Birth, Distress and Disease
Placental-Brain Interactions
Edited by Michael L. Power and Jay Schulkin
Both at American college of Obstetricians and Gynecologists, Washington DC
This volume examines the role of steroids and peptides in the regulation of pregnancy and pregnancy outcome, and their long-term effects including possible influences on adult-onset diseases. During pregnancy the placenta acts as a central regulator and coordinator of maternal and fetal physiology, and the onset of labor, through its production and regulation of steroids and peptides. Perturbations to this regulatory system can result in poor pregnancy outcome, such as preterm birth and low birth weight. These in turn are linked to diseases in later life. Intriguingly, many of these regulatory actions of steroids and peptides also occur in the brain. The induction and suppression of peptides by steroids appears to be key to regulatory function in both brain and placenta. These various interweaving strands, linking basic science with obstetrics, are all reviewed in depth here producing a fascinating account of an important area of materno-fetal medicine.

Contents

2005 290pp Hardback 978 0 521 83148 2 (0 521 83148 20) £60.00

Preterm Labour
Managing Risk in Clinical Practice
Edited by Jane Norman and Ian Greer
Both at University of Glasgow, UK
This is a practical guide to the optimal clinical management of preterm labour, using the best available evidence. Preterm labour remains a challenge today, even with the latest developments summarised here. The editors and authors (mostly practising clinicians) are all actively involved in research into the mechanisms, aetiology, treatment and associated outcomes of preterm labour. The chapters are based on common clinical scenarios and each provides a comprehensive literature review followed by evidence-based recommendations on appropriate management. A summary of the pathophysiology of parturition is provided, and the obstetric scenarios cover management of threatened preterm labour, management of preterm premature ruptured membranes and management of preterm labour with specific complications (such as intrauterine growth restriction). Other chapters include the epidemiology, the prediction and the prevention of preterm labour. Anaesthetic and paediatric issues are explored in depth, and there are chapters on legal and organisational issues around preterm labour.

Features
• Preterm delivery remains a pre-eminent problem in modern obstetrics
• Contributing authors are all actively involved in research into the mechanisms, aetiology, treatment and associated outcomes.
• Also covers epidemiology, prediction and the prevention of preterm delivery

Contents

2005 386pp 13 illustrations Hardback 978 0 521 82186 5 (0 521 82186 X) £70.00
Practical Gynaecological Ultrasound
2nd Edition
Edited by Jane Bates
St James's University Hospital, Leeds
This user-friendly book provides a practical introduction to gynaecological ultrasound. It describes and explains background anatomy and physiology, instrumentation and how to make the best use of equipment. Emphasis is placed on how to maximise image quality, and how to recognise normal and pathological features. The volume also assesses other relevant diagnostic techniques and various management strategies, and evaluates the role of ultrasound as part of patient management. It includes chapters on pathology of the uterus, ovaries and adnexae, paediatric and trauma cases, together with management of infertility and other gynaecological perspectives of patient management. Illustrated throughout with numerous high-quality ultrasound images and line drawing, this is essential reading for practitioners in training, including radiologists, gynaecologists and sonographers.

Features
• Second edition includes up-to-date patient management and scanning techniques
• Lavishly illustrated with excellent images and diagrams
• Expert contributions from leading names in their relevant fields of gynaecological ultrasound and patient management

Contents

Obstetrics, Gynaecology and Women’s Health
Edited by Vivienne O’Connor
University of Queensland, Australia
Gabor Kovacs
Monash University, Victoria, Australia
This is the essential textbook for students of obstetrics and gynaecology as well as women’s health more generally. Thoroughly modern in approach, it covers clinical topics and surgical procedures as well as providing detailed commentary on the contemporary social, psychological and economic issues that affect women’s health. Many authors who are the acknowledged leaders in their respective research field have contributed succinct chapters. In this way both students and health professionals are able to benefit from their expertise in a lively and accessible text. It will be a valuable resource for health professionals, including general practitioners, nurses, physiotherapists and health workers. Specific sections address women’s mental health, genetics, prescribing for women, health promotion, hormones throughout the life cycle, psychological and behavioural issues. The text is fully illustrated with many useful guides, tables, photographs and diagrams.

