

## Nobuaki Notohara Ebook

[Recent advances in Pancreatology Diseases of the Gallbladder IgG4-Related Sclerosing Cholangitis IgG4-Related Disease Thyroid and Parathyroid Ultrasound and Ultrasound-Guided FNA Evaluation and Management of Liver Masses Neuroradiological Imaging of Skin Diseases and Related Conditions Pancreatic Cancer Cross-Sectional Imaging of the Abdomen and Pelvis Hepatobiliary Cancer Neurorheumatology Pathology of the Pancreas Teaching Atlas of Hepatobiliary and Pancreatic Imaging Uterine Myoma, Myomectomy and Minimally Invasive Treatments Pediatric Hepatology and Liver Transplantation Systemic Fibroinflammatory Disorders Drug-Induced Liver Injury The Russian Revolution: A Very Short Introduction Molecular Diagnosis and Targeting for Thoracic and Gastrointestinal Malignancy Targeted Therapy of Colorectal Cancer Subtypes History of the Pancreas: Mysteries of a Hidden Organ Tumors and Tumor-Like Lesions of the Hepatobiliary Tract Molecular Applications in Cytology Interpretation of Endoscopic Biopsy - Gastritis, Gastropathies and Beyond Liver Immunology Management of Benign Biliary Stenosis and Injury A Woman in Berlin Rare Rheumatic Diseases of Immunologic Dysregulation Alexander the Great Blaustein's Pathology of the Female Genital Tract Diagnostic Thoracic Pathology Sounds, Societies, Significations 50 Psychology Classics The Invention of Russia Liver Pathology Histological Typing of Tumours of the Exocrine Pancreas FISH DISEASES Oncological Surgical Pathology Advances in Medicine and Medical Research Histopathology Specimens](#)

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[Oncological Surgical Pathology Aug 24 2019](#) This text provides the necessary tools and up-to-date information on the morphological approach and most current use of ancillary techniques in the diagnosis and treatment of malignant tumors. The work is divided by sub specialty areas so that the reader can easily obtain the information desired. Features of histopathological lesions are presented in each area, as well as an up-to-date use of the different immunohistochemical stains and molecular biology features, when applicable, which are commonly used to determine treatment modalities. All sub specialty sections are written by sub specialty pathologists with experience in tumor pathology and who work in a cancer center. Each chapter is richly illustrated and properly referenced. Oncological Surgical Pathology will be of use not only for pathologists (including pathology residents and fellows), but also for oncological surgeons, oncologists and interventional radiologists.

[Rare Rheumatic Diseases of Immunologic Dysregulation Jul 04 2020](#) This book is a practical, user-friendly guide for diagnosing and treating patients with rare rheumatic diseases of immunologic dysregulation. Covering uncommon diseases such as IgG4-Related Disease, Castleman's Disease, and Felty Syndrome, chapters aggregate information from case reports and anecdotal literature to create a single, comprehensive handbook for treating patients. Each chapter provides historical perspective and epidemiology; a literature review (including research trials, translational research, historical and current case reports, and case series); pathogenesis; clinical presentation; laboratory evaluation; imaging; histopathology; treatment; and outcomes. Rare Rheumatic Diseases of Immunologic Dysregulation is an invaluable resource for rheumatologists, rheumatology fellows, and clinical immunologists to better diagnose and treat patients with rare rheumatic diseases.

[Management of Benign Biliary Stenosis and Injury Sep 05 2020](#) This volume covers the pathophysiology, epidemiology, presentation, diagnosis, medical and surgical management of benign biliary stenosis. The book is uniquely structured in a way that allows areas of controversy to be highlighted through the use of a two chapter format for each topic. Each chapter topic is written by an expert in the field, with a second expert highlighting controversies and offering opposing viewpoints and treatment paradigms through a counterpoint chapter immediately following the primary chapter. The volume also features an array of diagrams and illustrations. As an authoritative text on the clinical care of patients with benign biliary stenosis, Management of Benign Biliary Stenosis and Injury: A Comprehensive Guide is a valuable resource for all practitioners involved in the care of these patients, including gastroenterologists, gastrointestinal surgeons, surgical oncologists, and transplant physicians.?

[Sounds, Societies, Significations Feb 29 2020](#) This edited book covers many topics in musicological literature, gathering various approaches to music studies that encapsulate the vivid relation music has to society. It focusses on repertoires and geographical areas that have not previously been well frequented in musicology. As readers will see, music has many roles to play in society. Music can be a generator of social phenomena, or a result of them; it can enhance or activate social actions, or simply co-habit with them. Above all, music has a stable position within society, in that it actively participates in it. Music can either describe or prescribe social aspects; musicians may have a certain position/role in society (e.g., the "popstar" as fashion leader, spokesman for political issues, etc.). Depending on the type of society, music may have a certain "meaning" or "function" (music does not mean the same thing everywhere in the world). Lastly, music can define a society, and it is not uncommon for it to best define a particular historical moment. Case-studies in this work provide visibility for musical cultures that are rarely exposed in the dominant musicological discourse. Several contributions combine musicological analysis with "insider-musician" points of view. Some essays in the collection address the cultural clash between certain types of music/musicians and the respective institutional counterparts, while certain contributing authors draw on experimental research findings. Throughout this book we see how musics are socially significant, and - at the same time - that societies are musically significant too. Thus the book will appeal to musicologists, cultural scholars and semioticians, amongst others.

