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KEY=SAC - MOODY DECKER

The Human Yolk Sac and Yolk Sac Tumors

Springer Science & Business Media I am honored to have been invited to write a foreword for this book, because tumors of the yolk sac have been a preoccupation of mine since the days of my residency, now more than 3 decades ago. At that time, a 3-year-old boy died of a testicular cancer of unknown histo genesis. It was bad enough that the child died, but it bothered me even more that medical science did not know the histogenesis of the tumor that destroyed him, and I decided to study testicular cancer. For re search training I sought out F. J. Dixon, who had written the Armed Forces Fascicle on testicular tumors. Dr. Dixon and I showed that embryonal carcinoma was a multipoten tial malignant stem cell that differentiated into the three embryonic germ layers of murine teratocarcinoma. This led to the idea that the normal counterpart of embryonal carcinoma must also be multi potent, and we focused on the preimplantation embryo for the histo genesis of the tumor. This idea was strengthened by the discovery that embryonal carcinoma cells made embryoid bodies in the ascites and it was possible to observe the development of these bodies in vitro. These observations led to the idea that embryonal carcinoma was a caricature (gross misrepresentation) of early development, and car cinomas in general were a caricature of the process of renewal of their normal counterpart.

The First Twelve Weeks of Gestation

Springer Leading workers in the field of human reproduction provide both basic knowledge and useful practical information in this book about the most critical phase in the development of a new human being: the first twelve weeks of life. The period from fertilization and implantation to the end of the first trimester is still insufficiently understood and marks a new frontier. The knowledge necessary for applying our present diagnostic capabilities and for venturing into the problematic areas of fertilization technology and embryonic treatment is made easily available in this comprehensive textbook. The book is divided into two parts. The first presents basic information about physiology, anatomy, in vivo investigations, biochemistry and legal aspects. The second part focuses on pregnancy development, monitoring and the clinical diagnosis and management of disorders in the early stages of life. A full section is devoted to assisted conception and the newest possibilities in fertilization technologies, whereby the ethical aspects are also discussed.

Natural Cytotoxicity in the Embryonic Yolk Sac of the Mouse

The Human Teratomas

Experimental and Clinical Biology

Springer Science & Business Media

Urologic Surgical Pathology

Elsevier Health Sciences With sweeping revisions throughout, the new edition of **Urologic Surgical Pathology** equips you to accurately diagnose specimens of the entire urinary tract and male reproductive system plus the adrenal glands. Comprehensive in scope, this title begins with a look at normal anatomy and histology for each organ system...followed by discussions of the pathology of congenital anomalies, inflammations, non-neoplastic diseases and neoplasia. Practical guidance in daily urological pathology sign-out and the latest recommended diagnostic approaches - with an emphasis on clinicopathologic and radiographic-pathologic correlations - makes this a true diagnostic decision-making medical reference. A consistent format enables you to locate critical information quickly, and more than 1600 high-quality illustrations - most in full color - make diagnosis even easier. "A great update of a well know textbook. Uropathology colleagues find it useful". Reviewed by: PathLab.org, June 2014 Rely on the practice-proven experience of today's authorities to identify and diagnose with confidence. Confirm your diagnostic suspicions by comparing your findings to more than 1600 color images and color graphics. Quickly locate the specific information you need through an abundance of tables, diagrams and flowcharts; boxed lists of types and causes of diseases; differential diagnosis; characteristic features of diseases; complications; classifications; and staging. Access the fully searchable text and images online at Expert Consult. Stay current with the latest information on: differential diagnosis for all tumor types encountered in urological surgical pathology practice; urologic tumor specimen handling and reporting guidelines; new entities and updated classification schemes; and newer immunohistochemical and genetic diagnostic methods. Develop targeted therapy specific to a particular patient's problem based on key molecular aspects of disease, especially in relevance to targeted therapy/personalized medicine. Provide the clinician with the most accurate diagnostic and prognostic indicators, by incorporating the latest classification and staging systems in your reports. Deepen your understanding of new diagnostic biomarkers and their utility in differential diagnosis. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

Pathobiology of Human Germ Cell Neoplasia

Springer Science & Business Media Pathobiology of Human Germ Cell Neoplasia is a state-of-the-art compendium on a very recent branch of tumor biology. It offers an awareness and understanding of germ cell tumors: from the earliest stages to their various differentiations. Original data for this volume was supplied by experts in the fields of pathology, developmental biology, genetics, molecular biology and other related fields. This compilation of knowledge provides information necessary to persons working in clinical and preclinical areas.

