

Artificial Insemination Benefits Risks

Recognized as the definitive book in laboratory medicine since 1908, Henry's Clinical Diagnosis and Management by Laboratory Methods, edited by Richard A. McPherson, MD and Matthew R. Pincus, MD, PhD, is a comprehensive, multidisciplinary pathology reference that gives you state-of-the-art guidance on lab test selection and interpretation of results. Revisions throughout keep you current on the latest topics in the field, such as biochemical markers of bone metabolism, clinical enzymology, pharmacogenomics, and more! A user-friendly full-color layout puts all the latest, most essential knowledge at your fingertips. Update your understanding of the scientific foundation and clinical application of today's complete range of laboratory tests. Get optimal test results with guidance on error detection, correction, and prevention as well as cost-effective test selection. Reference the information you need quickly and easily thanks to a full-color layout, many new color illustrations and visual aids, and an organization by organ system. Master all the latest approaches in clinical laboratory medicine with new and updated coverage of: the chemical basis for analyte assays and common interferences; lipids and dyslipoproteinemia; markers in the blood for cardiac injury evaluation and related stroke disorders; coagulation testing for antiplatelet drugs such as aspirin and clopidogrel; biochemical markers of bone metabolism; clinical enzymology; hematology and transfusion medicine; medical microbiology; body fluid analysis; and many other rapidly evolving frontiers in the field. Effectively monitor the pace of drug clearing in patients undergoing pharmacogenomic treatments with a new chapter on this groundbreaking new area. Apply the latest best practices in clinical laboratory management with special chapters on organization, work flow, quality control, interpretation of results, informatics, financial management, and establishing a molecular diagnostics laboratory. Confidently prepare for the upcoming recertification exams for clinical pathologists set to begin in 2016.

This book gives a comprehensive overview of HIV and AIDS including NeuroAIDS, as well as general concepts of pathology, immunity and immunopathology, diagnosis, treatment, epidemiology and etiology to current clinical recommendations in management of HIV/AIDS including NeuroAIDS, highlighting the ongoing issues, recent advances and future directions in diagnostic approaches and therapeutic strategies.

This volume provides an overview of selected major areas of legal and institutional development in Lithuania since the Restoration of Independence in 1990. The respective chapters discuss changes in fields varying from the constitutional framework to criminal law and procedure. The content highlights four major aspects of the fundamental changes that have affected the entire legal system: the Post-Soviet country's complex historical heritage; socio-political and other conditions in the process of adopting new (rule of law) standards; international legal influences on the national legal order over the past 30 years; and finally, the search for entirely new national legal models. Over a period of 30 years since gaining its independence from the Soviet Union, Lithuania has undergone unique social changes. The state restarted its independent journey burdened by the complicated heritage of the Soviet legal system. Some major reforms have taken place swiftly, while others have required years of thorough analysis of societal needs and the search for optimal examples in other states. The legal system is now substantially different, with some elements being entirely new, and others adapted to present needs.

Government agencies and commissions, courts, and legislatures have during the past several decades produced reports, rendered decisions, and passed laws that have both defined the fundamental issues in the field of bioethics and established ways of managing them in our society. Providing a history of these key bioethical decisions, this Source Book in Bioethics is the first and only comprehensive collection of the critical public documents in biomedical ethics, including many hard-to-find or out-of-print materials. Covering the period from 1947 to 1995, this volume brings together core legislative documents, court briefs, and reports by professional organizations, public bodies, and governments around the world. Sections on human experimentation, care of the terminally ill, genetics, human reproduction, and emerging areas in bioethics include such pivotal works as "The Nuremberg Code," "The Tuskegee Report," and "In the Matter of Baby M," as well less readily available documents as "The Declaration of Inuyama," the Council for International Organizations of Medical Sciences statement on genetic engineering, and "The Warnock Committee Report" on reproductive technologies from the United Kingdom. Three eminent scholars in the field provide brief introductions to each document explaining the significance of these classic sources. This historical volume will be a standard text for courses in bioethics, health policy, and death and dying, and a primary reference for anyone interested in this increasingly relevant field.

Artificial insemination is used instead of natural mating for reproduction purposes and its chief priority is that the desirable characteristics of a bull or other male livestock animal can be passed on more quickly and to more progeny than if that animal is mated with females in a natural fashion. This book contains under one cover 16 chapters of concise, up-to-date information on artificial insemination in buffalos, ewes, pigs, swine, sheep, goats, pigs and dogs. Cryopreservation effect on sperm quality and fertility, new method and diagnostic test in semen analysis, management factors affecting fertility after cervical insemination, factors of non-infectious nature affecting the fertility, fatty acids effects on reproductive performance of ruminants, particularities of bovine artificial insemination, sperm preparation techniques and reproductive endocrinology diseases are described. This book will explain the advantages and disadvantages of using AI, the various methodologies used in different species, and how AI can be used to improve reproductive efficiency in farm animals.

