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Alpha-fetoprotein and Hepatoma-Hidematsu Hirai 1973

Hepatocellular Carcinoma-Brian I. Carr 2009-10-03 Hepatocellular cancer is the fifth most common cancer, with 600,000 new cases reported each year worldwide. Additionally, exciting changes in the science of HCC in the last four years have turned the practice of diagnosing and treating the disease upside down. In Hepatocellular Carcinoma: Diagnosis and Treatment, Second Edition, the leading experts in the field of HCC thoroughly update and expand upon the critically acclaimed first edition with all the latest developments in the diagnosis and treatment of primary liver cancer. The book 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. New chapters discuss the introduction into clinical practice of cell cycle growth inhibitors, an expanded knowledge of Genomics and Proteomics, and novel ways of delivering intra-hepatic chemotherapy. This cutting-edge text is a vital resource and must have for today’s hepatologists and medical and surgical oncologists.

Serum Alpha-fetoprotein (afp) And/or Ultrasound (us) for Hepatocellular Carcinoma (hcc) Screening-

Immunotherapy of Hepatocellular Carcinoma-Tim F. Greten 2017-10-04 In this book we provide insights into liver cancer and immunology. Experts in the field provide an overview over fundamental immunological questions in liver cancer and tumorimmunology, which form the base for immune based approaches in HCC, which gain increasing interest in the community due to first promising results obtained in early clinical trials. Hepatocellular carcinoma (HCC) is the third most common cause of cancer related death in the United States. Treatment options are limited. Viral hepatitis is one of the major risk factors for HCC, which represents a typical “inflammation-induced” cancer. Immune-based treatment approaches have revolutionized oncology in recent years. Various treatment strategies have received FDA approval including dendritic cell vaccination, for prostate cancer as well as immune checkpoint inhibition targeting the CTLA4 or the PD1/PDL1 axis in melanoma, lung, and kidney cancer. Additionally, cell based therapies (adoptive T cell therapy, CAR T cells and TCR transduced T cells) have demonstrated significant efficacy in patients with B cell malignancies and melanoma. Immune checkpoint inhibitors in particular have generated enormous excitement across the entire field of oncology, providing a significant benefit to a minority of patients.
Japanese Cancer Association Symposium on Alpha-Fetoprotein and Hepatoma - 1971

Contemporary Practice in Clinical Chemistry - William Clarke
2020-06-11 Contemporary Practice in Clinical Chemistry, Fourth Edition, provides a clear and concise overview of important topics in the field. This new edition is useful for students, residents and fellows in clinical chemistry and pathology, presenting an introduction and overview of the field to assist readers as they in review and prepare for board certification examinations. For new medical technologists, the book provides context for understanding the clinical utility of tests that they perform or use in other areas in the clinical laboratory. For experienced laboratorians, this revision continues to provide an opportunity for exposure to more recent trends and developments in clinical chemistry. Includes enhanced illustration and new and revised color figures Provides improved self-assessment questions and end-of-chapter assessment questions

Alpha-fetoprotein in Human Hepatocellular Carcinoma - Ee Chee Ren 1981

Alpha-fetoprotein - Nisha Lakhi 2016-05-01 Alpha-fetoprotein (AFP) has many applications across various disciplines. This oncofetal protein is routinely used by clinicians for antenatal testing as well for the screening and treatment monitoring of certain malignances. Innovative research using AFP has also been very promising. Recent developments include the use of AFP or its recombinant fragments for drug delivery to cancer cells, as well as for the engineering of cancer vaccines and T cell immunotherapies. The anti-estrogenic potential of AFP has also been utilised to develop drugs directed against estrogen receptor positive malignancies. This book is divided into five sections. In Section One, the history of AFP is recollected, and the role of AFP in normal and pathological conditions is explored. Section Two and Three focus on the utility of AFP during pregnancy. In Section Two, the use of routine maternal serum AFP screening for detection

Cancer - Gordon Barry Pierce 1978
of chromosomal aneuploidies and neural tube defects in normal pregnancies and pregnancies with pre-existing disease is discussed; the potential use of AFP for the detection of preeclampsia is also reviewed. Section Three explores the pathogenesis and data linking unexplained elevations of AFP to adverse obstetrical outcomes. Section Four presents chapters that discuss AFP ligand binding, receptor targeting, and drug delivery strategies. Finally, Section Five serves to explain the regulatory roles of AFP, its use in immunotherapy, and in the development of cancer vaccines. The aim of this book is to bring together some of the great research and clinical insights that currently surround AFP. The target audiences for this book are basic science researchers as well as clinicians.

