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2020-11-09

EVERETT MAXIMILLIAN

Laboratory Guide to Vertebrate Dissection for Students of Anatomy Springer Science & Business Media

Depend on Hinman's for up-to-date, authoritative guidance covering the entire scope of urologic surgery. Regarded as the most authoritative surgical atlas in the field, Hinman's Atlas of Urologic Surgery, 4th Edition, by Drs. Joseph A. Smith, Jr., Stuart S. Howards, Glenn M. Preminger, and Roger R. Dmochowski, provides highly illustrated, step-by-step guidance on minimally invasive and open surgical procedures, new surgical systems and equipment, and laparoscopic and robotic techniques. New chapters keep you up to date, and all-new commentaries provide additional insight from expert surgeons. Features 10 new chapters, including Radical Cystectomy in the Male, Robotic Urinary Diversion, Laparoscopic and Robotic Simple Prostatectomy, Transrectal Ultrasound-Directed Prostate Biopsy, Transperineal Prostate Biopsy, Prostate Biopsy with MRI Fusion,

Focal Therapies in the Treatment of Prostate Cancer, Brachy Therapy, Male Urethral Sling, and Botox Injection for Urologic Conditions. Includes new commentaries in every chapter from today's leading urologists. Offers a step-by-step incremental approach, highlighted by new illustrations, photos, and images. Keeps you current with significant revisions to all female sling chapters, urethroplasty chapters, and more. Helps you find what you need quickly with a clear, easy-to-use format - now reorganized to make navigation even easier.

The Necropsy Book CRC Press

Depend on Hinman's for up-to-date, authoritative guidance covering the entire scope of urologic surgery. Regarded as the most authoritative surgical atlas in the field, Hinman's Atlas of Urologic Surgery, 4th Edition, by Drs. Joseph A. Smith, Jr., Stuart S. Howards, Glenn M. Preminger, and Roger R. Dmochowski, provides highly illustrated, step-by-step guidance on minimally invasive and open surgical procedures, new surgical systems and equipment, and laparoscopic and robotic techniques. New chapters keep you up to date, and all-new commentaries provide

additional insight from expert surgeons. Features 10 new chapters, including Radical Cystectomy in the Male, Robotic Urinary Diversion, Laparoscopic and Robotic Simple Prostatectomy, Transrectal Ultrasound-Directed Prostate Biopsy, Transperineal Prostate Biopsy, Prostate Biopsy with MRI Fusion, Focal Therapies in the Treatment of Prostate Cancer, Brachy Therapy, Male Urethral Sling, and Botox Injection for Urologic Conditions. Includes new commentaries in every chapter from today's leading urologists. Offers a step-by-step incremental approach, highlighted by new illustrations, photos, and images. Keeps you current with significant revisions to all female sling chapters, urethroplasty chapters, and more. Helps you find what you need quickly with a clear, easy-to-use format – now reorganized to make navigation even easier.

Cat Dissection Springer Science & Business Media
Introducing the Penn Clinical Manual of Urology. This one-volume reference presents the key clinical information you need to diagnose and treat urologic disorders quickly and effectively. Brief, well-illustrated chapters combine an easy-to-read format with the comprehensive coverage you demand. This is a unique offering that deserves a place on every urologist's shelf. Find information quickly and easily with clearly presented algorithms, tables, and figures—an excellent resource for clinical questions and answers. Get the true high-quality information you expect in an easy access, quick reference format. Brush up or prepare for board review using the self-assessment questions at the end of each chapter.

