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How We Do It Bovine Reproduction Human Reproductive Biology Biology of Sex Knobil and Neill's Physiology of Reproduction Reproduction The Biology of Reproduction The End of Sex and the Future of Human Reproduction Cell Reproduction The Biology of Cell Reproduction Techniques in Equine Reproduction Hormones and Reproduction of Vertebrates, Volume 3 Reproduction Colour Reproduction in Electronic Imaging Systems Reproductive Justice Laboring Women The Reproductive System at a Glance Essential Reproduction Reproduction in Cattle The Politics of Reproduction Reproduction on the Reservation Control of Pig Reproduction Selective Reproduction in the 21st Century A Portrait of Assisted Reproduction in Mexico Encyclopedia of Reproduction Manual of Equine Reproduction - E-Book Molecular Biology of the Male Reproductive System The Means of Reproduction Reproduction in Education, Society and Culture Formulary and Protocols in Equine Reproduction (Second Edition) Reproductive and Developmental Strategies Reproduction and Animal Health Plant Reproduction AP® Biology Crash Course, 2nd Ed., Book + Online Reproduction in Farm Animals Cell Growth and Cell Division Reproduction by Design Making Babies Equine Embryo Transfer Veterinary Reproduction and

Obstetrics

The oestrous cycle and its controls, The development of the conceptus, Pregnancy and its detection in the mare, Pregnancy and its detection in the cow, Pregnancy diagnosis in the sow, ewe and bitch, Anomalies of development of the conceptus, Prolapse of the vagina, Parturition, The care of parturient animals and the newborn:the puerperium, Dystocia:general considerations, Maternal dystocia, Fetal dystocia:aetiology and incidence, The approach to an obstetrical case, Manipulative delivery per vaginam:farm animals and the bitch, Dystocia due to fetal oversize, Dystocia due to defects of position or presentation, Dystocia due to twins or monstrosities, Injuries and diseases incidental to parturition, The caesarean operation, Caesarean operations in the bitch and cat, Retention of the fetal membranes, Postparturient prolapse of the uterus, Infertility in the cow:general, anatomical and functional, Infectious forms of infertility in cattle, The veterinary control of herd infertility, Sheep infertility, Infertility in the mare, Swine infertility, Infertility in the bitch and cat, The normal sexual apparatus of male animals, Reproductive abnormalities of male animals, Artificial insemination. Control of Pig Reproduction focuses on carefully evaluated techniques and technologies involved in the control of pig reproduction. The selection first ponders the sexual development of male pigs, including early fetal, perinatal, and pubertal periods. The text also discusses testicular steroids and boar taint; interrelationships between spermatozoa, female reproductive tract, and egg investment.

and artificial insemination. Discussions focus on androgens, estrogens, deposition of semen and uterine transit, sperm regulation and release by the isthmus, and types of artificial insemination. The manuscript examines endocrine control of sexual maturation in female pigs and sexual differentiation, the stimulatory estrogen feedback mechanism and factors affecting the natural attainment of puberty in gilts.

Discussions focus on development of ovarian function and gonadal steroid levels; development of the stimulatory estrogen feedback mechanism; and maturation of negative feedback of gonadal steroids. The text also takes a look at controlled induction of puberty, endocrine control of the estrus cycle, and control of ovulation. The selection is a valuable reference for farmers and readers interested in pig reproduction. The 3rd edition, the first new one in ten years, includes coverage of molecular levels of detail arising from the last decade's explosion of information at this level of organismic organization. There are 5 new Associate Editors and about 2/3 of the chapters have new authors. Chapters prepared by return authors are extensively revised. Several new chapters have been added on the topic of pregnancy, reflecting the vigorous investigation of this topic during the last decade. The information covered includes both human and experimental animals; basic principles are sought, and information at the organismic and molecular levels are presented. *The leading comprehensive work on the physiology of reproduction* Edited and authored by the world's leading scientists in the field* Is a synthesis of the molecular, cellular, and organismic levels of

