, seizures, head trauma, neoplastic disease, peripheral nervous disorders, and muscle disease. Accompanies each algorithm with brief text that explains the significance of important decision points. Provides step-by-step decision-making guidelines for testing and management of paraneoplastic diseases, choice of initial MS therapy, evaluation of incidentally discovered MRI white matter lesions, management of asymptomatic carotid stenosis, and much more.

This classic work is written for frontline clinicians who need to ask “Where is it?” when diagnosing a neurological disorder, helping them reach a diagnosis with greater accuracy and avoiding unnecessary testing. Updated to reflect the latest literature, enhanced with color anatomical diagrams and additional tables, Localization in Clinical Neurology is a cornerstone in clinical neurology.

A concise overview of neuroanatomy and its functional and clinical implications. Includes an excellent review for the USMLE, as well as cases and a practice exam.

Neuroanatomy Through Clinical Cases 2nd Edition

Clinical Neuroanatomy Made Ridiculously Simple

Neurosurgery Fundamentals

Handbook of Brain Microcircuits

Neurological Differential Diagnosis

Blueprints Neurology provides students with a complete review of the key topics and concepts-perfect for clerkship rotations and the USMLE. The fourth edition includes new diagnostic and treatment information, an updated appendix of evidence-based resources, and a question bank at the end of the book.

In order to focus on principles, each chapter in this work is brief, organized around 1-3 wiring diagrams of the key circuits, with several pages of text that distill the functional significance of each microcircuit

Publisher’s Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Snell’s Clinical Neuroanatomy, Eighth Edition, equips medical and health professions students with a complete, clinically oriented understanding of neuroanatomy. Organized classically by system, this revised edition reflects the latest clinical approaches to neuroanatomy structures and reinforces concepts with enhanced, illustrations, diagnostic images, and surface anatomy photographs. Each chapter begins with clear objectives and a clinical case for a practical introduction to key concepts. Throughout the text, Clinical Notes highlight important clinical considerations.Chapters end with bulleted key concepts, along with clinical problem solving cases and review questions that test students’ comprehension and ensure preparation for clinical application.

Casebook of Clinical Neuropsychology features actual clinical neuropsychological cases drawn from leading experts’ files. Each chapter represents a different case completed by a different expert. Cases cover the lifespan from child, to adult, to geriatric, and the types of cases will represent a broad spectrum of prototypical cases of well-known and well-documented disorders as well as some rarer disorders. Chapter authors were specifically chosen for their expertise with particular disorders. When a practitioner is going to see a child or an adult with “X” problem, they can turn to the “case” and find up to date critical information to help them understand the issues related to the diagnosis, a brief synopsis of the literature, the patient’s symptom presentation, the evaluation including neuropsychological test results and other results from consultants, along with treatments and recommendations. Clinical cases represent a long-established tradition as a teaching vehicle in the clinical sciences, most prominently in medicine and psychology. Case studies provide the student with actual clinical material - data in the form of observations of the patient, examination/test data, relevant history, and related test results - all of which

must be integrated into a diagnostic conclusion and ultimately provide the patient with appropriate recommendations. Critical to this educational/heuristic process is the opportunity for the reader to view the thought processes of the clinician that resulted in the conclusions and recommendations offered. With the science of the disorder as the foundation of this process, readers learn how the integration of multiple sources of data furthers critical thinking skills.

The Little Black Book of Neuropsychology

Cranial Nerves

Aids to the Examination of the Peripheral Nervous System

Gray’s Clinical Neuroanatomy E-Book

A Syndrome-Based Approach

Cranial Nerves: Function & Dysfunction, Third Edition presents problem-based learning cases and clinical testing in a visual format. Cranial Nerves targets students of the health sciences (medicine, rehabilitation sciences, dentistry, pharmacy, speech pathology, audiology, nursing, physical and health education, and biomedical communications) who may be studying neuroanatomy and gross anatomy for the first time. The text guides users through pertinent information and full-colour functional drawings including color-coded pathways/modalities from the periphery of the body to the brain (sensory input) and from the brain to the periphery (motor output). Each pathway is described according to the direction of the nerve impulse, not according to the embryologic outgrowth of the nerve. Cranial Nerves: Function & Dysfunction, Third Edition separates the nerve ‘sre modalities, thereby highlighting important clinical aspects of each nerve. The website includes all illustrations as well as 19 videos demonstrating the testing of the cranial nerves.