Penn Clinical Manual of Urology CUP Archive

The only up-to-date compilation of renal methods available, this

book is the definitive resource for any renal researcher eager to stay ahead. *Methods in Renal Toxicology* presents a vast array of methods for the study of renal cellular and tubular structure, function, and biochemistry under physiological, toxicological, and pathological conditions. It provides detailed descriptions in easy-to-understand language of methods designed to enhance your research efforts. *Methods in Renal Toxicology* puts you on the cutting edge with valuable chapters detailing molecular methods and transgene and gene targeting - the most recent approaches to the study of renal toxicology. Overall, the book's topics range from non-invasive assessments of renal function in the whole animal and clinical settings to cellular and molecular approaches. Specifically, the book delves into measurements of clearance and urinary markers, histopathology, and methods to assess renal carcinogenesis, mutagenesis, oxidative stress, mitochondria injury, cellular repair, and drug metabolism and transport. A variety of in vitro methods are also described, including the isolated perfused kidney, micropuncture, microperfusion, microdissection, renal slices, isolated perfused tubules, suspensions of tubules and isolated cells, and primary cell cultures and cell lines. *Methods in Renal Toxicology* is a must-have resource for all renal investigators. Nowhere else can you find concise descriptions of traditional and up-to-the-minute renal toxicology methods in such a practical, well-written single-volume guide.

Kidney Cancer Springer Science & Business Media

SURGICAL PATHOLOGY DISSECTION: AN ILLUSTRATED GUIDE fills the need for a comprehensive, fully illustrated guide to the preparation, dissection, and handling of surgical pathology tissue

specimens. Arranged according to organ system, this practical manual covers the clinically important features of various specimens and lesions. The authors share their wealth of talent and experiences by providing general principles that can be employed to resolve even the most complex problems in dissection and tissue sampling. The descriptive text is enhanced by exclusive, detailed illustrations depicting proper specimen handling techniques that add a unique vitality and multidimensional effect. In addition, each chapter features a section on Important Issues to Address in Your Surgical Pathology Report and references selected for their pertinent coverage of specimen handling for each organ system. "Hruban, Westra, and Isacson, working with a superb medical illustrator (Phelps), did an admirable job in taking the Johns Hopkins' gross room manual and translating it into a practical, concise, and easily accessible guide to contemporary practice in the surgical pathology laboratory... Each specimen also contains a bulleted list of the important factors that need to be included in the surgical pathology report; this list provides clear, rational basis for most of the manipulations of the gross specimens." --Modern Pathology. Fetal Pig Dissection Springer

Although pancreas transplants have been performed for more than 30 years, the last few years have witnessed significant growth in the options available for pancreas transplantation as well as substantial improvements in outcome. It is therefore appropriate that a new text summarize the recent advances and put forth the standard of future care. Transplantation of the Pancreas, edited by Drs. Gruessner and Sutherland fulfills this mission by providing a state-of-the-art, definitive reference work

on pancreas transplantation for transplant surgeons and physicians as well as for endocrinologists, diabetologists, nephrologists, and neurologist. The editors, from the renowned University of Minnesota Transplant Division and the Diabetes Institute, have assembled a group of renowned experts to provide an all inclusive overview of pancreas transplantation. The text features insights on the pathophysiology of diabetes mellitus and the limitations of nontransplant treatments, highlights experimental research and clinical history of pancreas transplantation, and compares and contrasts different surgical procedures. The discussions detail the broad spectrum of posttransplant complications and their treatments, which frequently require skills in general, vascular, and laparoscopic surgery, interventional radiology, critical care, and infectious disease. Chapters on immunosuppression, immunology, pathology, long-term outcome, quality of life, and cost-effectiveness focus on issues unique to pancreas recipients. Evolving areas, such as pretransplant evaluation of pancreas transplant candidates, living donation, and the current status of islet transplantation are discussed. Augmented by more than 280 illustrations, including full color line drawings created exclusively for the text, this book is the standard reference for all transplant professionals as well as all physicians caring for diabetic patients.