‘This comprehensive Australian textbook covers a lot more than a standard O & G text … this text is a worthwhile resource to update GPs on women’s health issues and is recommended.’

Australian Doctor

Features
• Provides a completely modern approach to obstetrics and gynaecology, with women’s health and well-being linked to their roles and responsibilities in life in addition to their biological make-up
• It covers the core curriculum in obstetrics and gynaecology in great depth, drawing on the work of all of the leading experts in the field
• The book is lavishly illustrated

Contents
Part I. Women’s Health.
1. Health Professional Role; 2. Women and Health; 3. Behaviour and Mental Health
Part II. Early Life.
4. Hormones and Early Development; 5. The Female Child and Adolescence
Part III. Reproductive Years
6. Prepregnancy and Antenatal; 7. Labour and Childbirth
Part IV. Middle Years.
17. Ageing and It’s Problems
Part VI. Women and Illness.
18. Surgical, Medical and Research Issues for Women.

Women’s Health in Mid-Life
A Primary Care Guide
Edited by Jo Ann Rosenfeld
The Johns Hopkins University, USA
This book highlights the needs and healthcare concerns of women in their midlife. Women, in their middle ages, are often overlooked by medical practitioners. From the end of childbearing to old age, approximately ages 40 to 65, their health needs are complex and changing. This is a time of challenge and opportunity when the physician and woman working collaboratively can change her health and future. Midlife healthcare is far more than hormones. Healthybehaviours such as good nutrition and exercise can be promoted that will result in lower risk and sometimes improved care of heart disease, hypertension and diabetes. Adequate screening and treatment can prevent diseases and complications. Written by 20 primary care physicians, this book will help family practitioners provide the best possible healthcare for these women.

Features
• Highlights opportunities to improve the health and enhance the well-being of women through the menopause and perimenopause
• Evaluates and compares the efficacy of complementary medicines with hormone therapy
• Covers sexual health and behavioural changes during this transition

Contents
1. Introduction
Part I. Health Promotion.
Part II. Hormonal Changes.
Part III. Disease Prevention.
Part IV. Cancer Prevention.

2004 386pp 99 illustrations
Paperback 978 0 521 82340 1 (0 521 82340 4) £35.00
Handbook of Women’s Health
An Evidence-Based Approach
Edited by Jo Ann Rosenfeld
The Johns Hopkins University, USA

This practical handbook provides a clear and comprehensive evidence-based primary-care guide to the care of women in ambulatory practice, intended for general and family practitioners, nurses, physicians’ assistants and all those who practise primary care of women. It emphasizes preventive care and well-woman care throughout the lifecycle of a woman, including sexuality, contraception, medical care in pregnancy, psychological and important medical concerns. It stresses the strength of evidence underlying common practices of care of women.

Available in 2006

Hematological Complications in Obstetrics, Pregnancy, and Gynecology
Edited by Rodger L. Bick, University of Texas Southwestern Medical Center, Dallas, USA; Carolyn B. Coulam, Sher Institute for Reproductive Medicine, Chicago, USA; Eugene P. Frenkel, University of Texas Southwestern Medical Center, Dallas, USA; William F. Baker, University of California, Los Angeles, USA; and Ravi Sarode, University of Texas Southwestern Medical Center, Dallas, USA

There are many hematological complications associated with obstetrics, pregnancy and gynecology, and unfortunately, they often lead to significant morbidity or mortality for both mother and child. As the first comprehensive reference on all aspects of hematological complications of obstetrics, pregnancy and gynecology, this book will be a valuable resource to hematologists, obstetricians, gynecologists, reproductive medicine specialists, internists, anesthesiologists and others. The chapters are written by acknowledged experts in the field, and for each condition covered the etiology, pathophysiology, clinical and laboratory diagnosis and management are discussed where appropriate.

