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Management of Chemotherapy-Induced Nausea and Vomiting

The 2006 Institute of Medicine (IOM) consensus study report *From Cancer Patient to Cancer Survivor: Lost in Transition* made recommendations to improve the quality of care that cancer survivors receive, in recognition that cancer survivors are at risk for significant physical, psychosocial, and financial repercussions from cancer and its treatment. Since then, efforts to recognize and address the unique needs of cancer survivors have increased, including an emphasis on improving the evidence base for cancer survivorship care and identifying best practices in the delivery of high-quality cancer survivorship care. To examine progress in cancer survivorship care since the *Lost in Transition* report, the National Cancer Policy Forum of the National Academies of Sciences, Engineering, and Medicine held a workshop in July 2017, in Washington, DC. Workshop participants highlighted potential opportunities to improve the planning, management, and delivery of cancer survivorship care. This publication summarizes the presentations and discussions from the workshop.

The Effects of Cancer Treatment on Reproductive Functions

"I want to die at a hundred years old after screaming down an Alpine descent on a bicycle at 75 miles per hour. I don't do anything slow, not even breathe. I do everything at a fast cadence: eat fast, sleep fast." At twenty four, Lance Armstrong was already well on his way to becoming a sporting legend. Then, in October 1996, he was diagnosed with stage four

testicular cancer. When lesions appeared on his brain and in his lungs, doctors gave him a 40% chance of survival. On that day Armstrong's life changed forever and in typical fashion he met the challenge head on - this was one fight he was determined not to lose. As he battled against the cancer invading his body and the chemotherapy that threatened to sap his soul, a tremendous sense of commitment emerged, to his training and to the people around him who never gave up on him. Just sixteen months after he was discharged from hospital, Armstrong entered the Tour de France, a race famed for its gruelling intensity, and won, in the fastest ever time. Just a few months after that, he became a father. *It's Not About the Bike* is the story of one man's inspirational battle against the odds, charting his progress through triumph, tragedy and transformation. This is an awe-inspiring tale of immense courage and will.

Fertility Preservation and Restoration for Patients with Complex Medical Conditions

This book summarizes the contributions at an April 2016 conference held at Albany Medical College, *Reproductive Ethics: New Challenges and Conversations*. Reproductive ethics does not suffer from a lack of challenging issues, yet a few "hot button" issues such as abortion and surrogacy seem to attract most of the attention, while other issues and dilemmas remain relatively underdeveloped in bioethics literature. The goal of this book is to explore and expand the range of topics addressed in reproductive ethics. This is a multi-disciplinary book bringing together philosophers, clinicians, sociologists, anthropologists, and other scholars whose research or clinical interests touch reproductive issues. The results of this compilation are a comprehensive and unique discussion of the evolving issues in the rapidly changing field. The majority of the popular reproductive ethics anthologies were published at least 10 years ago. The field of reproductive ethics would benefit from a new anthology that addresses some of the perennial dilemmas in reproductive ethics (e.g. abortion, sex selection) from updated perspectives and that also covers new technologies that have emerged only in the last few years, such as social egg freezing.

Textbook of Oncofertility Research and Practice

This book covers the latest research on male infertility. The topics discussed range from understanding the genetic basis of infertility, to its causes and treatment. Since infertility is also of great interest to the general public, the book also includes a detailed description of what infertility is and how one can understand the different types. Given the complex etiology of infertility, the book includes a number of chapters defining the known and probable causes of male infertility. Providing detailed information suitable for patients and clinicians alike, it also features a separate section on treatment, the ultimate goal.

Fertility Cryopreservation

Oncofertility integrates the two previously distinct fields of cancer treatment and fertility research and aims to explore and expand the reproductive future of cancer survivors. In order to achieve the goal of fertility preservation, the Oncofertility community must focus on communication and the way data is provided and received. Concomitant with the rapidly changing technology of Oncofertility, there have been radical shifts and advances in the way health educators and clinicians can produce and share information. As success rates of reproductive techniques such as egg freezing and banking continue to rise, providing increasing opportunities for young cancer patients to preserve their fertility prior to the onset of cancer treatments, communication among professionals in oncology, reproductive medicine, and psychosocial work, among others, becomes crucial, and clinical demand for Oncofertility information is expected to rise considerably. Oncofertility Communication describes and addresses the myriad channels through which the multiple audiences involved in Oncofertility can be served with appropriate and accurate information about cancer-related fertility issues. The text answers frequently asked questions and provides invaluable insights to scientific and health care professionals about communication among the diverse Oncofertility audiences. It incorporates timely discussions about traditional and emerging electronic communication tools and discusses the impact of health care policy changes on the Oncofertility field.