Gray’s Clinical Neuroanatomy focuses on how knowing functional neuroanatomy is essential for a solid neurological background for patient care in neurology. Elliot Mancall, David Brock, Susan Standing and Alan Crossman present the authoritative guidance of Gray’s Anatomy along with 100 clinical cases to highlight the relevance of anatomical knowledge in this body area and illustrate the principles of localization. Master complex, detailed, and difficult areas of anatomy with confidence. View illustrations from Gray’s Anatomy and radiographs that depict this body area in thorough anatomical detail. Apply the principles of localization thanks to 100 brief case studies that highlight key clinical conditions. Tap into the anatomical authority of Gray’s Anatomy for high quality information from a name you trust. Presents the guidance and expertise of a high profile team of authors and top clinical and academic contributors.

Neural Networks in Brain Function, CNS Disorders, and Therapeutics, edited by two leaders in the field, offers a current and complete review of what we know about neural networks. How the brain accomplishes many of its more complex tasks can only be understood via study of neuronal network control and network interactions. Large networks can undergo major functional changes, resulting in substantially different brain function and affecting everything from learning to the potential for epilepsy. With chapters authored by experts in each topic, this book advances the understanding of: How the brain carries out important tasks via networks How these networks interact in normal brain function Major mechanisms that control network function The interaction of the normal networks to produce more complex behaviors How brain disorders can result from abnormal interactions How therapy of disorders can be advanced through this network approach This book will benefit neuroscience researchers and graduate students with an interest in networks, as well as clinicians in neuroscience, pharmacology, and psychiatry dealing with neurological disorders. Utilizes perspectives and tools from various neuroscience subdisciplines (cellular, systems, physiologic), making the volume broadly relevant Chapters explore normal network function and control mechanisms, with an eye to improving therapies for brain disorders Reflects predominant disciplinary shift from an anatomical to a functional perspective of the brain Edited work with chapters authored by leaders in the field around the globe – the broadest, most expert coverage available

Brings a pioneering interactive approach to the teaching of neuroanatomy, using over 100 actual clinical cases and high-quality radiologic images to bring the subject to life. By presenting actual clinical cases accompanied by radiologic images, Neuroanatomy through Clinical Cases, Third Edition allows students to appreciate the clinical relevance of structural details as they are being learned, and to integrate knowledge of disparate functional systems, since a single lesion may affect several different neural structures and pathways. The book is intended primarily for first- or second-year medical students enrolled in a basic neuroanatomy, neurobiology, or neuroscience course. It is also a valuable resource for advanced medical students and residents, as well as students of other health professions, including neuropsychology, physical therapy, occupational therapy, nursing, dentistry, and speech therapy.

An Atlas of Structures, Sections, and Systems

Snell’s Clinical Neuroanatomy

A Multiple Choice Question Book for the Wards and Boards

Neuroanatomy: Text and Atlas

Casebook of Clinical Neuropsychology

Please note that this eBook does not include the DVD accompaniment. If you would like to have access to the DVD content, please purchase the print copy of this title. This is a clinical neurology book for students and non neurologists, and for those who teach them. The book covers neuroanatomy, history taking and examination and then proceeds to discuss the clinical features of common problems as well as selected, less common neurological disorders, in a way that will demystify a part of medicine that many find complex and difficult to understand. The book is accompanied by a DVD explaining concepts, demonstrating techniques of performing the neurological examination and demonstration of abnormal neurological signs. The first chapter is devoted to neuroanatomy from a clinical viewpoint. The concept of localising problems by likening the nervous system to a map grid with vertical meridians of longitude (the ascending sensory pathways and the descending motor pathway)and horizontal parallels of latitude (cortical signs, brainstem cranial nerves, nerve roots and peripheral nerves) of the nervous system is developed. Subsequent chapters take the reader through the neurological examination and the common neurological presentations from a symptom oriented approach. Chapter 4 contains a very simple method of understanding the brainstem, the ‘rule of 4’. Chapter 6 discusses the approach after the history and examination are completed. The final chapter is an overview of how to approach information gathering and keeping up-to-date using the complex information streams available. widely illustrated with case studies and illustrations key points clinical questions clinical orientation with comprehensive references

