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Manual of Intrauterine Insemination and Ovulation Induction - Richard P. Dickey
2009-10-08 Intrauterine insemination and ovulation induction is effective first-line treatment for infertility in many straightforward cases and is preferred by many clinicians because they are less invasive than in-vitro fertilization and its variants. This is a comprehensive account of how to set up and run a successful IUI program. The book addresses the practical aspects of treatments that will produce optimum results in terms of pregnancy outcome and safety, as well as the pharmacological and physiological reasons for their use. Chapters on how to prevent complications of ovulation induction such as multiple births and ovarian hyperstimulation syndrome are included, as well as how to diagnose infertility in both sexes. Laboratory procedures for sperm preparation are described in detail. Worldwide resources for obtaining donor sperm and legal issues that surround the management of patients are included. This manual is of interest to reproductive medicine specialists, general practitioners and general obstetrician gynecologists.

Manual of Intrauterine Insemination (IUI), In Vitro Fertilization (IVF), and Intracytoplasmic Sperm Injection (ICSI) - Bansal Kanthi
2011-12-15 This publication will be an invaluable guide to scores of Infertility practitioners, postgraduate students and ART specialists across the world. Manual of Intrauterine Insemination (IUI), In Vitro Fertilization (IVF) and Intracytoplasmic Sperm Injection (ICSI) covers all the aspects of the latest technologies, including the most recent topic of Vitrification. There are numerous photographs which makes the subject appealing as well as easy to understand. Each topic has been elaborated in depth so as to impart profound knowledge to readers. Several of them have written to me about the clarity of.

2013-06-30 Intrauterine Insemination (IUI) is a form of assisted conception. This concise manual is an up-to-date review of the technique of IUI, highlighting practical issues including patient assessment, basic science, effective use of the technique, and the set up and management of an efficient IUI unit. Quality control is discussed extensively. Written by highly experienced specialists from Europe and Asia, this useful text is supported by nearly 60 full colour images and illustrations, and a comprehensive bibliography. Key points Concise guide to intrauterine insemination (IUI) Highlights practical, day to day issues and emphasises quality control Authored by specialists from Europe and Asia Includes nearly 60 images and illustrations, and a comprehensive bibliography.

Manual of Intrauterine Insemination (IUI), In Vitro Fertilization (IVF), and Intracytoplasmic Sperm Injection (ICSI) - Bansal Kanthi
2011-03-14 This publication will be an invaluable guide to scores of Infertility practitioners, postgraduate students and ART specialists across the world. Manual of Intrauterine Insemination (IUI), In Vitro Fertilization (IVF) and Intracytoplasmic Sperm Injection (ICSI)
Intrauterine Insemination (IUI), In Vitro Fertilization (IVF) and Intracytoplasmic Sperm Injection (ICSI) covers all the aspects of the latest technologies, including the most recent topic of Vitrification. There are numerous photographs which makes the subject appealing as well as easy to understand. Each topic has been elaborated in depth so as to impart profound knowledge to readers. Several of them have written to me about the clarity of thought and simplicity of language that have become a hallmark of Kanthi Bansal’s style of writing. Infertility management has taken a new turn in this era. With the advent of assisted reproduction techniques (ART), there is a larger area of education that is vacant. This book depicts its simple representation of the advanced techniques. The subject was covered in-depth, keeping the length of the book minimal, to facilitate quick and complete reading at one stretch. Manual of Intrauterine Insemination (IUI), In Vitro Fertilization (IVF) and Intracytoplasmic Sperm Injection (ICSI) aims at simplifying the clinical and laboratory aspects of advanced techniques of intrauterine insemination (IUI), in vitro fertilization and intracytoplasmic sperm injection (ICSI). The manual will be beneficial to the clinicians already practicing ART, for those who want to set-up new units as well as those who are interested in knowing about them. The book is structured in a simple manner including case studies and is expected to be more practical and interesting.

A Handbook of Intrauterine Insemination-Godwin I. Meniru 1997-07-31 A practical introduction to one of the first-line approaches to overcome infertility.

A Handbook of Intrauterine Insemination-Godwin I. Meniru 1997-07-31 A practical introduction to one of the first-line approaches to overcome infertility.

