

Mayo Gastroenterology Fourth Edition

The Mayo Clinic Guide to Magnetic Resonance Imaging, Second Edition, is a thoroughly handy reference text and soon to be classic text is designed to educate physicists, technologists, and clinicians in the basics of cardiac MRI. A significantly expanded and reworked clinical imaging section provides numerous imaging protocols for the most commonly indicated cardiac MRI examinations as well as a plethora of well illustrated and described clinical examples. This text is a must have for anyone interested in developing their own cardiovascular MR imaging practice or advancing their existing skills. The addition of case-based questions and answers add a new dimension to this expanded second edition.

The medical management of infectious diseases and antimicrobial therapy can be a daunting task for health care professionals. Although expansive textbooks and online resources are available, a simplified, quick reference guide is needed for the day-to-day office and hospital clinical practice. Mayo Clinic Antimicrobial Therapy: Quick Guide, Second Edition, provides information about infectious diseases and antimicrobial therapy in a format that is readily accessible and easily applicable to the clinical environment. Highlights of this book include drug dosing recommendations for renal function and renal replacement therapies, drugs of choice for specific organisms (including bacteria, fungi, and viruses), and simplified antimicrobial and management recommendations for specific infectious syndromes. Mayo Clinic Antimicrobial Therapy: Quick Guide, Second Edition, will assist health care providers in the management of infectious diseases and in the selection of appropriate antimicrobial therapy in a time-efficient manner.

Identifying and managing problems difficult to manage—with this comprehensive reference from the world-renowned Mayo Clinic. Digestive problems are among the most common reasons people see doctors and take medication. This updated fourth edition of Mayo Clinic on Digestive Health is an authoritative yet practical reference manual that includes information on everything from healthy digestion to cancer treatment. The book is packed with helpful advice on treating common digestive conditions and preventing serious disease, with information on: Belching, bloating and gas • Celiac disease • Colorectal cancer • Constipation and diarrhea • Crohn's disease and ulcerative colitis • Diverticular disease • Gallbladder disease • Heartburn and GERD • Irritable bowel syndrome • Liver disease • Pancreatic disease • Swallowing difficulties • Ulcers and stomach pain Also covered are diagnostic testing, mealtime recommendations and self-care tips for relieving discomfort, and the latest information on endoscopic ultrasound, virtual colonoscopy, and the newer minimally invasive treatments for gastroesophageal reflux disease (GERD).

This is a comprehensive GI radiology review atlas and textbook with helpful study guides, high-quality images, and cases. The cases are presented so they can be viewed as unknowns, for aid with studying. The brief text is filled with essential facts that improve understanding of the field, as well as several findings, differential diagnoses, and pertinent information about the disease. Study tables, differential lists, and references to those images are included in each chapter.

Mayo Clinic Going Gluten Free

Just Enough Physiology

Mayo Clinic Gastroenterology and Hepatology Board Review

Yamada's Textbook of Gastroenterology

Mayo Clinic Guide to Cardiac Magnetic Resonance Imaging

Written in a quick-review format perfect for the busy student and clinician, this Second Edition stands as the most illustrative and in-depth guide available to prepare for the gastroenterology board and recertification exams. Supplying readers with an armamentarium of case-based presentations, 219 quality images, and more than 400 references for f

The key resource you need to prepare for the American Board of Internal Medicine (ABIM) Certification and Maintenance of Certification examinations. Now in its twelfth edition, Mayo Clinic Internal Medicine Board Review builds on years of knowledge, refinement, and expertise from Mayo Clinic's Department of Medicine and the successful certification process, providing the latest information you need. Now including Physician Well-Being and Hospital Internal Medicine, over 80 chapters help you confidently sit for the boards.

Not preparing to certify or recertify? This all-inclusive reader-friendly volume is the perfect companion for anyone seeking to provide state-of-the-art care to patients, to serve as a core textbook for internal medicine residency training, or for students preparing for USMLE Step 3 examinations.