The quintessential guide providing a one-stop roadmap to a neurosurgical career! Neurological surgery is a complex, highly selective specialty. For medical students and residents, navigating a huge array of neurosurgical information can be overwhelming. Neurosurgery Fundamentals by Nitin Agarwal is a portable reference enabling swift assimilation of neurosurgical care essentials. The book starts with a roadmap to a career in neurosurgery. It concludes with Advice from the Masters, featuring invaluable resources and insights from prominent neurosurgeons. Comprehensive technical overviews are provided on the neurological exam, neuroanatomy, neuroaudiology, neurocritical care, traumatic brain and spinal cord injury, degenerative and deformity spine, neurovascular surgery, neurosurgical oncology, pediatric neurosurgery, functional neurosurgery, stereotactic radiosurgery, infectious diseases, and interdisciplinary care. Socioeconomic topics include training, licensure, credentialing, and advocacy. Key Features Fundamental diseases, tests, and operative approaches are summarized. Top Hits feature the most salient questions, aiding in retention of knowledge. High-yield resources are highlighted to augment reader identification. Neurosurgical Pearls offer advice from the masters relevant to each chapter. High-quality illustrations, photographs, and radiographs enrich understanding. Aspiring neurosurgical providers will benefit from the easy-to-digest wealth of information in this concise, yet comprehensive guide.

Newly revised and updated, A Textbook of Neuroanatomy, Second Edition is a concise text designed to help students easily master the anatomy and basic physiology of the nervous system. Accessible and clear, the book highlights interrelationships between systems, structures, and the rest of the body as the chapters move through the various regions of the brain. Building on the solid foundation of the first edition, A Textbook of Neuroanatomy now includes two new chapters on the brainstem and reflexes, as well as dozens of new micrographs illustrating key structures. Throughout the book the clinical relevance of the material is emphasized through clinical cases, questions, and follow-up discussions in each chapter, motivating students to learn the information. A companion website is also available, featuring study aids and artwork from the book as PowerPoint slides. A Textbook of Neuroanatomy, Second Edition is an invaluable resource for students of general, clinical and behavioral neuroscience and neuroanatomy.

Practical, case-based resource helps students integrate content from neuroanatomy and clinical courses Clinical Neuroanatomy: A Case-Based Approach by Douglas Gould and Gustavo Patino presents nervous system anatomy in a clinically-integrated manner, making it an ideal learning tool for medical students. Forty-seven succinct patient presentations feature a step-by-step walk-through of the lesion localization, correlating neuroanatomy with signs and symptoms. Each consistently organized case also includes the patient complaint, salient medical history, physical exam findings, discussion of symptoms, differential diagnoses, and potential tests. Key Highlights High-yield, patient-focused vignettes challenge students to “find the lesion” and propose differential diagnoses Images provide an illustrative review of relevant anatomy and impacted pathways A visually-rich appendix provides a quick anatomical guide to upper and lower motor neuron manifestations, the central nervous system, and lesion locations Questions at the end of each section help students develop the ability to apply anatomy knowledge to the clinical setting This is a must-have resource for medical students and clinicians seeking to apply neuroanatomy concepts to the initial patient approach. It is also an invaluable prep tool for the USMLE® or any other high-stakes exam covering neuroanatomy.

Case Closed! Neuroanatomy

Neuroanatomy Through Clinical Cases 2nd Ed + Neuroscience 4th Ed

Clinical Neurology E-Book

de Lahunta’s Veterinary Neuroanatomy and Clinical Neurology - E-Book

Neuroanatomy Through Clinical Cases with Slivius 4 Online (2-Year Subscription)