Manual on Assisted Reproduction-Thomas Rabe 2012-12-06 Our knowledge of reproductive medicine has expanded rapidly since the birth of Louise Brown, the first baby to be conceived by in vitro fertilization, which was performed by Professors Steptoe and Edwards in Bourn Hall, England, in 1978. Hardly a year goes by without the development of a new or the modification of an existing method of assisted reproduction.

Within a relatively short period, in vitro fertilization has been introduced into the treatment of female infertility. Intracytoplasmic sperm injection has also created new opportunities for the treatment of male infertility. This manual takes stock of the techniques of assisted reproduction that are available today. Competent authors from various centers present, in a concise way, their tried-and-tested procedures, so that the latter can be readily implemented. Due to different legal regulations, the scope of assisted reproduction is much more limited in Germany than in many other countries. For example, whereas only three embryos may be conceived and transferred in Germany, such restrictions do not exist in several other European countries and the United States. Further more, heterologous fertilization, oocyte donation, and surrogate motherhood are banned in Germany. We are glad to have been able to recruit many international experts to present the various fields of assisted reproduction from their perspective. We hope this book will help to establish the different therapies and achieve a wide distribution.

Junaelo Institute Infertility Manual-Godwin I Meniru 2004-11 "Junaelo Institute Infertility Manual" provides comprehensive infertility information in an easily understood format. It describes the causes of infertility and how they are managed. Couples who have difficulty conceiving will learn how to decide on when to see a physician and what to expect from infertility investigations and treatments. "Junaelo Institute Infertility Manual" helps everyone become more informed partners in the process that is aimed at helping them become pregnant. Dr. Godwin Meniru is an Assistant Professor of Obstetrics and Gynecology and the Medical Director of Junaelo Institute of Reproductive Medicine. His other three books, "A Handbook of Intrauterine Insemination" (ISBN 0 521 58676 3), "Cambridge Guide to Infertility Management and Assisted Reproduction" (ISBN 0 521 01071 3), and "Prevention of Infertility and Complications in Women" (Soft Cover ISBN 0 595 25722 4; Hard Cover ISBN 0 595 65282 4), have received critical acclaim. Dr. Meniru has authored or co-authored more than 120 scientific papers, abstracts and book chapters. Also, visit the Institute’s web site at www.JunaeloReproductiveMedicine.com for additional infertility resources.
The Infertility Manual-Kamini A Rao
2018-04-30 The new edition of this infertility manual has been fully revised to provide clinicians with the latest advances in the diagnosis and management of infertility. Divided into seven sections, the book provides step by step guidance on each stage of the process, from initial examination and identifying the causes of infertility in both females and males, to ovarian stimulation and assisted reproduction techniques. The final section is dedicated to laboratory management covering topics such as follicular fluid screening and oocyte assessment, culture systems, and cryopreservation. The fourth edition includes new chapters on molecular mechanisms such as endometrial receptivity, and implantation; and current trends such as the embryoscope and assisted hatching. The comprehensive text is further enhanced by case studies, clinical photographs, diagrams, flowcharts and tables. Key points Fully revised, new edition providing latest advances in diagnosis and management of infertility Fourth edition features new chapters on molecular mechanisms and current trends Highly illustrated with clinical images, flowcharts and tables Previous edition (9788184486179) published in 2009


Practical Guide to Intrauterine Insemination (IUI)-Chaitanya Nagori 2021-03-31 Intrauterine insemination (IUI), also known as artificial insemination, is a fertility treatment that uses a catheter to place washed sperm directly into the uterus. Its aim is to increase the number of sperm reaching the fallopian tubes and subsequently increase the chances of fertilisation (American Pregnancy Association). This book is a step-by-step guide to intrauterine insemination (IUI). Divided into 12 sections, the text begins with detail on counselling, diagnostic work up, and indications of IUI. The following chapters cover ultrasound monitoring of an ART cycle, stimulation protocol, triggering ovulation, and when and how to administer IUI. The book concludes with discussion on complications of IUI, factors affecting success, and sperm preparation. Authored by recognised experts in the field, the text is further enhanced by colour photographs, illustrations and flowcharts. Key points Step-by-step guide to intrauterine insemination (IUI) Covers the complete ART cycle, from initial counselling and work up, to monitoring and procedures, to success factors and complications Highly illustrated with photographs, diagrams and flowcharts Recognised, expert author team

