In Vitro Fertilization Elder Kay Dale Brian

this fully updated new edition of a successful and popular practical guide is an indispensable account of modern in vitro fertilization practice initial chapters cover theoretical aspects of gametogenesis and embryo development at the cellular and molecular level while the latter half of the book describes the requisites for a successful ivf laboratory and the basic technologies in art advanced techniques including pre implantation genetic diagnosis vitrification and stem cell technology are comprehensively covered providing up to date analyses of these groundbreaking technologies this edition includes new practical techniques including preservation of fertility for cancer patients stem cell biology technology vitrification and in vitro maturation a refresher study review of fundamental principles of cell and molecular biology the latest information available from animal and human research in reproductive biology packed with a wealth of practical and scientific detail this is a must for all ivf practitioners

this comprehensively updated and expanded second edition builds on its successful and popular predecessor retaining the practical features which made the first edition such an essential guide to ivf the edition describes additions to the range of art clinical treatments including the use of testicular and epididymal sperm blastocyst stage transfer and new perspectives in cryobiology and cryopreservation techniques by incorporating laboratory techniques and protocols with an even greater emphasis on quality control it provides an indispensable and practical account the introductory chapters covering the scientific background that underpins effective laboratory practice have been substantially expanded derived from research in mammalian systems into the molecular biology of oogenesis oocyte maturation and early embryo metabolism this second edition distils a wealth of practical and scientific detail for the benefit of all ivf practitioners

this new edition of sarah franklin's classic monograph on the development of in vitro fertilisation ivf includes two entirely new chapters reflecting on the relevance of the book s findings in the context of the past two decades and providing a state of the art review of the field today over the past 25 years both the assisted conception industry and the academic field of reproductive studies have grown enormously ivf in particular is belatedly becoming recognised as one of the most influential technologies of the twentieth and twenty first centuries with a far reaching set of implications that have to date been underestimated understudied and under reported this pioneering text was the first to explore the emergence of commercial ivf in the united kingdom where the technique was originally developed during the 1980s the british parliament devised a unique system of comprehensive national regulation of assisted reproduction amidst fractious public and media debate over ivf and embryo research franklin chronicles these developments and explores their significance in relation to classic anthropological debates about the meanings of kinship gender and the biological facts of parenthood drawing on extensive personal interviews with women and couples undergoing ivf as well as ethnographic fieldword in early ivf clinics the book explores the unique demands of the ivf technique in richly detailed chapters it documents the topsy turvy world of ivf and how the experience of undergoing ivf changes its users in ways they had not anticipated franklin argues that such experiences reveal a crucial feature of translational biomedical procedures more widely namely that these are hope technologies that paradoxically generate new uncertainties and risks in the very space of their supposed resolution the final chapter closely engages with the hope technology concept as well as the idea of having to try and uses these frames to link contemporary reproductive studies to core sociological and anthropological arguments about economy society and technology in the context of rapid fertility decline and huge growth in the fertility industry this volume is even more relevant today than when it was first published at the dawn of what franklin calls the era of ifertility embodied progress is an essential read for all social science academics and students with an interested in the burgeoning new field of reproductive studies it is also a valuable resource for practitioners working in the fields of reproductive health biomedicine and policy

this major book known as the bourn hall textbook evolved from teaching courses held at this prestigious clinic one of the birthplaces of ivf and clinical reproductive medicine the content is comprehensive covering assessment of the infertile couple and both laboratory and clinical aspects of assisted reproductive technologies the emphasis throughout is on the practical management of patients undergoing assisted conception treatment the third edition is a complete update of the field including expanded sections on newer technologies such as gift and icsi the book is authored largely by current or previous members of the bourne hall staff with additional material from leading international authorities the bourn hall procedures protocols and information sheets previously published as an appendix are now included on cd rom for ease of adaptation for local use

