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The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including Information Pertaining to Goats, Sheep, Horses, Swine, and Other Animals) - Harry August Herman - 1994

The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including Information Pertaining to Goats, Sheep, Horses, Swine, and Other Animals) - Harry August Herman - 1994

Report of the technical consultation on artificial insemination and embryo transfer in cattle in African countries - Food and Agriculture Organization of the United Nations - 1986

Report of the technical consultation on artificial insemination and embryo transfer in cattle in African countries - Food and Agriculture Organization of the United Nations - 1986

The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including Information Pertaining to Goats, Sheep, Horses, Swine, and Other Animals) - Jere R. Mitchell - 2004

Material is organized into 5 parts for easy and ready use, broadening the usefulness of the book, manual available. This manual prepares users for the "real world" by exposing them to the latest technology and techniques used in the reproduction and the practice of artificial insemination (AI) in livestock. Part One provides information on the advantages and considerations of artificial insemination, basic livestock genetics, the anatomy and reproductive processes of the cow and bull, and semen collection methods. It relates statistics on AI usage and general information about NAAB and CSS. Part Two deals with semen characteristics, including evaluation, processing, and extension; freezing and cryogenic storage; and care of the refrigerator unit. The various tests for semen quality are discussed in detail as is custom selection of semen. Part Three explains insemination techniques for dairy and beef cattle, inseminator training, pregnancy determination in cattle, conception rates, and breeding problems. The exercise on "Embryo Transfer and Related Practices" explains the advances and techniques involved in the field. Part Four includes an overview of sire selection, sire health, sire management, AI organization, and career opportunities. Part Five explains the use and techniques for artificial insemination in dairy goats and other farm animals. For herd operators and persons involved in genetic development—of particular use to people interested in livestock improvement. For those who are anticipating careers in some phase of the AI industry.
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The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including Techniques for Goats, Sheep, Horses, and Swine) - Harry August Herman - 1987

Proceedings of the Annual Conference on Artificial Insemination and Embryo Transfer in Beef Cattle - - 1986

Artificial Insemination of Embryo Transfer Donor Ewes with the Aid of the Laparoscope - G. Reed Holyoak - 1984

Artificial Insemination of Embryo Transfer Donor Ewes with the Aid of the Laparoscope - G. Reed Holyoak - 1984

Proceedings of the Annual Conference on Artificial Insemination and Embryo Transfer in Beef Cattle - National Association of Animal Breeders (U.S.) - 1982

Proceedings of the Annual Conference on Artificial Insemination and Embryo Transfer in Beef Cattle - National Association of Animal Breeders (U.S.) - 1982

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Proceedings from the Annual Conference on Artificial Insemination and Embryo Transfer in Beef Cattle, January 16, 1982, Denver, Colorado - - 1982

Proceedings from the Annual Conference on Artificial Insemination and Embryo Transfer in Beef Cattle, January 16, 1982, Denver,
The Design of Breeding Programs Using Progeny Testing, Artificial Insemination and Embryo Transfer - Lindsay D. Brash - 1995

Embryo Transfer in Animals - Sheldon Cheney - 1990

This comprehensive, step-by-step laboratory training manual brings all the elements for a successful embryo transfer program together in a simple, organized, illustrated format. For the last several decades, artificial insemination has allowed genetic progress to be achieved relatively quickly through the widespread and efficient use of frozen semen. As a result of the advancement of embryo transfer (ET) techniques, cows can produce many offspring. A more rapid genetic gain is achieved which complements an artificial insemination program.

Equine Breeding Management and Artificial Insemination - Juan C. Samper - 2009
Practical information on the reproductive management of both thoroughbred and warmblood breeding operations prepares horse breeders to effectively breed even problem mares and stallions.
Preservation of Property. Lastly, the third part of Practical information on the reproductive management of both thoroughbred and warmblood breeding operations prepares horse breeders to effectively breed even problem mares and stallions.