Intra-Uterine Insemination-Ben Cohlen
2013-12-20 Intra-uterine insemination (IUI) is a widely used fertility treatment for couples with unexplained and male subfertility. Although it is less invasive and less expensive than other treatment options such as in vitro fertilization, several factors affect its outcome. In addition, IUI remains controversial due to concerns about some of the possible aspects of treatment, including side-effects such multiple pregnancies. This comprehensive evidence-based book from an international IUI expert team explores all of these topics and provides clear guidelines for daily practice.

Andrological Evaluation of Male Infertility-Ashok Agarwal 2016-07-26 This state-of-the-art laboratory manual includes 20 clinical protocols used daily for the investigation of the infertile male, presented with easy to understand, step-by-step methodology. The protocols are arranged from routine to advanced laboratory procedures common to clinical practice, including computer-assisted semen analysis, sperm preparation for IUI by density gradient and swim-up, sperm cryopreservation, and sperm DNA fragmentation test by TUNEL method, among others. The methodology in each protocol follows best practice guidelines made clearer by professionally hand-drawn illustrations covering most of the important steps and equipment. The authors, hailing from the world-renowned Andrology Center at Cleveland Clinic, have over 50 years of combined first-hand experience in managing very busy diagnostic and research facilities in male infertility and andrology. The book will be an indispensable resource for thousands of laboratory technologists, clinicians and reproductive professionals (andrologists, embryologist, etc.) engaged in the diagnosis and management of infertile men around the world.
Infertility in the Male-Larry I. Lipshultz
2009-09-24 The new edition of this canonical text on male reproductive medicine will cement the book's market-leading position. Practitioners across many specialties - including urologists, gynecologists, reproductive endocrinologists, medical endocrinologists and many in internal medicine and family practice - will see men with suboptimal fertility and reproductive problems. The book provides an excellent source of timely, well-considered information for those training in this young and rapidly evolving field. While several recent books provide targeted 'cookbooks' for those in a male reproductive laboratory, or quick reference for practising generalists, the modern, comprehensive reference providing both a background for male reproductive medicine as well as clinical practice information based on that foundation has been lacking until now. The book has been extensively revised with a particular focus on modern molecular medicine. Appropriate therapeutic interventions are highlighted throughout.

Manual of Sperm Function Testing in Human Assisted Reproduction-Ashok Agarwal
2021-04-15 Selecting good-quality sperm for use in in-vitro fertilization is a key step in assisted reproduction. For many years purely morphological attributes have been used to assess suitability, but increasingly biochemical and molecular biological techniques are now identifying sperm with the best chances of producing viable and healthy embryos. Focusing on modern sperm function testing, this manual provides technical details of commonly used tests and gives an overview of the laboratory techniques used to evaluate sperm samples. Covering a variety of testing methods in detail, from manual and computer-assisted semen analysis to zona pellucida binding assays, and tests assessing sperm DNA damage such as the TUNEL assay. Describing the underlying science, practical advice for performing the tests is given, including tips for optimizing outcomes and trouble-shooting. This is an essential guide for reproductive medicine specialists, clinical andrologists, urologists and gynecologists working with sub-fertile men.

Manual of Sperm Retrieval and Preparation in Human Assisted Reproduction-Ashok Agarwal
2021-06-10 A complete guide to sperm retrieval methods performed for men with azoospermia, aimed at andrologists and male fertility specialists.

FOGSI Focus: Use of Adjuvants in Infertility-Nandita Palshetkar 2020-12-31 Fertility specialists are constantly looking for ways to improve the chances of pregnancy through IVF or other assisted reproductive techniques (ART). ‘Adjuvant’ or ‘add-on’ therapies are procedures or medications which are added to IVF treatment to try and improve the chances of success. This book is a practical guide to the use of adjuvants in infertility for clinicians and trainees. Divided into ten sections, the text begins with an overview of the rational for additional therapy in IVF. The next section examines different types of adjuvant therapy and their pros and cons. Topics include medical nutrition therapy, neutraceuticals, antioxidants, micronutrients, and reactive oxygen species. Each of the following sections covers adjuvant use for improving a specific fertility issue – PCOS, ovarian reserve, uterine blood flow, endometrial receptivity, embryo implantation, and male subfertility. The final sections discuss the impact of thyroid autoimmunity on the outcome of ART, and the use of surgery as an adjuvant in infertility. Key points Practical guide to the use of adjuvants in infertility Covers various types of adjuvant and their use for different fertility issues Includes discussion on surgery as an adjuvant Highly illustrated with clinical photographs and diagrams