FROM THE PREFACE: The original purpose of the First Edition of Physiology of the Gastrointestinal Tract to collect in one set of volumes the most current and comprehensive knowledge in our field was also the driving force for the Fourth Edition. The explosion of information at the cellular level, made possible in part by the continued emergence of powerful molecular and cellular techniques, has resulted in a greater degree of revision than that of any other edition. The first section, now titled "Basic Cell Physiology and Growth of the GI Tract" contains numerous new chapters on topics such as transcriptional regulation, signaling networks in development, apoptosis, and mechanisms in malignancies. Most of the chapters in this section were edited by Juanita L. Merchant. Section II has been renamed "Neural Gastroenterology and Motility" and has been expanded from seven chapters with rather classic titles to more than twenty chapters encompassing not only the movement of the digestive tract but also cell physiology, neural regulation, stress, and the regulation of food intake. Almost all of the chapters were recruited and edited by Jackie D. Wood. The third section is entirely new and contains chapters on "Immunology and Inflammation" which were edited by Kim E. Barrett. The fourth section on the "Physiology of Secretion" consists of chapters with familiar titles, but with completely updated information to reflect the advances in our understanding of the cellular processes involved in secretion. The last section on "Digestion and Absorption" contains new chapters on the intestinal barrier, protein sorting and ion channels along with those focusing on the uptake of specific nutrients. These chapters were recruited and edited by Hamid M. Said and Fayez K. Ghishan. . . Collected in one set - the most current and comprehensive coverage of gastrointestinal physiology . . . Information presented in a style that is both readable and understandable . . . Valuable to the specialized researcher, the clinical gastroenterologist, the teacher, and the student . . . Features an entirely new section on Immunology and Inflammation . . . Each section edited by the preeminent scientist in the field

The 11th edition of Mayo Clinic Internal Medicine Board Review is fully revised to reflect the latest information necessary to prepare for the American Board of Internal Medicine Certification and Maintenance of Certification examinations. Published in an all-inclusive and easy-to-use volume, the book provides a wide array of concise chapters that review focused subjects within each specialty, followed by a series of questions and answers at the end of each section. With this new formatting, readers can study by fitting review into their busy schedules. This authoritative resource provides a succinct review of allergy, cardiology, endocrinology, gastroenterology and hepatology, general internal medicine, hematology, infectious diseases, nephrology, neurology, oncology, psychiatry, pulmonology, and rheumatology. This book is a necessary resource for anyone studying for board examinations and is an important addition for those looking to include a reference on internal medicine to their medical library. Key Features of the 11th Edition: -Each chapter includes key facts and key definitions to highlight important information without breaking up the reading flow of the chapter. -Each section includes color-coded tabs to facilitate reviewing and studying. -The entire book is highly illustrated with figures, tables, and boxes to improve comprehension.

Mayo Clinic Cardiology

With Board-Style Questions and Answers

Mayo Clinic Infectious Disease Case Review

Mayo Clinic Essential Neurology

Diagnosis and Management

Just Enough Physiology takes the reader on a guided tour of cardiopulmonary physiology. You'll discover how the heart, lungs, and circulation work in extreme environments so that you're better equipped to understand how they function - or malfunction - at the bedside, in the operating room, or in the intensive care unit. Like the brain teasers that are included at the end of each chapter, Just Enough Physiology emphasizes the logic, and not just the details, behind physiology. Just Enough Physiology will prepare all students and physicians-in-training for board exams while also teaching them how to think like a physiologist.

Mayo Clinic Gastroenterology and Hepatology Board Review book has been designed to succinctly and clearly assist both physicians-in-training who are preparing for the gastroenterology board examination and the increasing number of gastroenterologists awaiting recertification. The text provides a review of essential knowledge in gastroenterology, hepatology, and integral relevant related areas of pathology, endoscopy, nutrition, and radiology, to name a few. Clinical knowledge related to diagnostic and therapeutic approaches to patient management is also emphasized. Although less detailed than encyclopedic textbooks, this board review provides much more information than outline booklets. Clinical knowledge to enhance patient management, rather than the latest scientific advances is emphasized. For persons preparing for their board examination, each subspecialty section concludes with a case-based presentation and numerous board examination-type single best-answer questions with annotated answers are provided. The faculty authoring this book are all Mayo Clinic gastroenterologists and hepatologists who spend most of their time caring for patients and teaching in a academic environment. Because of this overlapping, yet diverse, expertise, the text provides broad expertise across all of gastroenterology and hepatology.