Advanced biomedical techniques such as genetic engineering are now used extensively in animal related research and development. As the pace of development has quickened, there has been growing public anxiety about the ethical issues involved. Animal Biotechnology and Ethics draws together in one book some of the leading themes and issues which have emerged in the recent debates surrounding biotechnology as applied to animals. With contributions from authors of many different viewpoints, the subject is given a thorough and balanced treatment. Among those to whom the book will be of particular interest are practitioners of animal biotechnology, and those whose interest lies in assessing its credentials, such as philosophers and social or political scientists. It also has a great deal to interest policy-makers and pressure groups, as well as more general readers. The strong chapters on the legal and regulatory framework will make it useful to those involved in advising on company policy, patenting or litigation.

Through a range of articles, this book explores the changing nature of risk in contemporary African societies. It provides a valuable addition to the current debate on the concept of risk, which has traditionally been skewed in favor of a European historical experience. The contributions illustrate that technological hazards, pollution, and climate change - as well as the introduction of new forms of insurance and the restructuring of civil society - are just some of the recent developments that invite us to be skeptical of prevailing notions of risk in the African context. The reader is encouraged to move away from focusing on the vulnerability of Africa as a pre-modern society to consider more localized and contemporary perspectives of risk. In exploring new ways of conceptualizing risk in Africa, the book addresses the challenge of making theoretical and methodological advances in risk research relevant to understanding the processes of social change on the continent. (Series: Articles on African Studies / Beitrage zur Afrikaforschung - Vol. 51)

A comprehensive and practice-oriented resource guide to currently available diagnostic and treatment options for male infertility disorders. Topics covered range from basic

sperm biology and male reproductive endocrinology, to immunology, specialized sperm testing, and the genetic background to male infertility. The authors emphasize the investigation, diagnostic testing, and management of the infertile male, but also examine such timely issues as gender selection, HIV discordance couples, and posthumous reproduction. Other topics of interest include laboratory accreditation, vasectomy reversal, ethical and legal considerations of donor insemination, optimizing success in a donor insemination program, and strategic therapies for ejaculatory disorders and erectile dysfunction in infertile men.

A legal reference for practicing physicians is a necessary adjunct to their professional practice library in today's highly regulated and litigious world. Medical Care Law was written to help practicing physicians avoid legal conflicts, and to prevent legal problems rather than treat them. Written with the practicing physician in mind, this book is also valuable to a variety of health professionals, including physician executives, medical directors, nurse administrators, advanced practice nurses, case managers, risk managers, legal nurse consultants, health care administrators, public health professionals, and attorneys. In addition To The traditional legal issues affecting medical practitioners, Medical Care Law addresses the legal pitfalls in today's volatile health care landscape, including managed care, health care fraud and abuse, compliance plans, and working with non-physician providers.

For many people' having a large family isn't a reasonable option. Fortunately' medical science has ushered in a new era of family balancing where couples can determine their baby's gender. The Revolutionary Science of Sex Selection guides prospective parents step - by - step through the maze of options currently available - from the unpredictable (and now outdated) timing method' to highly effective sperm sorting' to the preimplantation genetic diagnosis' which guarantees accuracy. The author describes the most advanced methodologies in simple lay terms so that they are easily understood. But The Revolutionary Science of Sex Selection does more than explain how the technology works - it prepares the reader for the personal experience of fertility drugs' artificial insemination' and/or in vitro fertilization. A bonus chapter details the added medical benefits of genetic testing' including preimplantation screening for single gene defects like cystic fibrosis' B thalassemia' Tay - Sachs disease' sickle cell disease' and Huntington's disease. "A report on the ethical, social, and legal implications of genetic screening, counseling, and education programs."--T.p.

To interpret the laboratory results. To distinguish the normal from the abnormal and to understand the merits and demerits of the assays under study. The book attempts to train a laboratory medicine student to achieve sound knowledge of analytical methods and quality control practices, to interpret the laboratory results, to distinguish the normal from the abnormal and to understand the merits and demerits of the assays under study.

Horse Sense provides an in-depth guide to horse care under conditions unique to Australia and New Zealand. It is written in an easy-to-read style to appeal to novices as well as experienced owners and covers all aspects of horse care and management. This new edition provides the latest information on new feeds and supplements, new techniques for handling horses, safe riding, and treating injuries, diseases, worms and other pests. The book also incorporates the latest standards and guidelines for the welfare of horses.

