The Human Liver A Scanning Electron Microscopic A

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BOOKER KERR

Diseases of the Liver Karger Medical and Scientific Publishers
The premier clinical hepatology reference for 50 years, Schiff's Diseases of the Liver is in its Tenth Edition-- now in full color throughout. This edition features a major new transplant section focusing on pre-transplant and post-transplant evaluation and management. Also included are updates on key topics such as hepatitis, NASH, and drug-induced pathologies. The first third of the book covers anatomy, pathology, testing, imaging, and effects of liver disease on other organs. Subsequent sections address specific diseases and clinical syndromes. Each of the 12 sections begins with an overview, and each chapter starts with an outline of key concepts. Numerous clinical algorithms appear throughout the text.
Cystogenesis Thieme
One reason for failure to cure solid tumors by surgery appears to be the impossibility of controlling metastases that are present but latent at the time of operation. This failure is a common clinical experience with aggressive neoplasms. but it is not always appreciated in tumors with longer survival times. e. g .• breast and colon cancer. In addition. recent evidence indicates that after resection of a primary tumor micrometas tases from it might be enhanced by suppression of immune and reticu loendothelial functions of the host. Other factors, such as increase of coagulability and stress in the perioperative period, can also promote tumor growth. The development of new metastases might be facilitated by cells forced into the circulation during operative manipulations. Such events could be important for the outcome of treatment and it is suggested that preventive measures should be directed to this systemic component of solid tumors. Radical surgery can reduce the number of tumor cells to a subclinical 3 6 stage (10 to 10 cells) in which chemotherapy might be more effective than in advanced stages. Chemotherapy, on the other hand, might aggravate the surgical morbidity by influencing the wound healing pro cess, by decreasing the immune response, and/or by toxicity to the bone marrow and to the gastrointestinal tract, for example.
In Vivo Quantitative Ultrasound Imaging and Scatter Assessments Springer Science & Business Media
Drug-Induced Liver Injury, Volume 85, the newest volume in the Advances in Pharmacology series, presents a variety of chapters from the best authors in the field. Chapters in this new release include Cell death mechanisms in DILI, Mitochondria in DILI, Primary hepatocytes and their cultures for the testing of drug-induced liver injury, MetaHeps an alternate approach to identify IDILI, Autophagy and DILI, Biomarkers and DILI, Regeneration and DILI, Drug-induced liver injury in obesity and nonalcoholic fatty liver disease, Mechanisms of Idiosyncratic Drug-Induced Liver Injury, the Evaluation and Treatment of Acetaminophen Toxicity, and much more. Includes the authority and expertise of leading contributors in pharmacology Presents the latest release in the Advances in Pharmacology series
Color Atlas of Ultrasound Anatomy Karger Medical and Scientific Publishers
This book is an up-to-date, technically detailed yet easy-to-read reference book on current clinical applications of MDCT in small animals. It has been designed to serve as the reference book for all MDCT-users, such as veterinary radiologists, imaging technicians, oncologists, surgeons, and non-radiologist clinicians. Individual chapters on novel clinically important topics include applications in endocrinology, oncology, trauma, and cardiovascular CT, as well as sections on organ-specific pathologies and their CT characteristics. The book will also cover main domains of CT, such as thorax and the trauma imaging. Anatomy, clinical aspects, pathology, and CT signs are integrated to provide the reader with the basis for interpretation of MDCT findings. Many excellent 2D multiplanar and 3D figures illustrating typical CT findings of various conditions will serve as a clinical reference for the reader.
Atlas of Imaging Anatomy Academic Press
The present anatomical atlas concentrates on the early weeks of prenatal development of the human embryo. It comprises more than 800 scanning electron-microscopic pictures of specimens of exclusively human embryos. The three-dimensional appearing illustrations show the development of the external form of the face, neck, trunk and limbs. Besides, the brain and the viscera of the head, neck, thorax, abdomen and pelvis all dissected into layers are represented in their position and spatial form. The juxtaposition of pictures of temporally close developmental stages reveals the changes in the form of the organs. Photographs of the same organic system are usually shown at the same magnification and clearly demonstrate the growth process. Simple outline drawings provided with the principal nomenclature facilitate the orientation within the specimens. A brief introduction to each chapter explains the most significant developmental steps depicted. This atlas is of great interest not only to anatomists, embryologists, histologists and developmental biologists, but also to biologists, biochemists and geneticists. Moreover, it serves as a valuable reference book for clinicians such as gynecologists, obstetricians, pediatric surgeons and pediatric cardiologists.
Basic and Clinical Hepatology Wolters kluwer india Pvt Ltd
Recent advances in surgical procedures for the management of focal liver diseases have greatly increased the demand for diagnostic accuracy. So far these demands have been only partially met by further technical developments such as colour coded duplex sonography, spiral CT and marked improvements in magnetic resonance imaging. It is becoming increasingly clear that liver specific contrast media are essential for utilizing these technical developments to their fullest advantage in patient care. Against this background, a workshop was held to explore the current methods of diagnostic imaging of the liver and to try and establish a profile for the future liver specific contrast media. The pathologist's introductory and general overview is followed by chapters on the individual imaging procedures such as ultrasound, CT and MRI, so that each of the three is given the attention it deserves. The book will be of interest to radiologists from the various disciplines, and also those who plan and perform therapies, particularly surgeons and internists.
The Liver Elsevier Health Sciences
A guide to the techniques and analysis of clinical data. Each of the seventeen sections begins with a drawing and biographical sketch of a seminal contributor to the discipline. After an introduction and historical survey of clinical methods, the next fifteen sections are organized by body system. Each contains clinical data items from the history, physical examination, and laboratory investigations that are generally included in a comprehensive patient evaluation. Annotation copyrighted by Book News, Inc., Portland, OR
Body MDCT in Small Animals Elsevier Health Sciences
