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SHELTON CASSIUS

Current Controversies in Perinatology, An Issue of Clinics in Perinatology, Elsevier Health Sciences
The spectrum of cardiovascular disease affecting women in pregnancy and postpartum is changing and differs between countries. In the western world, the risk of cardiovascular disease in pregnancy has increased due to the increasing age at the first pregnancy and the worldwide obesity epidemic leading also to early diabetes and hypertension. In addition the treatment of congenital heart disease has improved leading to an increased number of women with residual heart disease reaching childbearing age. In the western world maternal heart disease is now the major cause of maternal death during pregnancy. In the developing world rheumatic heart disease and the cardiomyopathies dominate. Those women often need anticoagulation as they might have had a valve replacement or formed a thrombus in the left heart. Drugs during pregnancy and the breastfeeding period is a complex subject and there is a profound shortage of evidence based recommendations. As drug treatment in

pregnancy concern the mother and the fetus optimum treatment of both must be targeted. This book aims at discussing the most important indications of drug usage in pregnancy and postpartum with the aim of weighing the potential risk of a drug and the possible benefit against each other. *Nutraceuticals for Prenatal, Maternal, and Offspring's Nutritional Health* Psychology Press

A new edition of this state-of-the-art reference on the diagnosis and management of the abnormal foetus. Expanding on the first edition, this text brings together the expertise of 50 world specialists with up-to-date coverage of prenatal diagnostic techniques and therapeutic options. The book outlines the pathophysiology, options for management and technical aspects of treatment for each disorder.

Cardiac Drugs in Pregnancy W.B. Saunders Company

This comprehensive volume is one of the first books to offer the reader detailed insight into sources of perinatal stem cells, their biology, and their potential for disease treatment. It examines the research and therapeutic applications of perinatal stem cells including the treatment of renal disease, hematopoietic regeneration, cardiac disease, inflammatory disease, bone

regeneration, pulmonary disease, and the treatment of spinal cord injury. Further, the book discusses current progress in the manufacturing, banking and clinical translation of perinatal stem cells. Through this book, readers will gain a thorough understanding of the current pre-clinical and clinical applications of perinatal stem cells as well as the efforts to support the transition of perinatal stem cell therapies from laboratories to clinics. Perinatal Stem Cells contains thirty-two chapters written by internationally recognized leaders in stem cell research. It is organized into four sections covering amniotic fluid stem cells, placental and placental membrane stem cells, umbilical cord stem cells, and clinical translation. This cohesive structure provides an effective framework for detailed insight into this new frontier. Edited by Dr. Anthony Atala, one of the foremost experts in the field, and his co-editor Dr. Sean V. Murphy, this volume is a definitive work for stem cell research and its future implications. It is a key resource for all stem cell researchers, clinicians, and government and industry staff working in this dynamic and exciting field.

Transplacental Disorders Springer Publishing Company

This groundbreaking book addresses the ominous trend of introducing and passing laws regulating the actions of women and the control of their bodies. One of the few books published on the criminalization of women's bodies, this timely book takes a serious look at the effect these laws would have on women and the threat to their autonomy, privacy, and control; their bodily integrity; control over reproductive capacities; and their constitutional rights. The Criminalization of a Woman's

Body thoroughly discusses these special laws governing women's personal choices and the threats these laws pose to women's autonomy and constitutional rights. Scholars from Israel, Italy, and the United States provide a multidimensional discussion of the problem facing women in many, if not all, countries. Professors, students, librarians, agency workers dealing with women's issues, women, and even men in the general public will find this important book a helpful tool in sorting through the complex issues on criminalizing women's bodies.