This text, written by a philosopher of science and a political theorist, introduces students to the issues and controversies surrounding science and technology policy in the United States. As the impact of technological advancement is increasingly felt, the policy-making process for science and technology is undergoing a marked transition. The making of this policy is no longer solely the function of government agencies and institutions. New actors in the policy arena are raising questions about the future of technological advancement in the United States and elsewhere, and their voices are affecting—sometimes obstructing—the traditional policy process. This book surveys the entire domain of science and technology policy making with special emphasis on the growing role of citizen participation, the ethical issues raised by modern policy problems, and the general principles that guide current policy. The authors discuss current philosophical views about the nature of science and technology as social and political entities and also consider the history of the relations between these fields and political authority. They combine an issues and case study approach with a narrative discussion of how ethical, participatory, and institutional factors have merged in the policy process. Among the topics addressed are nuclear power and siting policy, hazardous waste, communications technology, and biomedical technology. After reviewing the difficult problems facing the modern policy maker, the authors assess the methods and ethical assumptions of the current policy-making framework and consider alternatives that are more sensitive to the complexity of contemporary policy issues. Intended as a core text for courses in "Science, Technology, and Public Policy," the book can also be used in interdisciplinary courses focusing on the relationship between science, technology, and society. The text is also appropriate for courses in the philosophy of science and technology and for courses in social and political philosophy.

What does the birth of babies whose embryos had gone through genome editing mean--for science and for all of us? In November 2018, the world was shocked to learn that two babies had been born in China with DNA edited while they were embryos--as dramatic a development in genetics as the cloning of Dolly the sheep was in 1996. In this book, Hank Greely, a leading authority on law and genetics, tells the fascinating story of this human experiment and its consequences. Greely explains what Chinese scientist He Jiankui did, how he did it, and how the public and other scientists learned about and reacted to this unprecedented genetic intervention.

High Risk Pregnancy examines the full range of challenges in general obstetrics, medical complications of pregnancy, prenatal diagnosis, fetal disease, and management of labor and delivery. Drs. David James, Philip J. Steer, Carl P. Weiner, Bernard Gonik, Caroline Crowther, and Stephen Robson present an evidence-based approach to the available management options, equipping you with the most appropriate strategy for each patient. This comprehensive reference features the fully searchable text online at www.expertconsult.com, as well as more than 100 videos of imaging and monitoring. giving you easy access to the resources you need to manage high risk pregnancies. Prepare for clinical challenges and save time in addressing them thanks to expert advice on treatment options from international contributors. Find and apply the information you need quickly and easily through a consistent organization and at-a-glance summary boxes that discuss evidence-based management options. Access the fully searchable text online at www.expertconsult.com, along with links to Medline. View over 140 videos of detailed fetal imaging and monitoring that aid in diagnoses. Tap into recent developments in treatment and management in four new chapters—Global Maternal & Perinatal Health Issues; Recurrent Pregnancy Loss; Surveillance of the Fetus and its Indications; and Training for Obstetric Emergencies. Apply new evidence-based management options to treat genetic and constitutional factors leading to a high-risk pregnancy (such as diabetes, obesity, hypertension, and cardiac disease) through new and expanded coverage of these increasingly common presentations. Reference pregnancy-relevant laboratory values with an updated and comprehensive appendix on "Normal Values in Pregnancy." Effectively manage patients newly diagnosed with hematologic and immunologic malignancies, and explore the available drug options. Confirm your diagnoses with greater confidence thanks to full-color images throughout the

text.

Policy issues, and option for congressional action -- Introduction -- Demographic of infertility -- factors contributing to infertility -- Prevention of Infertility -- Diagnosis of Infertility -- Treatment of Infertility -- Infertility services and cost -- Quality assurance for research and clinical care -- Reproductive health of veterans -- Ethical considerations -- Constitutional considerations -- Legal considerations: artificial insemination, in vitro fertilization embryo transfer, and gamete intrafallopian transfer -- Legal consideration: surrogate motherhood -- Frontiers of reproductive technology.

