CUSHINGS SYNDROME PATHOPHYSIOLOGY DIAGNOSIS AND TREATMENT CONTEMPORARY ENDOCRINOLOGY READ ONLY

Cushing's Syndrome

Cushing ?s syndrome is a relatively rare clinical disorder that is associated with many co-morbidities such as systemic hypertension, diabetes, osteoporosis, impaired immune function and growth impairment in children, all of which severely reduce quality of life and life expectancy. Cushing’s Syndrome: Pathophysiology, Diagnosis and Treatment reviews the difficulties in distinguishing Cushing’s syndrome from these and other common conditions, such as central obesity, menstrual irregularity and depression. It also provides state-of-the-art information on various strategies to establish the diagnosis of Cushing’s syndrome and the differential diagnosis among its diverse etiologies, as well as therapeutic approaches. Additionally, a range of conditions that represent challenges for the diagnosis and treatment--such as renal failure, pediatric age, cyclic hypercortisolism, and pregnancy--are covered in detail. A valuable resource not only for endocrinologists but also internal medicine physicians, gynecologists, pediatricians, , pituitary surgeons and urologists, Cushing’s Syndrome: Pathophysiology, Diagnosis and Treatment provides insights by experts that will help all physicians dealing with Cushing ?s syndrome to expand their knowledge about the condition and provide targeted, comprehensive care.

Handbook of Diagnostic Endocrinology

Experienced physicians concisely explain the pathophysiology and clinical manifestations of endocrine disorders and survey all the latest laboratory diagnostics. Topics range widely from an overview of the diagnosis of diabetes and the long-term monitoring of its complications to the evaluation of menstrual dysfunction. Coverage is also given to the diagnosis of pituitary tumors, Cushing's syndrome, thyroid disease, and hypoglycemia; the evaluation of endocrine-induced hypertension; the assessment of dyslipidemia and obesity; and approaches to diagnosing hyper- and hypocalcemia. There are also discussions of osteoporosis, hypogonadism and erectile dysfunction, and hyperandrogenism in women. The authors each review the complex physiological basis of the relevant endocrine processes and provide richly instructive recommendations for followup and long-term management of patients.

Early Diagnosis and Treatment of Endocrine Disorders

Most endocrine diseases can be treated successfully, and the patient's state of well-being can usually be improved. Not surprisingly, the earlier the diagnosis is made the more positive the clinical response. Early Diagnosis and Treatment (~f Endocrine Disorders focuses on early signs and symptoms of endocrine disorders and surveys the appropriate tests to document the diseases as well as current recommendations for therapy. Each chapterreviews the pathophysiology of the endocrine disease-important for understanding each disorder as well as the rationale for early therapy-and the basis for the early recognition and treatment of each condition. Although the practicing endocrinologist is likely to be quite knowledgeable regarding many of these diseases, Early Diagnosis and Treatment of Endocrine Disorders includes treatment of those conditions only recently classified as endocrine disorders, such as polycystic ovarian syndrome, obesity, and

hypogonadism. The book also provides new approaches that are urgently needed to slow the epidemic of type 2 diabetes, which should be an overriding concern for all clinicians. Until now, no other endocrinology text has focused primarily on the details of early recognition and therapy of endocrine disorders. The information in Early Diagnosis and Treatment of Endocrine Disorders is presented in an orderly and easy-to-follow manner, which should greatly facilitate the early recognition of endocrine diseases by medical students, house staff, primary care physicians, and endocrinologists, the four groups of clinical personnel to which this book is specificall y directed.

Cushing’s Syndrome

Cushing's Syndrome provides the reader with an update on the clinical presentation, diagnosis, and treatment of patients with Cushing's syndrome. Molecular mechanisms of pituitary and adrenal causes of Cushing's syndrome are reviewed in detail. Successful diagnostic and treatment strategies that have been employed by readers in the field are recommended and discussed. Numerous advances in the pathophysiology and diagnosis of Cushing's syndrome speak to the timeliness of this volume that has been penned by experts in the field.

