

Assisted Reproductive Technologies In The Global South And North Issues Challenges And The Future

New Discoveries in Embryology
Textbook of Assisted Reproduction for Scientists in Reproductive Technology
Reproductive Technologies in Animals
Making Parents
The Pursuit of Parenthood
The Art and Science of Assisted Reproductive Techniques
Ethical Dilemmas in Assisted Reproductive Technologies
Psychoanalytic Aspects of Assisted Reproductive Technology
Legal Conceptions
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Current and Future Reproductive Technologies and World Food Production
Assisted Reproduction Across Borders
Islam and New Kinship
Textbook of Assisted Reproductive Techniques
Childlessness in Europe: Contexts, Causes, and Consequences
Assisted Reproductive Technologies in the Third Phase
Assisted Reproductive Technologies (ARTs)
Assisted Reproductive Technology
Textbook of Assisted Reproductive Techniques Fourth Edition
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Scientific and Medical Aspects of Human Reproductive Cloning
Regulating Assisted Reproductive Technologies
Assisted Reproductive Technology Surveillance
Advances in Assisted Reproductive Technologies
Advances in Assisted Reproductive Technologies
Assisted Reproductive Technology
Fertility and Assisted Reproductive Technology (ART)
Safety in Assisted Reproductive Technologies: Insights from Gene Expression Studies During Preimplantation Development
Human Assisted Reproductive Technology

New Discoveries in Embryology

This book brings together the most current research and the latest clinical approaches to the management of diminished ovarian reserve (DOR), one of the largest segments of the IVF patient population, both in the advanced reproductive age group as well as poor responders. Opening with a review of the definition and scope of the problem, as well as the current understanding of the natural history of DOR, subsequent chapters in part I outline dietary, hormonal, traditional supplements and conventional methods used to stimulate ovaries and improve ART outcomes. The main segment of chapters, comprising part II, present minimal and mild stimulation protocols and alternatives, frozen embryo transfer preparation, trigger agents and post-trigger testing, embryo culture and endometrial considerations, and a review of clinical outcomes. Part III discusses the utilization of contemporary technologies in the treatment of DOR, including fresh vs. frozen embryo transfer, cryopreservation and comprehensive chromosomal analysis. Future prospects are presented in part IV,

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such as the artificial oocyte and ovary development, early-age oocyte freezing, ovarian cortical tissue freezing and activation of the ovarian cortex. Utilizing the latest evidence and authored by an international array of thought leaders, Diminished Ovarian Reserve and Assisted Reproductive Technologies is an excellent resource for reproductive medicine and REI specialists, IVF lab professionals, and students and residents in these areas.

Textbook of Assisted Reproduction for Scientists in Reproductive Technology

It offers information and insight to policymakers, medical and legal professionals, patients and other participants, and everyone else interested in the history and future direction of the field.

Reproductive Technologies in Animals

Textbook of Assisted Reproductive Technologies has become a classic comprehensive reference for the whole team at the IVF clinic. The fourth edition comes more conveniently as a set of two separate volumes, one for laboratory aspects and the other for clinical applications. The text has been extensively revised, with the addition of several important new contributions on clinical applications, including new chapters on lifestyle factors, tailored ovarian stimulation, frozen-thawed embryo transfer, viral disease, and religious perspectives. As before, methods, protocols, and techniques of choice are presented by eminent international experts. Also available - Textbook of Assisted Reproductive Technologies, Volume One - Laboratory Perspectives Textbook of Assisted Reproductive Technologies, Two Volume Set

Making Parents

As more people turn to assisted reproduction, the legal issues surrounding it have become increasingly complex. Beyond representing patients or clinics, numerous legal problems are arising from the technology's application. Disputes in divorce are the most common, but this technology impacts the law in other areas, including personal injury, insurance, criminal law, and estate planning. Drawing from multiple legal sources, this book presents complex information in a direct, balanced and fair manner. It includes glossary, sample forms and checklists, and bibliography.