Liver Cell Cancer - H.M. Cameron 2013-10-22 Liver Cell Cancer focuses on liver cell cancer, which is considered one of the most aggressive malignant tumors, and in turn, one of the most intensively studied tumors in man and experimental animals. This book discusses the geographic pathology, alpha-fetoprotein, diagnosis, treatment, and background of liver cell cancer. The clinical problem of liver cell cancer in a high incidence area; primary hepatocellular carcinoma; induction of liver cell cancer by chemicals; cell proliferation and experimental liver cancer; and immunology and pathology of experimental liver cell cancer are also discussed in the chapters. This book aims to provide a ready reference for clinicians for research, present a clear and unambiguous picture to researchers of the problems inherent in the clinical situation, and introduce a reasoned assessment of the findings, both clinical and experimental.

Hepatocellular Carcinoma - Costin Teodor Streba 2018-11-28 Hepatocellular carcinoma (HCC) currently ranks as the third most common cause of death. As the primary malignancy of the liver is directly related to an underlying liver condition, its incidence and profile are expected to change soon. While effective prevention programs and antiviral therapies for hepatitis B and C will lower the incidence of HCC, emerging socioeconomic issues will deliver new at-risk populations. Moreover, diagnostic techniques and protocols have undergone significant advancements. Reliance on contrast enhanced ultrasound has been re-evaluated, imaging methods being considered as sufficient diagnostic tools.

Molecular characterization remains desirable, since chemotherapeutic agents still have limited applicability. In light of recent diagnostic advancements and novel therapeutic solutions, it is our belief that a comprehensive update on recent paradigm shifts and interesting upcoming developments is highly needed.

AJCC Cancer Staging Atlas - Carolyn C. Compton 2012-08-09 Significantly expanded, expertly and beautifully illustrated, The AJCC Cancer Staging Atlas, 2nd Edition, offers more than 600 illustrations created exclusively for this new edition and is fully updated to reflect the concepts discussed in the 7th Edition of both the AJCC Cancer Staging Manual and its companion Handbook. This Atlas illustrates the TNM classifications of all cancer sites and types included in the 7th Edition of the Manual and visually conceptualizes the TNM classifications and stage groupings. Specifically designed for simplicity and precision, the drawings have been verified through multi-disciplinary review to ensure accuracy and relevancy for clinical use. Every illustration provides detailed anatomic depictions to clarify critical structures and to allow the reader to instantly visualize the progressive extent of malignant disease. In addition, nodal maps are included for each site, appropriate labeling has been incorporated to identify significant anatomic structures, and each illustration is accompanied by an explanatory legend. The AJCC Cancer Staging Atlas, 2nd Edition, is an official publication of the American Joint Committee on Cancer, the recognized international leader in state-of-the-art information on cancer staging. This Atlas has been created as a companion to the updated 7th Edition of the AJCC Cancer Staging Manual, which continues to disseminate the importance of anatomical and pathological staging in the management of cancer. This state-of-the-art, invaluable 2nd Edition includes a CD containing PowerPoint slides of all illustrations, additional color, and a user-friendly, easy-to-read layout. The AJCC Cancer Staging Atlas, 2nd Edition will serve as an indispensable reference for clinicians, registrars, students, trainees, and patients.

Alpha-fetoprotein and Hepatoma - 1973
**Alpha-fetoprotein and Hepatoma**-Hidematsu Hirai 1973

**Diagnosis and Treatment of Hepatocellular Carcinoma**-Tito Livraghi 1997-01-01 The book is edited by a multidisciplinary team, with an international group of contributors. After discussing the basic and clinical aspects of HCC the main focus of the book is on diagnosis and therapy. The book is both authoritative and practical, providing expert guidance on the various techniques used in diagnosis, such as ultrasound, CT and MRI and the appropriate therapeutic options, for example, surgical resection, transcatheter therapies and radiofrequency ablation. It is fully illustrated throughout in both colour and black and white.

