

Yen Jaffes Reproductive Endocrinology Physiology Pathophysiology And Clinical Management Expert Consult Online And Print 7e

This book focuses on the emergence of gender difference, summarizing the most up-to-date interdisciplinary research. Providing a comprehensive review of the interactions between exercise and human reproduction, this unique text focuses on both the positive and negative consequences of sport and physical activity on male and female fertility and infertility and the biological mechanisms and processes behind them. Beginning with a review of the structure and function of the male and female reproductive systems as well as fertilization and gestation, the discussion then turns to the physiology and endocrinology of sport and exercise, which is further elaborated in subsequent chapters on the impact of physical activity, hormonal changes, pathologies, and consequences of drug use for active men and women. Additional chapters address related topics, such as the impact of sport on young athletes and developing reproductive potential, physical activity and pregnancy, the use of oral contraceptives in athletes, oxidative stress, and the impact of nutritional deficiencies on athletes' fertility, with a final chapter providing recommendations and therapeutic guidelines for exercise-related reproductive disorders. Covering everything from the fundamental principles of sports physiology and human reproductive potential to the interaction between physical exercise and the endocrinology of the reproductive system, *Exercise and Human Reproduction* is an authoritative resource for helping clinicians understand how the reproductive system adapts to activity and exercise and offers strategies to avoid potential harm to human reproduction.

With an emphasis on a practical, "how-to" approach, this comprehensive text addresses the most important and commonly performed procedures in gynecologic oncology surgery today. Written by leaders in the field, *Principles of Gynecologic Oncology Surgery* clearly describes the critical steps for each procedure, provides up-to-date information on the recent literature, and includes high-quality illustrations of anatomy and technique. Covers hot topics such as Enhanced Recovery After Surgery (ERAS), sentinel lymph node mapping, and minimally invasive surgery (robotic surgery, advanced laparoscopic surgery, and single site surgery). Includes expert coverage of reconstructive surgery, colorectal surgery, urology, and vascular surgery, each written by surgeon leaders in that particular field. Addresses the diagnosis, management and prevention of surgical complications. This updated and revised edition offers the latest information and many new tables and illustrations. Now includes information on endocrinology of the breast, infertility and new technology in the field of endocrinology from over 25 leading contributors.

This book is an introductory text in neuroendocrinology for undergraduate students.

Preceded by: Yen and Jaffe's reproductive endocrinology: physiology, pathophysiology, and clinical management / [edited by] Jerome F. Strauss III, Robert L. Barbieri. 7th ed. c2014.

Providing the most current information on the function of human growth hormone (GH) and the consequences of its deficiency, this practical yet comprehensive text is divided into three sections. Part one describes the mechanisms of GH secretion and action,

including the physiology of GH and its regulation by sex steroids and thyroid hormones, the effects of both under nutrition and obesity on GH secretion, and the metabolic effects of human recombinant GH therapy. The second section covers diagnostic strategies and tests for GH deficiency in both children and adults, including MRI of the pituitary. The final section describes the different etiologies of GH deficiency, from molecular mechanisms and gene abnormalities to cranial radiation and traumatic brain injury, along with syndromes related to this deficiency. Presenting underlying mechanisms and pathologies, as well as diagnostic methods, Growth Hormone Deficiency will provide the most up-to-date essential information and evidence on this condition for the clinical endocrinologist.

Established as a definitive reference for the IVF clinic, the fifth edition has been extensively revised, with the addition of several important new contributions on clinical topics, including GnRH agonist triggering, segmentation of IVF treatment, uterus transplantation, and risk and safety management. As previously, methods, protocols, and techniques of choice are presented by IVF pioneers and eminent international experts.