Principles of Green Bioethics

This book collects fifteen new case studies documenting successful knowledge and information sharing commons institutions for medical and health sciences innovation. Also available as Open Access.

Jews and Genes

Gain confidence in the surgical management of female and male infertility. Authored by leading experts in operative gynecology and urology, in collaboration with the Society of Reproductive Surgeons, this valuable handbook provides readers with a comprehensive understanding of the indications, techniques, and outcomes of modern reproductive surgery. This manual presents clear step-by-step instructions illustrated with intraoperative photographs and surgical videos in order to offer patients surgical options and avoid, or improve, IVF.

Sexual Health, Fertility, and Relationships in Cancer Care

Almost all treatments for prostate cancer can result in some degree of erectile dysfunction (ED). Assessing a man's sexual health is particularly important in the treatment of prostate cancer. Jeffrey Albaugh, PhD, APRN, CUCNS, is a pioneer in the field of sexual medicine who emphasizes that treating a man with prostate cancer requires an assessment of his sexual history. ED is no longer considered a foregone conclusion for patients with prostate cancer. All men and their

partners should read this book prior to undergoing prostate cancer treatment. This second edition highlights the patient and partner experience of acknowledging that sexual health is a fundamental part of treating the whole patient.

Fertility Challenges and Solutions in Women with Cancer

In the past, pregnancy after cancer was largely unheard of. Today, it is increasingly a possibility. Oncofertility has emerged as an interdisciplinary field bridging biomedical and social sciences, and examining issues regarding an individual's fertility options, choice and goals in light of cancer diagnosis, treatment and survivorship. Written by leaders in this evolving field, the volume covers various aspects: medical, ethical and social.

Tele-oncology

Male Infertility: Problems and Solutions provides a summary of state of the art developments in male infertility for both new and experienced practitioners. Written in a clear, concise and readable style, this volume allows the reader to obtain rapid answers to this challenging medical issue. Special emphasis is placed on diagnostic and treatment algorithms. Topics covered include interpretation of semen analysis and advanced testing, endocrine and genetic evaluation, diagnosis of azoospermia as well as an up-to-date interpretation and analysis of the many new therapies available for the treatment of male factor infertility. Male Infertility: Problems and Solutions provides rapid acquisition of pertinent background and development of management plans through the use of concise discussion and treatment algorithms and thus will be of great value to general urologists, gynecologists, primary care providers and allied health providers who manage infertility in both men as well as women.

Reproductive Medicine for Clinical Practice

This first volume of the series of the International Academy of Human Reproduction focuses on new aspects of reproductive medicine, from the professional responsibility model of ethics to the areas of high clinical involvement in human reproduction, such as endometriosis, polycystic ovary, family planning and post-coital contraception. The book discusses fertility and assisted reproductive techniques in the context of genetics and epigenetics as well as psychosomatic and longevity aspects. In addition, it presents new technologies and therapeutic strategies to improve IVF results and prevent ovarian hyperstimulation syndrome, as well the new challenges and the future of imaging in reproduction. Menopause and the effects of estrogens on athero-prevention, mood, and more generally the reproductive hormones impact on dementia and healthy aging are also covered. Further, it includes a section devoted to innovative aspects of gynecological surgery, discussing the treatments of vaginal aplasia, reproductive microsurgery and technological breakthroughs in pelvic organ

prolapse surgery. Last, but not least, it examines the syndromic aspects of preterm birth. This volume is a useful and comprehensive tool for gynecologists, obstetricians, endocrinologists and all specialists who deal with women's reproductive health.