**Alpha-fetoprotein and Immunotherapy for Hepatocellular Carcinoma**- 2010

**Primary Liver Cancer in Japan**-Takayoshi Tobe 2012-12-06 Hepatocellular carcinoma (HCC) is common in the Far East and South Africa, but is rare in the United States and Europe. The vast experience of the East, which has led to marked improvement in the prognosis of patients with HCC, is made available to researchers worldwide in this monograph. The book is based on an enormous amount of data that has been collected and analyzed by the Liver Cancer Study Group of Japan. The data stems from a survey on HCC in Japan since 1965 and contains information from more than 30,000 patients with regard to age distribution, past medical history, diagnostic procedures, frequency of HBV-associated antigens and antibodies, surgical and conservative treatments, gross anatomical and histological features of the tumors, pathology of the noncancerous portions, distant metastasis, and survival rate. This data is a tremendous contribution to our understanding of the epidemiology, pathology, and the latest developments of the molecular biology and clinical problems of primary liver cancer.

**Hepatocellular Carcinoma**-W. Y. Lau 2008 This essential book is a compendium of papers written by an international team of world-renowned experts, who cover topics in their respective areas of expertise. Presenting the most up-to-date knowledge of hepatocellular carcinoma, it covers all topics ? including those more controversial ones ? in this rapidly advancing field, from epidemiology to prevention, from molecular biology to gross pathology, from screening to atypical presentation, from diagnosis to treatment, and from assessment to choice of appropriate treatment. This volume is therefore an important contribution to the field of hepatocellular carcinoma.

**The Progressive Elevation of Alpha Fetoprotein for the Diagnosis of Hepatocellular Carcinoma in Patients with Liver Cirrhosis**-Applied Research Applied Research Press 2015-09-13 Hepatocellular carcinoma is the most common cause of primary liver neoplasms and is one of the main causes of death in patients with liver cirrhosis. High Alpha fetoprotein serum levels have been found in 60-70% of patients with Hepatocellular carcinoma; nevertheless, there are other causes that increase this protein. Alpha fetoprotein levels greater than 200 and 400 ng/mL in patients with an identifiable liver mass by imaging techniques are diagnostic of hepatocellular carcinoma with high specificity. The progressive elevation of alpha fetoprotein greater than 7 ng/mL/month in patients with liver cirrhosis is useful for the diagnosis of hepatocellular carcinoma in patients that do not reach alphaFP levels greater than 200 ng/mL. Prospective studies are required to confirm this observation.

**Alpha-fetoprotein in Hepatocellular Carcinoma: A Serological and Histochemical Study in Malaysian Patients**-S. F. Yap 1991

**Clinical Dilemmas in Viral Liver Disease**-Graham R. Foster 2020-03-19 The only evidence-based book to approach viral liver disease by focusing exclusively on the clinical dilemmas encountered by hepatologists and their medical teams. Although viral hepatitis is a growing public health risk around the world, the World Health Organization (WHO) views the elimination of hepatitis infection over the next several as an achievable goal.

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Effective pharmaceutical therapies are now available, yet medical teams caring for patients with viral hepatitis are challenged when looking for answers to specific questions in the current medical literature. The second edition of Clinical Dilemmas in Viral Liver Disease provides evidence-based guidance for medical teams involved in diagnosing, treating, and managing patients with viral liver disease. This fully updated book explores developments in new treatments and new diagnostic approaches that are contributing to WHO goals of viral elimination. Brief, easily referenced chapters examine clearly defined topics, addressing the clinical questions and difficulties encountered by medical teams in day-to-day practice. Contributions by an international team of investigators and clinicians address clinical questions and issues which are seldom found in standard textbooks and online repositories. Offering practical guidance on the specific challenges and dilemmas of treating viral liver disease, this unique volume: Provides practical, evidence-based guidance on topical and controversial issues Addresses understudied questions that arise in day-to-day clinical practice Discusses the challenges surrounding global elimination programs Presents focused approach that is supported by current literature and expert opinion The second edition of Clinical Dilemmas in Viral Liver Disease is required reading for practicing and trainee hepatologists, gastroenterologists, transplant surgeons, virologists, and other practitioners involved in caring for patients with liver disease.