This comprehensive board review guide will aid in your preparation for the neurology board certification and recertification. With extensive neuroimaging, illustrations, and neuropathology included,Mayo Clinic Neurology Board Review eliminates the need for obtaining multiple resources to study for the neurology board examination. High-yield information is emphasized to highlight key facts. While this book is aimed at passing the neurology boards, it may also be useful to medical students and residents rotating through neurology or for the generalist with an interest in reviewing neurology. For those recertifying for neurology, the dual volume book eliminates the need to wade through excess text with basic sciences. In addition, information on maintenance of certification helps those recertifying understand the complex requirements.

Mayo Clinic Internal Medicine Board Review, 10th edition, is designed to meet the needs of physicians-in-training and practicing clinicians by updating their knowledge of internal medicine and preparing them for the ABIM certification and maintenance-of-certification examinations in internal medicine. For the 10th edition, contributors were asked to map chapters according to ABIM goals.

At least 50 percent of the material will be new, with the remainder changed and updated. The redesign is intended to cover all ABIM goals while streamlining the text to make it more user-friendly. Large chapters have been broken up into smaller content-oriented chapters to facilitate shorter, more focused study opportunities. This book is divided into subspecialty topics (eg, allergy, cardiology, dermatology, etc) and cross-content topics related to general internal medicine (eg, men's health, women's health, geriatrics, etc). Questions and answers have been pulled from the main text to a companion book of Q&As to facilitate study.

Arrhythmias in Women

Mayo Clinic Body MRI Case Review

Mayo Clinic Principles of Shoulder Surgery

Textbook of Clinical Gastroenterology and Hepatology

Mayo Clinic Illustrated Textbook of Neurogastroenterology

Mayo Clinic Critical and Neurocritical Care Board Review is an all-inclusive review of the pathophysiology and care of the neurocritically ill and critically ill patient. The book reviews the core major critical care and neurocritical care disorders, underlying pathophysiology, treatment decisions with questions and answers for self-directed study and board review purposes. The text is succinct, to the point, relevant, informative, and up-to-date with information from recent clinical trials and facts based on evidence-based medicine. The references are up-to-date with the most recent critical care guidelines for further study. The book is written and closely supervised by experienced Mayo Clinic faculty and reviewed in detail by the editors. The book is suitable for self-study towards neurocritical care boards and a number of critical care board examinations and certification exams. Tables, explanatory drawings, and bullet points are used throughout the text for high-yield learning. Using state-of-the-art MRI images, this book illustrates radiological findings in the abdomen and pelvis in a case presentation format. Cases presented in this book include common and uncommon diseases of nearly every organ system of the abdomen and pelvis. Each case succinctly discusses the relevant imaging findings, differential diagnosis, and potential imaging and diagnostic pitfalls. Many cases also include discussion of MRI technique, with illustration of some common artifacts. For radiology residents and fellows, this book will be a valuable study tool and reference; fourth-year residents should find this book especially helpful when studying for oral boards. Practicing radiologists should find this a useful quick review of state-of-the-art body MRI.

Mayo Clinic Essential Neurology, Second Edition has been updated and designed with the busy medical student, resident, and clinician in mind. This rapidly changing specialty has more therapeutic options available to treat neurologic disease than ever before. The text, tables, and illustrations are enhanced with online videos, all designed to provide quick and concise information on common neurologic disorders. The book addresses three main areas in fourteen user-friendly chapters: the neurologic examination and diagnostic testing, common neurologic symptoms, and common neurologic diseases. Each chapter is highly illustrated with figures and tables, and is accompanied with audio samples portraying dysarthrias and videos showing gait, movement disorder, fasciculation, and other neurologic phenomena.

Fully updated and revised according to student feedback, the sixth edition of Mayo Clinic Medical Neurosciences: Organized by Neurologic System and Level provides a systematic approach to anatomy, physiology, and pathology of the nervous system inspired by the neurologist's approach to solving clinical problems. This volume has 4 sections: 1) an overview of the neurosciences necessary for understanding anatomical localization and pathophysiologic characterization of neurologic disorders; 2) an approach to localizing lesions in the 7 longitudinal systems of the nervous system; 3) an approach to localizing lesions in the 4 horizontal levels of the nervous system, and 4) a collection of clinical problems. This book provides the neuroscience framework to support the neurologist in a clinical setting and is also a great resource for neurology and psychiatry board certifications. This is the perfect guide for all medical students and neurology, psychiatry, and physical medicine residents at early stages of training. New to This Edition - A chapter devoted to multiple-choice questions for self-assessment - Discussion of emerging concepts in molecular, cellular, and system neurosciences - New chapters on emotion and consciousness systems - Incorporation of new discoveries in neuroimaging and an appendix for tables of medications commonly used to treat neurologic disorders