organization* Bibliographies of chapters are extensive and cover all the relevant literature. Cell Growth and Cell Division is a collection of papers dealing with the biochemical and cytological aspects of cell development and changes in bacterial, plant, and animal systems. One paper discusses studies on the nuclear and cytoplasmic growth of ten different strains of the genus *Blepharisma*, in which different types of nutrition at high and low temperatures alter the species to an extent that they became morphologically indistinguishable. The paper describes the onset of death at high and low temperatures as being preceded by a decrease in the size of the cytoplasm and a corresponding decrease in the size of the macronucleus. The moribund organisms, still possessing structure, are motionless with no distinguishable macronuclear materials. Another paper presents the response of meiotic and mitotic cells to azaguanine, chloramphenicol, ethionine, and 5-methyltryptophan. The paper describes the failure of spindle action, arrest of second division, inhibition of cytokinesis, aberrant wall synthesis, and alterations in chromosome morphology in meiosis cells. In the case of mitosis, a single enzyme—thymidine phosphorylase—shows reagents which inhibit protein synthesis also inhibit the appearance of that enzyme if the reagent is applied one day before it normally appears. Other papers discuss control mechanisms for chromosome reproduction in the cell cycle as well as the force of cleavage of the dividing sea urchin egg. The collection can prove valuable for bio-chemists, cellular biologists, micro-biologists, and developmental biologists. This book provides new insights into the universality of

biological systems in animal reproduction and development by a comparative study of a variety of mechanisms in animals ranging from basal invertebrates to vertebrates, including mammals. Animals accomplish genetic diversity through meiosis and fertilization, and during embryogenesis animals must produce specialized cell types, including germ cells, in accordance with their individual body plan. This series of phenomena is essential to the continuity of life in the animal kingdom, and animals show various reproductive and developmental strategies. This volume, comprising four parts, reviews animal kingdom diversity, including reproductive strategies and germ cell differentiation mechanisms (Part 1), sex determination and differentiation (Part 2), the mechanisms of fertilization (Part 3), and body axis formation (Part 4). Readers will find descriptions of the reproduction or development of 180 species, 13 phyla, 35 classes, 74 orders, 117 families, and 151 genera in this book. Of particular interest is the diversity of molecules and mechanisms used to achieve the same biological purpose in different animals. Undergraduates, graduate students, and professional scientists who want a deeper understanding of animal reproductive and developmental mechanisms will find this book to be of great value. ARS "Techniques in Equine Reproduction" 6th Edition is an up-to-date guided tour of breeding management procedures, diagnostic tests, and therapeutic protocols for the stallion, mare, and newborn foal. Author, Patrick M. McCue, DVM, PhD, has added over 60 pages of additional chapters, updated information, step by step instructions, and photographs to this 230 page book.

investigative journalist author of *Kingdom Coming* explores the ways in which restrictions against women's reproductive rights are directly linked to consequences in global development, in a cautionary report that covers such topics as abortion, female circumcision, and human trafficking. This high-interest nonfiction reader will help students gain science content knowledge while building their literacy skills and reading comprehension. This appropriately leveled text features hands-on, simple science experiments and full-color images and graphics. Fourth grade students will learn all about plant reproduction through this engaging text that supports STEM education and is aligned to the Next Generation Science Standards.

Encyclopedia of Reproduction, Second Edition comprehensively reviews biology and abnormalities, also covering the most common diseases in humans, such as prostate and breast cancer, as well as normal developmental biology, including embryogenesis, gestation, birth and puberty. Each article provides a comprehensive overview of the selected topic to inform a broad spectrum of readers, from advanced undergraduate students, to research professionals. Chapters also explore the latest advances in cloning, stem cells, endocrinology, clinical reproductive medicine and genomics. As reproductive health is a fundamental component of an individual's overall health status and a central determinant of quality of life, this book provides the most extensive and authoritative reference within the field. Provides a one-stop shop for information on reproduction that is not available elsewhere. Includes extensive coverage of the full range of

topics, from basic, to clinical considerations, including evolutionary advances in molecular, cellular, developmental and clinical sciences Includes multimedia and interactive teaching tools, such as downloadable PowerPoint slides, video content and interactive elements, such as the Virtual Microscope