**Contemporary Bioethics** - Mohammed Ali Al-Bar - 2015-05-27

This book discusses the common principles of morality and ethics derived from divinely endowed intuitive reason through the creation of al-fitr’a (nature) and human intellect (al-‘aql). Biomedical topics are presented and ethical issues related to topics such as genetic testing, assisted reproduction and organ transplantation are discussed. Whereas these natural sources are God’s special gifts to human beings, God’s revelation as given to the prophets is the supernatural source of divine guidance through which human communities have been guided at all times through history. The second part of the book concentrates on the objectives of Islamic religious practice - the maqa’ sid - which include: Preservation of Faith, Preservation of Life, Preservation of Mind (intellect and reason), Preservation of Progeny (al-nasl) and Preservation of Property. Lastly, the third part of the book discusses selected topical issues, including abortion, assisted reproduction devices, genetics, organ transplantation, brain death and end-of-life aspects. For each topic, the current medical evidence is followed by a detailed discussion of the ethical issues involved.

**New Technologies in Animal Breeding** - B G Brackett - 2012-12-02

New Technologies in Animal Breeding looks at new reproductive technologies in breeding domestic animals, such as sex selection, frozen storage of oocytes and embryos, in vitro fertilization and embryo culture, amphibian nuclear transplantation, parthenogenesis, identical twins and cloning in mammals, and gene transfer in mammalian cells. It summarizes the state-of-the art and offers perspectives on future directions for several animal industries of great importance in food production, including artificial insemination, embryo transfer, poultry breeding, and aquaculture. Organized into five sections encompassing 14 chapters, this book begins with an overview of animals in society and perspectives on animal breeding. It then discusses the animal industries that are heavily dependent on reproductive technology, including those engaged in cloning, selfing, aquaculture, artificial insemination, and embryo transfer. It also explains the developing technologies as well as their potential applications and impacts on animal production, along with special economic considerations, such as the benefits of reproductive management, synchronization of estrus, and artificial insemination of beef cattle and sheep. The final chapter considers biomedical and agricultural research, implementation of new technologies in animal breeding, and research in animal reproduction. This book is an essential reference for scientists and researchers interested in animal science and animal reproduction.
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**Embryos, Ethics, and Women's Rights**
Elaine Baruch - 2014-04-23
Will procreation become just another commodity in the marketplace with “designer” sperm, ova, and embryos offered for sale? Will the attention and monies focused on the new reproductive technologies take away resources from infertility prevention, prenatal care, and adoption? If states move to regulate such practices, will this encourage widespread governmental interference in reproductive choice? How will society look at the biologically unique children who are the products of genetic manipulation—and more importantly, how will these children view themselves? This controversial book explores the answers to these questions that are frequently being asked as the battles over reproductive technologies and freedoms become more heated and touch more people’s lives. Embryos, Ethics, and Women’s Rights examines both the clinical and personal perspectives of reproductive technologies. Experts explain and debate the growing number of procreative possibilities—in vitro fertilization, genetic manipulation of embryos, embryo transfer, surrogacy, prenatal screening, and the fetus as patient. Some of the leading authorities in the field, including John Robertson, Ruth Hubbard, and Gena Corea, address the ethical, legal, religious, social, and psychological concerns that are inherent in the issues. Essential reading for every person concerned with control over basic issues of human destiny, Embryos, Ethics, and Women’s Rights provides unique and comprehensive coverage on the subject of technologically controlled childbearing and particularly its effects on mothers and their unborn children.

**Equine Reproduction**
University of Missouri--Columbia. College of Veterinary Medicine - 1981

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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 obstetrics 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.

**Science and Babies** - Institute of Medicine - 1990-02-01
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.

**Bovine Reproduction** - Richard M. Hopper - 2014-08-18
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 obstetrics 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.
experience in this ever-evolving field. The high featuring interesting accounts of potential scientific advances.