The First Twelve Weeks of Gestation

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Study of Yolk Sac-derived Endothelial Cells

Journal of the National Cancer Institute

JNCI

Pathology and Biology of Human Germ Cell Tumors

Springer This book provides, for the first time, a detailed, up-to-date, holistic approach to the pathology and biology of germ cell tumors. The main focus is the complex histopathology of these tumors, but special considerations are also given to their morphologic variations in relation to age, gender and organ. Critical updates are provided on terminology and classification; the discussion of biology and pathogenesis includes references to many molecular genetic and immunohistochemical findings from recent stem cell research. Individual chapters are devoted to germ cell tumors at different anatomic locations, including not only the ovaries and testes but also the mediastinum and central nervous system, and pediatric tumors. All of the contributing authors are opinion leaders from universities of excellence in Europe and the United States. This monograph will be of wide interest to practitioners and researchers in many fields of medicine, including pathology, gynecology, urology, and pediatrics, as well as stem cell scientists.

International Classification of Diseases for Oncology

ICD-O

World Health Organization This edition of ICD-O, the standard tool for coding diagnoses of neoplasms in tumour and cancer registrars and in pathology laboratories, has been developed by a working party convened by the International Agency for Research on Cancer / WHO. ICD-O is a dual classification with coding systems for both topography and morphology. The book has five main sections. The first provides general instructions for using the coding systems and gives rules for their implementation in tumour registries and pathology laboratories. Section two includes the numerical list of topography codes, which remain unchanged from the previous edition. The numerical list of morphology codes is presented in the next section, which introduces several new terms and includes considerable revisions of the non-Hodgkin lymphoma and leukaemia sections, based on the WHO Classification of Hematopoietic and Lymphoid Diseases. The five-digit morphology codes allow identification of a tumour or cell type by histology,

behaviour, and grade. Revisions in the morphology section were made in consultation with a large number of experts and were finalised after field-testing in cancer registries around the world. The alphabetical index gives codes for both topography and morphology and includes selected tumour-like lesions and conditions. A guide to differences in morphology codes between the second and third editions is provided in the final section, which includes lists of all new code numbers, new terms and synonyms added to existing code definitions, terms that changed morphology code, terms for conditions now considered malignant, deleted terms, and terms that changed behaviour code.

Sternberg's Diagnostic Surgical Pathology

Lippincott Williams & Wilkins Completely updated, the Fourth Edition of this standard-setting two-volume reference presents the most advanced diagnostic techniques and the latest information on all currently known disease entities. More than 90 preeminent surgical pathologists offer expert advice on the diagnostic evaluation of every type of specimen from every anatomic site. The Fourth Edition contains 3,494 full-color photographs, of which over 1,100 are new. This edition has three distinguished new editors—Joel K. Greenson, MD, Victor E. Reuter, MD, and Mark H. Stoler, MD—and many new contributors. Updates include new immunohistochemical markers for lymphoid neoplasms, current nomenclature for lymphoid tumors, and state-of-the-art molecular genetic tests. A bound-in CD-ROM contains all the images from the book, downloadable to PowerPoint presentations.

Pediatric Germ Cell Tumors

Biology Treatment Survivorship

Springer Science & Business Media Germ cell tumors are relatively rare compared with other malignancies, and compilations of knowledge that encompass the entire spectrum of the disease are lacking. This textbook, written by the foremost authorities in the field, rectifies the situation by discussing in depth a broad range of topics, including biology, epidemiology, pathology, treatment, and late effects. Bearing in mind that germ cell tumors are most prevalent in the adolescent and young adult age group, causes of disease and treatment approaches in pediatric and adult patients are compared and contrasted. By spanning the entire life course, from prenatal origins of disease

through to treatment in adults and late effects of treatment, the editors have produced a book that will be of interest to both pediatric and adult oncologists.

Tumors of the Testis and Adjacent Structures

Amer Registry of Pathology Provides a comprehensive guide to clinical, pathologic, immunohistochemical, molecular biologic, prognostic, and to a limited extent, therapeutic aspects of the various entities. The author have expanded coverage of the immunohistochemical and molecular features of the various lesions. Highly illustrated, mainly in colour.