Essential Guide to Managing Celiac Disease and Other Gluten-Related Conditions

Mayo Clinic Critical Care Case Review

Mayo Clinic Internal Medicine Board Review

Physiology of the Gastrointestinal Tract

12 Actions to Create the Ideal Workplace

"Studying rare genetic and molecular diseases of gut motility provides an understanding of their underlying mechanisms and may provide insights on the mechanisms or management of more common illnesses. For example, constipation affects 1 in 5 people 65 years or older and 1 in 10 people younger than 65 years, and slow-transit constipation or colonic inertia is responsible for approximately 10% of referrals of patients with constipation to gastroenterologists and, among all patients with constipation, is the cause in probably 1%. Insights on the pathophysiology and mechanisms of constipation are provided by studying Hirschsprung disease, mitochondrial cytopathy, or multiple endocrine neoplasia type 2B. These diseases are used to illustrate the congenital diseases of the enteric neuromuscular apparatus"--

The medical management of infectious diseases and antimicrobial therapy can be a daunting task for health care professionals. Infectious diseases experts at Mayo Clinic provide a coordinated, unified approach to infectious disease treatment for the general patient population as well as the complex patients seen at this internationally renowned destination medical center. Over twenty contributors represent the spectrum of infectious disease experience within the Mayo Clinic framework of patient-centered care. Highlights of Mayo Clinic Antimicrobial Therapy: Quick Guide, Third Edition include simplified and thorough drug dosing recommendations for renal function and renal replacement therapies, drugs of choice for specific organisms (including bacteria, fungi, and viruses), and updated and simplified antimicrobial and management recommendations for specific infectious syndromes. New features of the third edition include dosing recommendations for extended infusions and obese and neonatal patient populations and treatment options targeted for hepatitis B and C infections, prosthetic joint infections, post-transplant infections, and infections resulting from bioterrorism. This compact, user-friendly resource brings the specialized knowledge of Mayo Clinic to your fingertips.

Mayo Clinic Electrophysiology Manual explores the various contemporary techniques for diagnosis, imaging, and physiology-based therapeutic ablation.

Mayo Clinic Cases in Neuroimmunology delivers a case-based walk-through of demyelinating, autoimmune, and other inflammatory neurologic disorders and their mimics. The authors present cases from their own extensive experience with common and rare neuroimmunologic disorders. The format of this case-based book was developed to stimulate consideration of the differential diagnosis as the reader reviews the history and examination narratives of each of the 83 cases. Videos of autoimmune movement disorders supplement the clinical descriptions, where pertinent. In addition, test results from radiology, electrophysiology, and laboratory studies are presented, and treatment and outcome data are also included. Clinical pearls and radiologic clues to assist informed diagnostic decision-making are emphasized. Each case is followed by discussion, including therapeutic guidance and key take-home points. More than 150 multiple-choice questions with answers are also given to test readers' comprehension and retention. This new addition to the Mayo Clinic Scientific Press series is a comprehensive volume on neuroimmunology that will stimulate and inform those aiming for clinical mastery.

Mayo Clinic Cases in Neuroimmunology

Mayo Clinic Internal Medicine Board Review Questions and Answers

Mayo Clinic Medical Neurosciences

Concise Textbook

Mayo Clinic Strategies to Reduce Burnout

Mayo Clinic Critical Care Case Review is a unique compilation of cases presented at the highly rated Mayo Clinic Clinical Pathological Case (CPC) Conference. Designed to cover rare cases in a short amount of time, these reviews are set up in what is called the "unknown" format: highlighting the clinically key elements of the patient's hospital course, singling out the diagnostic dilemmas, and concludes with a question and answer format that allows clinicians to take home relative points for clinical practice. Written by practicing intensivists and critical care fellows for practicing intensivists and critical care fellows, this book combines interesting reading experiences with critical care medicine review. Each chapter ends with questions and answers that provide a board style review for the readers. Each case begins on the left-hand page with the discussion on the right, written succinctly to provide quick diagnostic understanding. While most critical care review books focus solely on an organ-system format, Mayo Clinic Critical Care Case Review captures the spirit of the CPC Conference in its text and illustrations. This all-inclusive and easy-to-use volume includes questions and answers at the end of each section and a reader-friendly format that makes it the perfect study companion for anyone preparing to certify in internal medicine or seeking to provide state-of-the-art care to patients. Key features of the 12th EditionDT Concise preparatory material that also provides didactic reference materialDT Key points are in bold throughout and repeated for emphasisDT Provides detailed drug descriptions for each disease describedDT Relevant for both ABIM exams and the USMLE Step 3 exams