Cardiac Management of Oncology Patients

This book is designed for clinical cardiologists and other physicians working with cardiac patients, where specific specialized teams of cardio-oncologists are not available and who are called to perform a clinical consultation to evaluate both the cardiac condition and the eligibility for chemotherapy or radiotherapy treatment, and to evaluate if a cancer treatment produces toxic effects on a patient treated with chemo or radiotherapy and if appearance of new symptoms is due to this treatment. In recent years, progress in oncologic therapy has resulted in important developments and the prognostic improvement of patients with malignancy. The cornerstone of chemotherapy are the anthracyclines (and the analogue Mitoxantrone), that are direct cellular toxic agents and that are among the most powerful anti-neoplastic drugs, but their cardiac toxicity is well known. Significant breakthroughs in cancer therapy have also been achieved with the introduction of signalling inhibitors, such as VEGF inhibitors, HERB2 inhibitors or TK inhibitors used alone or in combination with direct cellular toxic drugs. However, these signalling inhibitors may interact also with cardiovascular signalling and therefore may have functional or structural effects on the myocardium. This can be permanent or reversible, with impairment of the global conditions and important side effects, and increase both morbidity and mortality and worsening of quality of life. Chemotherapy and radiotherapy can have acute detrimental effects that can be present for years after treatment and that can lead to cardiac consequences also after long periods of no clinic sequelae. Patient numbers with cancer problems will dramatically increase in the next years and thus every cardiologist will need to have the correct information and the skills to manage these situations in the correct way. This book will provide these tools for them.

Oncofertility

Oncofertility is a specialty that bridges the disciplines of reproductive endocrinology and infertility and oncology, with the goal of expanding the reproductive options of cancer patients. Given fertility risks associated with specific cancer treatments, as well as the improved long-term survival made possible by these therapies, there has been growing interest in expanding reproductive options for cancer patients. Indeed, both cancer survivors and the medical community have acknowledged the importance of patient counseling and the pursuit of fertility preservation options prior to starting cancer treatment. Oncofertility Medical Practice: Clinical Issues and Implementation is the third in a series of timely and indispensable books on fertility preservation for cancer patients—the first one focused on advances in basic science research and the second one offered ethical, legal, and social perspectives on the theme. This book elucidates the latest

practices and emerging treatments in oncofertility and provides necessary information on the successes, risks, and limitations of fertility preserving technologies. Authoritative and insightful, written by an impressive multi-disciplinary cadre of specialists, this book is a valuable up-to-date resource for all those practicing in this demanding field. "This excellent text is an invaluable resource and a "must read" for clinicians and researchers interested in Oncofertility. The editors and authors need to be congratulated for their fine work." Roger A. Lobo, MD, Professor of Obstetrics and Gynecology, Columbia University and Past President of the American Society for Reproductive Medicine

Reclaiming Sex and Intimacy After Prostate Cancer

Reproductive medicine is a growing field with new technology emerging faster than we can assess consumer's perceptions of -the number of cancer survivors are growing and there is a great need to attend to their quality of life-this book addresses the needs of males and females, identifies effective communication strategies and proactive measures for health care professionals and researchers to use as well as identifying gaps in the literature where more research is needed.

Contraception for the Medically Challenging Patient

This second updated volume on breast cancer provides a comprehensive overview of its clinical management and current therapies. Updated to reflect the changes in breast cancer staging, the progress in immunotherapy approaches, as well as the latest guidelines for therapies, this book brings readers up to speed with the latest therapeutic regimens in breast cancer and provides an in-depth account of current and new therapeutic approaches. The most important phase III trials, high quality meta-analysis, consensus reports and guidelines are extensively discussed in this new edition and provide the reader with the most up-to-date information. Divided in themed parts, the book examines invasive breast cancer, pre-operative systemic therapy surgical management and recurrence among others, thus providing an in-depth account of breast cancer at the clinical stage. Among the themed parts are a section dedicated to special therapeutic problems, such as breast cancer in older women, Paget's disease and phyllodes tumors and a section on supportive and follow-up care. By adopting a multidisciplinary approach to breast cancer, this book is a must-have for breast cancer practitioners. With a high number of colored illustrations and edited by highly experienced clinicians, this work enables readers to gain an interdisciplinary perspective on breast diseases. Contributions from an international team of experts present invaluable insight into clinical practice across different settings. Covering both theoretical and practical aspects of breast cancer, this is a highly informative and carefully presented book which will appeal to an international audience of medical, radiation and surgical oncologists.