Autosomal Dominant Polycystic Kidney Disease (ADPKD) is a highly prevalent hereditary renal disorder in which fluid-filled cysts are appeared in both kidneys. Main causative genes of ADPKD are PKD1 and PKD2, encoding for polycystin-1 (PC1) and polycystin-2 (PC2) respectively. Those proteins are localized on primary cilia and function as mechanosensor in response to the fluid flow, translating mechanistic stimuli into calcium signaling. With mutations either of PKD1 or PKD2, hyper-activated renal tubular epithelial cell proliferation is observed, followed by disrupted calcium homeostasis and aberrant intracellular cyclic AMP (cAMP) accumulation. Increased cell proliferation with fluid secretion leads to the development of thousands of epithelial-lined, fluid-filled cysts in kidneys. It is also accompanied by interstitial inflammation, fibrosis, and finally reaching end-stage renal disease (ESRD). In human ADPKD, the age at which renal failure typically occurs is later in life, however no specific targeted medications are available to cure ADPKD. Recently, potential therapeutic targets or surrogate diagnostic biomarkers for ADPKD are proposed with the advances in the understanding of ADPKD pathogenesis, and some of them were attempted for clinical trials. Herein, we will summarize genetic and epi-genetic molecular mechanisms in ADPKD progression, and overview the currently available biomarkers or potential therapeutic reagents suggested.
Clinical Methods Springer
Bridging the gap between basic scientific advances and the understanding of liver disease — the extensively revised new edition of the premier text in the field. The latest edition of The Liver: Biology and Pathobiology remains a definitive volume in the field of hepatology, relating advances in biomedical sciences and engineering to understanding of liver structure, function, and disease pathology and treatment. Contributions from leading researchers examine the cell biology of the liver, the pathobiology of liver disease, the liver’s growth, regeneration, metabolic functions, and more. Now in its sixth edition, this classic text has been exhaustively revised to reflect new discoveries in biology and their influence on diagnosing, managing, and preventing liver disease. Seventy new chapters — including substantial original sections on liver cancer and groundbreaking advances that will have significant impact on hepatology — provide comprehensive, fully up-to-date coverage of both the current state and future direction of hepatology. Topics include liver RNA structure and function, gene editing, single-cell and single-molecule genomic analyses, the molecular biology of hepatitis, drug interactions and engineered drug design, and liver disease mechanisms and therapies. Edited by globally-recognized experts in the field, this authoritative volume: Relates molecular physiology to understanding disease pathology and treatment Links the science and pathology of the liver to practical clinical applications Features 16 new “Horizons” chapters that explore new and emerging science and technology Includes plentiful full-color illustrations and figures The Liver: Biology and Pathobiology, Sixth Edition is an indispensable resource for practicing and trainee hepatologists, gastroenterologists, hepatobiliary and liver transplant surgeons, and researchers and scientists in areas including hepatology, cell and molecular biology, virology, and drug metabolism.
A Radioisotope Method of Visualization of Blood Pools Infobase Publishing
Hepatitis is an inflammation of the liver brought on by viral infections, autoimmune diseases, alcohol abuse, exposure to toxins, or other causes.
Contrast Agents in Liver Imaging John Wiley & Sons
A fully synthesized practical approach to hepatocellular cancer (HCC) patient management by members of the university of Pittsburgh's renowned Liver Cancer Center. Their presentation includes all the latest developments in the diagnosis and treatment of primary liver cancer. A summary chapter details for physicians the diagnostic and therapeutic decision making process for dealing with such problems as incidental tumors in the liver transplant, the role of neo-adjuvant chemotherapy, intra-arterial vs. intravenous therapy, the uses of embolization, and the significance of portal vein thrombus. Authoritative and highly practical, Hepatocellular Cancer: Diagnosis and Treatment captures for physicians the recent exciting changes that in our understanding, diagnostic methods, novel therapeutics, and day-to-day management of hepatocellular cancer.
The Liver Igaku-Shoin Medical Publishers
This state-of-the-art book concentrates in one volume our current knowledge on the cardiovascular complications of liver disease. This easy-to-read work provides a better understanding of the pathogenesis and consequences of portal hypertension and establishes a physiological basis for its pharmacological treatment. It examines the effect of liver disease on volume regulation, the activity of the sympathetic nervous system, and the processes involved in capillary fluid exchange. It includes a discussion on volume and sodium regulation, as well as atrial natriuretic peptide. It also covers the effects of different classes of drugs such as alcohol, sympathomimetics, diuretics, and hormones on the cardiovascular system in liver disease. This reference manual is an absolute must for all clinicians and researchers with an interest in the cardiovascular system in liver disease.
Hepatocellular Carcinoma Lippincott Williams & Wilkins
Liver Cancer provides the general surgeon, surgical oncologist, and medical oncologist with the most current standard of multimodality care for hepatobiliary cancer. Surgical approaches, chemotherapy, immunotherapy, gene therapy, and radiotherapy are all presented.
Die Leber Des Menschen, the Human Liver Springer Science & Business Media
This open access book deals with imaging of the abdomen and pelvis, an area that has seen considerable advances over the past several years, driven by clinical as well as technological developments. The respective chapters, written by internationally respected experts in their fields, focus on imaging diagnosis and interventional therapies in abdominal and pelvic disease; they cover all relevant imaging modalities, including magnetic resonance imaging, computed tomography, and positron emission tomography. As such, the book offers a comprehensive review of the state of the art in imaging of the abdomen and pelvis. It will be of interest to general radiologists, radiology residents, interventional radiologists, and clinicians from other specialties who want to update their knowledge in this area.
Scheuer's Liver Biopsy Interpretation Springer Science & Business Media
An ideal resource for the classroom or clinical setting, Sectional Anatomy for Imaging Professionals, 4th Edition provides a comprehensive, and highly visual approach to the sectional anatomy of the entire body. Side-by-side presentations of actual diagnostic images from both MRI and CT modalities and corresponding anatomic line drawings illustrate the planes of anatomy most commonly demonstrated by diagnostic imaging. Easy-to-follow descriptions detail the location and function of the anatomy, while clearly labeled images help you confidently identify anatomic structures during clinical examinations. In all, it’s the one reference you need to consistently produce the best