This updated and revised edition offers the latest information and many new tables and illustrations. Now includes information on endocrinology of the breast, infertility and new technology in the field of endocrinology from over 25 leading contributors. 10 brand-new chapters: Neuroendocrinology, Polycystic Ovary Syndrome, The Breast, Reproductive Immunology, Infertility, Assisted Reproductive Technology, and many more. Up-to-date material on hot topics such as the novel estrogen receptor (alpha and beta), cytogenetics in reproduction, the male hypothalamic-pituitary-gonadal axis, and function and dysfunction of the testis. A meticulously revised section on Endocrinology in Pregnancy, including chapters on Neuroendocrine-Metabolic Regulation and Endocrine Disorders in Pregnancy. Coverage encompassing physiology, pathophysiology, and management of clinical disorders. Over 440 illustrations, including figures and tables, clarify key concepts.

The field of androgen excess disorders has advanced substantially since the original publication of this book. The Androgen Excess Society (AES) was founded to bring together investigators in the field. A better understanding of the screening, progression, and molecular genetics of nonclassic adrenal hyperplasia (NCAH) has improved the clinical care and diagnostic accuracy of these patients. New criteria for the diagnosis of the polycystic ovary syndrome (PCOS) were proposed in Rotterdam, criteria that have resulted in controversy and, hopefully, initiation of new studies. The association of insulin resistance with PCOS has been strengthened, and the role of metformin in treating the infertility of the PCOS has been validated. Risks for diabetes and, more controversially, cardiovascular disease in women with PCOS have received substantial investigation. Our understanding of the epidemiology and economic impact of these disorders has expanded, emphasizing their critical importance. These are but a few highlights of how the terrain has changed in a relatively brief period of time. In keeping with these advances, the title of this book has been revised to reflect the growing importance of PCOS as the most prevalent androgen excess disorder in women, and arguably, as the one that might have the most serious adverse consequences for general health. There are fewer chapters to provide a more focused elucidation of the area. Several chapters were penned by new (and young) authors who are conducting

cutting-edge research in the field.

The subject of this book is neuroendocrinology, that branch of biological science devoted to the interactions between the two major integrative organ systems of animals—the endocrine and nervous systems. Although this science today reflects a fusion of endocrinology and neurobiology, this synthetic approach is relatively recent. At the beginning of the 20th century, when the British physiologists, Bayliss and Starling, first proposed endocrinology to be an independent field of inquiry, they went to great lengths to establish the autonomy of chemical secretions in general and their independence from nervous control in particular (Bayliss, W. M. , and Starling, E. H. , 1902, The mechanism of pancreatic secretion,]. *Physiol.* 28:325). They argued with Pavlov, who said that there was a strong influence of the nervous system on the gastrointestinal phenomena the endocrinologists were studying. For several decades, the English physiologists prevailed, at least in the West; and Pavlov's critique was not taken to heart by the practitioners of the newly emerging discipline of endocrinology. Through the work of Harris, the Scharrers, Sawyer, Everett, and others, there has been something of a scientific detente in the latter half of this century; the hybrid field of neuroendocrinology is now regarded as one of the corner stones of modern neural science and is of fundamental importance in basic and clinical endocrinology.

Management of the modern reproductive endocrinology and infertility clinic has become very complex. In addition to the medical and scientific aspects, it is crucial that the modern director be aware of of incongruent fields such as marketing, accounting, management, and regulatory issues. *Reproductive Endocrinology and Infertility: Integrating Modern Clinical and Laboratory Practice* was developed to assist the practicing reproductive endocrinologist and/or laboratory director by providing an overview of relevant scientific, medical, and management issues in a single volume. Experts in all pertinent areas present concise, practical, evidence-based summaries of relevant topics, producing a key resource for physicians and scientists engaged in this exciting field of medicine. As novel technologies continue to amplify, *Reproductive Endocrinology and Infertility: Integrating Modern Clinical and Laboratory Practice* offers insight into development, and imparts extra confidence to practitioners in handling the many demands presented by their work.

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.

A comprehensive, cutting-edge review of the complex interactions between maternal and fetal-placental tissues that control the establishment and maintenance of pregnancy, the proper development of the fetus, the birth process, and the behavioral aspects of bonding between mother and newborn. Expert researchers review the endocrine and physiological events that culminate in the delivery of offspring, and provide a solid base of comparative information on the menstrual cycle of primates, including humans.