[Uterine Myoma, Myomectomy and Minimally Invasive Treatments Sep 17 2021](#) Uterine myomas are the most common benign tumors in women, affecting the half of women and mostly in reproductive age. Myomas cause significant morbidity and are the single most common indication for hysterectomy around the world. Thus, myomas represent a major personal and public health concern worldwide. The diagnosis of fibroids can be established based on ultrasound and radiological imaging. Recent research on the genomics and molecular biology of myomas has enabled us to better understand the pathogenesis and pathophysiology of this benign tumor, but more remains to be discovered. In the clinical practice, novel methods of conservative treatments have been developed to allow many women to keep their reproductive capacity and to save uterus, and more novel treatments are available on the horizon. For this topic, an outstanding group of worldwide experts have come together to provide a detailed discussion of basic research and clinical aspects of myomas. All the existing knowledge will be summarized in this book that can serve as a starting point for clinicians, young doctors, students, fellows and all researchers who want to read up on this disease. This book is devoted to myomas, covering both recent advances in our understanding of their behaviour, and an overview of the current options for their minimally invasive treatments, with endoscopy and new devices. As we learn more about the molecular, genetic and biology of myomas, we will be able to develop more innovative treatments.

[Neurorheumatology Dec 21 2021](#) This detailed, practical textbook focuses on immune mediated disorders of the nervous system with particular focus on systemic autoimmune disorders. Divided into three sections, the first discusses the neuroanatomical and pathophysiological basis of immune mediated disorders of the nervous system. Following this are 25 chapters devoted to individual clinical conditions. To conclude, the final section explains what is known about the mechanisms of immunomodulatory treatments and practical points about monitoring patients on these treatments. Neurorheumatology: A Comprehensive Guide to Immune Mediated Disorders of the Nervous System bridges the gaps among different branches of medicine and is an indispensable resource for rheumatologists and neurologists looking to develop a firm understanding of these dynamic disorders

[Alexander the Great Jun 02 2020](#) "Alexander's behavior was conditioned along certain lines -- heroism, courage, strength, superstition, bisexuality, intoxication, cruelty. He bestrode Europe and Asia like a supernatural figure." In this succinct portrait of Alexander the Great, distinguished scholar and historian Norman Cantor illuminates the personal life and military conquests of this most legendary of men. Cantor draws from the major writings of Alexander's contemporaries combined with the most recent psychological and cultural studies to show Alexander as he was -- a great figure in the ancient world whose puzzling personality greatly fueled his military accomplishments. He describes Alexander's ambiguous relationship with his father, Philip II of Macedon; his oedipal involvement with his mother, the Albanian princess Olympias; and his bisexuality. He traces Alexander's attempts to bridge the East and West, the Greek and Persian worlds, using Achilles, hero of the Trojan War, as his model. Finally, Cantor explores Alexander's view of himself in relation to the pagan gods of Greece and Egypt. More than a biography, Norman Cantor's Alexander the Great is a psychological rendering of a man of his time.

[Systemic Fibroinflammatory Disorders Jul 16 2021](#) This book provides detailed information on the nosology, pathology, pathogenesis, clinical presentation, diagnosis and treatment of fibro-inflammatory disorders, rare diseases that often display systemic organ involvement. Among the conditions considered are IgG4-related disease, sclerosing cholangitis, Hashimoto's and Riedel's thyroiditis, retroperitoneal fibrosis/chronic periaortitis, mediastinal fibrosis, Erdheim-Chester disease, gadolinium-induced fibrosis, and sclerosing mesenteritis. This group of entities is still poorly defined and is characterized by the common denominator of chronic inflammatory infiltrate admixed with abundant fibrosis. IgG4-related disease is the prototypical example. Systemic Fibroinflammatory Disorders is the first book to draw together information on these conditions. As these diseases often require an interdisciplinary approach, the book is addressed to specialists of different disciplines, especially internists, rheumatologists, nephrologists, clinical immunologists, and hematologists.

[History of the Pancreas: Mysteries of a Hidden Organ Feb 08 2021](#) Never before has a comprehensive history of the pancreas like History of the Pancreas been published. It not only is a historical review of the science of medicine, it is liberally interspersed with anecdotal vignettes of the researchers who have worked on this organ. Much of it, such as the discovery of the duct of Wirsung, of the islets of Langerhans, of insulin, gastrin and their tumors, reads like the adventure, which it is. This book, divided into 14 chapters, is written in a narrative style and is easily readable, as glimpses of the investigators, those who failed as well as those who succeeded, adds both perspective and human interest. Each chapter is completely referenced, totaling over 1500 references. As a reference book for students, teachers, investigators, writers, its detailed historical documentation is unique. From the pre-Christian era of Asia Minor, to Greece, Rome, Europe and America, to the explosive progress in Japan, the history is there. History of the Pancreas: Mysteries of a Hidden Organ fills a gap.