Fetal Therapy Karger Medical and Scientific Publishers

In den letzten Jahrzehnten wurden weltweit Konzepte entwickelt, einen Teil der vorgeburtlich diagnostizierten Erkrankungen bereits intrauterin zu behandeln. Manche dieser Methoden sind bereits etabliert, bei den anderen handelt es sich um vielversprechende experimentelle Ansätze. Dieser Entwicklung soll das vorliegende im deutschsprachigen Raum einzigartige Basiswerk Rechnung tragen. National und international renommierte Experten auf dem Gebiet der Pränatalen Medizin und Fetalchirurgie beschreiben umfassend die Erkrankungsbilder und ihre intrauterinen Behandlungsmethoden. Die wichtigsten Therapieschemata sind prägnant hervorgehoben und die Operationsmethoden ausführlich bebildert, so dass sich das Werk auch für den Einsatz im klinischen Alltag eignet. Diet, Nutrition, and Fetal Programming Walter de Gruyter GmbH & Co KG In diesem Buch beschreiben national und international renommierte Experten auf dem Gebiet der Pränatalen Medizin und Fetalchirurgie umfassend vorgeburtlich diagnostizierten Erkrankungen und ihre intrauterinen Behandlungsmethoden.

Die wichtigsten Therapieschemata sind prägnant hervorgehoben und die Operationsmethoden ausführlich abgebildet, so dass sich das Werk auch für den Einsatz im klinischen Alltag eignet.

Congenital Malformations Elsevier Neonatal-perinatal medicine has a strong history of evidence based practice but unfortunately there remain many areas of uncertainty and unproven hypotheses and treatments that may harm our highly vulnerable patients. When new ideas are introduced into the labor and delivery room or the NICU we have to evaluate these procedures and therapies before they become accepted as standards of care. We need to learn from the past lessons of grey baby syndrome and chloramphenicol and of kernicterus and sulfonamide antibiotics where therapeutic good intentions actually did more harm than good and increased the mortality rate of premature babies in the NICU. This proposed edition addresses a broad range of current topics in perinatal neonatal practice. The AAP has just issued new guidelines for the approach to a neonate exposed to maternal genital herpes virus infection. The recommendations were not evidence based and are highly controversial as well as confusing. These topics are addressed in a scholarly and objective manner to both address the controversy and help the practitioner make informed decisions.

Prenatal Gene Therapy CRC Press Provides a unified evidence-based approach to problems encountered in trauma and critical care surgical situations, with expert practical and up-to-date guidance on ventilator management, damage control, noninvasive techniques, imaging,

infection control, dealing with mass casualties, treating injuries induced by chemical and biological agents, and much more.

Fetale Therapie Mosby

Recent advances in techniques and understanding in the fields of genetics, embryology and reproductive biology have opened up new ways to treat a wide range of medical problems. They range from new options for infertility treatment and pre-implantation genetic diagnosis to stem-cell-based therapies for debilitating diseases. Since all these approaches involve the manipulation of human gametes, embryos or embryonic cells, and could also permit more contentious uses, they have stimulated a controversial debate as to what aims are desirable and to what extent experiments on human embryos are morally permissible, if permissible at all. The situation is further complicated by the fact that scientific projects are increasingly realized through international co-operation and that patients are increasingly ready to seek morally contentious medical treatment wherever it is available and thus to bypass national legislation. In view of this situation the Europäische Akademie assembled a temporary interdisciplinary project group in which scientists from universities and non-university research organizations in Europe working on the relevant subjects were brought together and charged with establishing a knowledge base and providing suggestions for long-term solutions that would be acceptable for society. Presented here are the results of this project, ranging from a discussion of the theoretical and practical possibilities in human-embryo experimentation and its alternatives in research on adult stem cells, a comparison of the situations and

prospects of regulation of embryo research in Europe, a survey of European public attitudes, and a philosophical analysis of the arguments and argumentative strategies used in the debate.

Fetal Therapy Springer Science & Business Media

Neonatal-perinatal medicine has a strong history of evidence based practice but unfortunately there remain many areas of uncertainty and unproven hypotheses and treatments that may harm our highly vulnerable patients. When new ideas are introduced into the labor and delivery room or the NICU we have to evaluate these procedures and therapies before they become accepted as standards of care. We need to learn from the past lessons of grey baby syndrome and chloramphenicol and of kernicterus and sulfonamide antibiotics where therapeutic good intentions actually did more harm than good and increased the mortality rate of premature babies in the NICU. This proposed edition addresses a broad range of current topics in perinatal neonatal practice. The AAP has just issued new guidelines for the approach to a neonate exposed to maternal genital herpes virus infection. The recommendations were not evidence based and are highly controversial as well as confusing. These topics are addressed in a scholarly and objective manner to both address the controversy and help the practitioner make informed decisions.