Features
- First comprehensive textbook covering hematological complications of obstetrics, pregnancy and gynecology
- All aspects of these complications are covered in great detail
- A valuable reference for clinicians caring for women with hematological complications of obstetrics, pregnancy and gynecology

Contents

Alloimmune Disorders of Pregnancy
Anaemia, Thrombocytopenia and Neutropenia in the Fetus and Newborn
Edited by Andrew Hadley and Peter Soothill
Both at University of Bristol, UK

Collectively known as the alloimmune cytopenias, this group of disorders arise from maternal immunisation to fetal blood cells. The effective prevention, diagnosis and management of these disorders involves haematologists, obstetricians, paediatricians, immunologists, laboratory technicians, midwives and research scientists. This comprehensive but accessible account is extensively cross-referenced to emphasise the links between pathogenesis and clinical sequelae, between epidemiology and the rationale for screening programmes, and between diagnosis and therapeutic intervention. This is an authoritative overview suitable for trainees in obstetrics, materno-fetal medicine, transfusion medicine and clinical immunology.

Features
- First authoritative single-volume compilation on this important group of disorders
- Uniquely, it combines pathophysiology, epidemiology, diagnosis and laboratory investigation, and treatment and management
- Multi-disciplinary team of authors provide in-depth coverage

Contents

Available in 2006
Paediatric and Adolescent Gynaecology
A Multidisciplinary Approach
Edited by
Adam H. Balen
Leeds Teaching Hospitals, University Trust, UK
Sarah M. Creighton and Melanie C. Davies
University College London Hospitals, UK
Jane MacDougall
Addenbrookes Hospital, Cambridge, UK
Richard Stanhope
Great Ormond Street Hospital, London, UK
This book provides a multidisciplinary overview of developmental anomalies, disorders and interface conditions. These are complex conditions that demand high standards of care and treatment by all healthcare professionals involved with the management of these psychological, medical and surgical problems. This textbook, which includes leading international experts from a wide range of disciplines, aims to distil their wealth of expertise and to provide the best possible advice and recommendations concerning medical intervention. Another important theme is the psychological well-being of the patient, the need for informed consent and the right to know one’s diagnosis. Patients and their families expect high standards of care, communication and consultation, and this book will help doctors achieve this.

‘…this is an important book for all health care professionals with a specific interest in the gynaecology of the first two decades of life, and those who work in assisted reproduction.’

Human Fertility

Contents
Part I. Normal Development.
Part III. Management of Specific Disorders.
2004 572pp 198 illustrations
Hardback 978 0 521 80961 0 (0 521 80961 4) £150.00

Biology and Pathology of Trophoblast
Edited by
Ashley Moffett
University of Cambridge, UK
Charlie Loke
University of Cambridge, UK
Anne McLaren
Cancer Research, Cambridge, UK
This is the first dedicated, in-depth account of trophoblast: the tissue derived from the fertilized egg that nourishes and protects the developing fetus. Disorders of trophoblast during development manifest themselves in several clinical conditions during pregnancy, including gestational trophoblastic disease and pre-eclampsia. From stem cells through to epigenetics, implantation and X-chromosome inactivation, this volume provides an up-to-date summary of the state of current knowledge and offers some glimpses as to future development on the scientific and clinical front.

Features
• Covers reproductive immunology, genetics and pathology
• Basic science and clinical aspects dealt with in depth
• Of interest and relevance to all who study the placenta

Contents

2006 200pp 29 illustrations
Hardback 978 0 521 85165 7 (0 521 85165 3) £60.00

Embryo and Fetal Pathology
Edited by
Enid Gilbert-Barness and Dian Debich-Spicer
Both at University of South Florida, USA
Exhaustively illustrated in color with over 1000 photographs, figures, histopathology slides, and sonograms, this uniquely authoritative atlas provides the clinician with a visual guide to diagnosing congenital anomalies in every organ system in the human fetus. It covers the full range of embryo and fetal pathology, from point of death, autopsy and ultrasound, through specific syndromes, intrauterine problems, organ and system defects to multiple births and conjoined twins. Gross pathologic findings are correlated with sonographic features to confirm visually the diagnoses for all organ systems. All practitioners of maternal-fetal medicine will find this atlas an invaluable resource.