Adrenal Disorders

This practical resource provides the latest evidence, management strategies and recommendations for the treatment of disorders of the adrenal glands, including related physiology, genetics and pharmacology. This book is divided into three thematic sections. The first covers adrenal physiology, presenting adrenal zonation and development, the regulation of steroidogenesis, and the pharmacology of glucocortisoids. Part two discusses the genetics and pathophysiology of a number of adrenal disorders, including autoimmune Addison’s disease, congenital adrenal hyperplasia, primary aldosteronism, adrenocortical tumors and hyperplasias, and pheochromocytomas and paragangliomas. The final section presents the latest diagnostic and management strategies for these disorders, addressing adrenal insufficiency, adrenal Cushing’s Syndrome and aldosteronism, among others. Over the past twenty years, our understanding of disorders of the adrenal glands has been altered and deepened. Providing a much-needed update to the literature, Adrenal Disorders: Physiology, Pathophysiology and Treatment will be an important resource for both academic and clinical endocrinologists working with the adrenal glands and managing patients with adrenal disorders.

Cushing’s Syndrome

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Adrenal Disorders

In Adrenal Disorders, a panel of distinguished physicians and researchers select the most relevant new findings and integrate them into the existing body of clinical knowledge on adrenal pathologies. The book includes important reviews of disturbances in cortisol homeostasis, and new concepts regarding adrenal tumors and hereditary adrenal diseases. Also discussed are mineralocorticoids and the syndromes of mineralocortoid excess and aldosterone synthase deficiency. Authoritative and insightful, Adrenal Disorders provides physicians and scientists with a comprehensive, state-of-the-art practical guide to the devastating diseases of the adrenals that are so often difficult to diagnose and treat.

Cushing's Disease

In Cushing’s Disease, leading authorities in the field offer a thorough review of the pathogenesis, diagnostic algorithm and treatment options for this complex disease. Beginning with a fascinating history of Cushing's disease that outlines its historical significance to both endocrinology and neurosurgery, the book goes onto to cover the full range of important issues, including the molecular pathogenesis of Cushing’s, anatomic pathology, the diagnosis of Cushing's syndrome, the differential of pseudo-Cushing's syndromes, hypercortisolemia, surgical removal of the corticotroph adenoma, post-operative management and assessment of remission, radiotherapeutic options, and the exciting developments in medical therapy. In addition, the book also addresses Cushing's disease in the pediatric population, given that its clinical manifestations and impact on growth can be severe; silent corticotroph adenomas as a distinct clinical entity; diagnosis and management of Cushing's disease during pregnancy, bilateral adrenalectomy, and, finally, the long-term psychological manifestations of hypercortisolemia. Comprehensive and an invaluable addition the literature, Cushing’s Disease is an essential reference for enhancing diagnosis and treatment of this debilitating disorder.

Pituitary Disorders of Childhood

This unique book presents an up-to-date discussion of clinical disorders of the pituitary gland in children with specific emphasis on state-of-the-art diagnostic and treatment modalities, highlighting the newest scientific advances in genomics and molecular biology that clinician-scientists caring for children need to know. Chapters focus on the current knowledge base in genomics, pathophysiology, diagnosis, and medical and surgical management, organized into thematic sections. Part I discusses embryologic and genetic disorders, including genomics and congenital disorders of the pituitary. Part II presents acquired pituitary disorders, such as prolactinomas, Cushing's Disease, and both hormone secreting and non-secreting pituitary tumors. Subsequent sections cover posterior pituitary disorders, such as diabetes insipidus, functional hormone deficiencies of the hypothalamic-pituitary axis, including delayed puberty and pubertal disorders and growth hormone disorders, neuro-opthalmic disease, CNS radiation, childhood cancer treatment and traumatic brain injury. Authoritative and comprehensive, Pituitary Disorders of Childhood will serve as a precise guide for clinical endocrinologists and will guide future investigation into translational and clinical research on the pediatric pituitary.