Mechanisms of Angiogenesis-Matthias Clauss 2004-11-22 Is it advisable to go back from bedside to the bench? During the last decade, few topics encountered such a broad interest in biog- y and medicine as angiogenesis. The amazing ability of the body to restore blood flow by induction of blood vessel growth as part of an adaptive process has alarmed physicians dealing with diseases in which angiogenesis is either exaggerated (as in tumors) or too slow (as in ischemic diseases of heart and brain). Not surprisingly, pro- and antiangiogenic strategies have found their way into clinical trials. For instance, for the USA, the NIH website in early 2004 displayed 38 clinical studies involving either pro- or antiangiogenic th- apies. Given the expected overwhelming wealth of clinical data, the question may be asked whether further exploration of biological mechanisms is required or whether results from the bedside are instructive enough to proceed. This question depends also on the progress of pro- and antiangiogenic clinical trials. In the following, I give a short overview about some of the progress that has been made in this field. Since Judah Folkman proposed antiangiogenic tumor therapy thirty years ago, it has become increasingly evident that agents which interfere with blood vessel formation also block tumor progression. Accordingly, antiangiogenic therapy has gained much attention as a potential adjunct to conventional c- cer therapy.

Diagnostic Immunohistochemistry-David J. Dabbs 2002 17 world-renowned experts offer the most current information and reliable guidance on immunohistochemical diagnoses in surgical pathology and cytopathology. Introductory chapters cover cost modeling for immunohistochemistry and immunohistochemical techniques. The following chapters utilize an organ systems and diseases approach to diagnostic tumor pathology. A newly updated book that our laboratory staff have found very useful in our day to day work Reviewed by: PathLab.org, Sept 2014 ...It also acts as an up-to-date bench-top reference tool. It is an easy-to-read, wellpresented text that I would recommend as a 'must have' for every pathology department. Reviewed by: Dr Gemma Petts, Imperial College London on behalf of The Bulletin of The Royal College of Pathologists, Oct 2014 Consistently organized chapters for quick access to vital information Each chapter stands alone, providing all the information you might need on a specific topic Quick-reference boxes summarize the most important diagnostic points at the end of each text Section Colour photographs and illustrations reinforce key diagnostic points

Hepatocellular Carcinoma-Ahmed Kaseb 2013-10-23 Hepatocellular carcinoma (HCC) develops as a consequence of underlying chronic liver disease, most commonly cirrhosis. Therefore, HCC management draws on the expertise of a range of medical specialists. Many components of current novel therapeutic modalities for HCC are discussed in the current version of the book within the framework of a multidisciplinary approach with special emphasis on emerging treatment approaches and research strategies. This book is the essential clinical guide for oncologists, hepatologists, surgeons, and all physicians and researchers involved in the care of patients with HCC. I would like to thank the authors for their significant efforts in bringing this edition to life. This book is a tribute to their continued
dedication to improving HCC outcome.

Oncologic Imaging: A Multidisciplinary Approach E-Book - Paul Silverman 2012-04-27 Here’s the multidisciplinary guidance you need for optimal imaging of malignancies. Radiologists, surgeons, medical oncologists, and radiation oncologists offer state-of-the-art guidelines for diagnosis, staging, and surveillance, equipping all members of the cancer team to make the best possible use of today’s noninvasive diagnostic tools. Consult with the best. Dr. Paul M. Silverman and more than 100 other experts from MD Anderson Cancer Center provide you with today's most dependable answers on every aspect of the diagnosis, treatment, and management of the cancer patient. Recognize the characteristic presentation of each cancer via current imaging modalities and understand the clinical implications of your findings. Effectively use traditional imaging modalities such as Multidetector CT (MDCT), PET/CT, and MR in conjunction with the latest advances in molecular oncology and targeted therapies. Find information quickly and easily thanks to a consistent, highly templated format complete with "Key Point" summaries, algorithms, drawings, and full-color staging diagrams. Make confident decisions with guidance from comprehensive algorithms for better staging and imaging evaluation. Access the fully searchable text online, along with high-quality downloadable images for use in teaching and lecturing and online-only algorithms, at expertconsult.com.