possible diagnostic images. Side-by-side presentation of anatomy illustrations and corresponding CT and MRI images clarifies the location and structure of sectional anatomy. More than 1,500 high-quality images and detailed line drawings demonstrate sectional anatomy for every body plane commonly imaged in the clinical setting. Updated summary tables are used to simplify and organize key information in each chapter. CT or MR images of special interest are featured on the opening page in each chapter to pique readers' interest in the area about to be covered in the text. Reference drawings and corresponding scanning planes appear on appropriate pages with the actual images, so they are easily referenced for correlation between the scanning planes and the resulting images. Introductory chapter lays a foundation of the terminology that is related to sectional anatomy. NEW! Updated content reflects the latest ARRT and ASRT curriculum guidelines. NEW! Additional lymphatic system images give readers a better picture of this nuanced body system. NEW! Additional pathology boxes help readers connect commonly encountered pathologies to related anatomy for greater diagnostic accuracy. NEW! Updated line art familiarizes readers with the latest 3D and vascular imaging technology. NEW! 2-color design makes difficult content easier to digest.

The Liver Elsevier Health Sciences

Written for the modern medical student and designed to accompany any current gross anatomy textbook, this brand-new pictorial handbook presented by Drs. Vilensky, Weber, Carmichael, and Sarosi lets you quickly identify pathologic correlates of gross anatomy. Abundant side-by-side high-quality radiography, MR, CT, and ultrasound images of normal and pathologic conditions help you quickly develop the skills you need to differentiate between what's normal and what's not. Discussions on the choice of imaging modality for various pathologies will help you select the right imaging procedure in many clinical situations, making this a handy resource in the clinical environment. But best of all, this visual approach to pathologic correlates will help you ace your courses, the USMLE and NBME final exams. . Features side-by-side radiography, MR, CT, and ultrasound images that illustrate normal and abnormal anatomy, helping you quickly identify conditions while improving your diagnostic skills. . Covers clinical conditions found in the main core of textbooks and radiologically depicts the clinical correlates that you're exposed to daily, making it the ideal companion resource for any medical gross anatomy course. . Uses concise, brief text that explains the condition, thus allowing the radiologic images to guide you to the differentiating factors. . Incorporates discussions of imaging modality choices for a range of pathologies to help you understand how to select imaging procedures for various clinical situations in the clinical environment. . Offers the visual guidance you need to study for and pass your exams.