Post Mortem Technique Handbook Elsevier Normative Biology, Husbandry, and Models, the third volume in the four volume set, The Mouse in Biomedical Research, encompasses 23 chapters whose contents provide a broad overview on the laboratory mouse's normative biology, husbandry, and its use as a model in biomedical research. This

consists of chapters on behavior, physiology, reproductive physiology, anatomy, endocrinology, hematology, and clinical chemistry. Other chapters cover management, as well as nutrition, probiotics and disease surveillance. There are also individual chapters describing the mouse as a model for the study of aging, eye research, neurodegenerative diseases, convulsive disorders, diabetes, and cardiovascular and skin diseases. Chapters on imaging techniques and the use of the mouse in assays of biological products are also included.

Robotic Renal Surgery Cambridge University Press

This book examines various aspects of the aorta, both healthy and diseased states, in 40 chapters of in-depth research by experts in cardiovascular disease. It begins with chapters on the embryology, anatomy, genetics, and physiology of the aorta along with imaging studies used to visualize its structure. The bulk of the book focuses on acute and chronic disorders such as coarctation of the aorta, inflammatory and connective tissue disorders, acute aortic thrombosis, infections, tumors, related ocular diseases, and various aneurysms and fistulas. In addition, it explores aortic disease in pregnancy, fetal aortic disorders, and aortic trauma in children. The book highlights the epidemiology and natural history as well as medical, endovascular, and surgical treatments for each disease. It also discusses valve repair, 3D printing applications, and the role of multidisciplinary aortic centers. Diseases of the Aorta is an indispensable and authoritative resource for cardiologists, cardiovascular surgeons, interventional radiologists, radiologists, and vascular medicine specialists.

Hinman's Atlas of Urologic Surgery E-Book BoD – Books on

Demand

Despite the rising popularity of the minimally invasive laparoscopic option, open nephron-sparing surgery is still seen by many experts as the 'gold standard' for open surgery for kidney tumors and should remain the first choice for many patients. This challenges the idea that less-invasive therapies are always more desirable than open surgery. Whi

Hayes' Principles and Methods of Toxicology, Sixth Edition Wiley

Contains thorough explanations and descriptions Offers clear informative diagrams and photographs Aimed at pathologists in training, medical students, and mortuary technicians Thoroughly revised 2nd edition includes the most recent guidance to an accurate mortem diagnosis from the Royal College of Pathologists and from the College of American Pathologists

Hinman's Atlas of Urologic Surgery Revised Reprint

Springer Nature

This publication contains contributions from the First Congress of the International Association for the History of Nephrology held on the island of Kos, Greece, in October 1996. The association was founded in 1994 to foster interest, encourage research and disseminate information on the history of nephrology. The text begins with an examination of the origins of nephrology in various medical writings from Greece, Byzantium and the Renaissance. This is followed by an overview of the history of dialysis and the early beginnings of renal transplantation. The concluding section examines early attempts at the conceptualization of the normal kidney, its diseases and metabolic functions. Presenting a wealth of fascinating information, this publication is a sequel to History of Nephrology,

Vol. 14, No. 4-6 (1994) of American Journal of Nephrology.
Transplantation of the Pancreas Springer Science & Business Media

Minimally invasive surgery has impacted the outcomes of surgery more than any technology since the development of sterile technique. The hard science has demonstrated that decrease in wound complications and recovery time has created the biggest gap with open approaches to surgery. The total economic benefit may be unfathomable when looked at comprehensively. Integral to the rise of minimal access and therapeutic techniques in surgery has been the growth of technological improvements over time. Beginning with insufflators, videoscapy, and energy devices, that evolution has continued into the development of tele-surgical devices that feature full articulation of instruments, high-resolution 3-D optics, and computer assisted movement. This has come with controversy – as the dominant manufacturer of robotic assisted devices, Intuitive Surgical, and their generations of da Vinci surgical platforms, holds enough market share to spur cries of monopoly and financial excess. However, with over 3000 world-wide systems in use, and over 6000 peer-reviewed research articles, the impact of robotic surgery cannot be ignored. The current state of data suggests equivalency in most procedures with regard to traditional outcome measures, equal or somewhat elevated costs, with specific areas of superiority. The first section of this textbook, *Surgical Robots*, covers the history, economics, training, and medico-legal aspects of robotic surgery that will be of interest to students, residents, fellows, surgical staff, and administrators or public health specialists who seek to gain a comprehensive background on