The Heterogeneity of Cancer Metabolism - Anne Le 2021 This open access volume will introduce recent discoveries in the field of cancer metabolism since the publication of the first edition in 2018, providing readers with an up-to-date understanding of developments in the field. Genetic alterations in cancer, in addition to being the fundamental drivers of tumorigenesis, can give rise to a variety of metabolic adaptations that allow cancer cells to survive and proliferate in diverse tumor microenvironments. This metabolic flexibility is different from normal cellular metabolic processes and leads to heterogeneity in cancer metabolism within the same cancer type or even within the same tumor. In this book, the authors delve into the complexity and diversity of cancer metabolism and highlight how understanding the heterogeneity of cancer metabolism is fundamental to the development of effective metabolism-based therapeutic strategies for cancer treatment. Deciphering how cancer cells utilize various nutrient resources will enable clinicians and researchers to pair specific chemotherapeutic agents with patients who are most likely to respond with positive outcomes, allowing for more cost-effective and personalized cancer treatment. This book has four major parts. Part one will cover the basic metabolism of cancer cells, followed by a discussion of the heterogeneity of cancer metabolism in part two. Part three addresses the relationship between cancer cells and cancer-associated fibroblasts, and the new part four will explore the metabolic interplay between cancer and other diseases. This new section makes the book unique from other texts currently available on the market. The second edition will be useful for cancer metabolism researchers, cancer biologists, epidemiologists, physicians, health care professionals in related disciplines, policymakers, marketing and economic strategists, etc. It may also be used in courses such as intro to cancer metabolism, cancer biology, and related biochemistry courses for undergraduate and graduate students.

Updates in Liver Cancer - Hesham Abdeldayem 2017-04-05 Liver cancers result in considerable amount of financial and social burden. On the other hand, researches and clinical studies related to liver cancers continue to advance at a rapid pace. The chapters in this book provide state-of-the-art reviews on the current knowledge and advances in research and management of liver cancers. It includes the most recent advances in that field, particularly, hepatocarcinogenesis and the potential role of intestinal microbiota, nonalcoholic steatohepatitis, cancer stem cells, aldehyde dehydrogenase-1, and hepatitis B virus. This book also discusses the methods of diagnosis of HCC, the minimally invasive therapies for liver cancers, living donor liver transplantation for HCC, surgical management of liver metastases from colorectal cancers, and assessment and optimization for the future liver remnant.

Precision Molecular Pathology of Liver Cancer - Chen Liu 2018-01-09 This volume provides the most updated knowledge on the advancement of molecular pathogenesis, molecular diagnosis, and therapy development for hepatocellular carcinoma (HCC). Topics covered include the etiology and
pathogenesis of HCC, recent advances in HCC genomics, biomarker discovery and validation in HCC diagnosis, the role of liver biopsy in HCC early diagnosis, and the future prospects of surgical approaches and targeted therapy for HCC. In addition to reviewing the current available knowledge, the book also discusses the future development of a precision and personalized medicine approach for HCC. Written by experts in the field, Precision Molecular Pathology of Liver Cancer is a concise yet comprehensive resource for practitioners who treat patients with hepatocellular carcinoma.

**Alpha-fetoprotein** Suio L. Chen 1979

**Clinical Dilemmas in Primary Liver Cancer** Roger Williams 2011-12-27

Clinical Dilemmas in Liver Cancer follows the successful format of the other books in the Clinical Dilemmas series, with each chapter focused on a specific dilemma, or issue facing doctors in their day-to-day job, and providing them with practical clinical information and help to better assessment and treat their patients – in this case patients suffering from liver cancer, the third commonest cancer in terms of mortality worldwide. Chapters feature up-to-date information on the basic mechanisms, epidemiological risk factors, screening and surveillance strategies, diagnosis and treatment. It is an extremely practical and clinically-orientated book, and as most patients around the world present with advanced disease, a main focus is on the most recent advances allowing early diagnosis and use of locoregional and systemic therapy, surgery, transplantation and combination therapies. Each chapter is authored by an international expert in the relevant area.

**Hormones and the Fetus** Jorge R. Pasqualini 1985

Volume One of Hormones and the Fetus contained a generalization of the role of hormones during fetal life. In this second volume, the main topics focus on hormonal binding to fetal and maternal plasma proteins, amniotic fluid and placenta; the presence of hormone receptors in the fetal compartment; and the mechanism of action of various hormones in different target tissues of the fetus and placenta. This up-to-date information is of major importance in the study of hormonal activity in fetal life, and the biological effect of hormones through the receptor. The mechanism of fetal sexual diff ...

**Hepatocellular Carcinoma** Bandar Al Knawy 2009-08-27

An essential resource for gastroenterologists, hepatologists, liver surgeons, hepatobiliary surgeons, oncologists, and all those working in the field of hepatocellular carcinoma (HCC), Hepatocellular Carcinoma: A Practical Approach covers the updates and recent developments on the diagnosis, screening, and comprehensive medical and surgical management of HCC. This one-of-a-kind textbook explores all aspects of the disease using a practical, evidence-based approach, and provides step-by-step treatment guidelines that are applicable to all clinical scenarios. Highlights in the text include: screening and surveillance methods to aid in the prevention of HCC imaging technologies for accurate diagnosis, including ultrasound and PET treatment modalities for HCC, such as local ablation therapy, chemoembolization, chemotherapy, and liver resection and transplantation a discussion on novel therapies and future therapeutic trends for treating HCC.