Progress in Medical Radioisotope Scanning Springer Science & Business Media

This book is designed to meet the needs of radiologists and radiographers by clearly depicting the anatomy that is generally visible on imaging studies. It presents the normal appearances on the most frequently used imaging techniques, including conventional radiology, ultrasound, computed tomography, and magnetic resonance imaging. Similarly, all relevant body regions are covered: brain, spine, head and neck, chest, mediastinum and heart, abdomen, gastrointestinal tract, liver, biliary tract, pancreas, urinary tract, and musculoskeletal system. The text accompanying the images describes the normal anatomy in a straightforward way and provides the medical information required in order to understand why we see what we see on diagnostic images. Helpful correlative anatomic illustrations in color have been created by a team of medical illustrators to further facilitate understanding.

The Anatomy of the Human Embryo Springer

This book is a comprehensive atlas of the normal human anatomy as viewed through common imaging modalities. The text is organised by regions. With clearly labelled images, the book will help in achieving a clear understanding and interpretation of diagnostic radiologic images, the rationale being that pathological images can be interpreted only after knowing the normal anatomy. The atlas will not only be an ideal book for undergraduate and postgraduate students of medical and dental fields by aiding them to grasp sectional anatomy, the physicians too would find it extremely useful as a reference in their clinical practice.

Biopathology of the Liver Springer

Bridging the gap between basic scientific advances and the understanding of liver disease — the extensively revised new edition of the premier text in the field. The latest edition of The Liver: Biology and Pathobiology remains a definitive volume in the field of hepatology, relating advances in biomedical sciences and engineering to understanding of liver structure, function, and disease pathology and treatment. Contributions from leading researchers examine the cell biology of the liver, the pathobiology of liver disease, the liver's growth, regeneration, metabolic functions, and more. Now in its sixth edition, this classic text has been exhaustively revised to reflect new discoveries in biology and their influence on diagnosing, managing, and preventing liver disease. Seventy new chapters — including substantial original sections on liver cancer and groundbreaking advances that will have significant impact on hepatology — provide comprehensive, fully up-to-date coverage of both the current state and future direction of hepatology. Topics include liver RNA structure and function, gene editing, single-cell and single-molecule genomic analyses, the molecular biology of hepatitis, drug interactions and engineered drug design, and liver disease mechanisms and therapies. Edited by globally-recognized experts in the field, this authoritative volume: Relates molecular physiology to understanding disease pathology and treatment Links the science and pathology of the liver to practical clinical applications Features 16 new "Horizons" chapters that explore new and emerging science and technology Includes plentiful full-color illustrations and figures The Liver: Biology and Pathobiology, Sixth Edition is an indispensable resource for practicing and trainee hepatologists, gastroenterologists, hepatobiliary and liver transplant surgeons, and researchers and scientists in areas including hepatology, cell and molecular biology, virology, and drug metabolism.

Suspensions of Radioalbumin Aggregates for Photoscanning the Liver, Spleen, Lung and Other Organs Academic Press

Trusted for more than 50 years by pathologists in practice and in training, Scheuer's Liver Biopsy Interpretation is a well-organized, superbly illustrated guide designed to help solve diagnostic problems at the microscope. Authored by renowned expert Dr. Jay Lefkowitch and reflecting the extensive experience of the late Dr. Peter Scheuer, this practical text contains technical tips, diagnostic clues, and pearls on all aspects of liver pathology diagnosis, including acute and chronic hepatitis, biliary tract diseases, childhood disorders, and hepatic neoplasms – as well as ancillary topics such as biopsy assessment, laboratory techniques, normal liver histology, and transplantation. Throughout the text, histopathologic features are correlated with clinical features, molecular genetics, and immunohistochemistry to provide a practical account of how pathology impacts the diagnosis and management of liver disease. Covers key topics such as genomic alterations in liver tumours, diagnosis of acute liver allograft rejection, scoring systems for non-alcoholic fatty liver disease, and discussions of immunohistochemical features wherever relevant. Presents the latest information on next generation sequencing and drug-induced liver injury, including adverse reactions to new biologics and alternative medicines to help both the clinician and pathologist avoid diagnostic errors. Features many new illustrations, including over 300 large, full-color and fully annotated photomicrographs that illustrate a wide range of pathologic appearances and help identify each diagnostic entity under discussion. Offers coverage of cytopathology in the assessment of liver tumors to provide further clinical clues to diagnosis. Provides basic overview of major histopathologic diagnostic problems in paediatric liver biopsy, including biliary atresia and several types of progressive familial intrahepatic cholestasis Provides new and updated algorithms, tables and images highlighting key features of each diagnostic entity – ideal as a concise review during sign out or for studying and board preparation.