Organized to present a comprehensive overview of the field of cardiology in an accessible, reader-friendly format that can be covered in about 12 months, this new edition contains roughly 50% new material, the cardiac pharmacology section has been completely reworked, cardiovascular trials have been included, and the entire book has been updated to reflect current practice guidelines and recent developments. The book is peppered throughout with numerous tables and clinical pearls that aid the student, as well as the teacher, to remain focused. An intense, streamlined review for the gastroenterology board exam Gatroenterology and Hepatology Board Review: Pearls of Wisdom, 3e is a unique question and single-answer review for gastroenterology in-service and board exams. The book features about 3,500 questions with only the correct answer provided, reinforcing the answer students need to remember on exam day. Emphasis is placed on distilling key facts and clinical pearls essential for exam success. Features NEW chapter organization by anatomy to help pinpoint areas of weakness FULL COLOR image gallery NEW chapters on Radiography and Endoscopy

How to Prevent and Treat Common Stomach and Gut Problems

Mayo Clinic Neurology Board Review: Basic Sciences and Psychiatry for Initial Certification

Gastroenterology and Hepatology Board Review: Pearls of Wisdom, Third Edition

Mayo Clinic Gastrointestinal Imaging Review

Mayo Clinic Neurology Board Review

Mayo Clinic on Digestive HealthHow to Prevent and Treat Common Stomach and Gut ProblemsRosetta Books

FULL COLOR THROUGHOUT WITH COLOR TABS FOR EASE OF NAVIGATION230 QUESTIONS AND ANSWERSMayo Clinic Internal Medicine Board Review builds on years of knowledge, refinement, and expertise from Mayo Clinic's Department of Medicine to provide the latest information necessary to prepare for the American Board of Internal Medicine (ABIM) Certification and Maintenance of Certificationexaminations. In the 12th edition, new chapters on Physician Well-Being and Hospital Internal Medicine join a wide array of concise chapters that review focused subjects within each specialty.An authoritative resource, this book provides a succinct review of allergy, cardiology, endocrinology, gastroenterology and hepatology, general internal medicine, hematology, infectious diseases, nephrology, oncology, psychiatry, pulmonology, and rheumatology. This all-inclusive and easy-to-use volume includes questions and answers at the end of each section and a reader-friendly format that makes it the perfect study companion for anyone preparing to certify in internal medicine or seeking to provide state-of-the-art care to patients. Key features of the 12th EditionDT Concise preparatory material that also provides didactic reference materialDT Key points are in bold throughout and repeated for emphasisDT Provides detailed drug descriptions for each disease describedDT Relevant for both ABIM exams and the USMLE Step 3 exams

Similar to the first edition, the goal of Mayo Clinic Gastrointesinal Imaging Review, 2nd Edition is to provide an atlas of common abnormalities that affect the gastrointestinal tract. This comprehensive review includes all imaging modalities used within GI radiology, as well as plain radiographs, fluoroscopy, ultrasound, CT, MR, angiography, and nuclear medicine. Focusing solely on adult medicine, the book is divided into 13 chapters covering a separate organ within the gastrointestinal system and a final exam chapter reviewing all chapter content. Each organ-focused chapter is subdivided into sections related to diseases or findings of that organ. Running headers allow the reader to rapidly identify the chapter and the section being viewed. Large, high-quality images are presented in a format so that they can be reviewed as unknowns. A discussion of the cases is presented as if it were a consultation-- with a description of the findings, differential diagnosis, and final diagnosis. A brief discussion of the disease is included. Emphasis is placed on brevity of the text and a single-page layout for all but a few cases. Study guides at the end of each section are in the form of tables summarizing major radiographic findings into differential considerations with brief imaging clues to a specific diagnosis and case references within the book. The end of each chapter lists differential diagnoses for the chapter's specific organ. Full-color composite anatomical illustrations show the immediately obvious appearance of common conditions that correlate with major radiologic findings.