Textbook of Assisted Reproduction-Gautam Nand Allahbadia 2020-08-05 Groundbreaking, comprehensive, and developed by a panel of leading international experts in the field, Textbook of Assisted Reproduction provides a multidisciplinary overview of the diagnosis and management of infertility, which affects 15% of all couples around the world. The book aims to cover all aspects of assisted reproduction. Particular attention is given to topics such as the assessment of infertile couples; assisted reproductive techniques (ARTs) including ovulation induction, intra uterine insemination (IUI), in vitro fertilization (IVF) and intracytoplasmic sperm injection (clinical and laboratory aspects); reproductive genetics; and obstetric and perinatal outcomes.
The Boston IVF Handbook of Infertility- Steven Bayer 2017-09-01 Based on the gold standard procedures and protocols developed at Boston IVF, this new edition of a bestselling text continues to provide a structured approach to treating the infertile couple that can be of benefit to the gynecologist, reproductive endocrinologist, and reproductive medicine nurse alike. Both clinical and laboratory techniques are included, with material on preconception care. New to this edition are chapters on fertility care for the LGBT community, endometriosis, elective egg freezing, and effective nursing.

Intracytoplasmic Sperm Injection (ICSI): Clinical Considerations, Outcomes and Potential Health Effects- Murid Javed 2021 This book provides comprehensive information on Intracytoplasmic Sperm Injection (ICSI), its clinical considerations, outcomes and potential health effects. Male and female infertility is increasing all over the world. The basic techniques of assisted reproduction like ovulation control and intrauterine insemination are ineffective if the sperm quality or number is inadequate. The advanced fertilization techniques are in-vitro fertilization (IVF) and ICSI. In 15% cases of infertility, IVF results in total failed fertilization; therefore, ICSI must be used. Some clinics exclusively use ICSI for all infertility patients due to its reliability of fertilization outcome or to avoid total fertilization failure. ICSI was first used in humans in 1992. Since then, tremendous advances have been made in assisted reproductive technology. ICSI has enabled even those men who have rare sperm in their testes to father a biological child. If no sperm are observed in the ejaculate, in almost all cases, they can be recovered from the testicles. Such retrieved sperm can only be used by ICSI. Therefore, its understanding is essential not only for medical staff but also for patients suffering from infertility. This book is highly recommended for patients suffering from infertility or currently undergoing infertility treatment. It explains the factors affecting ICSI success rate. In ICSI, the embryologist picks a sperm for injection to fertilize oocytes whereas in intrauterine insemination and IVF, one sperm penetrates naturally. This manual selection of sperm has raised concerns especially in those patients suffering from severe male factor infertility. The nature of sperm defects varies and could be congenital, acquired or genetic. Children born through ICSI are, therefore, considered at higher risk of carrying the defect. Many investigations have been carried out to compare incidence of the defects between children conceived naturally and conceived through ICSI. Additional technologies have been developed to ensure the birth of a normal child. These include pre-implantation genetic testing and non-invasive prenatal testing. This book addresses these concerns and explains the health effects on children born through ICSI. This book is very useful for medical students, andrologists, embryologists, nurses or anyone else interested in learning basic or advanced knowledge of assisted reproductive technology, especially ICSI. The authors of the chapters of this book are highly experienced and from different parts of the world. Many of them are directing very busy ART laboratories at leading infertility clinics in the United States of America, Canada and the Middle East.