When black women were brought from Africa to the New World as slave laborers, their value was determined by their ability to work as well as their potential to bear children, who by law would become the enslaved property of the mother's master. In *Laboring Women: Reproduction and Gender in New World Slavery*, Jennifer L. Morgan examines for the first time how African women's labor in both senses became intertwined in the English colonies. Beginning with the ideological foundations of racial slavery in early modern Europe, *Laboring Women* traverses the Atlantic, exploring the social and cultural lives of women in West Africa, slaveowners' expectations for reproductive labor, and women's lives as workers and mothers under colonial slavery. Challenging conventional wisdom, Morgan reveals how expectations regarding gender and reproduction were central to racial ideologies, the organization of slave labor, and the nature of slave community and resistance. Taking into consideration the heritage of Africans prior to enslavement and the cultural logic of values and practices recreated under the duress of slavery, she examines how women's gender identity was defined by their shared experiences as agricultural laborers and mothers, and shows how, given these distinctions, their situation differed considerably from that of enslaved men. Telling her story through the arc of

African women's actual lives—from West Africa, to the experience of the Middle Passage, to life on the plantations—she offers a thoughtful look at the ways women's reproductive experience shaped their roles in communities and helped them resist some of the more egregious effects of slave life. Presenting a highly original, theoretically grounded view of reproduction and labor as the twin pillars of female exploitation in slavery, *Laboring Women* is a distinctive contribution to the literature of slavery and the history of women. This series of volumes represents a comprehensive and integrated treatment of reproduction in vertebrates from fishes of all sorts through mammals. It is designed to provide a readable, coordinated description of reproductive basics in each group of vertebrates as well as an introduction to the latest trends in reproductive research and our understanding of reproductive events. Whereas each chapter and each volume is intended to stand alone as a review of that topic for a vertebrate group, respectively, the volumes are prepared so as to provide a thorough topical treatment across the vertebrates. Terminology has been standardized across the volumes to reduce confusion where multiple names exist in the literature, and a comprehensive glossary of these terms and their alternative names is provided. A complete, essential and up to date reference for research scientists working on vertebrate hormones and reproduction - and on animals as models in human reproductive research. Covers the endocrinology, neuroendocrinology, physiology, behaviour and anatomy of vertebrate reproduction. Structured coverage of the major themes for all five vertebrate groups allows a

consistent treatment for all Special chapters elaborate on features specific to individual vertebrate groups and to comparative aspects, similarities and differences between them Drawing on novels, plays, science fiction, and films of the 1920s and 1930s, this book examines modern science's place in reproduction in British and American cultural history. The goal of the Second Edition of the Formulary and Protocol guide is to provide veterinarians and veterinary students with medication dosages and therapeutic protocols Equine Reproduction used at Colorado State University A look into the phenomena of sex and reproduction in all organisms, taking an innovative, unified and comprehensive approach. From contraception to cloning and pregnancy to populations, reproduction presents urgent challenges today This field-defining history synthesizes a vast amount of scholarship to take the long view. Spanning from antiquity to the present day, the book focuses on the Mediterranean, western Europe, North America and their empires. It combines history of science, technology and medicine with social, cultural and demographic accounts. Ranging from the most intimate experiences to planetary policy, it tells new stories and revises received ideas. An international team of scholars asks how modern 'reproduction' - an abstract process of perpetuating living organisms - replaced the old 'generation' - the active making of humans and beasts, plants and even minerals. Striking illustrations invite readers to explore artefacts, from an ancient Egyptian fertility figurine to the announcement of the first test-tube baby. Authoritative and accessible, Reproduction offers students and non-

specialists an essential starting point and sets fresh agenda for research. "[This book] introduces students to an intersectional analysis of race, class, and gender politics. Clearly showing how reproductive justice is a political movement of reproductive rights and social justice, the authors illuminate how, for example, a low-income, physical -disabled woman, living in West Texas with no viable public transportation, no healthcare clinic, and no living-wage employment opportunities, faces a complex web of structural obstacles as she contemplates her sexual and reproductive intentions. Putting the lives and lived experience of women of color at the center of the book, and using a human rights analysis, the authors show how reproductive justice is significantly different from the pro-choice/anti-abortion debates that have long-dominated the headlines and mainstream political conflict."-- This book explores how conditions for childbearing are changing in the 21st century under the impact of new biomedical technologies. Selective reproductive technologies (SRTs) - technologies that aim to prevent or promote the birth of particular kinds of children are increasingly widespread across the globe. Wahlberg and Gammeltoft bring together a collection of essays providing unique ethnographic insights on how SRTs are made available within different cultural, socio-economic and regulatory settings and how people perceive and make use of these new possibilities as they envision and try to form their future lives. Topics covered include sex-selective abortions, termination of pregnancies following detection of fetal anomalies during prenatal screening, the development of