Rosai and Ackerman's Surgical Pathology E-Book

Elsevier Health Sciences Rosai and Ackerman's Surgical Pathology delivers the authoritative guidance you need to overcome virtually any challenge in surgical pathology. Recognized globally for his unmatched expertise, preeminent specialist Juan Rosai, MD brings you state-of-the-art coverage of the latest advancements in immunohistochemistry, genetics, molecular biology, prognostic/predictive markers, and much more - equipping you to effectively and efficiently diagnose the complete range of neoplastic and non-neoplastic entities. Efficiently review the clinical presentation, gross and microscopic features, ultrastructural and immunohistochemical findings, differential diagnosis, therapy, and prognosis for virtually every pathologic entity. Compare your findings to more than 3,300 outstanding illustrations that capture the characteristic presentation of every type of lesion. Avoid diagnostic pitfalls using Dr. Rosai's expert observations on what to look for, what to be careful about, and which presentations can be misleading. Find quick answers on tumor staging, quality control procedures, and the handling of gross specimens through valuable appendices. Make optimal use of all the very latest advances including our increased understanding of the genetic basis of inherited and acquired disease, the newest molecular genetic and immunohistochemical techniques, and the most recent WHO disease classification schemes.

Pathobiology of Human Germ Cell Neoplasia

Springer Pathobiology of Human Germ Cell Neoplasia is a state-of-the-art compendium on a very recent branch of tumor biology. It offers an awareness and understanding of germ cell tumors: from the earliest stages to their various differentiations. Original data for this volume was supplied by experts in the fields of pathology, developmental biology, genetics, molecular biology and other related fields. This compilation of knowledge provides information necessary to persons working in clinical and preclinical areas.

Diagnostic Histopathology of Tumors

Elsevier Health Sciences Diagnose tumors with confidence with Diagnostic Histopathology of Tumors, 4th Edition. Dr. Christopher Fletcher's renowned reference provides the advanced, expert guidance you need to evaluate and interpret even the most challenging histopathology specimens more quickly and accurately. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Diagnose efficiently and effectively using diagnostic flow charts, correlations of gross appearances to microscopic findings, and differential diagnosis tables for better recognition and evaluation of similar-looking entities. Employ immunohistochemistry, molecular and genetic diagnostic tests, and other modern techniques as well as the best morphologic diagnostic methods to effectively identify each tumor or tumor-like entity. Utilize new, clinically important molecular genetic data and updated classification schemes to help guide treatment and targeted therapy. Apply the latest techniques and diagnostic criteria with completely rewritten chapters on Small and Large Intestines, Heart, Larynx and Trachea, Ear, and Peritoneum. Find critical information quickly thanks to more tables and bulleted lists throughout.

Interrelationship Among Aging, Cancer and

Differentiation

Springer Science & Business Media Proceedings of the Eighteenth Jerusalem Symposium on Quantum Chemistry and Biochemistry held in Jerusalem, Israel, April 29-May 2, 1985

Hematopoietic Stem Cell Development

Springer Science & Business Media This book collects articles on the biology of hematopoietic stem cells during embryonic development, reporting on fly, fish, avian and mammalian models. The text invites a comparative overview of hematopoietic stem cell generation in the different classes, emphasizing conserved trends in development. The book reviews current knowledge on human hematopoietic development and discusses recent breakthroughs of relevance to both researchers and clinicians.

Genital System

Springer Science & Business Media The International Life Sciences Institute (ILSI) was established to stimulate and support scientific research and educational programs in nutrition, toxicology, and food safety; and to encourage cooperation in these programs among scientists from universities, industry, and government in order to facilitate the resolution of health and safety issues. The officers and trustees of ILSI believe that questions regarding health and safety are best resolved when government and industry rely on scientific investigations, analyses, and reviews by independent experts. This process is furthered by the examination and discussion of issues on an international basis. ILSI is pleased to sponsor this set of monographs on the pathology of laboratory animals. This project collectively brings together the most comprehensive information on non-neoplastic and neoplastic lesions that occur in commonly used laboratory animals. The international composition of the authors, editors, and editorial board who have contributed to these monographs strengthens our expectations that understanding and cooperation will be strengthened worldwide through this series.

Embryonal Carcinoma: New Insights for the Healthcare Professional: 2011 Edition

ScholarlyPaper

ScholarlyEditions Embryonal Carcinoma: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Embryonal Carcinoma in a compact format. The editors have built Embryonal Carcinoma: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Embryonal Carcinoma in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Embryonal Carcinoma: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Blaustein's Pathology of the Female Genital Tract

Springer Science & Business Media Since the publication of the first edition 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 fifth edition includes more than 350 new illustrations and 28 revised chapters. Discussion of each specific entity is organized to include general information, etiology, and epidemiology, followed by clinical features, pathologic findings, differential diagnosis, clinical behavior, and treatment. This clear organization is applied throughout the book and allows the reader to quickly access expert information in every chapter.