Governing Medical Knowledge Commons

The specialty of fertility preservation offers patients with cancer, who are rendered infertile by chemo- and radiotherapy, the opportunity to realize their reproductive potential. This gold-standard publication defines the specialty. The full range of techniques and scientific concepts is covered in detail, and the author team includes many of the world's leading experts in the field. The book opens with introductions to fertility preservation in both cancer and non-cancer patients, followed by cancer biology, epidemiology and treatment, and reproductive biology and cryobiology. Subsequent sections cover fertility preservation strategies in males and females, including medical/surgical procedures, ART, cryopreservation and transplantation of both ovarian tissue and the whole ovary, and in-vitro follicle growth and maturation. Concluding chapters address future technologies, as well as ethical, legal and religious issues. Richly illustrated throughout, this is a key resource for all clinicians specializing in reproductive medicine, gynecology, oncology, hematology, endocrinology and infertility.

Uterus Transplantation

This unique book is a comprehensive guide for healthcare providers who treat patients with complex medical conditions but lack the resources to address fertility and sexuality concerns and help patients navigate their fertility decision-making process. It presents up-to-date information concerning fertility preservation and restoration for patients with hereditary cancer syndromes, disorders of sex development, hematologic diseases, genetic disorders of gonadal dysfunction, immunologic diseases, gynecologic diseases, endocrine disorders, and autoimmune and inflammatory diseases. Utilizing a practical, user-friendly format, each chapter discusses the epidemiology, classification, risk factors and/or clinical manifestations, and diagnosis and treatment modalities specific to each condition, as well as the effect of it or its treatment on fertility and unique options that may exist. Complex medical conditions are inherently difficult to manage, and reproductive interventions are often not part of the conversation. As such, Fertility Preservation and Restoration for Patients with Complex Medical Conditions will be an excellent resource for primary care physicians, obstetrician/gynecologists, endocrinologists, oncologists, and other health professionals working with patients with fertility concerns. This book, together with *Oncofertility: Fertility Preservation for Cancer Survivors*; *Oncofertility: Ethical, Legal, Social, and Medical Perspectives*; *Oncofertility Medical Practice: Clinical Issues and Implementation*; *Oncofertility Communication: Sharing Information and Building Relationships across Disciplines*; and *Pediatric and Adolescent Oncofertility: Best Practices and Emerging Technologies*, provides scientific and medically relevant information on fertility preservation from all vantage points and is an indispensable series for those interested in fertility management in cancer or complex settings.

The New Eugenics

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.

Cancer and Fertility

This case series book offers a practical and accessible approach to psychiatry, addressing major clinical problems ranging from psychosis to aging effects, each of which is tackled as it arises in everyday settings. With its emphasis on everyday practice strongly linked to underlying theory, the book combines clinical knowledge with the realities of managing clinical problems, and will provide a basis for developing sound analytical and confident decision-making skills. Presenting different visions of clinical psychiatry and expanding psychiatrists' interventions by integrating innovative neuroscience approaches such as neuroimaging, neuropsychology, TMS and cognitive rehabilitation, it will help clinicians and students alike gain a sound understanding of the wide range of signs and symptoms that indicate psychiatric disorders, and how the diagnosis, management and treatment options can differ from those in other medical specialties. The volume includes learning activities, with questions on each clinical case followed by detailed explanatory answers, and self-assessment exercises to assist with learning and revision. Throughout the book, tips and key features are highlighted with boxes, algorithms, tables and figures, which the reader can refer back to for exam revision and well into her/his career.

Pediatric and Adolescent Oncofertility

This guidance sets out the effects of a range of cancer treatments on reproductive functions and provides clear standards for management.

Breast Disease

This richly illustrated book focuses on one of the specific and crucial steps of the Medically Assisted Procreation techniques that is often overlooked: the oocyte pick-up. Enhanced by a large number of high-quality pictures, this atlas of oocyte

retrieval comprehensively describes important aspects such as the setting of the ultrasonic equipment, the choice of needle, the layout of the devices in the room and the technique to be used, which, if not properly handled, can lead to erroneous behaviors. The original and detailed illustrations, mainly microscopic images and explanatory drawings, help readers to better understand how to manage all the phases of the ovarian pick-up and oocyte management. This practical atlas provides a valuable guide for all specialists who want to improve their skills and gain confidence with the MPA techniques.