preimplantation genetic diagnosis techniques as well as the screening of potential gamete donors by egg agencies and sperm banks. This is invaluable reading for scholars of medical anthropology, medical sociology and science and technology studies, as well as for the fields of gender studies, reproductive health and genetic disease research. Since World War II, cell biology and molecular biology have worked separately in probing the central question of cancer research. But a new alliance is being forged in the effort to conquer cancer. Drawing on more than 500 classic and recent references, Baserga's work provides the unifying background for this cross-fertilization of ideas. Providing essential reading for medical, veterinary and biological science students, and students of physiology and trainees in obstetrics and gynaecology, the seventh edition of *Essential Reproduction* offers an up-to-date account of the fundamentals of reproduction within the context of cutting-edge knowledge and examples of its application. It provides a multidisciplinary approach integrating physiology, genetics, behaviour, anatomy and clinical science, to give thorough coverage of the study of mammalian reproduction. *Essential Reproduction* is now accompanied by the Wiley E-Text: Powered by VitalSource, and includes: The latest on conceptual, informational and applied aspects of reproduction. A new structure offering a more logical approach to study and revision. Expanded further reading suggestions to support research. A companion website at www.essentialreproduction.com features all of the images from the book to download – perfect for instructor and

student support. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from Google Play or the MedHand Store. Provides strategies and tips for increasing scores on each section of the exam, features such as specific review, and offers explanations of the thirteen AP biology labs. Written by experts in their respective fields, this book reviews the expanding knowledge concerning the mechanisms regulating male reproduction at the molecular and cellular levels. It covers the development of the testes, regulatory controls for spermatogenesis and steroidogenesis, and it considers aspects of Sertoli cell function. Areas of emphasis include communication between the various cell types involved in reproduction by hormone and growth factors and the mechanisms by which these factors regulate gene expression. A number of mammalian systems, including humans, are covered. The carefully selected authors provide a clear synopsis of the concepts in each area as well as the references, enabling the reader to investigate the topic further. This book is of interest to those seeking an understanding of the regulatory mechanisms in male reproduction and is written for the graduate and postgraduate levels.

Key Features

- * Provides up-to-date reviews of the molecular and cellular biology of male reproduction
- * Includes chapters on the developmental biology of the testes
- * Links conventional hormonal control of testicular function with the evolving role of growth factors and proto-oncogenes

This pathbreaking book documents the transformation of reproductive practices and politics on Indian reservations from the late nineteenth century to the

present, integrating a localized history of childbearing, motherhood, and activism on the Crow Reservation in Montana with an analysis of trends affecting Indigenous women more broadly. As Brianna Theobald illustrates, the federal government and local authorities have long sought control Indigenous families and women's reproduction, using tactics such as coercive sterilization and removal of Indigenous children into the white foster care system. But Theobald examines women's resistance, showing how they have worked within families, tribal networks, and activist groups to confront these issues. Blending local and intimate family histories with the histories of broader movements such as WARN (Women of All Red Nations), Theobald links the federal government's intrusion into Indigenous women's reproductive and familial decisions to the wider history of eugenics and the reproductive rights movement. She argues convincingly that colonial politics have always been--and remain--reproductive politics. By looking deeply at one tribal nation over more than a century, Theobald offers an especially rich analysis of how Indigenous women experienced pregnancy and motherhood under evolving federal Indian policy. At the heart of this history are the Crow women who displayed creativity and fortitude in struggling for reproductive self-determination. With the move of cinema away from film, the adoption of electronic-based production throughout all media is now complete. In order to exploit its advantages, the accurate definition, measurement and reproduction of colour has become more important than ever to achieve the best fidelity of colour reproduction. This book

