

Disorders Of The Placenta Fetus And Neonate Diagnosis And Clinical Significance

[Vascular Biology of the Placenta](#)[Pathology of the Placenta](#)[The Placenta Life's Vital Link The Evolution of the Human Placenta](#)[Pathology of the Placenta](#)[Vascular Biology of the Placenta](#)[Placenta Manual of Pathology of the Human Placenta](#)[Placenta and Trophoblast](#)[Vascular Biology of the Placenta](#)[Benirschke's Pathology of the Human Placenta](#)[Pathology of the Human Placenta](#)[HIV, Perinatal Infections, and Therapy](#)[Placenta and Trophoblast](#)[The Human Placenta](#)[Pathology of the Human Placenta](#)[Placental Bed Disorders](#)[Placental-Fetal Growth Restriction](#)[Placental and Gestational Pathology with Online Resource](#)[The Placenta and Human Developmental Programming](#)[Human Placenta](#)[The Guide to Investigation of Mouse Pregnancy](#)[Pathology of the Placenta](#)[Pathology of the Human Placenta](#)[Placenta Clinical Pathology of the Placenta](#)[Diagnostic Pathology: Placenta](#)[Pathology of the Human Placenta](#)[Ultrasonographic Aspects of the Placenta](#)[The Placenta](#)[The Placenta](#)[Morphometry of the Placental Exchange Area](#)[Placenta - The Forgotten Chakra](#)[Birthing Your Placenta](#)[The Placenta and Human Developmental Programming](#)[Review of Medical Embryology](#)[Respiratory Disease in Pregnancy](#)[Atlas of Memoir Upon the Utricular Glands of the Uteru](#)[Bi](#)[Diagnostic Pathology: Placenta E-Book](#)

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[Pathology of the Human Placenta](#)Jun 09 2021 Pathology of the Human Placenta has become the gold standard in the field for pathologists and obstetrician-gynecologists. Completely up-to-date, this fifth edition continues to be the essential reference for professionals in the field and includes many revised features such as a more detailed index; 700 total illustrations (350 color illustrations); and updated tables.

[Human Placenta](#)Jan 04 2021 The placenta is a fetomaternal organ provided by nature to aid development of the growing embryo by facilitating gas and nutrient exchange between the mother and foetus and by helping to maintain fetomaternal tolerance. Aside from playing an age-old and essential role in foetal development, placental tissues have also attracted the interest of clinical scientists due to their potential utility as a therapeutic agent. This book provides an overview of the clinical applications which have been described for placental tissue or are currently applied, as well as a summary of the most recent results obtained in pre-clinical studies, which present promising perspectives for the future clinical application of these cells. The trophoblast, a cell type of the placenta, is also outlined in this book, as well as its function in the placenta during pregnancy and its role in developmental processes and gynecological diseases. In addition, pregnancy-specific glycoproteins (PSGs) are secreted proteins which are produced by the rodent and primate placenta, and play a critical role in pregnancy success. This book summarises and analyses the data on structure and function of PSGs known to date. Relatively recent data of PSG-derived biologically active peptides are also described. Other chapters examine placental functions and their role in predicting development and disease in infancy and childhood, and the role of insulin like growth factors (IFGs) in normal and abnormal placental and foetal development during pregnancy.

[The Guide to Investigation of Mouse Pregnancy](#)Dec 03 2020 The Guide to Investigation of Mouse Pregnancy is the first publication to cover the mouse placenta or the angiogenic tree the mother develops to support the placenta. This much-needed resource covers monitoring of the cardiovascular system, gestational programming of chronic adult disease, epigenetic regulation, gene imprinting, and stem cells. Offering detailed and integrated information on how drugs, biologics, stress, and manipulations impact pregnancy in the mouse model, this reference highlights techniques used to analyze mouse pregnancy. Joining the ranks of much referenced mouse resources, The Guide to Investigation of Mouse Pregnancy is the only manual providing needed content on pregnancy in animal models for translational medicine and research. Provides instruction on how to collect pre-clinical data on pregnancy in mouse models for eventual use in human applications Describes the angiogenic tree the mother's uterus develops to support pregnancy and the monitoring of pregnancy-induced cardiovascular changes Educates readers on placental cell lineages, decidual development including immune cells, epigenetic regulation, gene imprinting, stem cells, birth and lactation Discusses how stress, environmental toxicants and other manipulations impact upon placental function and pregnancy success