‘This is a superb book, and the modest title of ‘Atlas’ belies its comprehensive coverage of perinatal pathology. The text is substantial, and through extensive use of summary tables and bullet points offers a didactic overview of the subject rather than a fully referenced scientific text.’

Human Fertility

Contents

2004 728pp 1533 illustrations
Hardback 978 0 521 82529 0 (0 521 82529 6) £220.00

The Fetal Matrix: Evolution, Development and Disease
Peter Gluckman
University of Auckland, Australia
Mark Hanson
University of Southampton, UK
New discoveries suggest that the most important interactions in determining our fate occur before birth. They are an evolutionary echo of mechanisms which allowed our ancestors to survive as hunter-gatherers. These exciting insights suggest new ways of protecting the health of the fetus and child. They are important triggers for many emerging diseases such as obesity, diabetes and heart disease. This is a ground-breaking and fascinating account written by two of the world’s leading experts and pioneers in this rapidly emerging field.

‘Those seeking an alternative to the current preventive approaches focused on healthy choices by adults should certainly read Gluckman and Hanson’s book. The book itself provides a clear description of the origin and development of a provocative and truly original idea.’

Journal of the Royal Society of Medicine

Contents

2004 246pp 18 illustrations
Paperback 978 0 521 54235 7 (0 521 54235 9) £24.99
Hardback 978 0 521 83457 5 (0 521 83457 0) £50.00
Embryos produced in vitro from bulls carrying 16;20 and 1;29 Robertsonian translocations: efficiency and kinetics of oocyte fertilization and embryo development
M. Machatkova, J. Horakova, R. Rybar, K. Hanzalova and J. Rubes

Cyclooxygenases and prostaglandin E synthases in preimplantation mouse embryos
Hui-Ning Tan, Ying Liu, Hong-Lu Diao and Zeng-Ming Yang

Transplantation of somatic nuclei into oocyte cytoplasm reveals that the chromosome properties determine the chromosome separation fate in rabbit
Li-sheng Zhang, Li-Juan Yao, Yan Jiang, Man-Xi Jiang, Zi-Li Lei, Qing-Yuan Sun and Da-Yuan Chen

Plasminogen detection in oocytes and plasminogen activator activities in the porcine oviduct during the estrous cycle
Mariela Roldán-Olarte, María Jiménez-Díaz and Dora C. Miceli

Preimplantation development and viability of in vitro cultured rabbit embryos derived from in vivo fertilized gene-microinjected eggs: apoptosis and ultrastructure analyses
A.V. Makarevich, P. Chrenek, N. Žilka, J. Pivko and J. Bulla

Visualization of early embryos of the butterfly Bicyclus anynana
Jarod Masci and Antónia Monteiro

Medium effects on capacitation and sperm penetration through the zona pellucida in inbred BALB/c spermatozoa
Seiji Kito and Yuki Ohta

Microtubule and microfilament organization in immature, in vitro matured and in vitro fertilized prepubertal goat oocytes
Esther Velilla, Elisabet Rodríguez-Gonzalez, Francesca Vidal and Maria-Teresa Paramio

Comparison of three in vitro culture systems for maturation of early preantral mouse ovarian follicles
Nathalie Mousset-Siméon, Pierre Jouannet, Laëtitia Le Cointre, Christiane Coussieu and Catherine Poirot

Presence of cumulus cells during in vitro fertilization protects the bovine oocyte against oxidative stress and improves first cleavage but does not affect further development
A. Nader Fatehi, Bernard A. J. Roelen, Ben Colenbrander, Eric J. Schoevers, Bart M. Gadella, Mart M. Bevers and Rob van den Hurk

For further information visit the journal homepage www.journals.cambridge.org/jid_FMR

Zygote
ISSN: 1469-8730
Zygote publishes original, high-quality papers, short communications and topical review articles. Topics include gametogenesis, sperm–egg interaction, activation of gametes, polarity in oocytes and zygotes, cell–cycle control, cleavage, cell–cell interactions, and the generation of early cell lineages.
For further information visit the journal homepage www.journals.cambridge.org/jid_ZYG
Uterine Fibroids
Embolization and other Treatments
Edited by
Togas Tulandi
McGill University, Montreal, Canada