Ovarian Stimulation Protocols- Gautam N. Allabhadia 2015-09-15 Ovarian Stimulation Protocols is a concise handbook that aims to deliver everything the reader needs to know for performing a risk-free ovarian stimulation for assisted reproductive technique (ART) and get a favorable outcome. Review of crucial issues such as the significance of monitoring ovarian stimulation, advantages and disadvantages of ovarian hyperstimulation versus minimal stimulation, and the use of various drug regimens and stimulation protocols for various patient subsets, will help clinicians in selecting the better or more appropriate protocols. The contributors of this book have leading scientific and clinical backgrounds, with years of experience to support their views. The book serves as a handy practical guide, targeting and settling clinical dilemma that ART practitioners commonly experience in their clinics, while providing a window to the newer developments.

Find the Cause and Treatment for Your Infertility- M D Francis Polansky 2011-09 This medical manual assumes the reader has no knowledge of reproductive medicine. It will show you how to eliminate unnecessary tests and inefficient treatments by following a unique step-by-step formula of fertility investigation that has a single goal: a baby for you as quickly and economically as possible.
CURRENT Diagnosis & Treatment Obstetrics & Gynecology, Tenth Edition-Alan DeCherney 2006-09-22 The leading single-source book in women's health care, reproductive medicine, and pelvic surgery A Doody's Core Title! Thorough review of all of obstetrics & gynecology Covers more than 1,000 diseases and disorders The latest screening and management guidelines More than 450 clear clinical photos and illustrations in two colors Formatted to facilitate quick retrieval of information Concise, current coverage of treatments for common gynecologic infections Extensively revised throughout Covers underlying pathophysiology when relevant to diagnosis and treatment Helpful references to classic and important new sources

Practical Manual of In Vitro Fertilization-Zsolt Peter Nagy 2012-04-23 The Practical Manual of In Vitro Fertilization: Advanced Methods and Novel Devices is a unique, accessible title that provides a complete review of the most well-established and current diagnostic and treatment techniques comprising in vitro fertilization. Throughout the chapters, a uniform structure is employed, including a brief abstract, a keyword glossary, a step-by-step protocol of the laboratory procedures, several pages of expert commentary, key issues of clinical concern, and a list of references. The result is a readily accessible, high quality reference guide for reproductive endocrinologists, urologists, embryologists, biologists and research scientists. The Manual also offers an excellent description of novel procedures that will likely be employed in the near future. An indispensable resource for physicians and basic scientists, the Practical Manual of In Vitro Fertilization: Advanced Methods and Novel Devices is an invaluable reference and addition to the literature.

Sperm Collection and Processing Methods-Rajasingam S. Jeyendran 2003-02-13 Discusses sperm collection procedures, outlines processing methods, and details various sperm enhancement technologies.

A Practical Guide to Basic Laboratory Andrology-Lars Björndahl 2010-04-01 This practical, extensively illustrated handbook covers the procedures that are undertaken in andrology and ART laboratories to analyse and assess male-factor infertility, and to prepare spermatozoa for use in assisted conception therapy. The content is presented as brief, authoritative overviews of the relevant biological background for each area, plus detailed, step-by-step descriptions of the relevant analytical procedures. Each technical section includes pertinent quality control considerations, as well as the optimum presentation of results. In addition to the comprehensive 'basic' semen analysis, incorporating careful analysis of sperm morphology, the handbook provides established techniques for the use of computer-aided sperm analysis and sperm functional assessment. Throughout the handbook the interpretation of laboratory results in the clinical context is highlighted, and safe laboratory practice is emphasized. It is an invaluable resource to all scientists and technicians who perform diagnostic testing for male-factor infertility.

Manual of Female Urodynamics-Ranee Thakar 2020-06-25 Discover the essential knowledge gynaecologists and continence nurses need to know to perform high-quality urodynamic investigations.

