

# Artificial Insemination Benefits Risks

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.

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.

No other cluster of medical issues affects the genders as differently as those related to procreation—contraception, sterilization, abortion, artificial insemination, in-vitro fertilization, surrogate motherhood, and genetic screening. Yet the moral diversity among feminists has led to political fragmentation, foiling efforts to create policies that are likely to serve the interests of the largest possible number of women. In this remarkable book, Rosemarie Tong offers an approach to feminist bioethics that serves as a catalyst, bringing together varied perspectives on choice, control, and connection. Emphasizing the complexity of feminist debates, she

guides feminists toward consensus in thought, cooperation in action, and a world that would have no room for domination and subordination. Tong fairly and comprehensively presents the traditions of both feminist and nonfeminist ethics and bioethics. Although feminist approaches to bioethics derive many insights from nonfeminist ethics and bioethics, Tong shows that their primary source of inspiration is feminist ethics, leading feminist bioethicists to ask the so-called woman question in order to raise women's consciousness about the systems, structures, and relationships that oppress them. Feminist bioethicists are, naturally, committed to acting locally in the worlds of medicine and science. But their different feminist voices must also be raised at the policy table in order to make gender equity a present reality rather than a mere future possibility. Inability to define a plan that guarantees liberation for all women must not prevent feminists from offering a plan that promises to improve the welfare of many women. Otherwise, a perspective less appealing to women may fill the gap. Genetic-based animal biotechnology has produced new food and pharmaceutical products and promises many more advances to benefit humankind. These exciting prospects are accompanied by considerable unease, however, about matters such as safety and ethics. This book identifies science-based and policy-related concerns about animal biotechnology—key issues that must be resolved before the new breakthroughs can reach their potential. The book includes a short history of the field and provides understandable definitions of terms like cloning. Looking at technologies on the near

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horizon, the authors discuss what we know and what we fear about their effects—the inadvertent release of dangerous microorganisms, the safety of products derived from biotechnology, the impact of genetically engineered animals on their environment. In addition to these concerns, the book explores animal welfare concerns, and our societal and institutional capacity to manage and regulate the technology and its products. This accessible volume will be important to everyone interested in the implications of the use of animal biotechnology.

Artificial Insemination in Farm AnimalsIntechOpen  
The leading single-source book in women's health care, reproductive medicine, and pelvic surgery A Doody's Core Title! Thorough review of all of obstetrics & gynecology Covers more than 1,000 diseases and disorders The latest screening and management guidelines More than 450 clear clinical photos and illustrations in two colors Formatted to facilitate quick retrieval of information Concise, current coverage of treatments for common gynecologic infections Extensively revised throughout Covers underlying pathophysiology when relevant to diagnosis and treatment Helpful references to classic and important new sources

Ectogenesis refers to the artificial gestation of a fetus outside the womb. Despite certain advantages for women's reproductive liberty, feminist groups remain divided regarding this technology. This book argues that reproduction imposes unjust burdens on women, and thus the ideals of equal opportunity demand continued

research into ectogenesis.

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 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.

By all indicators, the reproductive health of Americans has been deteriorating since 1980. Our nation is troubled by rates of teen pregnancies and newborn deaths that are worse than almost all others in the Western world. *Science and Babies* is a straightforward presentation of the major reproductive issues we face that suggests answers for the public. The book discusses how the clash of opinions on sex and family planning prevents us from making a national commitment to reproductive health; why people in the United States have fewer contraceptive choices than those in many other countries; what we need to do to improve social and medical services for teens and people living in poverty; how couples should "shop" for a fertility service and make consumer-wise decisions; and what we can expect in the future--featuring interesting accounts of potential scientific advances.

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

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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.

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.

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.

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.

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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.

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

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involved in advising on company policy, patenting or litigation.

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.

It is widely understood that stem cell treatments have the potential to revolutionize medicine. Because of this potential, in 2004 California voters approved Proposition 71 to set up a 10-year, \$3 billion program to fund research on stem cells. Under the direction of the California Institute for Regenerative Medicine, this program will pay to build facilities for stem cell research and will fund doctors and scientists to carry out research with the ultimate goal of helping to develop therapies

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based on stem cells. For this research to move forward, however, will require a steady supply of stem cells, particularly human embryonic stem cells. Those stem cells are collected from developing human embryos created from eggs-or oocytes-harvested from the ovaries of female donors. Thus much of the promise of stem cells depends on women choosing to donate oocytes to the research effort. The oocyte donation process is not without risk, however. Donors are given doses of hormones to trigger the production of more eggs than would normally be produced, and this hormone treatment can have various side effects. Once the eggs have matured in the ovary, they must be retrieved via a surgical procedure that is typically performed under anesthesia, and both the surgery and the anesthesia carry their own risks. Furthermore, given the very personal nature of egg donation, the experience may carry psychological risks for some women as well. With this in mind, in 2006 the California Institute for Regenerative Medicine contracted with the National Academies to organize a workshop that would bring together experts from various areas to speak about the potential risks of oocyte donation and to summarize what is known and what needs to be known about this topic. The Committee on Assessing the Medical Risks of Human Oocyte Donation for Stem Cell Research was formed to plan the workshop, which was held in San Francisco on September 28, 2006. This report is a summary and synthesis of that workshop. High Risk Pregnancy examines the full range of challenges in general obstetrics, medical complications

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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](http://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](http://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.

"A report on the ethical, social, and legal implications of genetic screening, counseling, and education programs."--T.p.

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

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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.

Three volumes organized by the three phases of life—youth, middle age, and old age—explore the LGBTQ+ experience, delving deeply into research on a multitude of hot topics including risks experienced by this sometimes targeted population. • More than forty topics in three volumes are timely and in the news • Each topic is evaluated by academic authorities • References are authoritative and include primary resources • Contributors embrace and reflect the diversity found in the LGBTQ+ community

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)

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

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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.

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.

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.

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