The Pursuit of Parenthood

Delivers current knowledge from global experts at the forefront of fertility and ART healthcare The first publication of its kind, this book on fertility and assisted reproductive technology (ART) is a globally focused, authoritative guide to state-of-the-art information about modern fertility and ART healthcare. Written for clinicians, public health officials, women's health

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experts, scientists, students, scholars, and other interested individuals, the book encompasses theoretical, research, policy, and clinical practice aspects of fertility and ART healthcare. The book features the diverse contributions of multidisciplinary researchers, scholars, and clinicians from eight countries who explore contemporary health care perspectives regarding individuals and families dealing with infertility and fertility challenges including such advanced technologies as in-vitro fertilization, intrauterine insemination, and oocyte preservation. The book addresses theoretical underpinnings of fertility and ART healthcare including new ways of conceptualizing research and theoretical concepts. Practical aspects involved with administering and treating the many women and men whose lives are affected by fertility challenges are illuminated. Complex policy concerns resulting from the rapid advances in fertility and ART are considered. The health care needs of those seeking fertility evaluation and treatment including access to care locally and globally are examined in depth. The book also includes discussions about novel approaches and emerging populations in fertility and ART healthcare that expand the scope of care. Thought-provoking case examples from contemporary care practices will help the reader to synthesize information. Key Features: Delivers thought provoking ART research and practice issues for health care clinicians, scholars, and scientists Synthesizes evolving theory, research, clinical practice, and public policy concerns Addresses complex considerations within the practice and delivery of fertility and ART services Written by international thought leaders and emerging scholars on the forefront of ART technologies and other issues Includes case study exemplars to stimulate critical thinking and transform discussion about modern fertility and ART care

The Art and Science of Assisted Reproductive Techniques

Reproductive technologies, says Thompson, are part of the increasing tendency to turn social problems into biomedical questions and can be used as a lens to see the resulting changes in the relations between science and society."--BOOK JACKET.

Ethical Dilemmas in Assisted Reproductive Technologies

How and to what extent have Islamic legal scholars and Middle Eastern lawmakers, as well as Middle Eastern Muslim physicians and patients, grappled with the complex bioethical, legal, and social issues that are raised in the process of attempting to conceive life in the face of infertility? This path-breaking volume explores the influence of Islamic attitudes on Assisted Reproductive Technologies (ARTs) and reveals the variations in both the Islamic jurisprudence and the cultural responses to ARTs.

Psychoanalytic Aspects of Assisted Reproductive Technology

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Assisted reproduction techniques have led to the birth of 4 million babies worldwide. Assisted reproduction techniques (ART), in particular in-vitro fertilization and intra-cytoplasmic sperm injection, are the most advanced forms of infertility treatment. They involve numerous counseling, medical, surgical and laboratory-based steps. At each step various problems and complications could be encountered that challenge even the most experienced ART practitioners. Moreover, patients with complex medical disorders may require ART, presenting further challenges. Assisted Reproduction Techniques will stimulate resourceful thinking in the ART practitioner when faced with these challenges. It outlines various management options, the reasoning behind them, and the evidence on which they are based to enable the practitioner to choose the most suitable solution for the needs of each patient. Written by 122 internationally renowned experts, Assisted Reproduction Techniques follows the patient's journey throughout the whole ART process, with chapters on: Counseling and preparation Ovarian stimulation Oocyte retrieval Embryo transfer The luteal phase The ART laboratory The male patient The ART pregnancy Each of the 100 concise chapters includes clinical cases, background, evidence-based practical management options, preventive measures and key-point summaries of the important details. Assisted Reproduction Techniques gives a wide-ranging practical guide to all those wishing to support couples who cannot conceive naturally.

Legal Conceptions

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.

Assisted Reproduction Techniques

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 all over the world who shared and exchanged knowledge and up-to-date experience in

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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.

Current and Future Reproductive Technologies and World Food Production

Examines emerging assisted reproductive technologies that will revolutionise the future of human reproduction and their regulation.

Assisted Reproduction Across Borders

Human Assisted Reproductive Technology: Future Trends in Laboratory and Clinical Practice offers a collection of concise, practical review articles on cutting-edge topics within reproductive medicine. Each article presents a balanced view of clinically relevant information and looks ahead to how practice will change over the next five years. The clinical section discusses advances in reproductive surgery and current use of robotic surgery for tubal reversal and removal of fibroids. It looks into the refinement of surgical procedures for fertility preservation purposes. Chapters also discuss non-invasive diagnosis of endometriosis with proteomics technology, new concepts in ovarian stimulation and in the management of polycystic ovary syndrome, and evidence-based ART. The embryology section discusses issues ranging from three-dimensional in-vitro ovarian follicle culture, and morphometric and proteomics analysis of embryos, to oocyte and embryo cryopreservation. This forward-looking volume of review articles is key reading for reproductive medicine physicians, gynecologists, reproductive endocrinologists, urologists and andrologists.