Carcinogenesis Abstracts

Gynecologic Pathology: Practical Issues and Updates, An Issue of Surgical Pathology Clinics

Elsevier Health Sciences This issue of *Surgical Pathology Clinics*, Guest Edited by Dr. Brooke Howitt, will focus on practical issues and updates around Gynecologic Pathology. This issue is one of four selected each year by the series Consulting Editor, Jason L. Hornick. Topics include, but are not limited to, Non-HPV associated squamous neoplasia of the vulva and vagina; HPV-associated squamous neoplasia of the lower female genital tract; Cervical glandular neoplasia: classification and staging; Preinvasive lesions of the endometrium; Endometrial carcinoma: Grossing, frozen section evaluation, staging, and sentinel lymph node evaluation; High grade endometrial carcinomas: Classification with molecular insights; Uterine mesenchymal tumors: Classification, staging, and updates in molecular testing; Smooth muscle neoplasia of the female genital tract; Germ cell tumors of the female genital tract; Fallopian tube neoplasia and mimics; Low grade serous neoplasia of the female genital tract; Ovarian high grade serous carcinoma: Staging, assessing site of origin and the post-neoadjuvant chemotherapy setting; Ovarian mucinous tumors; Endometrioid and clear cell tumors of the ovary; and Ovarian sex cord stromal tumors.

Animal Models of Human Disease

Diagnosis and Management of Malignant Solid Tumors in Infants and Children

Springer Science & Business Media The field of pediatric oncology encompasses four groups of malignancies - acute leukemias, brain tumors, lymphomas and solid tumors. The history, diagnosis and management of children with acute

leukemias and lymphomas has been thoroughly examined in several excellent textbooks of pediatric hematology and oncology. Brain tumors have historically been managed by neurosurgeons and radiation therapists. The role of the pediatric oncologist in the management of these patients is evolving. This book was written to provide a thorough historical evaluation of the most frequent solid tumors of children. A detailed examination of the natural history of these tumors is essential to the design and evaluation of therapeutic trials. The highly lethal nature of many of these tumors, the occurrence of some of them at several different primary sites and the rarity of these tumors have made systematic study of them difficult. Conclusions regarding the efficacy of a particular modification of the therapeutic strategy can be strongly influenced by the assumed natural history of the tumor. I have tried to develop as accurately as the literature would allow a picture of the natural history of the common malignant solid tumors, knowing that the image would be imperfect. I adopted a convention which was employed in all graphs constructed from case reports summarized from the literature.

Journal

Scandinavian Journal of Immunology. 1976, Supplement
Nr.4

Human Alpha-fetoprotein. A Review of Recent Methodological and Clinical Studies

In recent years an extensive literature has described the importance of human alpha-fetoprotein (AFP) as a marker in cancer research and in fetal pathophysiology. This book is a short review of recent advances in the field. The second part deals with the clinical application of AFP determinations during ontogenesis - i.e. fetal, amniotic and maternal AFP in normal and pathological states - and during oncogenesis - i.e. the reappearance of AFP in primary liver cancer, in germinal cell tumors (yolk sac tumors), in other malignant diseases, and in nonmalignant diseases.

Progress in Surgical Pathology

Volume XII

Springer Science & Business Media Contents: The Use of Immunohistochemistry: Present and Future - The Expression of Vimentin in Epithelial Neoplasms - Morphologic Manifestations of Malignant Lymphomas in the Spleen. A Histologic and Immunohistochemical Study of 500 Biopsy Cases - Demonstration of Epstein-Barr Viral Genomes in Routine Paraffin Sections of Lymphoproliferative and Epithelial Lesions by in Situ Hybridization - Carcinoma of the Lung; Changing Sex Distribution and Histopathologic Cell Types - Pulmonary Pathology in Lung Transplant Patients - Bronchiolitis Obliterans with Organizing Pneumonia and Constrictive Bronchiolitis: Comparative Analysis of Two Distinct Entities - Lymphoid Interstitial Pneumonia in HIV Infected Individuals. Long-Term Clinicopathologic Observations in 52 Patients and Pathogenesis - Genital Human Papillomavirus (HPV) Infections and Their Associations with Squamous Cell Cancer: Reappraisal of the Morphologic, Epidemiologic and DNA Data - Central and Peripheral Bronchial Carcinoids Possess Distinct Peptide Immunostaining Patterns - Diagnosis of Rhabdomyosarcomas with Particular Reference to Immunohistochemical Markers - Borderline Lesions of the Gastric Epithelium: New Indicators of Cancer Risk and Clinical Implications - The Pathology of Secondary Human Yolk Sac in Spontaneous Abortion: Findings in 103 Cases

ICRDB Cancergram

Sarcomas and related tumors. Diagnosis, treatment.