They also discuss the sources and functions of both steroid and protein hormones from the placenta and the details of their effects on uterine function, placental development, fetal growth and well-being, and maternal responses to pregnancy. This book will become the standard reference source not only for reproductive scientists, but also for those clinicians who want better to understand the complex factors that affect pregnancy-and their pregnant patients.

Endocrine Biomarkers: Clinical Aspects and Laboratory Determination covers all the pre-analytical variables that can affect test results, both in the clinic and laboratory. Biomarkers of endocrine and bone diseases are discussed from both clinical and laboratory perspectives, and the authors elaborate on the teamwork-based approach between the clinician and the laboratory professional in the diagnosis and management of endocrine and bone disorders. Discussions include test utilization, laboratory measurement methods, harmonization and standardization, interpretation of results, and reference intervals. Each chapter ends with a discussion of one or two relevant cases with shared opinions from both a clinician and a clinical chemist. Each chapter also includes a summary box outlining key points and common pitfalls in the use of specific disease biomarkers and tests. Focuses on the traditional, current, and emerging clinical chemistry tests for endocrine and bone diseases, along with their application in individual clinical management Presents a brief discussion of each disorder and its respective interrelationships, along with laboratory methodologies that can be used to aid in evaluation of disorders Reviews common approaches to the measurement of the relevant hormones, with a special focus on measures that require a structured clinical testing scenario Reviews novel chemistry tests as potential means of future diagnostic tests Provides an overview of the current methodology and controversies in the concept of target lipid levels, paying particular attention to the role of clinical chemistry in helping to implement population health targets

A practical approach to the field of androgen excess or deprivation in women's health. The content includes multiple viewpoints on the most common disorders in this class, such as polycystic ovary disease, hirsutism and menopausal issues. Each chapter provides a combination of long-lasting clinical principles in the diagnosis and management of these patients along with a state-of-the-art review. This text takes an innovative approach to uncommon conditions (such as congenital adrenal hyperplasia, transgender conditions). In addition to presenting clinical insights, and a review of the basic science underpinning these conditions, it focuses on key concepts that can be derived from these rare conditions to the entire field. This book is an essential addition to the library for any busy clinician who is looking for a practical reference guide but also for the sub-specialist who is looking for new and thought-provoking insights in this complex scientific area.

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.

Netter's Advanced Head & Neck Anatomy Flash Cards are the perfect portable study tool for quizzing yourself on key anatomic structures and clinical conditions of the head and neck. They accentuate the clinically relevant anatomy through beautiful Netter illustrations and new artwork in the Netter tradition, making for a fast and fun review at any stage of your healthcare career. Cards are cross-referenced to the parent text, Netter's Head and Neck Anatomy for Dentistry, 3rd Edition, and include much of the new art from the textbook. Beautiful, well-known Netter illustrations accentuate the clinically relevant anatomy. Includes additional Imaging, New Art, and Clinical Correlate cards. Perfect for quick, portable study for head and neck and dental anatomy courses. Allow you to quiz yourself on key anatomy terms and test your knowledge of classic presentations of disease.

Now celebrating its 40th anniversary, Yen & Jaffe's Reproductive Endocrinology, 8th Edition, by Drs. Jerome F. Strauss III, Robert L. Barbieri, and Antonio R. Gargiulo, keeps you up to date with the latest information on the diagnosis and management of the full range of female and male reproductive disorders. This cornerstone text thoroughly covers both basic science and clinical practice, making it a one-stop reference for all reproductive issues, including impaired fertility, infertility, recurrent pregnancy loss, problems of sexual development, menstrual disturbances, fibroids, endometriosis, female and male reproductive aging, fertility preservation, assisted reproduction technologies including ovarian stimulation and ovulation induction, transgender hormonal treatment, and contraception. Every chapter has been completely revised and updated to reflect important changes in this fast-moving field. Provides the knowledge and expertise of global experts who draw on the latest developments in the field to keep you abreast of current science and practice in endocrinology. Coverage includes molecular, cellular, and genetic concepts and their relevance to pathophysiology, diagnosis, and therapy. Features new bulleted lists under major headings in each chapter for quick, at-a-glance summaries of every section.