Looking for an easy, fun and effective way to demystify the structures of the human brain? Coloring the human brain and its nerves is the most effective way to study the structure and functions of neuroanatomy. You assimilate information and make visual associations with key terminology when coloring in the Neuroanatomy Coloring Book, all while having fun! Whether you are following a neuroscience course or just interested in the human brain and its structures, let this book guide you. While other books give you the anatomical terminology immediately, this book is designed for convenient self-testing by providing the answer keys on the back of the same page so you can get the most out of your studies. Plus, the detailed illustrations of the neuroanatomical systems in a large page design without back-to-back drawings will make you say goodbye to bleed-through! The Neuroanatomy Coloring Book features: The most effective way to skyrocket your neuroanatomical knowledge, all while having fun! Full coverage of the major systems of the human brain to provide context and reinforce visual recognition 25+ unique, easy-to-color pages of different neuroanatomical sections with their terminology Large 8.5 by 11-inch single side paper so you can easily remove your coloring Self-quizzing for each page, with convenient same-page answer keys Discover the structure of the following sections of the human brain: Lobes and lobules Sagittal section Coronal section Cranial nerves Transverse section of the pons Gyri and sulci Circle of Willis Limbic system Thalamus Blood supply of the central nervous system Spinal cord tracts And many, many more... Joins thousands of others who have made their

studies more fun, easy and efficient! Roll up and click “ADD TO CART” right now!

Within the field of neuroscience, the past few decades have witnessed an exponential growth of research into the brain mechanisms underlying both normal and pathological states of consciousness in humans. The development of sophisticated imaging techniques to visualize and map brain activity in vivo has opened new avenues in our understanding of the pathological processes involved in common neuropsychiatric disorders affecting consciousness, such as epilepsy, coma, vegetative states, dissociative disorders, and dementia. This book presents the state of the art in neuroimaging exploration of the brain correlates of the alterations in consciousness across these conditions, with a particular focus on the potential applications for diagnosis and management. Although the book has a practical approach and is primarily targeted at neurologists, neuroaudiologists, and psychiatrists, it will also serve as an essential reference for a wide range of researchers and health care professionals.

Connections define the functions of neurons: information flows along connections, as well as growth factors and viruses, and even neuronal death can progress through connections. Accordingly, knowing how the various parts of the brain are interconnected to form functional systems is a prerequisite for properly understanding data from all fields in the neurosciences. Clinical Neuroanatomy: Brain Circuitry and Its Disorders bridges the gap between neuroanatomy and clinical neurology. It focuses on human and primate data in the context of brain circuitry disorders, which are so common in neurological practice. In addition, numerous clinical cases are presented to demonstrate how normal brain circuitry can be interrupted, and what the effects are. Following an introduction to the organization and vascularization of the human brain and the techniques used to study brain circuitry, the main neurofunctional systems are discussed, including the somatosensory, auditory, visual, motor, autonomic and limbic systems, the cerebral cortex and complex cerebral functions. In this 2nd edition, apart from a general updating, many new illustrations have been added and more emphasis is placed on modern techniques such as diffusion magnetic resonance imaging (dMRI) and network analysis. Moreover, a developmental ontology based on the prosomeric model is applied, resulting in a more modern subdivision of the brain. The new edition of Clinical Neuroanatomy is primarily intended for neurologists, neuroaudiologists and neuropathologists, as well as residents in these fields, but will also appeal to (neuro)anatomists and all those whose work involves human brain mapping.

“The third edition of Neuroanatomy through Clinical Cases is written for first- or second-year medical students enrolled in a basic neuroanatomy, neurobiology, or neuroscience course. It is also a valuable resource for advanced medical students and residents, as well as students of other health professions ranging from physical therapy to dentistry. This book brings a pioneering interactive approach to the teaching of neuroanatomy and comprises 19 chapters that explain the major neuroanatomical systems. Each chapter first presents background material-including an overview of relevant neuroanatomical structures and pathways-and a brief discussion of related clinical disorders. The second half of each chapter is devoted to clinical cases. The cases begin with a narrative of how the patient developed symptoms and what deficits were found on neurological examination. A series of questions challenges the reader to deduce the neuroanatomical location of the patient’s lesion and the diagnosis. Discussion and answers follow, revealing the actual outcome. This third edition is fully updated with the latest advances in the field and includes several new cases and enhanced online and digital components”-

Incredibly Detailed Self-Test Human Brain Coloring Book for Neuroscience - Perfect Gift for Medical School Students, Nurses, Doctors and Adults