is concerned with providing readers with all they need to know about colour: how it is perceived and described, how it is measured and generated and how it is reproduced in colour systems. It serves as both a tutorial and a reference book, defining what we mean by colour and providing an explanation of the proper derivation of chromaticity charts and through to the means of ensuring accurate colour management. Key Features: Addresses important theory and common misconceptions in colour science and reproduction from the perception and characteristics of colour to the practicalities of its rendering in the fields of television, photography and cinematography Offers a clear treatment of the CIE chromaticity charts and their related calculations, supporting discussion on system primaries, their colour gamuts and the derivation of their contingent red, green and blue camera spectral sensitivities Reviews the next state-of-the-art developments in colour reproduction beyond current solutions, from Ultra-High Definition Television for the 2020s to laser projectors with unprecedented colour range for the digital cinema Includes a companion website hosting a workbook consisting of invaluable macro-enabled data worksheets; JPEG files containing images referred to in the book, including colour bars and grey scale charts to establish perceived contrast range under different environmental conditions; and, guides to both the workbook and JPEG files

This book briefly reviews the history of equine embryo transfer, covering in clinically practical terms the techniques, equipment, and management protocols currently in use. Embryo transfer has become a big business, especially for

breeding racing stock (horses and camels), and is therefore a very important aspect of equine practice. Ed Squires and Paul McCue have been involved with the development of embryo collection and transfer procedures since the early 60s and have both contributed important techniques and innovations to the process through their research and clinical experience. This book captures the clinical experience, so far, and applies it directly to equine practice. The book is of great value to general equine practitioners for reference, equine reproduction specialists, animal science at the graduate level (equine track), and breeders.

Cattle play a fundamental role in animal agriculture throughout the world. They not only provide us with a vital food source, but they also provide us with fertilizer and fuel. Keeping reproduction levels at an optimum level is therefore essential, but this is often a complicated process, especially with modern, high yielding cows. Written in a practical and user-friendly style, this book aims to help the reader understand cattle reproduction by explaining the underlying physiology of the reproductive process and the role and importance of pharmacology and technology, and showing how management techniques can improve reproductive efficiency. This edition includes: Recent research findings on the physiology of the oestrous cycle and its control; New techniques for monitoring and manipulating reproduction, including pregnancy diagnosis and embryo transfer; Advice on identifying common infertility problems and how to prevent and treat them.

Reproduction Cattle 3 is essential reading for veterinary and agricultural students, as well as veterinarians and farmers involved in cattle

reproduction. "With subtlety and wit, [a] prizewinning debut" novel set in 1970s Toronto "explores a liaison across race and class divisions in Canada" (The Guardian, UK). Felicia and Edgar come from different worlds. She's a nineteen-year-old student and Caribbean immigrant while he is the impetuous heir to his German family's fortune. When their ailing mothers are assigned the same Toronto hospital room, their chance encounter leads to an unlikely relationship full of miscommunications, misunderstandings, and very surprising results. Years later, Felicia's son Armistice—"Army" for short—is a teenager fixated on get-rich-quick schemes, each one more absurd than the next. The Edgar finally re-enters Felicia's life, at yet another inopportune moment, putting this "witty, playful and disarmingly offbeat" saga on the path to its heartfelt conclusion (The Toronto Star, CA). Winner of the Scotiabank Giller Prize This acclaimed text has been fully revised and updated, now incorporating issues including aging of the reproductive system, and updates on the chapters on conception and Gamete Transport and Fertilization, and Pregnancy. Human Reproductive Biology, Third Edition emphasizes the biological and biomedical aspects of human reproduction, explains advances in reproductive science and discusses the choices and concerns of today. Generously illustrated in full color, the text provides current information about human reproductive anatomy and physiology. The ideal book for courses on human reproductive biology - includes chapter introductions, sidebars on related topics of interest, chapter summaries and suggestions for further