Oncofertility

Health care is ubiquitous in the industrialized world. Yet, every medical development, technique, and procedure impacts the environment. Green bioethics synthesizes environmental ethics and biomedical ethics, thus creating an interdisciplinary approach to sustainable health care. Notably, green bioethics addresses not the structure of environmental sustainability in health-care institutions but the sustainability of individual health-care offerings. It parallels traditional biomedical ethics by providing four principles for ethical guidance: distributive justice, resource conservation, simplicity, and ethical economics. Through these four principles, green bioethics presents a coherent framework for evaluating the sustainability of medical developments, techniques, and procedures. The future of our world may very well depend on how effectively we halt ecological destruction and conserve our resources in all areas of life. The principles of green bioethics, outlined in this book, will advance sustainability in health care.

Cancer Treatment and the Ovary

Protecting the reproductive potential of young patients undergoing cancer therapy is increasingly important. With modern treatment protocols, 80% of patients can be expected to survive. It has been estimated that up to one in 250 young adults will be a survivor of childhood cancer in the future; infertility, however, may be a consequence. As a wide range of fertility preservation methods are increasingly offered by clinicians, this systematic and comprehensive textbook dealing with the cryobiology, technology and clinical approach to this therapy will be essential reading to infertility specialists, embryologists, oncologists, cryobiologists, ObGyns, andrologists, and urologists with an interest in fertility preservation. Fertility Cryopreservation reviews all the techniques of this increasingly important field within reproductive medicine. It covers the basic principles of pertinent cryobiology, and contains major sections on the different therapies available, written by international specialists combining experience from both academic centers and commercial industries.

Preservation of Fertility

Bringing together more than a decade of dedicated investigation and clinical work, this unique textbook is a unified, comprehensive source for oncofertility research and medical practice that is both authoritative and up-to-date. It will serve as the primary oncofertility reference for the various medical disciplines that must be coordinated to provide care for young cancer patients. Moreover, it contains case studies that are prismatic for new entrants into the field. The book is organized around the major themes of the discipline and includes current research, clinical practice, emerging technologies and didactic questions and is divided into six thematic sections: Fertility implications in both oncologic and non-oncologic settings Options for fertility preservation, both male and female Care of the oncofertility patient, including contraception and pregnancy considerations Oncofertility in clinical practice, from setting up a new program to genetic counseling and communication Ethical and legal considerations Advances in the basic science of oncofertility In each chapter, bulleted key learning points and review study questions bookend the text. Six additional sections, comprised exclusively of clinical case studies illustrating the management of both oncologic and non-oncologic conditions, add to the pedagogical value of the text. Timely and utilizing the best current evidence, *Textbook of Oncofertility Research and Practice: A Multidisciplinary Approach* will be an invaluable resource for students, residents, fellows and professionals in reproductive endocrinology, pediatric endocrinology, adult and pediatric oncology, adult and pediatric urology, breast surgery, radiation oncology and allied professions where iatrogenic treatments or genetic conditions result in infertility.

Oncofertility

This book discusses all aspects of the uterus transplantation procedure in women who are childless because of a dysfunctional or missing uterus, from initial pre-operative investigations to follow-up after the uterine graft has been removed. All the international experts who are engaged in clinical activities and/or research in this field have contributed one or more of the book's chapters. Since the first live birth following uterus transplantation was reported in Sweden in September 2014, the field has been rapidly evolving around the globe: the first cases in USA, Germany, China, Brazil, and Czech Republic were performed in 2016 and several other centres are preparing for clinical trials of uterus transplantation. Uterus transplantation is a subject that attracts the attention of many bioethicists, and like all other major procedures in transplantation surgery and assisted reproduction techniques, it is a complex process that requires a multidisciplinary team if it is to be successful. As such the book is a valuable resource not only for clinicians from many disciplines, but also for nurses, ethicists, psychologists and researchers.

Male Infertility: Understanding, Causes and Treatment

Oncofertility has emerged as a way to address potential lost or impaired fertility in cancer patients and survivors, with active biomedical research that is developing new ways to help these individuals preserve their ability to have biological

children. In order to move beyond oncofertility as a science and medical technology and begin to address the ethical, legal, and social ramifications of this emerging field, we must give voice to scholars from the humanities and social sciences to engage in a multidisciplinary discussion. This book brings together a pool of experts from a variety of fields, including communication, economics, ethics, history, law, religion, and sociology, to examine the complex issues raised by recent developments in oncofertility and to offer advice from national and international perspectives as we create new technology. Given the inherent interdisciplinary nature of oncofertility, this book is not only valuable, but also necessary to cultivate a deep understanding of new issues with the eventual aim of offering proposals for addressing them. Indeed, this book will be useful for people not only within the humanities and social sciences disciplines but also for those who are confronted with cancer and the possibility of impaired fertility and the medical practitioners within oncology and reproductive medicine who are at the front lines of this emerging field.