[A Woman in Berlin Aug 05 2020](#) A wartime journal by a reporter and editor living through the Russian occupation of Berlin includes her observations of resident survival in the face of starvation, no water, and freezing conditions; the mass rapes endured by the city's women; and the corruption of Berlin citizens by their Russian occupiers. Reprint. 35,000 first printing.

[IgG4-Related Sclerosing Cholangitis Aug 29 2022](#) This book aims to raise awareness of IgG4-related sclerosing cholangitis among practicing physicians and to equip readers with a sound understanding of the principles of diagnosis and treatment. Clinical, serological, and histopathological features are clearly described and imaging appearances on all relevant modalities are illustrated, covering the bile duct and other involved organs. Differential diagnosis from other diseases, including primary sclerosing cholangitis and cholangiocarcinoma, is precisely explained. Information is then presented on all significant current and emerging therapeutic strategies, including steroids, immunosuppressive drugs, and rituximab. Finally, attention is drawn to significant prognostic features. While IgG4-related sclerosing cholangitis is now a widely acknowledged condition, most practitioners are still liable to misdiagnose it owing to a lack of familiarity with its presenting features. This book should help to rectify the situation and will be an asset for all who may encounter the disease in clinical practice.

[Targeted Therapy of Colorectal Cancer Subtypes Mar 12 2021](#) Colorectal cancer (CRC) is a leading cause of cancer-related death worldwide. Recent years have increased significantly our understanding of the genetic alterations that can underlie CRC, but also unraveled the molecular heterogeneity of the disease. Although a simple correlation between genetic pathways, histopathological features and clinical outcome cannot be established, the heterogeneity of CRC is also an opportunity for the development of targeted therapeutic approaches, able to treat an individual tumor with higher efficiency and less toxic side effects. One CRC subtype is characterized by high mutation rates (MSI-H), DNA methylation changes (CIMP-H), mutation in the BRAF oncogene and occurrence of serrated adenomas in the proximal colon. Other groups prevail in the distal colon and consist of either adenomatous polyps with chromosomal aberrations (CIN) and WNT pathway activation, or carry frequent KRAS mutation and metabolic deregulation, or have strong mesenchymal and infiltrative characteristics. Characterization of driver-mutation events in these CRC subgroups has led to the development of specific drugs targeting, for example, the MAPK pathway, but initial clinical trials have revealed unexpected response rates. The collection of chapters in this volume address the biology of specific CRC subtypes and how these may be targeted to improve precision therapy and clinical benefit for the patients.

**Pancreatic Cancer** Mar 24 2022 This handbook details advances in pancreatic cancer research that have a profound and lasting impact on the field. It features the work of authors who are the very best in their respective fields and will have widespread appeal among clinicians, pathologists and basic scientists who are now struggling to understand this complex and rapidly expanding field.

**Diagnostic Thoracic Pathology** Mar 31 2020 This book covers the wide subject of pathological processes that can affect the lung, pleura and mediastinum. It is meant to offer the practicing surgical pathologist as well pathologists in training a practical approach to the diagnosis of the many entities that can be found in the thoracic cavity. The current work covers the whole range of neoplastic and non-neoplastic thoracic pathology subdivided by anatomic site and arranged by family of tumors for neoplastic disease and by etiology or affected structure for non-neoplastic disease. The emphasis of this book lies on a morphological approach to the diagnosis of thoracic pathology, and is supported by information about ancillary techniques and inclusion of generous photomicrographs, tables and illustrations. Diagnostic Thoracic Pathology aims to enhance the interest of the reader in the subject of thoracic pathology and most of all assist surgical pathologists in their daily practice.

**Teaching Atlas of Hepatobiliary and Pancreatic Imaging** Oct 19 2021 Featuring 137 carefully selected cases, this atlas covers virtually every aspect of clinical cross-sectional imaging of the liver, gallbladder, biliary system and pancreas. For the vast majority of the cases, both CT and MR images are included to demonstrate the different features of each lesion. Furthermore, both typical and atypical pathologies are included to facilitate the differential diagnosis in daily clinical practice. Concise yet comprehensive, this atlas includes not only imaging features of the lesions but also the related pathologic and clinical data. It is therefore useful both as a quick guide for practicing radiologists and as a brief textbook for radiologists in training.

**Evaluation and Management of Liver Masses** May 26 2022 This text provides a comprehensive and state-of-the-art overview of the evaluation and management of liver mass lesions. Major topics covered include epidemiology, the use of different imaging modalities in the differential diagnosis of liver lesions, the use of biomarkers and immunohistochemical stains for diagnosis, and treatment of the different types of liver masses. These include hepatocellular adenoma and hepatocellular carcinoma, fibrolamellar carcinoma, cholangiocarcinoma, hemangioma, focal nodular hyperplasia, liver masses in adult patients with congenital heart disease, and other infectious, inflammatory, and cystic lesions of the liver. The volume presents highly practical case presentations of typical patients seen in a clinical hepatobiliary practice. Written by experts from multiple disciplines, Evaluation and Management of Liver Masses is a valuable resource for clinicians and professionals who manage patients with these conditions.