this is the first transnational history of ivf and assisted reproduction it is a key text for scholars and students in social science history science and technology studies sts cultural studies and gender and sexuality studies and a resource for journalists policymakers and anyone interested in assisted reproduction ivf was seen as revolutionary in 1978 when the first two ivf babies were born in the uk and india assisted reproduction has now contributed to the birth of around ten million people the book traces the work of ivf teams as they developed new techniques and laid the foundations of a multi billion dollar industry it analyses the changing definitions and experience of infertility the markets for eggs and children through surrogacy cross border reproductive treatment and the impact of regulation using interviews with leading ivf figures archives media reports and the latest science it is a vital addition to the field of reproduction studies this pathbreaking account of the global forces behind the rapid rise of the fertility industry is the first to offer such a truly comprehensive overview of this hugely important topic sarah franklin chair of sociology university of cambridge in this compelling overview of one of the most significant technological and social interventions ever developed the cultural and scientific imaginaries of assisted reproduction meet the obdurate histories of laboratory experiments biological materials and personal quests it is an indispensable read for anyone interested in ivf and assisted reproduction andrea whittaker professor of anthropology monash university

helping ivf laboratories and clinics to maintain the highest success rates possible this is essential reading for every ivf laboratory

contains 465 alphabetically arranged entries that provide step by step procedures for over two hundred specific surgeries as well as information on diagnostic tests medications and related topics and includes a glossary of terms and other reference material

a fascinating and beautifully illustrated account of trying to conceive in both the past and the present inspired by the author s own experiences conceiving histories brings together history personal memoir and illustration to investigate the culturally hidden experience of trying to conceive in elegant engaging prose isabel davis explores the combination of myth fantasy science and pseudo science that the un reproductive body encounters in pursuit of a viable pregnancy the book chronicles the trying to conceive lifecycle arc from sex education at school through the desire to be a parent into the specifics of trying and struggling to conceive it also looks back at conception throughout history to open a new vista on what we live with today a central argument of davis s is that historical people lived with the unknown

just like we do but were more explicitly able to acknowledge it in an age of assistive reproductive technologies the act of embracing uncertainty seems difficult although the topic of not conceiving is potentially painful this is not a grim book more than grief it is motivated by curiosity wonder compassion and even humor with 108 full color illustrations conceiving histories is also a beautiful material object an intentionally playful antidote and supplement to online search engines the resort of so many embroiled in fertility challenges

an encyclopedia of genetics

pharmacists constantly face ethical choices sometimes dramatic matters of life and death decisions but more often subtle less conspicuous choices that are nonetheless important case studies in pharmacy ethics identifies and discusses the broad range of ethics issues pharmacists confront in practice ranging from situations faced in direct patient care to broader issues this book uses cases to explore topics and the ethical framework within which practitioners make decisions about such issues as assisted suicide conscientious refusal pain management and confidentiality as well as the equitable distribution of drug resources within institutions or managed care organizations and clinical studies on vulnerable populations as the scope of the pharmacist s role expands pharmacists find themselves facing new ethical challenges this third edition accounts for some of the many changes in pharmacy practice and in the delivery of health care since the second edition it includes an entirely new chapter on health insurance and health system planning and a discussion of the impact of the affordable care act and cases that are updated to reflect current pharmacy practice models it serves as a valuable resource regarding topics that are both specific to pharmacy practice and those that involve the health care system more generally

presents over 1000 high quality images of oocytes zygotes and embryos from icsi cases with complete medical history and final outcome

a world list of books in the english language

the most profound dilemma in assisted reproduction to date is the inability to recognize potentially viable embryos before their replacement into the reproductive tract application of increasingly advanced new technology has allowed the field of embryo evaluation to evolve rapidly and dramatically over the past five years human preimplantation emb

this volume provides an up to date review of endocrine biochemical genetic and morphological studies on the uterus and human reproduction topics of increasing interest in endometrial and myometrial research are covered including proliferation and differentiation of endometrial cells vascularization and hemostasis abnormal uterine bleeding contraception and hormonal replacement therapy embryo receptivity implantation early stage pregnancy and normal and abnormal uterine function papers covering the role of uterine receptivity and its possible alterations resulting from induction of ovulation treatments will complete the review new diagnostic and therapeutic tools in infertility are also addressed

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