Islam and New Kinship

Textbook of Assisted Reproductive Techniques has become a classic comprehensive reference for the whole team at the IVF clinic. The fourth edition comes more conveniently as a set of two separate volumes, one for laboratory aspects and the

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other for clinical applications. The text has been extensively revised, with the addition of several important new contributions on laboratory aspects including developing techniques such as PICSI, IMSI, and time-lapse imaging. The second volume focuses on clinical applications and includes new chapters on lifestyle factors, tailored ovarian stimulation, frozen-thawed embryo transfer, viral disease, and religious perspectives. As before, methods, protocols, and techniques of choice are presented by eminent international experts. The two volume set includes: ■ Volume One - Laboratory Perspectives ■ Volume Two - Clinical Perspectives

Textbook of Assisted Reproductive Techniques

This book stems from the author's clinical experience working with infertile women in psychotherapy and psychoanalysis. It highlights the crucial importance of integrative work of psychotherapists and psychoanalysts with reproductive medical specialists in assisted reproductive technology (ART).

Childlessness in Europe: Contexts, Causes, and Consequences

Offers a comprehensive guide to assisted reproductive technology surveillance, describing its history, global variations, and best practices.

Assisted Reproductive Technologies in the Third Phase

Reproductive Technologies in Animals provides the most updated and comprehensive knowledge on the various aspects and applications of reproductive technologies in production animals as well as companion, wild, exotic, and laboratory animals and birds. The text synthesizes historical information and recent discoveries, while dealing with economical and geographical issues related to the implementation of the same technologies. It also presents the effects of reproductive technology implementation on animal welfare and the possible threat of pathogen transmission. Reproductive Technologies in Animals is an important resource for academics, researchers, professionals in public and private animal business, and students at the undergraduate and graduate levels, as it gives a full and detailed first-hand analysis of all species subjected to the use of reproductive technologies. Provides research from a team of scientists and researchers whose expertise spans all aspects of animal reproductive technologies Addresses the use of reproductive technologies in a wide range of animal species Offers a complete description and historical background for each species described Discusses successes and failure as well as future challenges in reproductive technologies

Assisted Reproductive Technologies (ARTs)

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This three volume set is a comprehensive guide to Assisted Reproductive Technology (ART) for clinicians. Volume one begins with an introduction to infertility, describing physiology, endocrinology and infertility in both men and women. The following sections provide in depth discussion on ART, from ovulation induction and intrauterine insemination, to complications, outcomes and ethical issues. The second volume is dedicated to In Vitro Fertilisation (IVF) and related procedures, whilst volume three is an atlas of embryology. This practical manual is an invaluable reference for clinicians specialising in infertility management and includes nearly 1000 full colour photographs, each with a brief description to enhance understanding. Key points Three volume set - complete guide to ART Each volume dedicated to specific topic - Infertility, IVF & Related Procedures, and Atlas of Embryology Includes nearly 1000 photographs with descriptions Invaluable reference for practising clinicians

Assisted Reproductive Technology

Assisted reproductive technologies such as in vitro fertilization have provoked global controversy and ethical debate. This book provides a groundbreaking investigation into those debates in the Islamic Middle East, simultaneously documenting changing ideas of kinship and the evolving role of religious authority in the region through a combination of in-depth field research in Lebanon and an exhaustive survey of the Islamic legal literature. Lebanon, home to both Sunni and Shiite Muslim communities, provides a valuable site through which to explore the overall dynamism and diversity of global Islamic debate. As this book shows, Muslim perspectives focus on the moral propriety of such controversial procedures as the use of donor sperm and eggs as well as surrogacy arrangements, which are allowed by some authorities using surprising and innovative legal arguments. These arguments challenge common stereotypes of the rigidity and conservatism of Islamic law and compel us to question conventional contrasts between 'liberal' and Islamic notions of moral freedom, as well as the epistemological assumptions of anthropology's own 'new kinship studies'. This book will be essential reading for anyone interested in contemporary Islam and the impact of reproductive technology on the global social imaginary.