**50 Psychology Classics** Jan 28 2020 Explore the key wisdom and figures of psychology's development over 50 books, hundreds of ideas, and a century of time.

**Blaustein's Pathology of the Female Genital Tract** May 02 2020 New edition includes more than 350 new illustrations and 22 revised chapters. Written by internationally recognized experts. Each entry is structured the same way, from general to more specific information, which allows the reader to quickly access key information in every chapter. Since the publication of the 1/e in 1977, Blaustein's Pathology of the Female Genital Tract has consolidated its position as the leading textbook of gynecological pathology. An essential reference for all pathologists and residents, this thoroughly updated Sixth Edition includes more than 1500 illustrations in color, 1

**Pathology of the Pancreas** Nov 19 2021 Pathology of the Pancreas: A Practical Approach covers all the diagnostic entities in adult pancreatic pathology, providing extensive illustrations and tables to assist the pathologist at the time of diagnostic reporting of histological and cytological specimens. Potential pitfalls and mimics in pancreatic pathology are highlighted and illustrated, and guidance is provided regarding how to recognize and avoid them. Pathology of the Pancreas: A Practical Approach enables the pathologist to recognize the various pathological entities and provide the key information in their pathology reports, which is necessary for the individual patient's further management. It is based on the most recent diagnostic algorithms, international consensus guidelines, and systems for disease classification, staging and grading. Clinical information is also included, where it is important for the multidisciplinary team management discussion. Pathology of the Pancreas: A Practical Approach is a bench book for everyday use beside the microscope and provides the diagnostic pathologist with a comprehensive, well-illustrated and extensively cross-referenced approach to pancreatic pathology.

**Molecular Applications in Cytology** Dec 09 2020 This book is intended for practicing pathologists and cytopathologists, as well as for pathology trainees and cytotechnicians. It starts with a detailed description of the extremely important pre-analytical phase for molecular testing followed by a presentation of the key tests and their application in different organs, e.g. the lung or thyroid. Step-by-step instructions for the different assays, reporting and clinical integration of the test results are discussed. The authors help the reader to benefit from their experiences by providing a valuable tool for the implementation of these techniques in daily practice. Though the use of molecular techniques is well established in surgical biopsies, to date they are not widely used in connection with cytological material. However, in some fields like lung cancer or aspirates from the pancreas and biliary tract the only available material for diagnosis is the cytological preparation a fact that has created a need for the standardization of molecular techniques on cytology.

**Histopathology Specimens** Jun 22 2019 Covering anatomical, clinical, pathological and laboratory aspects of surgical histopathology specimens, Histopathology Specimens: Clinical, Pathological and Laboratory Aspects, Second Edition relates specimen dissection and its clinical context to relevant histopathology reports, and therefore a more comprehensive patient prognosis and management is possible. Histopathology Specimens: Clinical, Pathological and Laboratory Aspects, Second Edition explains pathological and clinical terminology, including a glossary of clinical request form abbreviations. A standardised step-wise approach to specimen handling is illustrated with simple line diagrams and highlights essentials of the histopathology report, relating them to appropriate specimen dissection. The integrated multidisciplinary team approach taken to the modern clinical management of patients is reflected by correlating patient presentation, diagnostic and staging investigations with histopathology specimens. Current WHO and TNM tumor classifications are referenced. Histopathology Specimens: Clinical, Pathological and Laboratory Aspects, Second Edition will be of educative value and act as a reference tool for the medical undergraduate student, medical trainee in histopathology and the biomedical scientist, and as a useful aide memoire for the histopathology consultant.

**Histological Typing of Tumours of the Exocrine Pancreas** Oct 26 2019 This is a histological classification of tumours and tumour-like lesions of the exocrine pancreas which also includes those tumours showing a mixture of exocrine and endocrine elements. The classification is based principally on standard microscopic observations, but whenever indicated it incorporates diagnostically valuable immunohistological findings. In addition, the most important immunohistological findings which are helpful in categorizing pancreatic tumours are summarised in Table 1. The major guideline of this classification scheme is the grouping of the pancreatic exocrine tumours according to their biological behaviour. Thus, the neoplasms are broadly divided into benign (adenoma) and malignant tumours (carcinoma). However, in recent years we have learned that this division is not a sharp but rather a gradual transition. We therefore added a third group which we call "tumours of uncertain malignant potential" representing a borderline category analogous to that recognized for some ovarian tumours. This group includes mucinous cystic tumour, intraductal papillary-mucinous tumour and solid pseudopapillary tumour. These neoplasms are defined by the grade of dysplasia and/or potential to become malignant. Mucinous cystic tumours of uncertain malignant potential, for instance, exhibit moderate epithelial dysplasia, but do not show severe dysplasia/carcinoma in situ changes, nor carcinomatous invasion of the cyst wall or the adjacent pancreatic tissue. Solid pseudopapillary tumour has a benign looking histological appearance, but metastases may occur. Biologically, all these neoplasms are primarily slow-growing lesions and have an excellent prognosis when adequately treated by complete resection.