The Placenta Mar 26 2020 This book is a comprehensive work that spans the gap between basic knowledge and clinical significance of the placenta. Starting from normal development, it deals with the histopathology of the placenta, leads the reader on to functional disorders and insufficiencies and explains their effects on mother and child. Based on this, the authors convey in a practical and user-friendly manner everything worth knowing about diagnostics and therapy and provide valuable information for the optimal care of the pregnant patient.

Birthing Your Placenta Nov 21 2019 Have you ever thought about how the placenta is born? Did you know that there are actually three different approaches to the birth of the placenta within maternity care? Are you aware that research has shown significant advantages to the baby in taking a slower approach, however the placenta is born. Or that there is plenty of evidence to support a more natural approach for healthy women who would prefer that? This book has been written to help women make decisions about the birth of their placenta. We examine the different options, detail the evidence relating to each and discuss the wider context in which these decisions are made. No matter what kind of birth you are hoping for, this book will help you understand the different options. Dr Nadine Edwards and Dr Sara Wickham are world renowned and respected researchers and writers who have a long-standing interest in the birth of the placenta and the evidence relating to this. This is a completely revised and updated edition of their popular book on this topic.

Life's Vital Link Jul 22 2022 The development of the placenta was a pivotal event in evolution. Without it, we would still be laying eggs instead of giving birth to live offspring. It represents the critical link between the foetus and the mother, but its character is extraordinary — it is, in effect, a foreign tissue that invades the mother's body. Compared to many other animals, the human placenta represents a particularly aggressive body. But how is it managed and controlled? How did such an organ evolve in the first place? And why is it tolerated by the mother? Y.W. Loke explores the nature of the placenta and what it can tell us about evolution, development, and genetics.

Pathology of the Placenta Sep 24 2022 This book provides a comprehensive resource on the pathology of the human singleton placenta. Agreed nomenclature, nosology, definitions and, where possible, thresholds for meaningful clinical corrections for lesions ideal for practical application in clinical practice are presented. Evidence is also featured on relevant potential clinical correlations to aid the reader in deciding upon the most appropriate management strategy. Areas of current uncertainty are also covered for potential future research. Pathology of the Placenta systematically describes placental pathology, and represents a valuable resource for practising and trainee pathologists, obstetricians, neonatologists and epidemiologists.

Morphometry of the Placental Exchange Area Jan 24 2020 Considering the placenta from the functional point of view as an exchange organ between mother and foetus, it is noteworthy that placentas of all types have a common structural principle in that all placentas have structures enlarging the surface area available for exchange, as is also the case with other organs with similar functions, such as the lungs, kidneys and intestine. It may therefore be assumed that a quantitative relationship must exist between the structure of the placenta and its function. Accurate information on this relationship could contribute to better understanding of the placenta and of its function. The study of this relationship requires quantitative physiological and morphological data. Detailed data on quantitative morphology (morphometry) are available mainly for the human placenta. Even these data, however, are rather sparse as far as the early stages of development are concerned, because most studies relate to full term placentas (see Aherne, 1975; Bender et al., 1974; Laga et al., 1973; Geissler et al., 1972; Baur, 1972; Cattoor, 1967; Aherne and Dunnill, 1966). We know of only a few morphometric studies concerned with placentas of other animal species. These studies relate to investigations on the development of the placenta of sheep (Stegeman, 1974) and of cat tle (Baur, 1972), and measurements carried out on full term placentas of the guinea pig (Millier et al., 1967) and on full term placentas of various other species (Baur, 1973).