Written by and for Nurse Practitioners from a unique collaborative perspective, *Primary Care: A Collaborative Practice*, 4th Edition, prepares you to provide care for all of the major disorders of adults seen in the outpatient setting. Evidence-based content reflects the latest guidelines for primary care of hundreds of conditions, including hypertension, diabetes, and sexually transmitted infections. Now in full color, the 4th Edition includes chapters on emerging topics such as genetics, obesity, lifestyle management, and emergency preparedness. Combining a special blend of academic and clinical expertise, the author team provides a practical text/reference that promotes a truly collaborative primary care practice. Comprehensive, evidence-based content incorporates the latest standardized guidelines for primary care in today's fast-paced, collaborative environment. Unique! A collaborative perspective, reflecting the key roles of NPs, MDs, PAs, PharmDs, and others, promotes seamless continuity of care. A consistent format from chapter to chapters facilitates learning and clinical reference value. Diagnostics and Differential Diagnosis boxes provide a quick reference for diagnosing disorders and helping to develop effective management plans. Physician Consultation icons highlight situations or conditions in which consultation is either recommended or necessary. Emergency Referral icons identify signs and symptoms that indicate the need for immediate referral to an emergency facility. Co-management with Specialists discussions help you provide truly collaborative care in the outpatient setting. Complementary and alternative therapies are addressed where supported by solid research evidence.

This fully revised and updated second edition includes five new chapters addressing the nature of the eigenvector and its applications, including selected uses of the analytic hierarchy process in economic, social, political, and technological areas.

Groundbreaking, comprehensive, and developed by a panel of leading international experts in the field, *Textbook of Assisted Reproduction* provides a multidisciplinary overview of the diagnosis and management of infertility, which affects 15% of all couples around the world. The book aims to cover all aspects of assisted reproduction. Particular attention is given to topics such as the assessment of infertile couples; assisted reproductive techniques (ARTs) including ovulation induction, intra uterine insemination (IUI), in vitro fertilization (IVF) and intracytoplasmic sperm injection (clinical and laboratory aspects); reproductive genetics; and obstetric and perinatal outcomes.

This major book - known as 'The Bourn Hall Textbook' - evolved from teaching courses held at this prestigious Clinic - one of the birthplaces of IVF and clinical reproductive medicine. The content is comprehensive: covering assessment of the infertile couple and both laboratory and clinical aspects of assisted reproductive technologies. The emphasis throughout is on the practical management of patients undergoing assisted conception treatment. The third edition is a complete update of the field including expanded sections on newer technologies such as GIFT and ICSI. The book is authored largely by current or previous members of the Bourne Hall staff, with additional material from leading international authorities. The Bourn Hall Procedures, Protocols and Information Sheets - previously published as an Appendix - are now included on CD-ROM for ease of adaptation for local use.

This book combines empirical research with commentary on ethics, policy and legislation, raising provocative questions about reproductive donation and surrogacy.

This is a comprehensive introduction to the ethical issues at stake in the conduct of biomedical research, with extensive use of case examples. Its content parallels the recommendations of the Commission on Research Integrity, and deals with ethical issues in the use of animals and humans in research. It includes chapters on intellectual property, authorship, peer review, and conflicts of interest. As of October 2000, all personnel involved in research supported by the Public Health Service, including NIH, must receive the equivalent of 15 hours of training and education in research ethics. This book will be a convenient text for such short courses or seminars, and an excellent guidebook for all.

Practical, evidence-based guide to managing ART pregnancies, based on 30 years of clinical experience, including gynaecological, genetic and obstetric complications.

This book presents the latest in-depth, case-based counseling approaches to new, increasingly complex psychosocial issues of patients requiring assisted reproduction.

Each year, roughly a million new cases of cancer appear in the US, and more than 500,000 Americans die annually of premature death. Although medical progress has slowed cancer mortality, its incidence is increasing roughly six times faster than cancer mortality is decreasing. Breast cancer, in particular, has been increasing about one percent each year since 1973. At least two of the factors responsible for this surge in breast cancer are women's use of medically-prescribed synthetic hormones and the exposure of the entire population to chemicals such as dioxin. Both exposures increase the likelihood of breast cancer. Although many ethicists worry about involuntary societal imposition of chemicals such as dioxin, through industrial and agricultural processes, allegedly voluntary exposures also constitute both, a public-health problem and a biomedical-ethics difficulty.

Physicians recommend synthetic hormones, for example, to women who apparently take them voluntarily. In the case of in vitro fertilization, doctors prescribe hormones to induce egg production and to increase the chances of reproduction for couples who are unable to have children. Despite the benefits of medical technologies such as hormone stimulation and in vitro fertilization, they also carry great risks. The price that childless women pay, for their opportunity to have children through in vitro fertilization, may be their own increased risk of diseases - such as breast cancer - that are hormone dependent.

Making Babies: Biomedical Technologies, Reproductive Ethics, and Public Policy Springer

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