**Advances in Assisted Reproductive Technologies** - Z. BenRafael - 2012-12-06
The World Congress of In Vitro Fertilization and Alternate Assisted Reproduction, held in Jerusalem, Israel, 2-7 April, 1989, was the sixth in the sequence of these Congresses, but was the first to emphasize the major importance and the place of assisted reproductive technologies in the treatment of infertility. The eternal City of Jerusalem witnessed the gathering of more than 1500 participants from allover the world who shared and exchanged knowledge and up-to-date experience in this ever-evolving field. The high quality scientific contributions to the Congress culminated in the publication of this Proceedings. It embraces all-important aspects in the field of in vitro fertilization and alternate assisted reproduction. Papers on controversies and diversities of methods to stimulate the ovaries, imaging techniques, basic research and state-of-the-art papers on ovarian physiology, the role of GnRH and its analog, clinical aspects of IVF treatment and cryopreservation, up-to-date techniques in assisted reproductive technologies that are quickly developing in conjunction with IVF, were included. When should IVF be preferable to surgery? What are the expected up-to-date world results and what are the psychological, moral, ethical and religious implications? These are all the concerns of the treating team and are addressed here. Male factor infertility remains a frustrating problem, but advances in the understanding of sperm-egg interaction, sperm evaluation and preparation are reported. Micromanipulation emerges as a possible alternative to bring some relief to this problem, but it also promises to be central in promoting the field of prenatal genetic analysis.

**Genetic and Economic Gains in Sheep from Use of Artificial Insemination and Multiple Ovulation and Embryo Transfer** - E. M. Salmon - 1992

**Comparative Reproductive Biology** - Heide Schatten - 2008-03-21
When considering the physiological systems of the body, the degree of species variation within the reproductive system compared to other systems is remarkable. Furthermore, it is essential that researchers, educators, and students alike remain aware of the fundamental comparative differences in the reproductive biology of domestic species. Written by renowned scientists in their respective fields, Comparative Reproductive Biology is a comprehensive reference on the reproductive systems of domestic species. The book offers both broad and specific knowledge in areas that have advanced the field in recent years, including advances in cell and molecular biology applied to reproduction, transgenic animal production,
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This two-volume textbook provides a comprehensive overview on the broad field of Animal Biotechnology with a special focus on livestock reproduction and breeding. The reader will be introduced to a variety of state-of-the-art technologies and emerging genetic tools and their applications in animal production. Also, ethics and legal aspects of animal biotechnology will be discussed and new trends and developments in the field will be critically assessed. The two-volume work is a must-have for graduate students, advanced undergraduates and researchers in the field of veterinary medicine, genetics and animal biotechnology. This first volume mainly focuses on artificial insemination, embryo transfer technologies in diverse animal species and cryopreservation of oocytes and embryos.

Reproductive Technologies: Artificial Insemination, Embryo Transfer, Genetic Experimentation - - 1984

Reproductive Technologies: Artificial Insemination, Embryo Transfer, Genetic Experimentation - - 1984

Clinical In Vitro Fertilization - C. Wood - 2012-12-06

Man is entering a new era as a result of advances in human reproduction. Techniques have been developed to assist in the creation of man-artificial insemination and, now, in vitro fertilization (IVF). Soon, other new methods, based upon current advances of the IVF procedure, will develop to improve the quality of human reproduction. The book describes the conceptual framework and details of technique concerned with in vitro fertilization and embryo transfer (ET). Edwards and Steptoe first described the technique of IVF and ET and the subsequent births of two normal babies. Since then, the success rate of the system has been improved by the use of fertility drugs to provide more oocytes and preincubation to mature the oocyte before fertilization. As a result of the continued research from Melbourne and Cambridge, more than 100 babies have been born. A free interchange of information between the Cambridge and Melbourne groups has led to a predictable success rate of 15%-20% per laparoscopy, and infertility centres all over the world are now copying the techniques. It is an appropriate time to inform doctors and scientists involved in IVF and ET. While many advances will occur in the future, the establishment of high success rates in several of the critical steps in the procedure-oocyte pick-up rate (90%), fertilization (>90%) and early embryo development (70%-90% )-signifies that some of the new techniques are stabilized sufficiently to warrant transmission of information by text, rather than scientific journal.

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