A Clinician's Guide to Sperm DNA and Chromatin Damage-Armand Zini 2018-03-05 This comprehensive, up-to-date text, which brings together the key practical elements of the rapidly evolving field of sperm DNA and chromatin abnormalities, is divided thematically into five main sections. Part I discusses human sperm chromatin structure and nuclear architecture, while part II presents laboratory evaluation of sperm DNA damage, including SCSA, SCD, TUNEL and Comet assays, and cytochemical tests. Biological and clinical factors in the etiology of sperm DNA damage are discussed in part III, including oxidative stress, abortive apoptosis, cancer, and environmental and lifestyle factors. Part IV presents clinical studies on the utility of sperm DNA damage tests, both with natural and ART-assisted pregnancies, and debates the clinical utility of such tests. Finally, part V discusses current treatment options, such as antioxidant therapy, varicocelectomy, advanced sperm processing techniques and the use of testicular sperm. We are now beginning to better understand the unique organization of the sperm chromatin, as well as the nature and etiology of sperm DNA damage. Written and edited by worldwide experts, this guide is the gold standard in the field.
experts in andrology, A Clinician's Guide to Sperm DNA and Chromatin Damage is an excellent resource for reproductive medicine and REI specialists, urologists, reproductive biologists and any professional working with the infertile male.

Mayo Clinic Guide to Fertility and Conception-Jani R. Jensen 2018-06-24 A helpful medical reference on conceiving and maintaining pregnancy from the Mayo Clinic, #1 on US News & World Report’s 2020-2021 Best Hospitals Honor Roll. Deciding to start or build a family is a life-changing decision. Once the decision is made, there’s a whole new set of unknowns—including whether the journey will be easy or difficult. How can you increase your chances of becoming pregnant? What health and lifestyle changes should you make to have a healthy pregnancy? And if you’re struggling to become pregnant, what medical treatments are available? Where can you get emotional support if you can’t get pregnant or if you’ve had a miscarriage? And when is enough? The fertility experts at Mayo Clinic offer answers to these questions and more. Through the pages of this book, they’ll guide you through the process of trying for—and achieving—a successful pregnancy. You’ll also hear throughout the book from couples and individuals who have struggled to have a family. For a variety of reasons—health conditions, unexplained infertility, or life circumstances—getting pregnant or deciding to have a family was difficult for them. These personal stories are to let you know that you’re not alone in your journey, and to give you hope that with time and patience, pregnancy is often possible. From lifestyle and dietary recommendations to understanding your ovulatory cycle to medications and procedures that can improve fertility, this book is a comprehensive source of answers from “one of the most reliable, respected health resources that Americans have” (Publishers Weekly).

Fertility-National Collaborating Centre for Women's and Children's Health (Great Britain) 2004

PROGNO 1.0: Prognostic Models in Fertility Practice-M.A.H. Wiegerink 1996-10-15 This is clinically sophisticated, easy-to-use medical software that helps counseling physicians reliably predict a subfertile couple’s chances of achieving spontaneous conception or live birth with the aid of treatments using clomiphene, intrauterine insemination (IUI), IUI combined with controlled ovarian hyperstimulation (COH), in vitro fertilization (IVF), or IVF with intracytoplasmic sperm injection (IVF-ICSI). The program uses a combination of validated prognostic models and reference-based calculations to produce exceptionally reliable estimations of chances for conception, based upon simple input of a limited set of data for the couple. PROGNO is the only software program that makes these exceptionally complex calculations available for direct, easy application to clinical practice. Buyers receive a floppy disk containing the Windows®-based software, a Handbook, and a User's Manual.

Principles & Practice of Assisted Reproductive Technology (3 Vols)-Kamini Rao 2013-09-30 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

Intrauterine Insemination-Gautam Allahbadia 2005-03-03 With approximately 20% of couples experiencing difficulty in conceiving, a major proportion of them may require assistance in managing their infertility. Intrauterine insemination (IUI) is a very effective, inexpensive, first-line treatment in properly selected cases and is being increasingly used by clinics around the world, as it is less invasive
than other techniques, such as GIFT and ZIFT, and can be utilized outside sophisticated assisted conception units. Presenting an up-to-date review of IUI, this genuinely comprehensive text has been written by a top-class team of authors, and contains clinical assessment of couples and the use of IUI techniques, the basic information needed to set up and run an efficient IUI unit, as well as an in-depth review of the underlying science involved.