Pick Up and Oocyte Management

This book provides a comprehensive review of new agents, a detailed description of new uses of current agents, and an integration of the available agents in clinical practice. A description of a detailed clinical approach provides clinical practitioners with the most up-to-date recommendations for the prevention and treatment of chemotherapy-induced nausea and vomiting (CINV) in various clinical settings. CINV is one of the most feared treatment related toxicities. Patient surveys for the past thirty years consistently demonstrate patients' perception of deterioration in quality of life due to chemotherapy treatments. The introduction of the antiemetics, serotonin 5-HT₃ receptor antagonists and the neurokinin-1 receptor antagonists, have improved the control of chemotherapy-induced emesis, but the treatment of chemotherapy-induced nausea remains a significant clinical problem. Patients continue to have quality of life issues which prevent normal functioning during active treatment. New agents such as the second generation 5-HT₃ receptor antagonist palonosetron and the new neurokinin-1 receptor antagonists rolapitant and netupitant are being introduced into clinical practice, and it is anticipated that these new agents will improve the control of CINV. Agents such as olanzapine (a FDA approved anti-psychotic), gabapentin (a FDA approved neuroleptic), and ginger (a food additive), which have been used primarily for other indications, are now being tested as potential, effective antiemetics. This work represents the first available comprehensive summary that details all new antiemetic agents and, particularly, their clinical role in treating patients; an important reference for practitioners seeking to improve the quality of life of patients undergoing chemotherapy.

Reproductive Health and Cancer in Adolescents and Young Adults

In the past, pregnancy after cancer was largely unheard of. Today, it is increasingly a possibility. Oncofertility has emerged as an interdisciplinary field bridging biomedical and social sciences, and examining issues regarding an individual's fertility

options, choice and goals in light of cancer diagnosis, treatment and survivorship. Written by leaders in this evolving field, the volume covers various aspects: medical, ethical and social.

Oncofertility

Women with chronic medical problems are at higher risk for complications during pregnancy and therefore, they are especially in need of appropriate preconception and contraception care. Furthermore, many women with chronic medical problems do not obtain adequate preconception and contraception care. Despite published guidelines by the Centers for Disease Control and Prevention, there is a substantial gap in medical practice regarding the use of contraception in women with co-existing medical problems. *Contraception for the Medically Challenging Patient* fills the gap that currently exists in the knowledge of correct contraceptive prescribing practice and shows that inappropriate contraindications can easily become a barrier to effective contraception use among women. Chapters highlight obsolete views about appropriate candidates for contraception and address the complex contraceptive needs of today's medically challenging patients with HIV/AIDS, uterine fibroids or cardiac, neurologic or thyroid disease. The book gives attention to recommendations on the use of contraception in women with medical problems such as diabetes, obesity, epilepsy, and lupus, among others and provides comprehensive information regarding the effects that certain drugs may have on contraceptive hormone levels. While national guidelines do exist for contraceptive eligibility, this book discusses in more detail the evidence behind the guideline recommendations and the nuances that clinicians confront in daily practice.

Encyclopedia of Reproduction

This book, written by global experts in the field, provides a thorough overview on fertility and pregnancy challenges and solutions in women who are being or have been treated for cancer. The book addresses several topics, including pregnancy outcomes after a cancer diagnosis, the impacts of systemic anticancer therapy on fertility, the essentials of fertility preservation approaches in cancer patients, and fertility counseling. This is in addition to controversial topics like the role of ovarian stimulation in breast cancer patients, fertility preservation in cancer patients with BRCA mutation and the evolving role of GnRH analogues. Within this context, key open questions are discussed with reference to the latest evidence. The aim is to provide clinicians with a reliable resource that documents the most up-to-date knowledge on the feasibility and safety of the different approaches to fertility preservation and on the management of female cancer patients who would like to preserve fertility and achieve a pregnancy following their treatment.

