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Andrological Evaluation of Male Infertility
A Laboratory Guide
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[...]
More on www.springer.com/978-3-319-26795-1

Obstetric Emergencies
A Practical Guide
This book will serve as a pocket guide, offering rapid advice on appropriate emergency care for a wide range of obstetric situations, including acute fetal hypoxia, uterine rupture, shoulder dystocia, eclampsia, amniotic fluid embolism, pulmonary thromboembolism, retention of the aftercoming head, major postpartum hemorrhage, and uterine inversion. For each emergency, the definition, diagnosis, and recommended management strategy are reviewed from a pan-European perspective. Regular review and training in obstetric emergencies is the only effective way to develop and maintain clinical competence in these rare and life-threatening situations, thus improving their management and the[...]
More on www.springer.com/978-3-319-41654-0

Hysterectomy
A Practical Guide
This book initiates the descriptions of the practical performance of different hysterectomies with conventional and robotically assisted laparoscopy, laparotomy and vaginal surgery. Laparoscopic hysterectomy has been out as an additional technique for hysterectomies for the last couple of decades. As the necessary light, augmentation and advanced skill has only been introduced into this already 200 year old surgical procedure within the last few decades by laparoscopy, the editors aim to look at the laparoscopic procedures followed by the traditional techniques of hysterectomy with laparotomy and vaginal surgery.
More on www.springer.com/978-3-319-22496-1

Assisted Reproductive Technologies and Infectious Diseases
A Guide to Management
This concise and practical book is the first of its kind to examine the use of assisted reproductive technologies (ART) in relation to blood-borne infectious diseases: human immunodeficiency virus (HIV), hepatitis B (HBV) and hepatitis C (HCV). The book opens with a discussion of the impact of these viruses on male and female fertility, followed by specific chapters of each of them, including ART with HIV and HCV serodiscordant couples (where either the male or female is positive) and the detection and impact of HBV and HCV in human gametes and embryos. An important character on laboratory safety when performing ART with blood-borne viruses follows, and the book concludes with a[...]
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Clinical Research Involving Pregnant Women
This book discusses ‘how’ to respectfully and responsibly include pregnant women in clinical research. In sharp contrast, the existing literature predominately focuses on the reasons ‘why’ the inclusion of pregnant women in clinical research is necessary – viz., to develop effective treatments for women during pregnancy, to promote fetal safety, to reduce harm to women and fetuses from suboptimal care, and to allow access to the benefits of research participation. This book supports the shift to a new default position, whereby pregnant women are included in clinical research unless researchers argue convincingly for their exclusion. This shift raises many as yet unexplored ethical and[...]
Tobacco Cessation and Substance Abuse Treatment in Women’s Healthcare
A Clinical Guide

This book is a comprehensive guide to the screening, management, and treatment of female patients with addictions. There are a range of clinical issues specific to women with substance use disorders and substance abuse during pregnancy is known to have deleterious effects on neonates. This book focuses on the effective care of the addicted patient and discusses novel outpatient therapy, therapeutic substitution, abstinence therapy, and the importance of counseling in the delivery of care. Topics include the physiology of nicotine, opiates, EtOH, and other substances of abuse; the role of receptors and neurotransmitters in addiction; the effects of tobacco and substance abuse on[...]

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Softcover
2016. VII, 161 p. 1 illus. in color.
► 85,59 €
ISBN 978-3-319-26708-1

Gewöhnlich versandfertig in 3-5 Werktagen.

Forthcoming
E. Costantini, D. Villari, M.T. Filocamo (Eds.)

Female Sexual Function and Dysfunction

This book discusses all aspects of sexuality in women and in particular explores sexual function and dysfunction in a variety of settings, including the different stages of life and a wide range of major diseases and local conditions. The aim is to refocus attention on the needs and sexual realities of women, providing a fresh point of view that will assist gynecologists, sexual medicine physicians, and urologists in delivering high-quality care and help women themselves to understand and address sexual problems relating to desire, arousal, orgasm, and sexual pain. Psychological aspects of female sexuality and the impacts of the aging process, pregnancy, and childbirth are carefully[...]

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Hardcover
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ISBN 978-3-319-41714-1

Erscheinungstermin: October 10, 2016

Organization and Management of IVF Units
A Practical Guide for the Clinician

Bringing together the latest information on the organization, management and quality of in-vitro fertilization (IVF) units, this is the first true field guide for the clinician working in assisted reproductive technologies (ART). Divided thematically into four main sections, part one discussed the establishment and organization of the IVF unit, including location, design and construction, practical considerations for batching IVF cycles, and regulations and risk management. Part two, the largest section, covers the many aspects of overall quality management and its implementation – staff and patient management, cryobank and PGD/PGS management, and data management – as well as[...]