robotic surgery, or justification for purchasing a robotic system for their institution. Surgeons will also find this background valuable to their practice, to give context to their procedures so they can better counsel their patients, help with advocating for robotic platform purchases, and proactively prepare themselves for medico-legal issues. The chapter on legal issues will have specific instances of robotic surgery-related lawsuits and their outcomes, a first for robotic surgery texts. The second section of this textbook, *Robotic Procedures*, will contain a comprehensive catalogue of procedures that have been performed robotically in general surgery, gynecology, urology, plastic surgery, cardiothoracic, and otolaryngology. Each author will cover the existing literature, preoperative planning, room and patient setup, steps of the procedure, and postoperative care. Standardized room maps and port placement will help the student, resident, fellow, surgeon or OR Staff to quickly reference these before cases. Each chapter will also cover the specific equipment needs and expected complexity of the procedures, allowing administrators to better gauge how to prepare for, or ration, use or their robotic resources. The final section, *Future of Robotics*, will give the entire scope of audience a look into what exciting advancements in the field are on the horizon. This textbook is a complete resource for robotic-assisted minimally invasive surgery, covering the history, current state, technical and clinical aspects, and future considerations that may be of interest to any who has a role, stake, or curiosity regarding robotic surgery.

Surgical Techniques for Kidney Cancer Jaypee Brothers Medical Publishers

As its title indicates, this is a book for use in a practical comparative anatomy course. It is intended for a somewhat unusual class of student, and consequently its contents, outlook, and method of treatment are unlike those of the standard texts in this subject. As stated in the preface, it is assumed that the student has already done a course in elementary zoology, including the usual vertebrate types, and has also examined in more detail a mammal. Unless this mammal were man, a number of comparisons in the book would be missed. To obtain full benefit from it the student should obviously have taken the preliminary medical studies, including a fair amount of human anatomy. This is not meant to imply that the student of advanced zoology cannot get many useful hints and fresh points of view from its pages; he undoubtedly can. The types, treated in a series of regional dissections, are the lamprey, the dogfish (*Squalus*), Necturus, the lizard, and the dog. As it is intended for assistance in dissection, information regarding osteology and the details of the central nervous system have been purposely omitted and, conversely, the muscles are treated somewhat more fully than is customary.

A Reference List of Audiovisual Materials Produced by the United States Government, 1978 Karger Medical and Scientific Publishers

The Dissection of Vertebrates covers several vertebrates commonly used in providing a transitional sequence in morphology. With illustrations on seven vertebrates – lamprey, shark, perch, mudpuppy, frog, cat, pigeon – this is the first book of its kind to include high-quality, digitally rendered illustrations. This book received the Award of Excellence in an Illustrated

Medical Book from the Association of Medical Illustrators. It is organized by individual organism to facilitate classroom presentation. This illustrated, full-color primary dissection manual is ideal for use by students or practitioners working with vertebrate anatomy. This book is also recommended for researchers in vertebrate and functional morphology and comparative anatomy. The result of this exceptional work offers the most comprehensive treatment than has ever before been available. * Received the Award of Excellence in an Illustrated Medical Book from the Association of Medical Illustrators * Expertly rendered award-winning illustrations accompany the detailed, clear dissection direction * Organized by individual organism to facilitate classroom presentation * Offers coverage of a wide range of vertebrates * Full-color, strong pedagogical aids in a convenient lay-flat presentation

Diseases of the Aorta Wiley

This third volume in the series covers such topics as anaesthetics, cannulation and injection techniques, and surgery. The book will be invaluable to fisheries scientists, aquaculturists, and animal biochemists, physiologists and endocrinologists; it will provide researchers and students with a pertinent information source from theoretical and experimental angles.