**Pediatric Hepatology and Liver Transplantation** Aug 17 2021 This book is the first to provide balanced examination of both pediatric liver disease and liver transplantation – two topics that are inherently related, given that most chronic liver disorders eventually require organ replacement. The different forms of liver disease encountered in the pediatric age group are first discussed in a series of disease-specific chapters that have a reader-friendly, uniform structure covering pathophysiology, diagnostic and treatment algorithms, clinical cases, and transition to adult care. Key topics in the field of liver transplantation are then addressed. Examples include indications and contraindications, surgical techniques and complications, immunosuppression, in pediatric liver transplantation, acute and chronic rejection and allograft dysfunction, and CMV and EBV infection in transplant recipients, long-term graft injury and tolerance. A section on pediatric hepatology across the world includes chapters presenting the features and management of pediatric liver disease in South-America, Africa and Asia. A closing section considers what the future holds for pediatric liver disease and its management, including novel genetic testing, cell therapy and gene therapy. Pediatric Hepatology and Liver Transplantation will be of value for a range of practitioners, from residents making their first approach to pediatric liver disease through to specialists working in transplantation centers.

**Tumors and Tumor-Like Lesions of the Hepatobiliary Tract** Jan 10 2021 This book covers all liver tumors and lesions that clinically and radiologically mimic liver tumors. It provides readers with a comprehensive overview of this complex and rapidly evolving field. All aspects of surgical pathology are addressed, supplemented by detailed presentations of the lesions' cell-biologic and molecular features. In addition, the methods employed for diagnosis and diagnostic algorithms are discussed. It appeals to pathologists and hepatologists and serves as an invaluable aid to diagnosis. The field of liver tumors and tumor-like lesions in adults and children has experienced tremendous advances in recent years. Specifically, the recognition of novel entities, deepened insights into known tumors, and refinement of classifications have necessitated continual updates and reappraisals. In addition, previous understanding of hepatic carcinogenesis and tumor progression has been transformed by the very rapid evolution of our understanding of cell biology, genomics, signaling pathways, cell interactions, and mechanisms of invasion and spread of hepatic tumor cells. These general pathology issues must be combined with surgical pathology if a comprehensive understanding of liver tumor pathology is to be achieved.

**Cross-Sectional Imaging of the Abdomen and Pelvis** Feb 20 2022 This book offers concise descriptions of cross-sectional imaging studies of the abdomen and pelvis, supplemented with over 1100 high-quality images and discussion of state-of-the-art techniques. It is based on the most common clinical cases encountered in daily practice and uses an algorithmic approach to help radiologists arrive first at a working differential diagnosis and then reach an accurate diagnosis based on imaging features, which incorporate clinical, laboratory, and other underlying contexts. The book is organized by anatomical organ of origin and each chapter provides a brief anatomical background of the organ under review; explores various cross-sectional imaging techniques and common pathologies; and presents practical algorithms based on frequently encountered imaging features. Special emphasis is placed on the role of computed tomography (CT) and magnetic resonance imaging (MRI). In addition to algorithmic coverage of many pathological entities in various abdominopelvic organs, unique topics are also examined, such as imaging of organ transplant (including kidney, liver and pancreas), evaluation of perianal fistula, and assessment of rectal carcinoma and prostate carcinoma by MRI. Cross-Sectional Imaging of the Abdomen and Pelvis: A Practical Algorithmic Approach is a unique and practical resource for radiologists, fellows, and residents.

**Thyroid and Parathyroid Ultrasound and Ultrasound-Guided FNA** Jun 26 2022 In this concise, gold-standard 4th edition book, the volume editors and authors synthesize the prior three editions and provide a comprehensive and expanded review on the latest in the diagnosis and management of thyroid nodules, as well as an update on parathyroid disease and non-endocrine lesions of the neck. This user-friendly edition again emphasizes a multidisciplinary approach to thyroid ultrasound and UGFNA, offering all the new information and subtleties clinicians must know in the application of this technique, now firmly established as a primary tool for diagnosing and managing thyroid disease. Developed by renowned experts in thyroid and parathyroid disease, the book covers not only thyroid and parathyroid disease, but also imaging of the salivary glands and other non-endocrine lesions of the neck. In this edition, the authors expand the chapters on both surgical and non-surgical management. Given the increased use of molecular markers in thyroid evaluation, an excellent chapter addresses this topic. Finally, as more endocrinologists and surgeons perform ultrasounds in their office practices, a chapter on authoring ultrasound reports is now included. Combining the collective wisdom of specialists who treat patients with thyroid nodules, thyroid cancer and parathyroid disease, Handbook of Thyroid and Parathyroid Ultrasound and Ultrasound-Guided FNA, 4th Edition is an invaluable resource and will continue serving as the "go to" guide for surgeons, endocrinologists, fellows and residents. Foreword by Peter A. Singer, MD, Chief of Clinical Endocrinology and Director, Thyroid Diagnostic Center, Keck School of Medicine of USC, Los Angeles, CA.