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ISBN 978-3-319-29371-4

Erscheinungstermin: September 7, 2016

Forthcoming
K. Gunasekaran, N. Pandiyan (Eds.)

Male Infertility
A Clinical Approach

The book aims to bring into focus the current understanding of male reproduction and the pathological basis of failure to reproduce in men. Infertility in men is a common disorder. However, attempts at scientific study of male infertility are of very recent origin. Many questions about the physiology and pathophysiology of male reproduction are still not clear. The chapters are written by authorities in the field with great clinical experience. The primary focus would be on clinical perspective; however emphasis would also be placed on basic research and molecular biology.

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Erscheinungstermin: September 14, 2016

Managing Ultrasonography in Human Reproduction
A Practical Handbook

This book is a practical handbook to the performance of ultrasonography in women of reproductive age for the diagnosis and treatment of infertility. The coverage includes the use of ultrasonography for evaluation of the various disorders associated with infertility, endometriosis, anovulatory disorders, tubal disease, and adenomyosis; its role in assisted reproductive techniques; and its application to assess the viability and early complications of pregnancy. The more recent advances in the field are all addressed, including assessment of ovarian reserve, new classifications of uterine malformations using three-dimensional ultrasonography, and novel ultrasonographic modalities[...]

More on www.springer.com/978-3-319-41035-7

Forthcoming
K. Jayaprakasan, L. Kean (Eds.)

Clinical Management of Pregancies following ART

This book provides a detailed overview of the possible risks associated with ART pregnancies and their clinical management. While most pregnancies following Assisted Reproduction Treatment (ART) will progress normally and without any complications to mother or baby, some women who conceive after ART as well as their babies are at increased risk of pregnancy complications. There are some schools of thoughts propos-
ing pregnancies following IVF should be regarded as being “high risk” and requires special attention. There are various reasons why ART pregnancies may be at higher risk – Female and male age factor, increased chance of multiple pregnancies, underlying cause of subfertility[...]

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► 96,29 €
ISBN 978-3-319-42856-7
Erscheinungstermin: October 4, 2016

Uterine Endometrial Function

This book focuses on uterine endometrial function and receptivity from multiple perspectives. The chapters cover a variety of topics including the role of estrogen and progesterone, animal models, parameters for assessing endometrial receptivity, the mechanism of angiogenesis, epigenetic regulation, and stem/progenitor cells. Despite nearly 35 years of experience with in vitro fertilization, the rate of successful implantations remains low. Abnormal endometrial receptivity has been proposed as one of the factors contributing to reduced reproductive potential in women, but our understanding of it is limited. Endometrial receptivity results from an orchestrated interplay between the[...]

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Erscheinungstermin: September 18, 2016

Immune Infertility

Impact of Immune Reactions on Human Fertility

This book offers comprehensive coverage of both basic and clinical aspects of immune reactions responsible for infertility. It has four sections focusing on Sperm antigens, Antisperm antibodies (ASAs), Clinical impact of ASAs, and Immune contraception, and include contributions from leading experts in these fields. This new edition of the book offers a comprehensive update that reflects the very significant advances in reproductive immunology that have been achieved over the past five years, especially related to the sperm proteome, sperm-egg binding/fusion proteins, gene knockout studies, and immunoocontraception. Reproductive immunology continues to be a[...]

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Hardcover
2016. XI, 113 p. 26 illus. in color.
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ISBN 978-3-319-40696-1
Erscheinungstermin: September 6, 2016

Puberty

Physiology and Abnormalities

Bringing together the latest knowledge on the growth and development of children and the most important abnormalities of puberty, this comprehensive text presents the current views on the pathogenesis, diagnostic possibilities and therapeutic options of the main deviations from the normal course of puberty (e.g., precocious and delayed puberty). The chain of physical and hormonal changes in the transitional years is carefully followed, including the regulation of the hypothalamic pulse generator as well as the timing of puberty. Further topics include growth disturbances, adolescent varicocele, adolescent gyneco-

Management and Therapy of Early Pregnancy Complications

First and Second Trimesters

This richly illustrated book draws on recently acquired knowledge to provide the reader with comprehensive, up-to-date information on the full range
of obstetric complications that may be encountered during the first and second trimesters of pregnancy. For all complications, including those potentially involved in malpractice issues, risk factors and clinical presentation are described and detailed guidance is provided on the appropriate treatment. The lucid text is complemented by a wealth of images, diagrams, flow charts, and drawings. The volume has been compiled in collaboration with a large group of gynecologists, obstetricians and internationally renowned scientists to [...] More on www.springer.com/978-3-319-31375-7