Series CT12

Tumors of the Ovary, Maldeveloped Gonads, Fallopian Tube, and Broad Ligament

Amer Registry of Pathology

Human Alpha-fetoprotein

A Review of Recent Methodological and Clinical Studies

Diagnostic Imaging of Mediastinal Diseases

Springer Nature This book systematically introduces the clinical and imaging characteristics of mediastinal diseases, with emphasis on the essential relationship between clinical diseases and imaging, and on imaging diagnosis and differential diagnosis. This book systematically expounds the etiology, clinical and imaging manifestations, diagnosis, differential diagnosis and treatment of diseases, supplemented by a large number of cases to focus on analysis, focus on clinical thinking, and strive to combine theory with practice, so that readers have a systematic and in-depth understanding of diagnosis and treatment and differential diagnosis of related diseases.

Blaustein's Pathology of the Female Genital Tract

Springer Science & Business Media 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, i

The Human Placenta

Wiley-Blackwell The placenta is fascinating and complex. Basically foreign to the maternal body, it can be thought of as an organ transplanted onto the mother's host tissue. As such it embodies all the principles of tissue acceptance and rejection. Many of the risks of pregnancy and labor have now been eliminated and the placenta is likely to be at the root of many of the dangers to the unborn child that remain. A breakdown of the relationship between the placenta and the maternal tissue may turn out to be the cause of the majority of early lost pregnancies.

Progress in Surgical Pathology

Volume XI

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Progress in Surgical Pathology

Germ Cell Tumors

PMPH-USA Crafted as a descriptive and visual text, **Germ Cell Tumors** features definitive reviews of the biology, diagnosis, and management of germ cell tumors. Incorporating extensive illustrations and tables, this book reviews the progress that has been made in the curative therapy of germ cell tumors over the past 25 years, progress that has led to the positioning of germ cell tumor therapy as the paradigm of curative treatment in adult solid tumors. Most of the work has been produced on a multi-disciplinary basis, emphasizing the use of different diagnostic, laboratory, imaging, and management tools. In addition to a scientific and clinical review, a series of detailed discussions on the psychosocial issues, patient support, and management of the occasional problem cases that do not result in cure are featured. **Germ Cell Tumors** has been carefully illustrated with new photographs that illustrate diagnostic approaches, surgical techniques, and management complications. Extensive graphs and tables illustrate the results of treatment.

Germ Cell Tumor

BoD - Books on Demand The book aims to provide an overview of current knowledge regarding germ cell tumors. It deals with the clinical presentations, treatment modalities, the biology and genetics of germ cell tumors in children and adults. Most chapters are focused on testicular germ cell tumors whose incidence has been increasing in young males. Included are reviews on the pathogenesis, risk factors, diagnosis and treatment regimens applied to precursor, pre-invasive lesions as well as to seminomatous and non-seminomatous germ cell tumors of the testes. In addition, a review is included on the diagnosis and current management options for intracranial germ cell tumors in children. Authors have also contributed articles on the genetics and epigenetics of germ cell tumor development in humans and in the mouse model system. This book will be of interest to scientists, physicians and lay readers wishing to review recent developments in the field of germ cell cancers.

Pediatric Cancer, Volume 2

Teratoid/Rhabdoid, Brain Tumors, and Glioma

Springer Science & Business Media A general introduction to the principles of diagnosis and treatment of children with brain tumors is presented. Molecular characterization of solid tumors is also presented. Molecular pathways provide putative targets for new therapies. High resolution magic spinning NMR spectroscopy is explained, which is used to determine metabolic profiles for small pieces of intact tissue and whole cells in culture. The differences between adult and pediatric brain tumors are outlined. It is emphasized that pediatric low-grade gliomas need lower doses of antitumor drugs such as cisplatin/etoposide. It is explained that tumor suppressor genes and oncogenes play a crucial role in the development and progression of human malignancies, including those in children. Neurofibromatosis type-1 is a common genetic disorder with a high prevalence in CNS abnormalities including tumors in children; which is discussed in detail. Various neuroradiological imaging modalities in children with leukemia are detailed. Also are detailed results of clinical trials in pediatric brain tumors, such as medulloblastoma, ependymoma, craniopharyngioma, low-grade glioma, high-grade glioma, brainstem glioma, and germ cell tumors, using radiotherapy. Considering the clinical importance of epilepsy in the primary brain tumors in children, its symptoms, diagnosis, and treatments (surgery and antiepileptic drugs) are discussed.