**IgG4-Related Disease** Jul 28 2022 This volume focuses on IgG4-related disease (IgG4-RD), a novel clinical entity involving multiple organs and of unknown origin, associated with the abundant infiltration of IgG4-positive cells. It consists of nine chapters written by prominent experts in the field and discusses the disease concept, diagnosis and treatment, as well as recent findings on its pathogenesis and pathophysiology. As such, it offers an invaluable source of information for researchers and clinicians alike.

**FISH DISEASES** Sep 25 2019 Fish Diseases theme is a component of Encyclopedia of Food and Agricultural Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. Diseases caused by bacteria, viruses and certain parasites, have thus far been suggested as the main culprit for declining aquaculture production and are thus deemed responsible to for huge losses amounting to billions of dollars annually. There are a number of fish diseases that are of utmost importance due to their debilitating effects on both cultured and marine fish, and includes Streptococcus caused by a number of Steptococcus spp., Furunculosis, Vibriosis, Edwasiellosis, Mycobacteriosis, Nocardiosis, to name a few. The need to prevent and counteract the effect of these diseases is therefore of paramount importance. In recent years, we saw the increase in studies focusing on fish diseases particularly on those involved in unveiling the etiological agents of the diseases and how to properly treat or eradicate them, which often involved chemotherapy or administration of

antibiotics. To lessen the use of antibiotics which arguably brings with it harmful side effects, a lot have been put into the development of effective prophylactic methods against fish diseases such as vaccines and also on finding efficient and reliable means of diagnosing the disease. The volume covers in detail the various diseases in fish and shellfish caused by bacteria and viruses. The contributing authors of each section have had extensive experience with fish diseases and have outlined what we need to know regarding a particular disease in a manner that is both easy to understand and apply. In Chapter 1, the various methods for disease diagnosis, prevention including vaccination and treatment of fish diseases are discussed. Chapter 2 includes and presents the various ways fish and shellfish protect themselves or fight off disease causing pathogens through their immune systems. Chapters 3 and 4 describe the diseases caused by bacterial pathogens in inland water (or freshwater) and marine water, respectively. These chapters include the identification of bacterial species responsible for the diseases and how to properly diagnose and treat them. Chapter 5 presents fish diseases caused by viral pathogens, their etiological agents, diagnosis and treatment.

**Hepatobiliary Cancer** Jan 22 2022 When one deals with cancer, the hepatobiliary malignancies present a challenge to the oncologists that can be characterized as a series of unsolved clinical and biological dilemmas. Liver metastases from colorectal and other gastrointestinal malignancies, hepatocellular carcinoma, cholangiocarcinoma, and gall bladder cancer present an array of problems but have two features in common. These are high morbidity and mortality with an overall poor result from treatment. Why is it that hepatobiliary cancer carries with it such a dismal prognosis? First of all, these diseases present, for the most part, in an advanced state. To this point in time the oncologist has had no help from early diagnosis or screening. Only the occasional patient followed by ultrasound or a tumor marker has the disease diagnosed in an asymptomatic state. By the time these diseases become symptomatic, curative treatment options have usually disappeared. Evolution has placed the liver in a protected position in order to avoid injury to the soft parenchyma. As with many other internal organs, the nerve supply is extremely limited. These two anatomic features result in a great lack of early warning signs of cancer.

**Drug-Induced Liver Injury** Jun 14 2021 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 DILI, 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 **Molecular Diagnosis and Targeting for Thoracic and Gastrointestinal Malignancy** Apr 12 2021 This volume focuses on the clinical applications of molecular diagnosis and targeted therapy from the viewpoint of oncologists specializing in specific organs. In addition, it discusses the role of molecular diagnosis and targeted therapy in the course of surgical treatment. Recent, rapid advances in molecular biology have shed new light on the mechanisms of cancer progression, and molecularly targeted drugs have been used to treat a variety of malignant diseases. For the diagnosis and precise treatment of cancer, analysis of the molecular background of the tumor is indispensable. However, there are both tumor-specific and comprehensive mechanisms involved in these processes. Accordingly, a firm grasp of molecular diagnosis and targeted therapies for different tumors is vital for clinicians and basic researchers alike. This book provides essential information and the latest findings on molecular diagnosis and targeted therapy for thoracic and gastrointestinal malignancies. Though primarily intended for clinical and basic oncologists, it also offers a useful guide for clinicians who are interested in this field and are considering getting started in molecular diagnosis and targeted therapy.

**Neuroradiological Imaging of Skin Diseases and Related Conditions** Apr 24 2022 This unique book, written by acknowledged experts, provides a comprehensive review of the wide spectrum of skin diseases that may affect the head and neck region and central nervous system. The clearly written, informative text is accompanied by abundant examples of radiological imaging and corresponding vivid clinical photographs. Coverage includes congenital skin lesions, neurocutaneous syndromes, benign and malignant skin tumors, vascular malformations and lesions, trauma, infectious and inflammatory processes, and post-treatment appearances. The book will be an invaluable clinical resource for both neuroradiologists and dermatologists. Patients with skin diseases often undergo neuroradiological imaging, and it is therefore important for neuroradiologists to be familiar with the various types of dermatological conditions and their imaging appearances.