Basic & Clinical Endocrinology

Authoritative, concise, and current, this bestselling reference in endocrinology--and \"all-in-one\" text--focuses on the pathophysiology, diagnosis, and treatment of endocrine disorders. Written by recognized authorities and featuring more than 350 two-color illustrations, this edition has been updated to reflect the latest in diagnostic testing and molecular biology as well as new approaches to medical management.

NIH state-of-the-science statement on management of the clinically inapparent adrenal mass (incidentaloma).

This issue of Endocrinology Clinics covers essential updates in a range of common endocrine disorders that are of special concern during pregnancy, as well as endocrine problems that can arise due to pregnancy. A variety of thyroid, pituitary, adrenal, and hypertensive disorders are covered, as well as calcium and bone metabolism disorders during pregnancy and lactation. Diagnosis and treatment of gestational diabetes, and pregestational diabetes are addressed. Iodine disorders in pregnancy and lactation are covered. Hyperprolactinemia and infertility are also addressed. Special concerns of obesity in women with reproductive dysfunction are considered. An in-depth guide to achieving a successful pregnancy with PCOS is provided

Endocrine Disorders During Pregnancy, An Issue of Endocrinology and Metabolism Clinics of North America, E-Book

Several genetic, biochemical and radiologic discoveries have impacted the management of endocrine hypertension, while surgical procedures have revolutionized treatment of patients with endocrine hypertension. This text contains the proceedings of a 2001 workshop on the topic.

Endocrine Hypertension

This thesis focuses on clinical and epidemiological aspects of aggressive pituitary tumours/carcinomas and Cushing's disease. Pituitary carcinomas account for only 0.1-0.2% of the tumours originating from the anterior pituitary gland and are defined solely by the event of distant metastases, whereas aggressive pituitary tumours are defined by their clinical behaviour of rapid/progressive growth despite optimal treatment with surgery, radiotherapy and medical agents. The prognosis for individuals with aggressive tumours/carcinomas has been poor with few treatment options. However, case reports indicated better outcomes after treatment with the alkylating agent temozolomide. In study I and III, we investigated 24 patients (16 aggressive tumours and 8 carcinomas) given treatment with temozolomide. We found an initial response rate (tumour regression ?30%) in 10/21 evaluable patients, with complete regression in two carcinomas. Favourable response was associated with low tumour expression of the DNA repair protein MGMT; in responders median 9% (range 5-20%) vs non-responders median 93% (50-100%). Our results also indicated a longer survival in patients with low MGMT. Out of 11 patients with MGMT \u003e10%, nine died with an estimated median survival of 26 months (95% CI 14-38), whereas only 1/6 patients with lower MGMT died from tumour progression during a follow-up of median 83 months (range 12-161). One of the patients in study I and III had a corticotroph pituitary carcinoma and in addition, Lynch syndrome (LS), a hereditary cancer-predisposing syndrome caused by germline mutations in DNA mismatch repair (MMR) genes and primarily associated with colon and endometrial carcinomas. In study II, we investigated the characteristics of the pituitary carcinoma and found loss of MSH2 and MSH6 protein expression, consistent with the patient's germline mutation in MSH2. This was the first published case of a pituitary tumour associated with LS. In addition, we identified all known Swedish patients with LS (n=910) and searched for diagnostic codes consistent with a pituitary tumour in the Swedish national patient register. We found in total three patients with clinically relevant pituitary tumours, the reported prevalence in the background population is around 1:1000. The last two studies in the thesis focused on Cushing's disease (CD), i.e. an ACTH-secreting pituitary tumour resulting in excess levels of cortisol. CD is associated with multiple comorbidities and increased mortality. The reversibility of comorbidities and mortality risk after remission of cortisol levels have been under debate. Study IV examined psychiatric consequences of CD, measured by the use of psychotropic drugs. 179 patients with CD and a quadrupled matched control group were followed from diagnosis and at 5- and 10-year follow-up. We found that use of antidepressants remained at around 25% of patients with CD, regardless of remission status, at diagnosis and follow-up, whereas drugs for somatic comorbidities decreased. Use of antidepressants, sleeping pills and anxiolytics was higher in patients with CD compared to controls at diagnosis and 5-year follow-up. A cross-sectional analysis of 76 patients in sustained biochemical remission for median 9.3 years showed that 25% were taking antidepressants, a significantly higher use than controls, OR 2.0 (95% CI 1.1-3.8). In addition, patients with CD had a higher use of psychotropic drugs, already in the 5-year period before diagnosis. Study V investigated mortality and causes of death in 371 patients with CD, compared to a quadrupled matched control group. Follow-up was median 10.6 years (IQR 5.7-18.2) after time of diagnosis. Overall mortality was increased in patients with CD, HR 2.1 (95% CI 1.5-2.8) and remained elevated for patients in remission at last follow-up (n=303), HR 1.5 (1.02-2.2). For patients not in remission (n=31), HR was 5.6 (2.7-11.6). Cardiovascular diseases (32/66) and infections (12/66) were overrepresented causes of death in patients with CD. Main conclusions of the thesis: Temozolomide improves outcome in patients with aggressive pituitary tumours/carcinomas and a low MGMT expression in the tumour predicts a favourable outcome. As additional therapies evolve, MGMT may help to tailor the treatment.Germline mutations in MMR genes may contribute to the development and clinical course of pituitary tumours and may be a novel cause of hereditary pituitary tumours.Patients with