Yamada's Textbook of Gastroenterology has for 20 years been the most comprehensive gastroenterology reference book, combining an encyclopaedic basic science approach to GI and liver disease with the latest clinical thinking, especially in diagnostic and therapeutic developments. It is universally respected across the globe. The original outstanding editorial team was led by Tadataka Yamada, MD, one of the world's leading figures in GI research. As in previous editions, the new textbook reflects the collective efforts of the editors and a hugely impressive team of contributors, who are each experts in their specific areas. Now with another world leader in gastroenterology as Editor-in-Chief, Daniel K. Podolsky MD, President and Professor of Internal Medicine at the University of Texas Southwestern Medical Center, together with

a stellar group of associate editors, the 6th edition of this iconic textbook has been expanded and enhanced in many ways with new content and technology.

Basic Sciences and Psychiatry for Initial Certification

Mayo Clinic Neurology Board Review: Clinical Neurology for Initial Certification and MOC

Mayo Clinic Critical and Neurocritical Care Board Review

Mayo Clinic on Digestive Health

Mayo Clinic Electrophysiology Manual

New from Mayo Clinic--the essential guide to living gluten-free. Whether diagnosed with celiac disease or just deciding if a gluten-free diet is right for you, Mayo Clinic Going Gluten-Free will help you create and maintain a gluten-free lifestyle. Both authoritative and approachable, the book includes core medical information on celiac disease in addition to focusing on practical, everyday issues, such as: --Determining if gluten-free is right for you --Common signs, symptoms and myths of celiac --Dealing with celiac if you have it --Living with celiac while traveling, during the holidays, on-the-go and at college --Helping your child manage a gluten-free diet --Properly reading and understanding food labels --A few recipes and meals to jumpstart your gluten-free life Gastroenterology and Hepatology encompass a vast anatomical assortment of organs with diverse structure and function and the potential for affliction from a multiplicity of diseases. Completely covering these complex and interrelated systems, Mayo Clinic Gastroenterology and Hepatology Board Review provides an in-depth examination of essential knowledge in gastroenterology, hepatology, and the integral related areas of pathology, endoscopy, nutrition, and radiology. With contributions from experts at Mayo Clinic, this book is a comprehensive, up-to-date, and practical resource for anyone preparing to take the gastroenterology board examination.

Mayo Clinic Infectious Disease Case Review is a comprehensive collection of case studies covering a wide array of infectious diseases. This volume addresses many common illnesses that primary care clinicians and infectious diseases specialists will see during their practice. With a focus on epidemiology, the investigative study of each case addresses laboratory tools to be used and how to interpret the results. This volume contains: - 54 unique case vignettes - Highlighted key takeaways for each case - Practice questions and answers for each case

Infectious Disease Case Review collects some of the most experienced voices in the field. Coming from different areas of expertise in the specialty of epidemiology, the authors of this volume robustly investigate and examine specific infection syndromes. This book will be useful to busy clinicians for their treatment of different infectious diseases in their daily practice, as well as for those interested in evaluating their knowledge and familiarity with infectious diseases.

"In this book, we all the best of health care professionals. Many believe burnout to be the result of individual weakness when, in fact, burnout is primarily the result of health care systems that take emotionally healthy, altruistic people and methodically squeeze the vitality and passion out of them. Burned-out professionals are exhausted, jaded, demoralized, and isolated, and they have lost their sense of meaning and purpose. Frequently, these individuals are shamed and blamed by leaders who suggest that they are not resilient even as they expect them to work harder, see more patients, embrace rapidly changing technology, stay abreast of new medical advances, and provide quality health care"--Provided by publisher.

Mayo Clinic General Surgery

Mayo Clinic Antimicrobial Therapy

Quick Guide

Mayo Clinic Family Health Book

"The cerebrospinal vasculature originates at the aortic arch. The right brachiocephalic artery divides into the right common carotid artery and the right subclavian artery. The left common carotid and left subclavian arteries arise directly from the aortic arch. The 2 common carotid arteries bifurcate into the internal and external carotid arteries. The anterior circulation of the brain includes the distal branches from the internal carotid artery, including the anterior cerebral artery and the middle cerebral artery. The vertebral arteries arise from the subclavians and join at the pontomedullary junction, forming the basilar artery. The vertebrobasilar system and distal branches are commonly known as the posterior circulation of the brain"--