Clinical Neuroanatomy

West’s Pulmonary Pathophysiology

Neuroanatomy

Lange Clinical Neurology and Neuroanatomy: A Localization-Based Approach

Publisher’s Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A comprehensive, color-illustrated guide to neuroanatomy and its functional and clinical applications Engagingly written and extensively illustrated, Clinical Neuroanatomy, Twenty-Ninth Edition gets you up to speed on neuroanatomy, its functional underpinnings, and its relationship to the clinic. You’ll learn everything you need to know about the structure and function of the brain, spinal cord, and peripheral nerves. This authoritative guide illustrates clinical presentations of disease processes involving specific structures, explores the relationship between neuroanatomy and neurology, and reviews advances in molecular and cellular biology and neuropharmacology as related to neuroanatomy. The book is packed with case studies and hundreds of visuals—including CT and MRI scans, block diagrams showing muscle actions, root-by-root and nerve-by-nerve images of sensory areas and muscle intervention, and more—to help you retain critical information. Essential for board review or as a clinical refresher, Clinical Neuroanatomy features: • More than 300 full-color illustrations • An introduction to clinical thinking that puts neuroanatomy in clear clinical perspective • A discussion of the latest advances in molecular biology and cellular biology in the context of neuroanatomy • Numerous CT and MRI scans • Block diagrams illustrating actions of each muscle (essential for the clinical motor examination) • Hundreds of diagrams and tables encapsulating important information • Summary listings at the end of each chapter • Clear and memorable root-by-root and nerve-by-nerve illustrations of sensory areas and muscle intervention • Coverage of the basic structure and function of the brain, spinal cord, and peripheral nerves as well as clinical presentations of disease processes involving specific structures • Appendices including The Neurologic Examination, Testing Muscle Function, Spinal Nerves and Plexuses, and Questions and Answers • Case studies demonstrating how concepts apply to real-world clinical situations • All the must-know concepts, facts, and structures, and more • A complete practice exam to assess your knowledge

Neuroanatomy is an extremely complex subject. Overwhelmed by anatomical detail, students often miss out on the functional beauty of the nervous system and its relevance to clinical practice. This book resolves this dilemma, using high-quality radiological images, interactive pedagogy & case studies to bring the subject to life.

Functional and Clinical Neuroanatomy: A Guide for Health Care Professionals is a comprehensive, yet easy-to-read, introduction to neuroanatomy that covers the structures and functions of the central, peripheral and autonomic nervous systems. The book also focuses on the clinical presentation of disease processes involving specific structures. It is the first review of clinical neuroanatomy that is written specifically for nurses, physician assistants, nurse practitioners, medical students and medical assistants who work in the field of neurology. It will also be an invaluable resource for graduate and postgraduate students in neuroscience. With 22 chapters, including two that provide complete neurological examinations and diagnostic evaluations, this book is an ideal resource for health care professionals across a wide variety of disciplines. Written specifically for “mid-level” providers in the field of neurology Provides an up-to-date review of clinical neuroanatomy based on the latest guidelines Provides a logical, step-by-step introduction to neuroanatomy Offers hundreds of full-color figures to illustrate important concepts Highlights key subjects in “Focus On” boxes Includes Section Reviews at critical points in the text of each chapter

Note: Printed book includes a 2-year subscription to the Interactive eBook. Neuroanatomy through Clinical Cases brings a pioneering interactive approach to the teaching of neuroanatomy, using over 100 actual clinical cases and high-quality radiologic images to bring the subject to life. The Second Edition is fully updated with the latest advances in the field, and includes several exciting new cases. This approach allows students to appreciate the clinical relevance of structural details as they are being learned, and to integrate knowledge of disparate functional systems, since a single lesion may affect several different neural structures and pathways. Most of the book comprises chapters that explain the major neuroanatomical systems. Each chapter first presents background material including an overview of relevant neuroanatomical structures and pathways, and a brief discussion of related clinical disorders. The second half of each chapter is devoted to clinical cases. The cases begin with a narrative of how the patient developed symptoms, and what deficits were found upon neurological examination. Boldface type highlights important symptoms and signs. A series of questions challenges the reader to deduce the neuroanatomical location of the patient’s lesion, and the diagnosis. Discussion and answers follow, and an epilogue reveals the actual outcome. One of the book’s most innovative features is the inclusion of CT and MRI scans that depict each patient’s lesion. These radiographs help the reader develop skills in interpreting the same kinds of diagnostic images employed in clinical practice. The book is intended primarily for first- or second-year medical students enrolled in a basic neuroanatomy, neurobiology or neuroscience course. It is also a valuable resource for advanced medical students and residents, as well as students of other health professions, including neuropsychology, physical therapy, occupational therapy, nursing,