Yen & Jaffe's Reproductive Endocrinology helps you successfully diagnose and manage the spectrum of female and male reproductive system diseases, from impaired fertility, infertility, and recurrent pregnancy loss through problems of sexual development, puberty, menstrual disturbances, fibroids, endometriosis, and reproductive aging. This trusted endocrinology reference book is ideal for studying or as a quick reference when making daily diagnostic and therapeutic decisions, ensuring it's just the resource you need to offer your patients the best possible care. Apply the latest reproductive endocrinology advances in basic and clinical science, including molecular, cellular, and genetic concepts, and grasp their relevance to pathophysiology, diagnosis, and therapy. Maximize fertility in women and men undergoing chemotherapy and other cancer treatments, and counsel patients on environmental factors affecting reproduction. Stay on top of recent developments including the impact of obesity on fertility; ovarian tissue banking; cryopreservation; pre-implantation genetic diagnosis; ovulation induction; and risks and treatments for steroid hormone-responsive cancers. View basic anatomic structures, endocrine processes, and cell function and dysfunction

with absolute clarity through full-color illustrations and new images throughout. Confidently perform procedures through expanded coverage of reproductive and infertility surgery. Apply the latest reproductive endocrinology advances in basic and clinical science, including molecular, cellular, and genetic concepts, and grasp their relevance to pathophysiology, diagnosis, and therapy. Maximize fertility in women and men undergoing chemotherapy and other cancer treatments, and counsel patients on environmental factors affecting reproduction. Stay on top of recent developments including the impact of obesity on fertility; ovarian tissue banking; cryopreservation; pre-implantation genetic diagnosis; ovulation induction; and risks and treatments for steroid hormone-responsive cancers. View basic anatomic structures, endocrine processes, and cell function and dysfunction with absolute clarity through full-color illustrations and new images throughout.

Yen & Jaffe's Reproductive Endocrinology Physiology, Pathophysiology, and Clinical Management Saunders W.B.

Te Linde's Operative Gynecology, Twelfth Edition, remains your authoritative resource on the comprehensive perioperative care of gynecologic patients. New features in this edition include a primer on anesthesia, a chapter on positioning for pelvic surgery, a practical review of pediatric gynecology, and a section on the use of surgical instruments. All chapters have been updated to reflect contemporary gynecologic practice and the latest minimally invasive surgical approaches. New illustrations are included and each chapter includes step-by-step descriptions of surgical techniques. Today's best surgeons and teachers offer a readable, intuitive, and concise reference for trainees as well as the experienced gynecologist.

Fully updated and revised, the second edition of An Atlas of Gynecologic Oncology presents a full description of the investigative and surgical procedures carried out by the gynecologic oncologist. Key features of this important text include: a practical guide to a range of operative and investigative procedures contr

This innovative, introductory text is authored by key subject leaders in clinical neuroendocrinology with decades of research and teaching experience. Addressing the need for a concise description of human neuroendocrine systems, this important review of various significant basic science advances is relevant for all levels of experience. An indispensable resource for a variety of learners, this book will also enable biomedical science graduate students to extend their knowledge using its valuable clinical context. Beautifully illustrated, this text integrates basic scientific principles with clinical cases and includes several illustrated imaging studies, and in-depth discussions of basic principles and their interpretations. Extensive reference lists of clinical papers, teaching resources and a selection of review questions are included with each chapter, emphasizing the real-life importance of basic neuroendocrine principles in human health and disease. Clinical reviews are included to provide convenient links to more specialized texts, ensuring a successful springboard for learners worldwide.