Clinical Cases in Psychiatry

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 presents 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 pediatric oncofertility in the clinic round out the book, covering setting up a practice, counseling and consent, disclosure and insurance considerations. Concluding chapters document fertility preservation techniques and outcomes internationally, with contributions from Portuguese, Brazilian and Japanese authors. Timely and wide-ranging, Pediatric and Adolescent Oncofertility is an ideal resource for reproductive medicine specialists, pediatric oncologists, and primary care physicians treating pediatric and adolescent cancer patients looking to protect fertility options.

Reproductive Ethics

Encyclopedia of Reproduction, Second Edition comprehensively reviews biology and abnormalities, also covering the most common diseases in humans, such as prostate and breast cancer, as well as normal developmental biology, including embryogenesis, gestation, birth and puberty. Each article provides a comprehensive overview of the selected topic to inform a broad spectrum of readers, from advanced undergraduate students, to research professionals. Chapters also explore the latest advances in cloning, stem cells, endocrinology, clinical reproductive medicine and genomics. As reproductive health is a fundamental component of an individual's overall health status and a central determinant of quality of life, this book provides the most extensive and authoritative reference within the field. Provides a one-stop shop for information on reproduction that is not available elsewhere Includes extensive coverage of the full range of topics, from basic, to clinical considerations, including evolutionary advances in molecular, cellular, developmental and clinical sciences Includes multimedia and interactive teaching tools, such as downloadable PowerPoint slides, video content and interactive elements, such as the Virtual Microscope

Hysteroscopy

This book explains how telemedicine can offer solutions capable of improving the care and survival rates of cancer patients and can also help patients to live a normal life in spite of their condition. Different fields of application - community, hospital and home based - are examined, and detailed attention is paid to the use of tele-oncology in rural/extreme rural settings and in developing countries. The impact of new technologies and the opportunities afforded by the social web are both discussed. The concluding chapters consider eLearning in relation to cancer care and assess the scope for education to

improve prevention. No medical condition can shatter people's lives as cancer does today and the need to develop strategies to reduce the disease burden and improve quality of life is paramount. Readers will find this new volume in Springer's TLe Health series to be a rich source of information on the important contribution that can be made by telemedicine in achieving these goals.

Principles and Practice of Fertility Preservation

Cancer Treatment and the Ovary: Clinical and Laboratory Analysis of Ovarian Toxicity provides the reader with a basic understanding on how the ovary is adversely impacted by cancer treatment, an essential foundational knowledge for this rapidly-developing field. The book describes both the clinical and laboratory approaches to discovering the potentially adverse effects of cancer treatment on the ovary, also laying out possible preventative approaches and future directions for the field. Clinicians working in the field of reproductive biology and oncology will find an essential reference that provides the necessary tools to assess the reproductive toxicological effects of cancer treatments. Brings together an international group of experts to address the current state of the science of ovarian toxicity caused by cancer treatment Provides scientific, clinical, and preclinical approaches to assessing this toxicity Describes current techniques and future strategies to protect the ovary Ideal reference for the further study of ovarian toxicity, oncofertility, cancer treatment, and reproductive toxicology

Oncofertility Communication

"This book, from the International Psycho-oncology Society, is the second in a series of brief Companion Guides for Clinicians. The series editors identified a need for a guide to focus on the impact of cancer and oncology treatments on sexual health, fertility and relationships. The topic is approached from a psycho-oncology perspective, i.e. placing the emotional, behavioural and social elements at the centre of the topics covered in the chapters. The aim is to describe approaches and treatments that can be utilised by cancer clinicians, mental health professionals, psycho-oncologists in training and allied psychosocial oncology professionals. It emphasises the importance of multidisciplinary care. The guide is not intended to replace national clinical guidelines and policies but gives a more generic international overview of the important factors and elements that need to be considered when dealing with sexual health, fertility and associated relationship issues for cancer patients at all points on the treatment trajectory. Topics include: management of sexual health; onco-fertility care; relationship issues. It covers standards of good practice across all cancer patients, as well as focussing on the needs of individuals, couples, young people and LGBT groups in a pragmatic format for use in everyday practice. Assessment methods are covered, alongside psychological treatments, covering a wide range of patient ages and types of cancer. Policies, service issues, legal, ethical, confidentiality and communication issues are also covered. This brief

pocketbook manual can be used for quick reference. This will suit oncology professionals who decide to look further into a topic on a case-by-case or problem-focussed basis as they undertake clinical work"--