Uterine fibroids are the commonest benign tumors of the uterus and pelvis, and are the single most common cause of surgery in women apart from childbirth. As such, this pioneering new book, which compares and contrasts conventional surgical treatments with the rapid emergence of uterine artery embolization as an alternative and less invasive procedure, looks set to provide a turning-point for the future treatment of this condition. The book gives a very comprehensive account of the epidemiology, pathology, diagnosis and management of uterine fibroids, with an emphasis on embolization.

Features
• Fibroids account for the single largest cause of surgery in women after childbirth, resulting in approximately 200,000 hysterectomies each year in the USA
• This account compares conventional treatments of myomectomy and hysterectomy with the rapidly advancing use of uterine artery embolization
• A pioneering book written by some of the pioneers of embolotherapy: a radiological perspective.

Contents
1. Fibroids: epidemiology and an overview;
2. Histopathology of uterine leiomyomas;
3. Imaging of uterine leiomyomas;
4. Abdominal myomectomy;
5. Laparoscopic management of uterine myoma;
6. Hysteroscopic myomectomy;
7. Myomas in pregnancy;
8. Expectant and medical management of uterine fibroids;
9. Hysterectomy for uterine fibroid;
10. History of embolization of uterine myoma;
11. Uterine artery embolization — vascular anatomic considerations and procedure techniques;
12. Pain management during and after uterine fibroid embolization;
13. Patient selection, indications and contra-indications;
14. Results of uterine artery embolization;
15. Side effects of uterine artery embolization and prevention of complications;
16. Reproductive function after uterine artery embolization;
17. Reasons and prevention of embolization failure;
18. Future of embolization and other therapies from gynecologic perspectives;

2003 164pp 98 illustrations
Hardback 978 0 521 81938 1 (0 521 81938 5) £70.00

Quality and Risk Management in the IVF Laboratory
Edited by
David Mortimer and Sharon T. Mortimer
Both at Oozoa Biomedical Inc., Vancouver, Canada

This essential survival guide for successfully managing the modern-day IVF clinic condenses a wealth of expertise and experience from the authors in troubleshooting and implementing quality management in the IVF laboratory. With high-profile media coverage of mistakes at IVF clinics, and escalating regulatory scrutiny, there is increasing pressure for professional accreditation. Quality and risk management are thus becoming hot topics. The book’s focus is on taking a holistic approach to ‘prophylactic management’ - prevention rather than cure - will be welcomed by all scientists working in IVF.

Features
• Clearly explains and summarises Quality Management and Risk Management systems for scientists working in IVF labs
• Illustrated with some of the practical problems encountered in the IVF lab, and their resolution, elimination and avoidance in future
• Provides a comprehensive description of the tools that scientists working in IVF labs need to create Quality Management and Risk Management systems

Contents

2004 238pp 55 illustrations
Hardback 978 0 521 84349 2 (0 521 84349 9) £45.00

Good Clinical Practice in Assisted Reproduction
Edited by
Paul Serhal
The University College London Hospitals, UK
Caroline Overton
Bristol Royal Infirmary, UK

Provides an introduction to good clinical practice in the investigation and treatment of infertility, using the very latest assisted reproductive technologies. There are chapters on clinical assessment of the male and the female, followed by detailed chapters on the clinical procedures that can be put in place to help overcome infertility. There are chapters on IVF, GIFT and ZIFT and clinical aspects of PGD, and on how to set up a successful IVF unit. With its clinical focus, this will undoubtedly become an essential introduction to this field.

Features
• Practical, clinical, hands-on guide by experienced practitioners
• Covers the very latest assisted reproductive technologies and procedures
• Comprehensively illustrated and referenced

Contents

2004 364pp 116 illustrations
Paperback 978 0 521 00091 8 (0 521 00091 2) £43.00

Printed in the United Kingdom at the University Press, Cambridge