Placental-Fetal Growth Restriction Apr 07 2021 Master the effective evaluation of placental-fetal growth restriction (PFGR), whilst developing strategies to reduce the risk of perinatal mortality and morbidity in patients worldwide. **Ultrasonographic Aspects of the Placenta** Apr 26 2020

Placenta and Trophoblast Aug 11 2021 The aim of the two-volume set of *Placenta and Trophoblast: Methods and Protocols* is to offer contemporary approaches for studying the biology of the placenta. The chapters contained herein also address critical features of the female organ within which the embryo is housed, the uterus, and some aspects of the embryo-fetus itself, particularly those of common experimental animal models. In keeping with the organization used effectively in other volumes in this series, each chapter has a brief introduction followed by a list of required items, protocols, and notes designed to help the reader perform the experiments without difficulty. In both volumes, sources of supplies are given and illustrations highlight particular techniques as well as expected outcomes. A key aspect of these volumes is that the contributors are at the forefronts of their disciplines, thus ensuring the accuracy and usefulness of the chapters. Placenta research has progressed rapidly over the past several decades by taking advantage of the technical advances made in other fields. For example, the reader will note that many techniques, such as reverse transcriptase polymerase chain reaction, northern and western blotting, microarray analyses and in situ hybridization experiments, are routinely used for dissecting a wide range of experimental questions. Protein analysis and functional experiments on tissues and cells that comprise the maternal-fetal interface benefit from studies in endocrinology, immunology, and developmental biology. These volumes also present new ideas on investigating gene imprinting and gene transfer via viral vectors.

The Placenta Aug 23 2022 *The Placenta: From Development to Disease* examines research into placental function

and its clinical implications to provide a springboard for improving clinical practice and enhancing medical research. Influential information is extracted from the compelling narrative by the use of 'take home' features including: Clinical Pearls – point to important issues in clinical practice Research Spotlights - highlight key insights into placental understanding Teaching Points – explain basic concepts for novice readers The Placenta: From Development to Disease is ideal for both experienced clinicians and researchers and those new to the field. Anyone who needs to understand the central importance of the placenta in the well being of their maternal and fetal patients should read this book.

Diagnostic Pathology: Placenta Jun 28 2020 Part of the highly regarded Diagnostic Pathology series, this updated volume covers all aspects of placental pathology and the critical role the placenta plays in the unique interface between mother and fetus. Concise, focused chapters, supported by tables, diagrams, and photographs, keep you up-to-date with evolving changes in the questions and issues concerning both the fetus/infant and the mother. This revised edition is ideal for pathologists at all levels of experience and training for use as a quick reference and as an efficient review to improve knowledge and skills. Provides clear and concise information on gross and microscopic changes of the placenta, common diagnoses, and placental evaluation in special circumstances Includes updated terminology and diagnostic criteria, new recommendations for the use of molecular techniques such as SNP array or whole genome sequencing for evaluation of stillbirth, and more images to illustrate challenging diagnoses Contains new chapters on pathology of maternal mortality, complications of twin pregnancies, and hypoxic-ischemic encephalopathy, as well as expanded chapters on gestational trophoblastic disease and new coverage of twin anemia polycythemia sequence (TAPS) Covers pregnancy complications such as preeclampsia, intrauterine growth restriction, and multiple gestations, highlighting placental findings, key correlates, relevant fetal organ pathology, and the pathology of the postpartum hysterectomy Time-saving reference features include bulleted text, annotated images, reference tables for placental evaluation, and sample templates useful for gross and microscopic placental description Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