**Biomarkers in Liver Disease** Victor R. Preedy 2017-07-14

In the past decade there has been a major sea change in the way disease is diagnosed and investigated due to the advent of high throughput technologies, such as microarrays, lab on a chip, proteomics, genomics, lipomics, metabolomics etc. These advances have enabled the discovery of new and novel markers of disease relating to autoimmune disorders, cancers, endocrine diseases, genetic disorders, sensory damage, intestinal diseases etc. In many instances these developments have gone hand in hand with the discovery of biomarkers elucidated via traditional or conventional methods, such as histopathology or clinical biochemistry. Together with microprocessor-based data analysis, advanced statistics and bioinformatics these markers have been used to identify individuals with active disease or pathology as well as those who are refractory or have distinguishing pathologies. New analytical methods that have been used to identify markers of disease and is suggested that there may be as many as 40 different platforms. Unfortunately techniques and methods have not been readily transferable to
other disease states and sometimes diagnosis still relies on single analytes rather than a cohort of markers. There is thus a demand for a comprehensive and focused evidenced-based text and scientific literature that addresses these issues. Hence the formulation of Biomarkers in Disease. The series covers a wide number of areas including for example, nutrition, cancer, endocrinology, cardiology, addictions, immunology, birth defects, genetics, and so on. The chapters are written by national or international experts and specialists.

**Adenocarcinoma of the Esophagogastric Junction**- Paul M. Schneider 2010-08-02 Among malignant tumors, adenocarcinomas of the esophagogastric junction show the highest increase in incidence over the past three decades in Western industrialized countries. This special volume, with contributions from experts in the field, covers all aspects of the disease. Etiology, pathogenesis, classification, and clinical staging are discussed, and there is special emphasis on state of the art treatment techniques. The latter range from endoscopic mucosal resections or limited surgical resections for early cancers to multimodality treatment options for locally advanced tumors. Emerging quality issues in surgical management are addressed. Detailed attention is also paid to other important recent developments, including molecular response prediction, early metabolic response evaluation by PET and PET-CT, the diagnosis of micrometastases, and the use of sentinel node technology. This volume will be of interest to all clinicians concerned with the diagnosis and management of this malignancy.

**Proof and Concepts in Rapid Diagnostic Tests and Technologies**- Shailendra K. Saxena 2016-09-07 This book gives a comprehensive overview of the recent advancements and developments of rapid diagnostic tests (RDTs) and technologies, which are quite novel approaches and might be used as laboratory bench manual for the rapid diagnosis of the various disease conditions. The book focuses on various aspects and properties of RDTs, point-of-care tests (POCTs), quality control, assurance, calibration, safety, nano-/microfluidic technologies, and fusion with DNA technologies. I hope that this work might increase the interest in this field of research and that the readers will find it useful for their investigations, management, and clinical usage.

**The Isolation and Detection of Alpha Fetoprotein in Humans with Hepatoma**- Sararat Yongchaiyudha 1970

**Primary Liver Cancer**- Nancy Reau 2012-06-21 Primary Liver Cancer: Surveillance, Diagnosis and Treatment focuses on the many therapies rapidly evolving to assist with controlling hepatocellular carcinoma as well as emerging technologies to assist in early diagnosis as well as prevention. All chapters are written by experts in their fields and include the most up to date information for diagnosis, treatment, surveillance, epidemiology, staging, recurrence and prevention. This volume will serve as a useful resource for clinical gastroenterologists, hepatologists, oncologists, pathologists, and physicians who treat patients with chronic liver disease and hepatocellular carcinoma.

**Hepatocellular Carcinoma**-

**Oncologic Imaging**- David G. Bragg 2002-01 Completely updated to reflect the latest developments in science and technology, the second edition of this reference presents the diagnostic imaging tools essential to the detection, diagnosis, staging, treatment planning, and post-treatment management of cancer in both adults and children. Organized by major organs and body systems, the text offers comprehensive, abundantly illustrated guidance to enable both the radiologist and clinical oncologist to better appreciate and overcome the challenges of tumor imaging.