Textbook of Clinical Embryology - Kevin Coward 2013-10-31 The success of Assisted Reproductive Technology is critically dependent upon the use of well optimized protocols, based upon sound scientific reasoning, empirical observations and evidence of clinical efficacy. Recently, the treatment of infertility has experienced a revolution, with the routine adoption of increasingly specialized molecular biological techniques and advanced methods for the manipulation of gametes and embryos. This textbook - inspired by the postgraduate degree program at the University of Oxford - guides students through the multidisciplinary syllabus essential to ART laboratory practice, from basic culture techniques and micromanipulation to laboratory management and quality assurance, and from endocrinology to molecular biology and research methods. Written for all levels of IVF practitioners, reproductive biologists and technologists involved in human reproductive science, it can be used as a reference manual for all IVF labs and as a textbook by undergraduates, advanced students, scientists and professionals involved in gamete, embryo or stem cell biology.

Practical Guide in Infertility - Gita Ganguly Mukherjee 2018-04-30 Part of a new series on reproductive medicine, this book is a complete guide to the diagnosis and management of infertility. Beginning with an overview of infertility in both women and men, the next chapters discuss assessment and ultrasound. The following chapters cover numerous causes of infertility, and their diagnosis and treatment, examining both medical and lifestyle issues. The book presents the latest advances in the field and each chapter includes key points and references for further reading. Clinical photographs, diagrams and tables further enhance the comprehensive text. Other titles in the series include: Practical Guide in Reproductive Surgery, Practical Guide in Assisted Reproductive Technology and Practical Guide in Andrology and Embryology. Key points Comprehensive guide to diagnosis and management of infertility Part of new series on reproductive medicine Covers numerous causes of infertility, and their diagnosis and treatment Chapters include key points and detailed references for further reading

Assisted Reproductive Technology - Charles P. Kindregan 2006 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.

Standard Operational Procedures in Reproductive Medicine - Botros Rizk 2017-02-24 Compiled by two experts in Reproductive Medicine, with contributions from internationally respected specialists, this innovative text lets the whole team in Reproductive Medicine get literally on the same page. Taking a cook-book approach to the operational procedures in the laboratory and in the clinic, it details what needs to be prepared in advance, what needs to be prepared earlier the same day, and what steps to take before, during, and after the procedure itself. This is an essential tool for ensuring all staff - whether experienced or starters - can be confident in their tasks and are in touch with what is expected of them and their colleagues.

Unexplained Infertility - Glenn L. Schattman 2015-05-12 Written and edited by leading, internationally recognized clinicians and scientists in reproductive medicine and related fields, this unique text is a practical and comprehensive review of the clinical and scientific significance of unexplained male and female infertility and its management. The book is divided into thematic sections to ensure the most useful presentation of topics, opening with definitions and epidemiology of unexplained infertility, including discussion of the WHO's
cutoff values for human semen characteristics and its ramifications. Sections covering male and female reproductive pathophysiology follow respectively, covering biological, genetic and environmental causative factors, with a subsequent section on evaluative techniques for male and female patients. Expectant, medical and surgical treatment strategies comprise the fifth section of the book, where active interventions and outcomes of each treatment modality are carefully considered. The final section discusses assisted reproductive techniques to manage unexplained infertility, such as intrauterine insemination and in vitro fertilization, as well as future perspectives. Thoughtful and enlightening, Unexplained Infertility: Pathophysiology, Evaluation and Treatment will be an invaluable resource for all clinicians and scientists working in the fields of reproductive medicine and infertility.

WHO Manual for the Standardized Investigation and Diagnosis of the Infertile Male-Patrick J. Rowe 2000-03-28 A structured approach to the most-effective clinical management of all forms of male infertility.

Principles and Practice of Assisted Reproductive Technology-Kamini A Rao

2018-09-30 The second edition of this three-volume set brings practitioners and trainees fully up to date with the latest advances in Assisted Reproductive Technology (ART). 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, intrauterine insemination, and ART techniques, to third party reproduction, complications, outcomes and future clinical applications. The second volume is dedicated to laboratory aspects of In Vitro Fertilisation (IVF) andrology, and ethical and legal issues, whilst Volume Three is an atlas of human embryology. This practical manual is an invaluable reference for clinicians specialising in infertility management and includes more than 1300 full colour photographs, diagrams and tables to enhance understanding. Key points Fully revised, second edition of three-volume set presenting latest advances in ART Each volume dedicated to specific topic – Infertility, IVF & Andrology, and Atlas of Embryology Includes more than 1300 clinical photographs, diagrams and tables Previous edition (9789350907368) published in 2013