Benirschke's Pathology of the Human Placenta Nov 14 2021 This book had its beginning in 1967 when Shirley G. Driscoll and Kurt Benirschke wrote in English the volume on placental pathology for the Henke-Lubarsch, the noted German Handbook of Pathology. There seemed to be a need for wider distribution of the text and it was reprinted by Springer Verlag, New York, essentially the only book available devoted just to the human placenta. Dr. Benirschke authored 5 subsequent editions in collaboration with Peter Kaufmann, Rebecca Baergen and Graham Burton in 1990 (2nd edition), 1995 (3rd edition), 2000 (4th edition), 2006 (5th edition) and 2012 (6th edition). In the early editions, the most important material was in a larger font than the extensive review of exceptions and the discussion in the literature. Since 1967, many other shorter placenta books have been published in English, French and German. None of these have included the breadth of discussion or the voluminous references which includes details of many historic articles, not readily available. Interest in the placenta has wildly expanded over the intervening 50+ years with the vast majority of Pathologists, Obstetricians and Pediatricians recognizing its value. In addition, there are now quite a few new journals, societies and meetings devoted to the placenta in both clinical and research areas. The interest extends into areas of study well beyond the realm of anatomic pathology. The 7th edition will, of necessity, differ from the prior editions which Dr. Benirschke wrote largely himself at first, and later with the help of the above noted co-authors. It will now be an international multi-authored book with nearly 40 contributors revising one or more chapters. The explosion of new information as necessitating some reordering of chapters and adding completely new chapters including Chapters 31 and 32, "Innovations in Placental Pathology" and "Imaging in Placental Pathology". Dr. Burton's section has been extensively edited, as well. The editors gave the new authors considerable latitude in how to write the new and/or edited chapters. Many of the revised chapters retain much of Dr. Benirschke's anecdotal information as well as the voluminous references. Others are more modern in their approach. All contain substantial new references and current information. It is our hope that Benirschke's Pathology of the Human Placenta will remain as a mainstay reference in placental pathology. It aims to help readers gain a broad understanding of how placental architecture is shaped during normal development, with a view to appreciating how this may be perturbed in complications of pregnancy.

The Placenta Feb 23 2020 The placenta plays an essential role in childbirth. It becomes disposable after the baby is born which makes it the only organ in the human body that serves a vital function and then becomes obsolete. It is an extremely complex piece of biological equipment which allows the mothers and the baby's blood to come into very close contact, without mixing, to supply nutrients and oxygen to the baby, and move waste products like carbon dioxide back from baby to mother. Thus, the placenta acts as the lung, kidney and digestive system for the baby. The placenta also plays an important role in hormone production. Human chorionic gonadotropin is produced by the placenta and can be found in the baby's blood as early as 10 days into pregnancy. The placenta is also responsible for the production of other hormones including oestrogen and progesterone and protects the baby from possible infection or from damage by substances found in the environment or used by the mother, such as alcohol, drugs, pollutants and endocrine disrupters. This book presents the reader with a comprehensive, well written and informative collection of chapters written by experts from around the world. It will be a valuable asset for anyone interested in reproduction and pregnancy and wanting to access excellent reviews as well as the most current discussion of the biology and medicine of the placenta.

Placenta and Trophoblast Jan 16 2022 Placenta Methods and Protocols represents a collection of detailed methodologies used in contemporary placental research. Techniques presented in the text range from comprehensive descriptions of experimental animal models, animal and human placental organ and cell culture systems, and morphological, biochemical, and molecular strategies for assessing trophoblast/placental growth, differentiation, and function.

Placenta Aug 31 2020 The placenta is a source of non-embryonic (i.e. not from the embryo or fetus) stem cells that can be used for research and potentially for a variety of therapies. Stem cells can be harvested following birth, thus avoiding some of the ethical/moral concerns. This book is devoted to the therapeutic and research potential uses for stem cells. It al

Placental Bed Disorders May 08 2021 It is now recognized that defective placentation in the human is a cause of many pregnancy complications, such as spontaneous abortion, preterm labor and delivery, pre-eclampsia, intrauterine growth restriction, fetal death and abruptio placenta. These clinical disorders can often have long-term consequences into adulthood, causing cardiovascular disease, obesity and diabetes for the newborn as well as an increased risk of premature death in the mother. This is the first book to be entirely focused on the placental bed, bringing together the results of basic and clinical research in cell biology, immunology, endocrinology, pathology, genetics and imaging to consolidate in a single, informative source for investigators and clinicians. Its core aim is to explore new approaches and improve current clinical practice. This is essential reading for clinicians in obstetric, cardiovascular and reproductive medicine.