The Life Cycle of the Corpus Luteum
This book describes the life cycle of a unique endocrine gland that is absolutely essential for the establishment and maintenance of pregnancy in all mammalian species. The corpus luteum is unique because it is formed and destroyed every (non-fertile) reproductive cycle. When fertilization occurs, the corpus luteum is rescued or maintained. The processes that control corpus luteum formation, demise (luteolysis), or maintenance are just beginning to be unraveled in recent years; they involve diverse cell types and mechanisms. Some of these processes resemble tumor development—angiogenesis, for instance—but interestingly enough, this resemblance is only up to a point. The corpus [...] More on www.springer.com/978-3-319-43236-6

Esentials of Menopause Management
A Case-Based Approach
Removing the shroud of complexity that had engulfed the field of menopause research and management for more than a decade, this unique, case-based resource discusses a range of topics relevant to the reproductive health of the aging female. The opening section includes chapters covering the symptomatology, epidemiology and impact of the menopausal burden, and reviews in depth the most current evidence on the efficacy, risks and benefits of pharmacological and alternative therapies. Utilizing vibrant case material, the second section details common symptoms of menopause and an individualized approach to management, such as sleep loss, skeletal fragility, sexual dysfunction, hirsutism [...] More on www.springer.com/978-3-319-42449-1

Role of Folliculo-luteal Function in Human Reproduction
This book is the first to explain fully the crucial role of folliculo-luteal function in recurrent miscarriage, unexplained infertility, preterm birth, intraterine growth retardation, preeclampsia, random chromosomal abnormalities, and age-related reproductive disorders. In addition it describes treatments to avoid these conditions and proposes a novel method, “hormonal wedge resection”, that can successfully cure infertility associated with polycystic ovary syndrome. Importantly, the conclusions drawn in this book are based on the therapeutic results observed in a representative patient population. The method devel-
Cryopreservation will improve the chances of in vitro maturation (IVM), with both basic research and in vitro activation (IVA), in vitro growing (IVG), and in vivo fertilization and transplantation of oocytes, embryos, and ovarian and testicular tissue for fertility preservation. This book is a practical guide to the cryopreservation in Fertility Preservation

N. Suzuki, J. Donnez (Eds.)


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Frontiers in Gynecological Endocrinology
Volume 4: Pediatric and Adolescent Gynecological Endocrinology

This volume provides a comprehensive, up-to-date overview on pediatric and adolescent gynecological endocrinology. It covers a very wide range of topics with a particular focus on disorders of sex differentiation, pubertal maturation, growth disorders, primary and secondary amenorrhea, menstrual disorders in adolescents and young adults, sexuality, contraception, and pregnancy. The authors are international well-known experts who document the latest clinical experience in this continuously evolving field and provide practical guidance on the evaluation and treatment of female pubertal problems. The book is published within the International Society of Gynecological Endocrinology.[…]

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Prenatal Diagnosis of Orofacial Malformations

This book describes how different diagnostic techniques may facilitate the prenatal identification of orofacial malformations. The role of standard two-dimensional ultrasound is documented and explained, but detailed attention is also paid to the use of three-dimensional (3D) ultrasound, including the novel 3D reslicing technique, and to the value of complementary magnetic resonance imaging. The malformations considered include cleft lip, cleft lip and palate, ocular malformations, abnormalities associated with fetal aneuploidy, and tumors. These conditions are depicted in numerous high-quality images accompanied by thorough and informative descriptions of imaging findings. The[…]

More on www.springer.com/978-3-319-32514-9

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Pediatric and Adolescent Oncofertility

Best Practices and Emerging Technologies

Reflecting the increasing interest in fertility management for pediatric and adolescent patients and fulfilling an urgent need to have a comprehensive guide to the management of these individuals, this is the first book of its kind to present a comprehensive discussion of pediatric and adolescent oncofertility. It carefully examines the impact of pediatric cancer and cancer therapy on fertility and present both current and emerging fertility preservation techniques for both males and females, such as cryopreservation. Fertility concerns beyond cancer are also discussed, including disorders of sexual differentiation, gender dysphoria and thalassemia. Practical chapters on pediatrics[…]

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Forthcoming
P.E. Zimmern, E. De (Eds.)

Native Tissue Repair for Incontinence and Prolapse

This book demonstrates knowledge on tissue-based procedures for stress urinary incontinence and other pelvic floor related topics. As the field shifts away from using synthetic material for repair, this work presents a new perspective on native tissue repair from the opinions and research of the authors. Written by a panel of expert authors in the field, this text provides high quality, focused information. With established track records the authors illustrate how to perform the procedure vaginally or through open surgery, and inclusion of live surgeries via online video, makes this an invaluable tool for busy surgeons and specialists interested in pelvic floor reconstruction.

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