Written with the busy practice in mind, this book delivers clinically focused, evidence-based gynecology guidance in a quick-reference format. It explores etiology, screening, tests, diagnosis, and treatment for a full range of gynecologic health issues. The coverage includes the full range of gynecologic malignancies, reproductive endocrinology and infertility, infectious diseases, urogynecologic problems, gynecologic concerns in children and adolescents, and surgical

interventions including minimally invasive surgical procedures. Information is easy to find and absorb owing to the extensive use of full-color diagrams, algorithms, and illustrations. The new edition has been expanded to include aspects of gynecology important in international and resource-poor settings.

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.

Yen Jaffe's Reproductive Endocrinology helps you successfully diagnose and manage the spectrum of female and male reproductive system diseases, from impaired fertility, infertility, and recurrent pregnancy loss through problems of sexual development, puberty, menstrual disturbances, fibroids, endometriosis, and reproductive aging. This trusted endocrinology reference book is ideal for fellows, endocrinologists, or as a quick reference when making daily diagnostic and therapeutic decisions. It is just the resource you need to offer your patients the best possible reproductive care. "This new edition helps the reader to stay on top of recent developments. It is a must for subspecialists in reproductive medicine and a valuable source of information in the library of any department and clinical unit involved in reproductive medicine." Reviewed by *Acta Obstetrica et Gynecologica Scandinavica* February 2015 "It is a must for subspecialists in reproductive medicine and a valuable source of information in the library of any department and clinical unit involved in reproductive medicine." Reviewed by *Acta Obstetrica et Gynecologica Scandinavica* , March 2015 Get unmatched guidance you can trust, such as fresh insights into today's field and future advances, through the knowledge gleaned from worldwide fertility experts in reproductive medicine. Further your study of Reproductive Endocrinology with a list of suggested readings at the end of each chapter. Conveniently access the fully searchable text and view all of the images online at Expert Consult. Apply the latest reproductive endocrinology advances in basic and clinical science, including molecular, cellular, and genetic concepts, and grasp their relevance to pathophysiology, diagnosis, and therapy. Maximize fertility in women and men undergoing chemotherapy and other cancer treatments, and counsel patients on

environmental factors affecting reproduction. Stay on top of recent developments including the impact of obesity on fertility; ovarian tissue banking; cryopreservation; pre-implantation genetic diagnosis; ovulation induction; and risks and treatments for steroid hormone-responsive cancers. View basic anatomic structures, endocrine processes, and cell function and dysfunction with absolute clarity through full-color illustrations and new images throughout. Confidently perform procedures through expanded coverage of reproductive and infertility surgery and online videos demonstrating key techniques.

First published in 1943, *Vitamins and Hormones* is the longest-running serial published by Academic Press. The Editorial Board now reflects expertise in the field of hormone action, vitamin action, X-ray crystal structure, physiology, and enzyme mechanisms. Under the capable and qualified editorial leadership of Dr. Gerald Litwack, *Vitamins and Hormones* continues to publish cutting-edge reviews of interest to endocrinologists, biochemists, nutritionists, pharmacologists, cell biologists, and molecular biologists. Others interested in the structure and function of biologically active molecules like hormones and vitamins will, as always, turn to this series for comprehensive reviews by leading contributors to this and related disciplines. This volume focuses on activins and inhibins.

Thoroughly revised and now enhanced with color artwork, this new edition offers the latest information on the diagnosis and management of reproductive endocrine disorders. As an Expert Consult title, it includes convenient online access to the complete text of the book along with all of the images and references linked to Medline.

This comprehensive atlas of tracings of polysomnographic studies covers the technical aspects of conducting studies, and includes the features of the various adult and pediatric sleep disorders. Comprehensive and contemporary atlas Discusses the significance of findings and their correlation with the clinical presentation of the patient Authoritative and well-organized With 61 contributors

It has been over 50 years since Hans Selye formulated his concept of stress. This came after the isolation of epinephrine and norepinephrine and after the sympathetic system was associated with Walter Cannon's "fight or flight" response. The intervening years have witnessed a number of discoveries that have furthered our understanding of the mechanisms of the stress response. The isolation, identification and manufacture of glucocorticoids, the identification and synthesis of ACTH and vasopressin, and the demonstration of hypothalamic regulation of ACTH secretion were pivotal discoveries. The recent identification and synthesis of CRH by Willie Vale and his colleagues gave new impetus to stress research. Several new concepts of stress have developed as a result of advances in bench research. These include the concept of an integrated "stress system", the realization that there are bi-directional effects between stress and the immune system, the suggestion that a number of common psychiatric disorders represent dysregulation of systems responding to stress,

and the epidemiologic association of stress with the major scourges of humanity.