Pathology of the Placenta Nov 02 2020 Here's the completely revised, updated and expanded 2nd Edition of this definitive reference on placental pathology. Presents reliable, step-by-step guidance on placental examination techniques, and also examines infection and multiple gestations. This comprehensive edition features a new chapter on ultrasound, which provides critical antenatal information not available in pathology texts, and also features a chapter detailing the latest information on molecular biology. Breaks down the complexities of placental pathology into the components of structure and function, followed by specialty topics to make this material easy to grasp and apply. Provides step-by-step guidance to placental examination techniques. Examines infection and multiple gestations. Contains up-to-date discussions on diagnosis, placental biology, abnormal and normal physiology and pathology. Offers a new chapter on ultrasound, which provides critical antenatal information not available in pathology texts. Presents a new chapter on the latest in molecular biology, essential to the understanding of new concepts and diagnoses. Features 245 high-quality images cross-referenced to more encyclopedic discussions later in the book that further assist you in identifying often overlooked areas.

Pathology of the Human Placenta Oct 01 2020 Completely reorganized - a practical, how-to guide to placental examination plus the most authoritative reference available on all aspects of the normal and abnormal placenta. New chapters have been added on: Normative Values and Tables, Microscopic Survey and Histopathological Approach to Villous Alterations. More extensive indexing help meet the daily demands of both the novice and experienced placental pathologists.

Vascular Biology of the Placenta Oct 25 2022 The placenta is an organ that connects the developing fetus to the uterine wall, thereby allowing nutrient uptake, waste elimination, and gas exchange via the mother's blood supply. Proper vascular development in the placenta is fundamental to ensuring a healthy fetus and successful pregnancy. This book provides an up-to-date summary and synthesis of knowledge regarding placental vascular biology and discusses the relevance of this vascular bed to the functions of the human placenta.

Vascular Biology of the Placenta Apr 19 2022 The placenta is an organ that connects the developing fetus to the uterine wall, thereby allowing nutrient uptake, waste elimination, and gas exchange via the mother's blood supply. Proper vascular development in the placenta is fundamental to ensuring a healthy fetus and successful pregnancy. This book provides an up-to-date summary and synthesis of knowledge regarding placental vascular biology and discusses the relevance of this vascular bed to the functions of the human placenta.

Placenta - The Forgotten Chakra Dec 23 2019 Journey through the traditions, myths, facts and rituals concerning Placenta... the Forgotten Chakra. This book blends respect for culture and respect for nature, while standing firmly on scientific research that confirms what midwives have long known: the most gentle, time honored, least invasive birth protocols are best. For Birth Keepers and for expectant families, who, for each baby, have a once in a lifetime opportunity to go slowly and prevent birth trauma, it is a must read. Because peace begins with each child, it makes perfect sense to practice birth without violence.

Manual of Pathology of the Human Placenta Feb 17 2022 Manual of Pathology of the Human Placenta, Second Edition is a concise, practical manual of placental pathology. While references are made to the more encyclopedic Pathology of the Human Placenta, this Manual is designed as a user-friendly, easy-to-read bench manual that can be used in the grossing room as well as at the microscope. Features of the text include:- A section on the approach to the placental specimen, providing suggestions on what to do, as well as when and how to do it.- Discussion of detailed development and normal histology of all parts of the placenta for those wanting to learn about specific areas of the placenta.- Discussion of placental lesions, disease processes related to the placenta, neoplasms, and trophoblastic lesions. An overview of the legal implications of placental examination and future direction. "Suggestions for Examination and Report" includes key points in gross examination, sectioning, and diagnosis. Suggestions for comments in the surgical pathology report guide the reader in problematic situations or when the diagnosis or

diagnostic implications are unclear. An abundance of tables summarize pertinent information and provide easy access to the differential diagnoses of various lesions. *Manual of Pathology of the Human Placenta* is a must-have reference for every pathologist, resident and pathology assistant.