Mayo Clinic Principles of Shoulder Surgery provides the basic principles and foundational knowledge for this orthopedic specialty in a concise and easy-to-use manner. The book, written by a well-seasoned surgeon with years of experience training residents and fellows, pulls together a comprehensive reference for interdisciplinary use, relevant to many fields including sports medicine, rheumatology, and rehabilitation. Dr. Sanchez-Sotelo covers an array of topics starting with history taking, the physical examination, the use and understanding of advanced imaging techniques, and planning with relevant transfers, tendon transfers, and replacement, all visually enhanced with relevant videos. This book is the perfect resource for all medical libraries, whether you are a student, primary care physician, physical therapist, or allied health professional. Key Features of Mayo Clinic Principles of Shoulder Surgery -Highly illustrated with detailed figures and tables throughout and a key point summary boxes at the end of every chapter to improve comprehension -Includes over 40 videos of the most common procedures performed by an orthopedic surgeon -Each chapter includes a color coded tab to facilitate easy navigation at-a-glance -Organized into concise chapters for quick review

Mayo Clinic General Surgery is a concise text that aims to provide learners with knowledge crucial to the development of surgical skill. Featuring nearly 200 "challenge" questions designed to reveal the gaps in your surgical knowledge and over 200 instructional videos, with accompanying video stills and transcripts, this book offers multiplatform educational content in a learner-friendly format. Contents include surgery by organ system, such as the esophagus and colon, and a special chapter for trauma assessment. Each chapter contains information on the organ system, including embryology, anatomy, and physiology, as well as clinical presentations and imaging techniques. Finally, every chapter offers descriptions of operations and potential postoperative complications. Dr. Farley and his coauthors present the core concepts of general surgery instruction at Mayo Clinic, offering a unique glimpse at surgical training in this world-renowned institution. This book provides succinct and accurate information in a written, visual, and audiovisual format that allows efficient access to surgical learners-especially those with just a few minutes to spare. Ultimately, the goal is to better prepare students, residents, and fellows for their surgical experiences and lead to better understanding with long-term retention.

Written specifically for anyone preparing for the board for the very first time or those preparing to recertify, this comprehensive board review guide will aid in the preparation for the neurology board certification and re-certification exams. With extensive neuroimaging, illustrations, and neuropathology included, this book eliminates the need for obtaining multiple resources to study for the neurology board examination with high-yield information emphasized to highlight key facts. The book is divided into the basic sciences in Part 1 and clinical neurology in Part 2. It features short, easy-to-read chapters to help the busy resident, fellow, and clinician "on the run." In addition to those people preparing to take, or recertify for, the neurology boards, it will also be useful to medical students and residents rotating through neurology or for the generalist with an interest in reviewing neurology.

Organized by Neurologic System and Level

This question-and-answer companion to Mayo Clinic Internal Medicine Board Review, 10th Edition, tests physicians and physicians-in-training on all relevant material related to the goals set forth by ABIM to ensure the success of internal medicine clinicians. By dividing each chapter according to a major subspecialty and with every question structured as a mock clinical interview, Mayo Clinic Internal Medicine Board Review: Questions and Answers is the perfect study tool for physicians-in-training and practicing clinicians preparing themselves for board examinations in internal medicine. The format of this case-based book was developed to stimulate consideration of the differential diagnosis as the reader reviews the history and examination narratives of each of the 83 cases. Videos of autoimmune movement disorders supplement the clinical descriptions, where pertinent. In addition, test results from radiology, electrophysiology, and laboratory studies are presented, and treatment and outcome data are also included. Clinical pearls and radiologic clues to assist informed diagnostic decision-making are emphasized. Each case is followed by discussion, including therapeutic guidance and key take-home points. More than 150 multiple-choice questions with answers are also given to test readers' comprehension and retention. This new addition to the Mayo Clinic Scientific Press series is a comprehensive volume on neuroimmunology that will stimulate and inform those aiming for clinical mastery.

Arrhythmias in Women: Diagnosis and Treatment draws upon the experience of national leaders in the field of women's heart disease to address the unique aspects involved in the diagnosis and treatment of women with arrhythmias and implantable device therapy. Written by distinguished consultants in the Division of Cardiovascular Diseases of Mayo Clinic, this book provides a concise and up-to-date review of the diagnosis and treatment of atrial and ventricular arrhythmias in women. Additionally, this critical book reviews indications for device therapy and management of device complications in women. It is an essential book for health care providers such as internists, cardiologists, and electrophysiologists.