Textbook of Assisted Reproductive Techniques Fourth Edition

Despite France and Belgium sharing and interacting constantly with similar culinary tastes, music and pop culture, access to Assisted Reproductive Technologies are strikingly different. Discrimination written into French law acutely contrasts with non-discriminatory access to ART in Belgium. The contributors of this volume are social scientists from France, Belgium, England and the United States, representing different disciplines: law, political science, philosophy, sociology and anthropology. Each author has attempted, through the prism of their specialties, to demonstrate and analyse how and why this striking difference in access to ART exists.

Contemporary Bioethics

This book is published open access under a CC BY 4.0 license. This open access book provides an overview of childlessness throughout Europe. It offers a collection of papers written by leading demographers and sociologists that examine contexts, causes, and consequences of childlessness in countries throughout the region. The book features data from all over Europe. It specifically highlights patterns of childlessness in Germany, France, the United Kingdom, Finland, Sweden, Austria and Switzerland. An additional chapter on childlessness in the United States puts the European experience in perspective. The book offers readers such insights as the determinants of lifelong childlessness, whether governments can and should counteract increasing childlessness, how the phenomenon differs across social strata and the role economic uncertainties play. In addition, the book also examines life course dynamics and biographical patterns, assisted reproduction as well as the consequences of childlessness. Childlessness has been increasing rapidly in most European countries in recent decades. This book offers readers expert analysis into this issue from leading experts in the field of family behavior. From causes to consequences, it explores the many facets of childlessness throughout Europe to present a comprehensive portrait of this important demographic and sociological trend.

Islam and Assisted Reproductive Technologies

Israel is the only country in the world that offers free fertility treatments to nearly any woman who requires medical assistance. It also has the world's highest per capita usage of in-vitro fertilization. Examining state policies and the application of reproductive technologies among Jewish Israelis, this volume explores the role of tradition and politics in the construction of families within local Jewish populations. The contributors-anthropologists, bioethicists, jurists, physicians and biologists-highlight the complexities surrounding these treatments and show how biological relatedness is being construed as a technology of power; how genetics is woven into the production of identities; how reproductive technologies enhance the policing of boundaries. Donor insemination, IVF and surrogacy, as well as abortion, pre-implantation genetic diagnosis and human embryonic stem cell research, are explored within local and global contexts to convey an informed perspective on the wider Jewish Israeli environment.

Reproductive Technologies and the Law

Manual of Assisted Reproductive Technologies and Clinical Embryology aims to discuss the relevance of science of reproductive biology in modern-day Assisted Reproductive Technologies and their practical applications. The readers can learn and master the large number of sophisticated techniques which form the backbone of the fascinating and growing field of human assisted reproduction. The subject is vast and has been covered over 83 chapters. All the chapters are dealt

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by the experts of concerned fields. Principles and protocols pertaining to laboratory maintenance, culture media, cryofreezing of gametes, embryos, and genital tissues have been dealt with at length. This book is an invaluable reference book for the clinicians, reproductive biologists and embryologists.

Manual of Assisted Reproductive Technologies and Clinical Embryology

Today, it often seems as though Assisted Reproductive Technologies (ARTs) have reached a stage of normalization, at least in some countries and among certain social groups. Apparently some practices – for example in vitro fertilization (IVF) – have become standard worldwide. The contributors to Assisted Reproduction Across Borders argue against normalization as an uncontested overall trend. This volume reflects on the state of the art of ARTs. From feminist perspectives, the contributors focus on contemporary political debates triggered by ARTs. They examine the varying ways in which ARTs are interpreted and practised in different contexts, depending on religious, moral and political approaches. Assisted Reproduction Across Borders embeds feminist analysis of ARTs across a wide variety of countries and cultural contexts, discussing controversial practices such as surrogacy from the perspective of the global South as well as the global North as well as inequalities in terms of access to IVF. This volume will appeal to scholars and students of anthropology, ethnography, philosophy, political science, history, sociology, film studies, media studies, literature, art history, area studies, and interdisciplinary areas such as gender studies, cultural studies, and postcolonial studies.

Developing a Successful Assisted Reproduction Technology Law Practice

Controversies in Assisted Reproduction

Following the birth of the first “test-tube baby” in 1978, Assisted Reproductive Technologies became available to a small number of people in high-income countries able to afford the cost of private treatment, a period seen as the “First Phase” of ARTs. In the “Second Phase,” these treatments became increasingly available to cosmopolitan global elites. Today, this picture is changing — albeit slowly and unevenly — as ARTs are becoming more widely available. While, for many, accessing infertility treatments remains a dream, these are beginning to be viewed as a standard part of reproductive healthcare and family planning. This volume highlights this “Third Phase” — the opening up of ARTs to new constituencies in terms of ethnicity, geography, education, and class.