Pathology of the Placenta May 20 2022 Now in its third edition, this "benchside" reference provides you with a structured diagnostic approach to the features of the placenta most commonly encountered in the investigation of adverse fetal outcomes. Inside, you'll find detailed discussions on cytogenetics and molecular biology as well as the latest developments in coagulopathy, infections, chorioamnionitis, preeclampsia, trophoblastic disease, and twin pregnancies among others. Plus, a new format facilitates information retrieval and new color clinical and pathologic images help you recognize and diagnose lesions better than ever. Access the most authoritative and effective diagnostic help with step-by-step guidance on placental examination techniques. Get the clinical information you need without superfluous details. Create better reports or prepare for exams with comprehensive coverage of all benign and malignant disorders of placental abnormalities. Increase your diagnostic acumen with new and expanded topics such as apoptosis in the normal and pathological placenta, pathogenesis of miscarriage, placental infections (especially malaria and HIV), chorioamnionitis with special reference to its role in cerebral palsy, preeclampsia, gestational trophoblastic disease, medico-legal aspects of the placenta, and much more. Perform a complete diagnostic workup with detailed coverage of molecular biology, immunohistochemistry, and cytogenetics. Diagnose confidently with the addition of full-color images throughout. Find the information you need quickly thanks to a new user-friendly format, including bullet points, summary tables, and take-home messages.

Pathology of the Human Placenta Oct 13 2021 The fifth edition of *Pathology of the Human Placenta* will ensure this book remains the authoritative text in the field. This fifth edition reflects new advances in the field and includes 800 illustrations, 173 of them in color.

Vascular Biology of the Placenta Dec 15 2021 The placenta is an organ that connects the developing fetus to the uterine wall, thereby allowing nutrient uptake, waste elimination, and gas exchange via the mother's blood supply. Proper vascular development in the placenta is fundamental to ensuring a healthy fetus and successful pregnancy. This book provides an up-to-date summary and synthesis of knowledge regarding placental vascular biology and discusses the relevance of this vascular bed to the functions of the human placenta.

Respiratory Disease in Pregnancy Aug 19 2019 Covers a broad spectrum of respiratory diseases during pregnancy, in order to improve successful management of both mother and fetus.

Placenta Mar 18 2022 Long regarded as biological waste, the placenta is gaining momentum as a viable product for clinical use. Due to their unique properties, placental cells and derivatives show great promise in curing various diseases. Utilizing contributions from world-renowned experts, *Placenta: The Tree of Life* considers the therapeutic potential of these cells. It examines new stem cell-based strategies and highlights recent studies that advance the range of treatment for a number of illnesses. Emphasizing the potential research and therapeutic use of stem cells, the book discusses the development, structure, and functions of the human placenta. It introduces overall aspects of the immune system, explains some of the immune mechanisms during pregnancy, and shows the role of the placenta in these mechanisms. Current scientific research is presented that focuses on the mechanisms of action underlying the therapeutic benefit of cells isolated from different placental regions. An exhaustive examination, this pivotal work: Considers how perinatal cells may represent an important source for cell therapy approaches in the near future, in both human and veterinary medicine Describes the clinical potential of placenta-derived cells in regenerative medicine—specifically in neurological disorders, metabolic liver diseases, inflammatory diseases, and autoimmune diseases Explains how cells isolated from different placental tissues share basic properties *Placenta: The Tree of Life* summarizes the advantages of perinatal tissue as a source of cells with therapeutic potential and is designed for use in the study of genetics, stem cell science, placental function, reproductive biology, regenerative medicine, and related fields.