One of the world's most widely read gynecology texts for nearly 50 years, Speroff's Clinical Gynecologic Endocrinology and Infertility provides a complete explanation of the female endocrine system and offers practical guidance for evaluation and treatment of common disorders. In this fully revised ninth edition, the editorial and author team from Yale School of Medicine have assumed the reins of Dr. Speroff's landmark work, retaining the clear, concise writing style and illustrations that clarify and explain complex concepts. This classic text remains indispensable for students, residents, and clinicians working in reproductive endocrinology and infertility, bringing readers up to date with recent advances that have occurred in this fast-changing field.

Covers the full spectrum of reproductive pathophysiology and disorders, from pregnancy and birth to reproductive aging
Offers a new section on reproductive technologies that emphasizes the advancements in reproductive technology, including in vitro fertilization, intracytoplasmic sperm injection, genetic techniques that are applied to gametes and embryos, new approaches to using recombinant gonadotropins to induce ovulation, and endocrinology of aging in females and males. Discusses hot topics such as the treatment of andrology, gamete biology relevant to assisted reproductive technology, the endocrinology of aging, and hormones and cancer.

This valuable new addition to the Encyclopaedia of Sports Medicine series provides a comprehensive and logical look at the principles and mechanisms of endocrinology as related to sports and exercise. It looks at growth hormone factors involved in exercise and the endocrinology of sport competition. It considers various factors and stresses on the body that may alter sporting performance. It covers topics from the acute responses and chronic adaptations of the human endocrine system to the muscular activity involved in conditioning exercise, physical labor, and sport activities. This book is an essential reference for helping to plan better programs of physical fitness, to prepare for sports competitions, and to manage the medical care of athletes.

Offers information on reproductive medicine. This handbook includes tables, figures and flowcharts.

The publication of this volume at this time appears particularly auspicious. Biological, psychological, and social change is greater during the pubertal years than at any other period since infancy. While the past two decades have witnessed a virtual explosion of productive research on the first years of life, until recently research on adolescence, and particularly on puberty and early adolescence, has lagged substantially behind. This book provides encouraging evidence that things are changing for the better. Considered separately, the individual chapters in this book include important contributions to our growing knowledge of the biological mechanisms involved in pubertal onset and subsequent changes, as well as of the psychological and social aspects of these changes, both as consequences and determinants. In this regard, the

book clearly benefits from the breadth of disciplines represented by the contributors, including developmental endocrinology, adolescent medicine, pediatrics, psychology, and sociology, among others.

This volume is a collection of findings on the role of body fat in reproductive performance. Specific areas covered are: neuropeptides and other factors regulating hypothalamic function, food intake, growth factors, evolution of research methods, maternal and foetal nutrition, and diseases.

Spermatogenesis involves the coordination of a number of signaling pathways, which culminate into production of sperm. Its failure results in male factor infertility, which can be due to hormonal, environmental, genetic or other unknown factors. This book includes chapters on most of the signaling pathways known to contribute to spermatogenesis. Latest research in germ cell signaling like the role of small RNAs in spermatogenesis is also discussed. This book aims to serve as a reference for both clinicians and researchers, explaining possible causes of infertility and exploring various treatment methods for management through the basic understanding of the role of molecular signaling. Key Features Discusses the signaling pathways that contribute to successful spermatogenesis Covers comprehensive information about Spermatogenesis at one place Explores the vital aspects of male fertility and infertility Explains the epigenetic regulation of germ cell development and fertility Highlights the translational opportunities in molecular signaling in testis

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