Kin, Gene, Community

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Animal individual life begins as combination of sperm and oocyte, which results in the embryogenesis from ovum fertilization to fetal stage. Embryology has become one central discipline for many modern biotechnologies. Although this subject has been studied for more than a century, new discoveries appear continuously. This book contains some new discoveries and updates some theories and technologies in animal and human embryology. Major content include new findings in gamete biology, new theories and discoveries in embryo implantation by three-dimensional imaging technology and new concept and actual application of embryology. Thus, this book will greatly update knowledge in embryology field and provide some basic theories and technologies for animal scientists and breeders as well as embryologists and anthropologists.

Diminished Ovarian Reserve and Assisted Reproductive Technologies

This multi-authored volume presents a detailed review of the evaluation and management of the infertile couple. Covering male and female infertility, medical and surgical strategies for improving reproductive success, techniques of assisted reproductive technology, and future possibilities in this fast-moving field, this extensive text is essential

The New Eugenics

Safety in Assisted Reproductive Technologies: Insights from Gene Expression Studies During Preimplantation Development.

Textbook of Assisted Reproductive Techniques Fourth Edition

Access to Assisted Reproductive Technologies

A collection of specialists presenting the state of the art of Assisted Reproductive Technology and the ethical and legal considerations encountered as we push the cutting edge.

Principles & Practice of Assisted Reproductive Technology (3 Vols)

Human reproductive cloning is an assisted reproductive technology that would be carried out with the goal of creating a newborn genetically identical to another human being. It is currently the subject of much debate around the world, involving a variety of ethical, religious, societal, scientific, and medical issues. Scientific and Medical Aspects of Human Reproductive Cloning considers the scientific and medical sides of this issue, plus ethical issues that pertain to human-

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subjects research. Based on experience with reproductive cloning in animals, the report concludes that human reproductive cloning would be dangerous for the woman, fetus, and newborn, and is likely to fail. The study panel did not address the issue of whether human reproductive cloning, even if it were found to be medically safe, would be "or would not be" acceptable to individuals or society.

Scientific and Medical Aspects of Human Reproductive Cloning

This book addresses the impacts of current and future reproductive technologies on our world food production and provides a significant contribution to the importance of research in the area of reproductive physiology that has never been compiled before. It would provide a unique opportunity to separate the impacts of how reproductive technologies have affected different species and their contributions to food production. Lastly, no publication has been compiled that demonstrates the relationship between developments in reproductive management tools and food production that may be used as a reference for scientists in addressing future research areas. During the past 50 years assisted reproductive technologies have been developed and refined to increase the number and quality of offspring from genetically superior farm animal livestock species. Artificial insemination (AI), estrous synchronization and fixed-time AI, semen and embryo cryopreservation, multiple ovulation and embryo transfer (MOET), in vitro fertilization, sex determination of sperm or embryos, and nuclear transfer are technologies that are used to enhance the production efficiency of livestock species.

Regulating Assisted Reproductive Technologies

A provocative examination of how unequal access to reproductive technology replays the sins of the eugenics movement. Eugenics, the effort to improve the human species by inhibiting reproduction of "inferior" genetic strains, ultimately came to be regarded as the great shame of the Progressive movement. Judith Daar, a prominent expert on the intersection of law and medicine, argues that current attitudes toward the potential users of modern assisted reproductive technologies threaten to replicate eugenics' same discriminatory practices. In this book, Daar asserts how barriers that block certain people's access to reproductive technologies are often founded on biases rooted in notions of class, race, and marital status. As a result, poor, minority, unmarried, disabled, and LGBT individuals are denied technologies available to well-off nonminority heterosexual applicants. An original argument on a highly emotional and important issue, this work offers a surprising departure from more familiar arguments on the issue as it warns physicians, government agencies, and the general public against repeating the mistakes of the past.