The Placenta and Human Developmental Programming Feb 05 2021 Developmental programming is a rapidly advancing discipline of great importance to basic scientists and health professionals alike. This text integrates, for the first time, contributions from world experts to explore the role of the placenta in developmental programming. The book considers the materno-fetal supply line, and how perturbations of placental development impact on its functional capacity. Chapters examine ways in which environmental, immunological and vascular insults regulate expression of conventional and imprinted genes, along with their impact on placental shape and size, transport, metabolism and endocrine function. Research in animal models is integrated with human clinical and epidemiological data, and questions for future research are identified. Transcripts of discussions between the authors allow readers to engage with controversial issues. Essential reading for researchers in placental biology and developmental programming, as well as specialists and trainees in the wider field of reproductive medicine.

Pathology of the Human Placenta May 28 2020 *Pathology of the Human Placenta* remains the authoritative text in the field and is respected and used by pathologists and obstetrician-gynecologists alike. Advances in genetics and molecular biology continue to make the study of the placenta one of vast diagnostic and legal importance. New to this edition is author, Rebecca Baergen, M.D., Chief of Perinatal and Pediatric Pathology at The New York Hospital-Cornell Hospital Medical Center and author of the "Manual of Benirschke and Kaufmann's Pathology of the Human Placenta." The fifth edition reflects new advances in the field and includes 173 new color illustrations.

Clinical Pathology of the Placenta Jul 30 2020 This book performs a distinct introduction to the pathology of the

placenta and its membranes, abortion material included, with the aim to facilitate and protect the quality of the morphological placental diagnostics by the pathologists. Seven chapters with coloured figures illustrating gross anatomy, development and maturation of the placenta explain the functional morphology in its clinical correlation of single and multiple findings for the pathologists, obstetricians and neonatologists. Moreover, the book contributes to a better understanding of pre- and perinatal investigations, maternal diseases, fetal outcomes and follow up of the newborns, as well as to the prevention of worse outcome in further pregnancies. The atlas intends to stimulate the interest for perinatal pathology and to contribute to a better interdisciplinary understanding of pathologists and clinicians, midwives and nurses.

The Human Placenta Jul 10 2021 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.

Placental and Gestational Pathology with Online Resource Mar 06 2021 A guide to identifying disease processes in the placenta affecting pregnancy outcome, with current diagnostic criteria and clinical consequences.

The Evolution of the Human Placenta Jun 21 2022 In the process, they reveal the vital importance of this organ—which is composed mostly of fetal cells—for us as individuals and as a species.

Diagnostic Pathology: Placenta E-Book Jun 16 2019 Part of the highly regarded Diagnostic Pathology series, this updated volume covers all aspects of placental pathology and the critical role the placenta plays in the unique interface between mother and fetus. Concise, focused chapters, supported by tables, diagrams, and photographs, keep you up-to-date with evolving changes in the questions and issues concerning both the fetus/infant and the mother. This revised edition is ideal for pathologists at all levels of experience and training for use as a quick reference and as an efficient review to improve knowledge and skills. Provides clear and concise information on gross and microscopic changes of the placenta, common diagnoses, and placental evaluation in special circumstances Includes updated terminology and diagnostic criteria, new recommendations for the use of molecular techniques such as SNP array or whole genome sequencing for evaluation of stillbirth, and more images to illustrate challenging diagnoses Contains new chapters on pathology of maternal mortality, complications of twin pregnancies, and hypoxic-ischemic encephalopathy, as well as expanded chapters on gestational trophoblastic disease and new coverage of twin anemia polycythemia sequence (TAPS) Covers pregnancy complications such as preeclampsia, intrauterine growth restriction, and multiple gestations, highlighting placental findings, key correlates, relevant fetal organ pathology, and the pathology of the postpartum hysterectomy Time-saving reference features include bulleted text, annotated images, reference tables for placental evaluation, and sample templates useful for gross and microscopic placental description

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Atlas of Memoir Upon the Utricular Glands of the Uterus Jul 18 2019

Review of Medical Embryology Sep 19 2019

HIV, Perinatal Infections, and Therapy Sep 12 2021 Papers on the role of the placenta in HIV and other perinatal infections.