**Interpretation of Endoscopic Biopsy - Gastritis, Gastropathies and Beyond** Nov 07 2020 The book covers all aspects of endoscopic biopsies of the stomach inclusive of gastritis and gastropathies. It highlights the best way of handling of endoscopic biopsies in the endoscopic room by the gastroenterologist. It elucidates various steps involved in processing of the biopsy, tissue embedding and paraffin sectioning, approach to interpretation, various precautions that require to be taken while interpreting the biopsies, and the essential background knowledge of the interpreter. The book highlights the importance of the little things for a proper reading like matching of the tissue fragments received and the number of tissue present on a slide after the paraffin section. Chapters cover various forms of gastritis, and the easiest approach for daily routine by avoiding the cumbersome classifications and staging formulated for gastritis. It also discusses the utilization of the right nomenclature for acute and chronic gastritis and various other subtypes of gastritis. Chapters include various rarer and infrequently come across conditions of both acute and chronic gastritis, special form of gastritis and infective conditions. It also includes unusual forms of non-neoplastic gastric pathologies such as, a condition, where the gastric mucosa is affected not only by direct exposure to various irritants but may also be affected by many systemic diseases. It also highlights the frequently observed changes in chronic renal and liver failures. The book is targeted to all the practicing pathologists as well as graduate and post graduate students who are keen to learn about non-neoplastic gastric pathology at various levels.

**Diseases of the Gallbladder** Sep 29 2022 This book provides up-to-date information on all aspects of gallbladder disease. After an introductory section on laboratory findings, pathology, and diagnostic methods, it focuses on specific conditions and their management, covering gallbladder stones, acalculous cholecystitis, gallbladder lesions associated with IgG4-related disease and with anomalous pancreaticobiliary ductal union, and dyskinesia of the gallbladder. Moreover, it discusses incidental gallbladder carcinoma in detail, including epidemiology, risk factors, gene mutations, diagnostic imaging methods and treatment modalities. The book also features a section exploring important current issues, such as the diagnosis and therapy of polypoid lesions and gallbladder wall thickening, and the role of prophylactic cholecystectomy in patients with concomitant gallstones following removal of common bile duct stones by ERCP. It also compares endoscopic gallbladder drainage with percutaneous transhepatic gallbladder drainage. Lastly, the book offers stimulating future perspectives.

**Advances in Medicine and Medical Research** Jul 24 2019 This book focuses on issues in clinical practice and research that are of general interest. The articles primarily focus on understanding the pathogenic mechanisms of diseases, their prevention, and therapy. The topics addressed include cardiovascular regulation with regard to blood pressure and heart rate variability, and to coupling blood pressure changes with subarachnoid fluid oscillations. In addition, the book discusses recent advances in the diagnostics of and targeted molecular therapy for renal and pancreatic malignancies, growth disorders, vitamin D and calcium homeostasis in children in the context of neonatal urolithiasis, and neurosurgical interventions in multifarious age-related diseases of the vertebrae. Neuropsychological aspects of patients' quality of life and of shaping medical staff's attitude toward patients are also addressed. The respective articles are intended to build a bridge between basic and clinical research. Further, the book enhances the current body of knowledge on diagnostics and patient treatment and offers valuable new perspectives on practical clinical issues. As such, it offers a unique resource for clinicians, family physicians, medical scholars, and professionals engaged in patient management.

**The Russian Revolution: A Very Short Introduction** May 14 2021 This Very Short Introduction provides an analytical narrative of the main events and developments in Soviet Russia between 1917 and 1936. It examines the impact of the revolution on society as a whole—on different classes, ethnic groups, the army, men and women, youth. Its central concern is to understand how one structure of domination was replaced by another. The book registers the primacy of politics, but situates political developments firmly in the context of massive economic, social, and cultural change. Since the fall of Communism there has been much reflection on the significance of the Russian Revolution. The book rejects the currently influential, liberal interpretation of the revolution in favour of one that sees it as rooted in the contradictions of a backward society which sought modernization and enlightenment and ended in political tyranny. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

**Liver Pathology** Nov 27 2019 "Liver Pathology" will present thirty cases for discussion and illustration. The cases will be selected to show the wide range of specimens seen in liver pathology and will address some of the frequent issues in diagnosis encountered in these lesions. The goal of this unique book will be to provide detailed insight into a wealth of expert .....