Assisted Reproductive Technology Surveillance

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Assisted Reproduction is a specialty undergoing rapid change as new technologies are introduced and new research challenges previous treatment options. This text examines a selection of controversial topics for both laboratory and clinical practice and tries to place them in perspective, so readers can understand how and why the current state of the question has come about and how future contributions to the debate should be measured. All physicians involved with the technologies concerned will learn from the expert contributions assembled here. CONTENTS: The use of ovarian markers * Use of molecular markers of endometrial receptivity * Use of GnRHa for triggering final oocyte maturation during ovarian stimulation cycles * Use of time-lapse embryo imaging in assisted reproductive technology practice * Use of cryopreservation for all embryos * Preimplantation genetic screening * The use of single embryo transfer * Use of luteal phase support * Measuring safety and efficiency in in vitro fertilization * To flush follicles during egg collection or not * Use of blastocyst culture * Use of mitochondrial donation * Controversies in recurrent implantation failure: From theory to practice * Fibroids: To remove or not? * Limitations of endometrioma surgery in in vitro fertilization: Possibilities of early disease control

Advances in Assisted Reproductive Technologies

The world of assisted reproductive technologies is a relative newcomer to the law school curriculum, making its perceptible entrance only within the past two decades. Yet the discipline mixing law and assisted conception seems to have established firm roots, sustained by a nearly daily dose of activity somewhere around the globe. The study of reproductive technologies has branched out from its founding in the late 1970s with the introduction of in vitro fertilization, to a field that includes such emerging topics as posthumous reproduction, embryonic stem cell research and human cloning. These topics often take center stage in our political and social world, making them ideal for dissection in the law school classroom.

Reproductive Technologies and the Law is designed to introduce our students to the essentials in science, medicine, law and ethics that underpin and shape each of the topics that combine to form the law of reproductive technologies. As each new technology is introduced, an effort is made to fully inform the reader about the clinical application of the technique ? that is, how the procedure is used to treat patients facing infertility or produce advances in medical research. Once comfortable with the science, students can then contemplate the legal parameters that do or should accompany the technology. Since so much of the law in this area is either nascent or wholly unformed, students are free, and indeed encouraged, to design legal systems that meet the needs of patients, parents, children and society at large ? participants all in the world of assisted reproduction.

Advances in Assisted Reproductive Technologies

Since the 1978 birth of the first IVF baby, Louise Brown, in England, more than eight million children have been born with

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the help of assisted reproductive technologies. From the start, they have stirred controversy and raised profound questions: Should there be limits to the lengths to which people can go to make their idea of family a reality? Who should pay for treatment? How can we ensure the ethical use of these technologies? And what can be done to address the racial and economic disparities in access to care that enable some to have children while others go without? In *The Pursuit of Parenthood*, historian Margaret Marsh and gynecologist Wanda Ronner seek to answer these challenging questions. Bringing their unique expertise in gender history and women's health to the subject, Marsh and Ronner examine the unprecedented means—“liberating for some and deeply unsettling for others”—by which families can now be created. Beginning with the early efforts to create embryos outside a woman's body and ending with such new developments as mitochondrial replacement techniques and uterus transplants, the authors assess the impact of contemporary reproductive technology in the United States. In this volume, we meet the scientists and physicians who have developed these technologies and the women and men who have used them. Along the way, the book dispels a number of fertility myths, offers policy recommendations that are intended to bring clarity and judgment to this complicated medical history, and reveals why the United States is still known as the “Wild West” of reproductive medicine.

Assisted Reproductive Technology

Fertility and Assisted Reproductive Technology (ART)

Textbook of Assisted Reproductive Technologies is a truly comprehensive manual for the whole team at the IVF clinic. Information is presented in a highly visual manner, allowing both methods and protocols to be consulted easily. The text provides clinical and scientific teams with the A to Zs of setting up an embryology laboratory, gives research fellows insight into technical developments, and supplies seasoned professionals with a review of the latest techniques and advances. New to the Third Edition: fully revised and expanded chapters, with new information on: single embryo transfer artificial gametes pharmacogenetics

Safety in Assisted Reproductive Technologies: Insights from Gene Expression Studies During Preimplantation Development

Assisted reproductive technologies (ART) include the artificial or partially artificial methods to achieve pregnancy. These new technologies lead to substantial changes regarding of ethical and legal aspects in reproductive medicine. The book focuses on current hot topics about ethical dilemmas in ART, e.g. about the duties of ethical committees, guidelines regarding informed consent, ethical and legal aspects of sperm donation, embryo donation, ethics of embryonic stem cells,

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therapeutical cloning, patenting of human genes, commercialization.

Human Assisted Reproductive Technology

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