reading. All material completely updated with the latest research results, methods, and topics now organized to facilitate logical presentation of topics New chapters on Reproductive Senescence, Conception: Gamete Transport, Fertilization, Pregnancy: Maternal Aspects and Pregnancy: Fetal Development Full color illustrations The Politics of Reproduction: Adoption, Abortion and Surrogacy in the Age of Neoliberalism uniquely brings together three sites of reproduction and reproductive politics to demonstrate their entanglement in creating or restricting options for family-making. The original essays in this collection--which draw from a wide range of disciplinary and theoretical perspectives--are attentive to neoliberalism's reshaping of economies and intimacies to better understand the politics reproduction. By looking at particular instances (surrogacy in Mexico, forced sterilization in Peru, and racialized biopolitics in post-Katrina Mississippi, among other sites), *The Politics of Reproduction* focuses on the effects of a radically altered economic landscape on individual choice-making. As a whole, the volume critically engages the question of choice to better understand the costs of a political and ideological climate that encourages, even demands, individual solutions to intractable social problems. Whose choices are amplified in the use of new biomedical technologies and assisted reproduction? Who and how are we discouraged from understanding the economic motivations behind the "choice" to surrender a baby for adoption or to become a surrogate or to seek an abortion? Attentive to the historical, cultural, and ideological conjunctures of reproductive politics, *The Politics of*

Reproduction makes a distinctive contribution to feminist analyses of the specific challenges posed by neoliberalism to reproductive possibilities, politics, and justice in the contemporary moment. When you're looking for a comprehensive and reliable text on large animal reproduction, look no further! the seventh edition of this classic text is geared for the undergraduate student in Agricultural Sciences and Veterinary Medicine. In response to reader feedback, Dr. Hafez has streamlined and edited the entire text to remove all repetitious and nonessential material. That means you'll learn more in fewer pages. Plus the seventh edition is filled with features that help you grasp the concepts of reproduction in farm animals so you'll perform better on exams and in practice: condensed and simplified tables, so they're easier to consult an easy-to-scan glossary at the end of the book an expanded appendix, which includes graphic illustrations of assisted reproduction technology Plus, you'll find valuable NEW COVERAGE on all these topics: Equine Reproduction: expanded information reflecting today's knowledge Llamas (NEW CHAPTER) Micromanipulation of Gametes and In Vitro Fertilization (NEW CHAPTER!) Reach for the text that's revised with the undergraduate in mind: seventh edition of Hafez's Reproduction in Farm Animals. Photographs and brief text introduce general concepts of human reproduction. A separate text for adults provides more specific detail and suggestions for discussing the subject with children. Bovine Reproduction is a comprehensive, current reference providing information on all aspects of reproduction in the bull and cow. Offering fundamental

knowledge on evaluating and restoring fertility in the bovine patient, the book also places information in the context of herd health where appropriate for a truly global view of bovine theriogenology. Printed in full color throughout, the book includes 83 chapters and more than 550 images, making it the most exhaustive reference available on this topic. Each section covers anatomy and physiology, breeding management, and reproductive surgery, as well as obstetric and pregnancy wastage in the cow. Bovine Reproduction is a welcome resource for bovine practitioners, theriogenologists, and animal scientists, as well as veterinary students and residents with an interest in the cow. This book represents the combined experience and wisdom of two leaders in sustainable cattle production. Gerald Fry offers a lifetime of practical experience seasoned by study and observation. Charles Walters draws on his own observations as well as interviews with thousands of eco-farmers and consultants over the past four decades. The result is an insightful book that is practical in the extreme, yet eminently readable. In this book you will learn: how to "read" an animal, what linear measurement is, why linear measurement selects ideal breeding stock, the nuances of bull fertility, the strengths of classic cattle breeds, the role of pastures, the mineral diet's role in health. The authors develop an analysis of education. They show how education carries an essentially arbitrary cultural scheme which is actually based on power. More widely, the reproduction of culture through education is shown to play a key part in the reproduction of the whole social system. Biology of Sex is a lively and intellectually