Clinical Neuroanatomy, Twentyninth Edition

Neurology

Brain Circuitry and Its Disorders

Function and Dysfunction

The Essentials

“This outstanding text presents the patient’s medical records and test results to providing recommendations, the neuropsychological evaluation incorporates the science and practice of neuropsychology, neurology, and psychological sciences. The Little Black Book of Neuroanatomy brings the practice and study of neuropsychology into concise step-by-step focus—without skimming on scientific quality. This one-of-a-kind assessment reference complements standard textbooks by outlining signs, symptoms, and complaints according to neuropsychological domain (such as memory, language, or executive function), with descriptions of possible deficits involved, inpatient and outpatient assessment methods, and possible etiologies. Additional chapters offer a more traditional approach to evaluation, discussing specific neurological disorders and diseases in terms of their clinical features, neuroanatomical correlates, and assessment and treatment considerations. Chapters in psychometrics provide for initial understanding of brain-behavior interpretation as well as more advanced principals for neuropsychology practice including new diagnostic concepts and analysis of change in performance over time. For the trainee, beginning clinician or seasoned expert, this user-friendly presentation incorporating ‘quick reference guides’ throughout ‘which will add to the practice armamentarium of beginning and seasoned clinicians alike. Key features of The Black Book of Neuropsychology: Concise framework for understanding the neuropsychological referral. Symptoms/syndromes presented in a handy outline format, with dozens of charts and tables. Review of basic neurobehavioral examination procedure. Attention to professional issues, including advances in psychometrics and diagnoses, including tables for reliable change for many commonly used tests. Special ‘Writing Reports like You Mean It’ section and guidelines for answering referral questions. Includes appendices of practical information, including neuropsychological formulary. The Little Black Book of Neuropsychology is an indispensable resource for the range of practitioners and scientists interested in brain-behavior relationships. Particular emphasis is provided for trainees in neuroanatomy and neuropsychologists. However, the easy to use format and concise presentation is likely to be of particular value to interns, residents, and fellows studying neurology, neurological surgery, psychiatry, and nurses. Finally, teachers of neuropsychological and neurological assessment may also find this book useful as a classroom text. ‘There is no other book in the field that covers the scope of material that is inside this comprehensive text. The work might be best summed up as being a clinical neuropsychology postdoctoral residency in a book, with the most up to date information available, so that it is also an indispensable book for practicing neuropsychologists in addition to students and residents...There is really no book like this available today. It skillfully brings together the most important foundations of clinical neuropsychology with the ‘nuts and bolts’ of every facet of assessment. It also reminds the more weathered neuropsychologists among us of the essential value of neuropsychological assessment...the impact of the disease on the patient’s cognitive functioning and behavior may only be objectively quantified through a neuropsychological assessment.’ Arch Clin Neurology (2011) first published online June 13, 2011 Read the full review [www.oxfordjournals.org](http://www.oxfordjournals.org)

A reference tool for all clinical neurologists. This carefully-designed textbook offers a brand-new approach to learning neuroanatomy for medical students and newly-qualified doctors, particularly those considering a career in neurology and neurosurgery. Promoting active learning and taking inspiration from other popular case-based formats, readers are encouraged to overcome their inherent ‘neurophobia’. The accessible text and practical examples, unencumbered by esoteric minutiae, support students and trainees in developing the necessary skills that will be essential in later clinical practice. Developed specifically in response to student feedback, the authors have succeeded in creating a novel, brief, and high-yield primer that offers a unique approach to mastering this challenging discipline. Case Closed! Neuroanatomy not only teaches students how to localize, but also guides them to solve successfully the problems that will reappear in their exams and in the clinic.

Clinical Cases Uncovered

Blueprints Neurology

Localization in Clinical Neurology

Neuroimaging of Consciousness

Neuroanatomy Coloring Book