Transplantation Immunology BoD – Books on Demand

The laboratory guide directs readers through a series of dissection activities for use in the lab accompanied by new, full color photos and figures. The guide can be used as a stand-alone dissection guide or in conjunction with any Anatomy and Physiology Laboratory Manual.

Post-Mortem examinations Newnes

Frequently attempts to design experiments utilizing the methodology described in articles in trade journals can be frustrating. Description of procedures, because of space constraints, are not always complete. The present volume attempts to bring together in one reference source many of the techniques which are utilized in the study of the kidney. It provides a thorough compendium of research tools, framed by the critical analysis of the theoretical background of renal physiology, biochemistry, and pharmacology discussed in Volume 4A. Some areas previously dealt with are not covered from a methodological point of view since adequate information does exist elsewhere (e.g., methods of whole kidney ATPase isolation). Since drugs acting on the kidney may alter not only functional but anatomical integrity, a chapter on the preparation of tissue for morphological studies has been included. The important developments in analysis of minute (ultramicro) quantities of tissue and biological fluids, as well as methodological advances in studies of the isolated kidney, are thoroughly covered. It is my hope that investigators, research fellows, and graduate students will benefit from the information contained in this volume and that, together with its companion tome, it will be a ready reference for the renal physiologist, the renal pharmacologist, and the nephrologist. The contributors have provided painstaking descriptions and, when required, mathematical analyses of the techniques described herein. I wish to thank all of them for their enthusiasm and the excellence of their contributions.

Autopsy Practices Springer Science & Business Media

2. Stone extraction via the T-tube 89 3. Endoscopic method 89 4. Preparation for stone extraction 90 5. Technique 90 6. Results 91

7. Complications 91 8. Discussion 91 Index of Subjects 99
 CHAPTER 1 INTRODUCTION This book was conceived as a descriptive atlas of most reliable indication for common bile duct ex routine biliary surgery i. e. , cholecystectomy and ploration. The cholangioscope allows a visual ex exploration of the common bile duct. For the pro ploration of the biliary tree and permits the re ject the two authors worked together for one week moval of common bile duct calculi and other as biopsy under direct visual con at Ninewells Hospital and Medical School, Dundee procedures such on a series of patients with biliary tract disease trol. Both procedures have been described in detail especially selected for the exercise. With the con with emphasis on the practical aspects of their use. sent of the Tayside Health Board and the patients The era of blind biliary surgery is over and the concerned, all the operations and peri-operative sooner this message is received by all concerned, procedures were filmed by the photographic mem the better the outcome of biliary surgical practice bers of the team, Mr. and Mrs. Paz-Partlow. Ad overall. ditional case material has been obtained from It has not been our intention to produce a com Cedars Sinai Medical Center, Los Angeles.

Renal Pharmacology Springer Science & Business Media
 Surgical Techniques for Kidney Cancer provides a comprehensive review and detailed description of surgical techniques for kidney and adrenal cancer. Through a step by step approach various surgical techniques are covered including radical nephrectomy, partial nephrectomy, and thermal ablation for renal cortical tumors. Each step by step approach is followed by the latest data on outcomes. Furthermore, limitations as well as tips and tricks are detailed in addition to management of common

complications. *Kidney Surgery for Urologists* will be a valuable resource for Urologists, Urological Surgeons, Fellows in Urologic Oncology and Minimally Invasive/Robotic Surgery as well as upper level residents training in Urology.

Renal Transplantation Springer Science & Business Media

Cat Dissection: A Laboratory Guide, 3rd Edition directs readers through a series of dissection activities for use in the lab accompanied by new, full color photos and figures. The guide can be used as a stand-alone dissection guide or in conjunction with any Anatomy and Physiology Laboratory Manual.