Male Infertility

Many technologies exist for men and women to preserve fertility, and advances are being made all the time. Sadly, this information is not always well known in the oncology community and is, therefore, not presented to all eligible cancer patients. Reflecting the latest advances in the field and offering practical information useful to clinicians and scientists, *Preservation of Fertility* addresses new concepts, progress in reproductive techniques, novel treatment modalities, pregnancy after cancer treatment, patient care issues, and professional responsibilities. Tulandi and Gosden have assembled an outstanding group of internationally recognized specialists to address the entire spectrum of issues regarding fertility preservation. They begin with a discussion of age and fertility, epidemiology of cancer survival and fertility, and the vulnerability of the reproductive system to radiotherapy and chemotherapy. The book includes coverage of methods for preserving fertility, new developments in the laboratory for preserving gametes and gonadal tissue, and the psychosocial, legal, and ethical issues of fertility preservation. A powerful knowledge tool for the medical community, this pioneering book provides a complete understanding of the techniques for preserving fertility.

Oncofertility Medical Practice

This unique textbook is designed to provide a summary of state of the art developments in both male and female fertility and its association with cancer for both new and experienced practitioners. Clear, concise and readable, the text allows the reader to obtain rapid answers to this challenging medical issue. Special emphasis is placed on diagnostic and treatment algorithms. Topics covered include demographics of cancer in the reproductive age male, fertility conditions which predispose to cancer development, the role of assisted reproduction for fertility management, as well as fertility preservation strategies for the male and female cancer patients. *Cancer and Fertility* will be of great value to general urologists, uro-oncologists, gynecologists, medical oncologists, obstetricians, primary care providers, allied health providers.

Long-Term Survivorship Care After Cancer Treatment

Well aware of Jews having once been the victims of Nazi eugenics policies, many Jews today have an ambivalent attitude toward new genetics and are understandably wary of genetic forms of identity and intervention. At the same time, the Jewish tradition is strongly committed to medical research designed to prevent or cure diseases. *Jews and Genes* explores this tension against the backdrop of various important developments in genetics and bioethics—new advances in stem cell

research; genetic mapping, identity, testing, and intervention; and the role of religion and ethics in shaping public policy. *Jews and Genes* brings together leaders in their fields, from all walks of Judaism, to explore these most timely and intriguing topics—the intricacies of the genetic code and the wonders of life, along with cutting-edge science and the ethical issues it raises.

Reproductive Surgery

This book offers a cutting-edge guide to hysteroscopy and provides readers with the latest and most essential information on procedure techniques, clinical advances and international developments in practice and treatment of endometrial pathology. Providing comprehensive coverage, it explains in detail every aspect of hysteroscopy, from diagnostics to hysteroscopic surgery. As such, it addresses the bases of hysteroscopy; pre-, intra- and post-hysteroscopy medications; intracavitary pathologies; fertility issues; and surgical implications and complications. At the same time, it also explores challenging and controversial topics, such as hysteroscopy and ART, submucous myomas, and uterine malformations. All topics are discussed by prominent experts in the field, and clearly organized and illustrated to help readers gain the most from each chapter. Accordingly, the book offers a valuable resource for all gynecologists working at hysteroscopy units, reproductive units, gynecological and oncological units, as well as a quick reference guide for all other physicians interested in the topic.

It's Not About The Bike

Oncofertility has emerged as a way to address potential lost or impaired fertility in cancer patients and survivors, with active biomedical research that is developing new ways to help these individuals preserve their ability to have biological children. In order to move beyond oncofertility as a science and medical technology and begin to address the ethical, legal, and social ramifications of this emerging field, we must give voice to scholars from the humanities and social sciences to engage in a multidisciplinary discussion. This book brings together a pool of experts from a variety of fields, including communication, economics, ethics, history, law, religion, and sociology, to examine the complex issues raised by recent developments in oncofertility and to offer advice from national and international perspectives as we create new technology. Given the inherent interdisciplinary nature of oncofertility, this book is not only valuable, but also necessary to cultivate a deep understanding of new issues with the eventual aim of offering proposals for addressing them. Indeed, this book will be useful for people not only within the humanities and social sciences disciplines but also for those who are confronted with cancer and the possibility of impaired fertility and the medical practitioners within oncology and reproductive medicine who are at the front lines of this emerging field.

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