**Recent advances in Pancreatology** Oct 31 2022 Pancreatic diseases include intractable ones including acute and chronic pancreatitis, and pancreatic cancer. In recent years, great advances have been made in the field of pancreatology, including the pathogenesis, diagnostic modalities, and development of novel therapeutic interventions. It has been established that pancreatic stellate cells play a pivotal role in the development of pancreatic fibrosis in chronic pancreatitis as well as in pancreatic cancer known as desmoplastic reaction. Although it might be still controversial, accumulating evidence has shown that interaction between pancreatic stellate cells-cancer cells contribute to the progression of pancreatic cancer through the increased proliferation and migration, and production of cytokines and extracellular matrix components. In addition, pancreatic stellate cells lead to the resistance to chemotherapy and radiation therapy. Pancreatic stellate cells attract the researchers as a novel therapeutic target of pancreatic cancer. Genetic studies have shown that mutations in the trypsin-related genes such as cationic trypsinogen (PRSS1) gene and the serine protease inhibitor, Kazal type 1 (SPINK1) gene are associated with pancreatitis. In general, each of these factors appears to limit trypsin activation or enhance inactivation, and is believed to increase intrapancreatic trypsin activity and predispose to pancreatitis when the gene is mutated. These results have supported a concept that pancreatic protease/anti-protease plays pivotal roles in the pathogenesis of pancreatitis. In addition, genetic studies focusing on phenotypic variances would provide us with important information how genetic variants would affect the phenotypic variances. Autophagy is an intracellular bulk degradation system in which cytoplasmic components are directed to the lysosome/vacuole by a membrane-mediated process. Recent studies have highlighted a role of autophagy in acute pancreatitis. Using a conditional knockout mouse that lacks the autophagy-related (Atg) gene Atg5 in the pancreatic acinar cells, autophagy exerts a detrimental effect in pancreatic acinar cells by activation of trypsinogen to trypsin. A theory in which autophagy accelerates trypsinogen activation by lysosomal hydrolases under acidic conditions, thus triggering acute pancreatitis in its early stage. The epithelial-mesenchymal transition is a developmental process that allows a polarized epithelial cell to undergo multiple biochemical changes that enable it to assume a mesenchymal phenotype. The phenotype associated with epithelial-mesenchymal transition includes enhanced migratory capacity, invasiveness, elevated resistance to apoptosis, and greatly increased production of extracellular matrix components. In addition to its role in development, tissue regeneration, and fibrosis, epithelial-mesenchymal transition is now considered as a critical process in cancer progression. Induction of epithelial-mesenchymal transition in cancer cells results in the acquisition of invasive and metastatic properties. Epithelial-mesenchymal transition could be an important mechanism in the progression of pancreatic cancer and its poor prognosis. Autoimmune pancreatitis is a unique form of pancreatitis in which autoimmune mechanisms are suspected to be involved in the pathogenesis. There is accumulating study to deal with this new disease concept. In addition to these topics, we have selected several topics in pancreatology, focusing on recent studies increasingly deepening our knowledge in both basic and clinical researches.

**The Invention of Russia** Dec 29 2019 WINNER OF THE ORWELL PRIZE WINNER OF THE CORNELIUS RYAN AWARD FINALIST FOR THE LIONEL GELBER PRIZE FINANCIAL TIMES BOOK OF THE YEAR "Fast-paced and excellently written." -New York Times "Filled with sparkling prose and deep analysis." -The Wall Street Journal An essential analysis to understanding Putin's playbook and understanding the real Russian threat to World order and peace How did a country that embraced freedom over twenty-five years ago end up as an autocratic police state bent once again on confrontation with the West? In this Orwell Prize-winning book, Arkady Ostrovsky reaches back to the darkest days of the Cold War to tell the story of Russia's stealthy and largely unchronicled post-Soviet transformation. A highly regarded Moscow correspondent for the Economist, Arkady Ostrovsky comes to this story both as a participant and a foreign correspondent. His knowledge of many of the key players allows him to explain the phenomenon of Vladimir Putin - his rise and astonishing longevity, his use of hybrid warfare and the alarming crescendo of his military interventions. In his new paperback preface, Ostrovsky explores how Putin influenced the US election, the Trump Putin access, and shows how Putin's methods - weaponizing the media and serving up fake news - came to enter American politics.

**Liver Immunology** Oct 07 2020 Liver Immunology: Principles and Practice, Second Edition begins with important information about the epidemiology and mortality of liver disease worldwide. This information is followed by chapters related to basic immunology, application of liver immunology for diagnosis, and several excellent chapters that provide a solid foundation for understanding immune-mediated liver disease, including those associated with the biliary tree. A chapter on non-hepatic manifestations of immune mediated liver disease helps provide context for how these diseases affect the patient overall. In addition, chapters discuss various discrete immunologically-mediated infectious liver disorders including those related to bacteria, parasites, and all of the classic viruses. Chapters on the traditional autoimmune liver diseases -- primary biliary cirrhosis, autoimmune hepatitis, primary sclerosing cholangitis as well as overlap syndrome -- are also included. The breadth of this comprehensive second edition is highlighted by chapters on alcoholic liver disease, non-alcoholic fatty liver disease, and drug-induced liver disease,

among others. This invaluable new edition ends with a forward-looking view of future directions and how the field might meet the challenge of refractory patients. Developed by a renowned group of authors, *Liver Immunology: Principles and Practice, Second Edition* will again serve as a comprehensive textbook by providing an excellent overview for this rapidly evolving field. It greatly adds to the understanding of the pathogenesis of these diseases, while also providing novel insights that can be harnessed into helping improve the care of patients afflicted with various immune-mediated diseases. This volume will again be a must-read for clinicians at all levels, investigators and students.

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