Fetal and Neonatal Pharmacology for the Advanced Practice Nurse Springer

This volume offers the most comprehensive coverage on fetal programming. Chapters are written by authors of international and national standing, leaders in the field and

trendsetters. The clinical relevance of the current research is emphasized in each chapter, which also contains key points, key words, and concise summaries for ease of learning. Fetal programming affects conditions in the immediate postnatal period, as well as in later life and adulthood. These conditions include cardiovascular disease, frank hypertension, stroke, dyslipidemia, coagulopathy, increased insulin resistance-metabolic syndrome, type-2 diabetes, leukemia, testicular cancer, prostate cancer, breast cancer, polycystic ovary syndrome, precocious puberty, impaired immune function, renal disease, lung disease, and osteoporosis. Neuropathologies, behavioral and mental deficiencies, schizophrenia, and depression have also been reported in adults who were exposed to nutritional inadequacies in utero. *Diet, Nutrition and Fetal Programming* provides an overview on the effects of fetal programming on disease, and comprehensive looks at maternal nutrition factors and fetal programming effects on brain and behavior, and physiology and disease. It also provides an in depth look at specific nutrient restrictions and supplements on physiology and disease, the effects of maternal disease on fetal programming, mechanisms of programming, and a special section on the international aspects and policies on fetal programming.

Stem Cell Research CRC Press

In recent years there has been an increased awareness of maternal conditions, disorders and diseases that transfer to the fetus via the placenta. These disorders present society with the subsequent legal dilemma of protecting the fetus from the lifestyle of the adults without interfering with the parent's

legal rights.

Perinatal Stem Cells Humana Press

During pregnancy, most women remain well and require little formal medical input, while a much smaller group develop complications with significant morbidity and mortality for their baby and, occasionally, for themselves.

Providers of antenatal care must be able to distinguish between these two groups of women and arrange with them an appropriate and personalised plan of care. This book covers all aspects of identifying and caring for women who develop disorders during their pregnancies. This second edition has been comprehensively updated to reflect changes in clinical practice and new research since publication of the previous edition. The contents take into account that care of such women is provided by multidisciplinary teams of physicians, obstetricians, general practitioners and midwives.

Clinical Handbook of Neonatal Pain Management for Nurses Elsevier

“Over the last two decades, medical researchers have become more comfortable with the idea that serious attention must be given to ethical issues when the tests of new technologies are being designed. They have come to see that experimental trials must meet certain standards, not only of scientific rigour, but also of moral acceptability.” (Introduction) Presented by an international group of experts, the eight essays included in this volume evaluate the new technologies in fetal care and also wrestle with the new problems, often moral ones, that have accompanied technological advancement. The opening chapters review state-of-the-art ultrasound imaging and molecular genetics and focus on the new patient—the fetus.

From here, the efficacy of fetal therapy, the problem of assessing long-term viability, the ethical issues involved in both clinical practice and medical research, and the legal rights of the new patients and their parents are examined. The final chapter “Are Fetuses Becoming Children?” brings a fresh philosophical perspective to the question of a fetus’s status and rights.

The Unborn Patient Wilfrid Laurier Univ. Press

Since the late nineteenth century, medicine has sought to foster the birth of healthy children by attending to the bodies of pregnant women, through what we have come to call prenatal care. Women, and not their unborn children, were the initial focus of that medical attention, but prenatal diagnosis in its present form, which couples scrutiny of the fetus with the option to terminate pregnancy, came into being in the early 1970s. *Tangled Diagnoses* examines the multiple consequences of the widespread diffusion of this medical innovation. Prenatal testing, Ilana Löwy argues, has become mainly a risk-management technology—the goal of which is to prevent inborn impairments, ideally through the development of efficient therapies but in practice mainly through the prevention of the birth of children with such impairments. Using scholarship, interviews, and direct observation in France and Brazil of two groups of professionals who play an especially important role in the production of knowledge about fetal development—fetopathologists and clinical geneticists—to expose the real-life dilemmas prenatal testing creates, this book will be of interest to anyone concerned with the sociopolitical conditions of biomedical innovation, the politics of women’s bodies, disability,

and the ethics of modern medicine.
Selected Vitamins, Minerals, and Functional Consequences of Maternal Malnutrition Springer