challenging textbook. Mills analyzes the biological basis of sex by considering genetic, physiological, and evolutionary principles. In order to explain the biological aspects of human sex, he uses direct and intriguing comparisons with the many variations in sexual systems among non-human organisms. Text boxes provide fascinating examples: non-human species that cannibalize their partners during copulation, organisms that do not fall within one of two biological sexes, and species that "trick" others into raising their young. The author also explores questions such as: "Is sex only for reproduction?", "Why is sex pleasurable?", and "What are the roots of sexual conflict?" Intended primarily for readers without a science background, *Biology of Sex* provides novel content from the human and non-human worlds to introduce the complex subject of sex and reproduction. This book paints a comprehensive portrait of Mexico's system of assisted reproduction first from a historical perspective, then from a more contemporary viewpoint. Based on a detailed analysis of books and articles published between the 1950s and 1980s, the first section tells the story of how the epistemic, normative, and material infrastructure of the assisted reproduction system was built. It traces the professionalization process of assisted reproduction as a medical field and the establishment of its professional association. Drawing on ethnographic material, the second part looks at how this system developed and flourished from the 1980s up to 2010, its commercialization process, how the expansion of reproductive services took place, and the messages regarding reproductive technologies that circulated within a wide discursive

landscape. Given its scope and methods, this book will appeal to scholars interested in science and technology studies, reproduction studies, history of medicine, medical anthropology, and sociology. Within twenty, maybe forty, years most people in developed countries will stop having sex for the purpose of reproduction. Instead, prospective parents will be told as much as they wish to know about the genetic makeup of dozens of embryos, and they will pick one or two for implantation, gestation, and birth. And it will be safe, lawful, and free. In this work of prophetic scholarship, Henry T. Greely explains the revolutionary biological technologies that make this future a seeming inevitability and sets out the deep ethical and legal challenges humanity faces as a result. "Readers looking for a more in-depth analysis of human genome modifications and reproductive technologies and their legal and ethical implications should strongly consider picking up Greely's *The End of Sex and the Future of Human Reproduction*...[It has] the potential to empower readers to make informed decisions about the implementation of advancements in genetics technologies." —Dov Greenbaum, *Science* "[Greely] provides an extraordinarily sophisticated analysis of the practical, political, legal, and ethical implications of the new world of human reproduction. His book is a model of highly informed, rigorous, thought-provoking speculation about an immensely important topic." —Glenn C. Altschuler, *Psychology Today* A primatologist explores the mystery of the origins of human reproduction, explaining that understanding the evolutionary past can provide insight into what worked, what didn't, and what it

means for the future of mankind. Now in full color, *Manual Equine Reproduction, 3rd Edition* provides a comprehensive look at the reproductive management of horses, including management of stallions, pregnant mares, and neonatal foals. Expert authors use a concise, practical approach in discussing improved therapies and treatments in equine breeding. You'll enhance your skills and knowledge with this book's detailed coverage of techniques used in reproductive examination, breeding procedures, pregnancy diagnosis, foaling, and reproductive tract surgery. A clinical emphasis includes a step-by-step format of possible scenarios from conception to breeding management. Practical information includes topics such as breeding with transported cooled or frozen semen, and caring for the broodmare and newborn foal. The organization of material corresponds to the course of study in veterinary school, so you can find topics easily. Chapter objectives and study questions at the beginning of each chapter guide you through the material and provide clear learning goals. *Evaluation of Breeding Records* chapter covers the importance of breeding records, and how to use them to evaluate stallion performance and optimize fertility. References are listed at the end of each chapter for further research and study. Full-color photographs and illustrations clearly depict procedures, and all drawings have been redrawn and improved. *NEW Assisted Reproductive Technology* chapter goes beyond embryo transfer. Updated content includes the latest advances in therapies and treatments. New content is added to two chapters, *Reproductive Physiology of the Nonpregnant Mare* and

Manipulation of Estrus in the Mare. Thorough coverage of every aspect of equine reproduction provides a strong foundation for success in veterinary practice, including a discussion of the use of GnRH-analog deslorelin (Ovuplant) to hasten ovulation; aseptic technique for endometrial biopsy; use of transabdominal ultrasonography, especially in early pregnancy; determination of fetal gender by transrectal ultrasonography; aspiration testicular biopsy using a spring loaded biopsy instrument; and procedure for surgical embryo transfer.

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