Diagnostic techniques such as amniocentesis and ultrasound have expanded the armamentarium of prenatal diagnosis. As diagnostic techniques increase in accuracy, the demand for something other than selective termination of pregnancy will also increase. The ultimate goal of this line of research has always been fetal therapy, not just the ability to make the diagnosis. Fetal Therapy provides in-depth coverage of diagnostic techniques and therapies for fetal abnormalities. Photographs and line drawings illustrate the techniques discussed and concise tables make the data easy to find. It is the first book to cover emerging techniques for diagnosing fetal abnormalities with an essentially no-risk, noninvasive test of maternal blood at 7-8 weeks' gestation. In addition to up-to-date information on the latest technology in this field, the book also examines ethical issues from a historic perspective and ethical considerations in offering and recommending fetal therapy for the fetal patient. Bringing together new ideas and possibilities for new procedures Fetal Therapy explores the issues involved in expanding the applicability and availability of prenatal diagnosis and the options for treatment.

Current Therapy of Trauma and Surgical Critical Care - E-Book

Springer Publishing Company
 Innovations in technology and new therapies have changed the face of medicine in the last few decades. These include advances in fetal diagnosis (preimplantation genetics, chorionic villous sampling and amniocentesis), drugs that have been developed to treat

unique conditions in neonates such as respiratory distress syndrome (surfactant) and pulmonary hypertension (inhaled nitric oxide), as well as technological advances and interventions resulting in diagnostic (ultrasounds and MRI) and therapeutic interventions (intrauterine transfusion to ECMO). Research in fertility treatments has resulted in test tube babies and cloned animals, and that has also fostered technological advances in diagnostic and therapeutic interventions. The primary purpose of Innovations in Neonatal-Perinatal Medicine is to highlight these innovations in technology and therapy that have not only changed the way doctors deliver care to fetus and neonate but also reduced neonatal mortality thereby saving millions of lives in the process. These issues are addressed by the authors who are experts in their respective fields. the book will be valuable not only to healthcare providers but also to educators and policy makers.

Paediatrics and Blood Transfusion Wiley-Liss

This book explores the emerging speciality of fetal medicine. The new technology for examining DNA is described as a background to later chapters concerned with gene therapy and the examination of the conceptus. An account of laboratory techniques for studying the mouse embryo is illustrated by outstanding photographs of scanning electron microscopy. This book will be of interest to all those who are involved with the care of the pregnant woman and her fetus whether in medicine or in the law.

The Criminalization of a Woman's Body
 Springer Science & Business Media

This authoritative international text on fetal therapy is the first to cover all three

classes of fetal therapy in one book: transplacental drug treatment, invasive procedures, and fetal surgery. It emphasises treatments which have become established in clinical practice in this rapidly developing field, as well as reviewing those that have failed to live up to initial expectation, and discusses the likely impact of new therapies on the horizon. The editors head a team of American, European and Australasian authors, all of whom are leading experts in their respective fields. The text is authoritative, evidence based, and balanced, finding the common ground

between the opposing camps of 'enthusiasts' and 'therapeutic nihilists'. It will be an essential source of reference for all those involved in the care of the unborn child, and particularly for obstetricians training in fetal medicine. *Meyler's Side Effects of Drugs* University of Chicago Press

'An extremely informative, well-written and amply diagrammed book, which should be of great value to laypersons and their physicians who require further genetic review and background for present and future gene therapies.' - Theodore Kushnick, M.D., Journal of the American Medical Association.