Cushing’s disease have a high use of psychotropic drugs that remains elevated despite achievement of biochemical remission, suggesting persisting negative effects on mental health and highlighting the need for long-term monitoring of psychiatric symptoms. In addition, psychiatric symptoms may be early and important signs of CD.Efforts to achieve biochemical remission are crucial to reduce mortality in CD. However, patients in remission still have an increased mortality compared to controls. This underscores the need for life-long monitoring and treatment of associated comorbidities in patients with CD.

Cushing’s disease and aggressive pituitary tumours

The hypothalamic-pituitary-adrenal axis controls reactions to stress and regulates various body processes such as digestion, the immune system, mood and sexuality, and energy usage. This volume focuses on the role it plays in the immune system and provides substantive experimental and clinical data to support current understanding in the field, and potential applications of this knowledge in the treatment of disease. * Evidence presented in this book suggests that the nervous, endocrine, and immune systems form the Neuroendoimmune Supersystem, which integrates all the biological functions of higher organisms both in health and disease for their entire life cycle. * Contributors include both the scientists who initiated the work on the HPA axis and on the autonomic nervous system, and those who joined the field later.

Diabetes Mellitus in Children

Presents a multidisciplinary approach to diagnosing and managing ovarian disorders, with the latest, most innovative scientific and clinical developments.

The Hypothalamus-Pituitary-Adrenal Axis

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 tre- ing the infertility of the PCOS has been validated. Risks for diabetes and, more cont- versially, 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.

Altchek's Diagnosis and Management of Ovarian Disorders

Epidemiology of Endocrine Tumors brings current data and clinical research into one source for a multidisciplinary audience. The book discusses the prevalence, incidence, etiology, pathology, diagnosis and treatment of various endocrine tumors. With clear and focused writing, it is essential reading for healthcare professionals, endocrinologists, oncologists, and public health professionals. Users will be able to bridge the knowledge gap that exists in the comprehensive coverage surrounding the epidemiology of endocrine tumors. Globally, the prevalence and incidence of endocrine tumors is high. This audience needs a treatise where they can gain a broad overview of endocrine tumors with a focus on epidemiology. Supplies information about the epidemiology of various endocrine tumors, both benign and malignant, to endocrinologists, oncologists and

related health care professionals Focuses on the impact upon costs and patient deaths due to complications of these tumors Describes how endocrine tumors affect various age groups and ethnicities, discussing the prevention of endocrine tumors Presents chapters on Cancer Problem, Specific Endocrine Tumors, Prevention, Detection and Diagnosis, and Treatment of Endocrine Tumors Provides review questions with an answer key and detailed glossary

Androgen Excess Disorders in Women

The second edition of Endocrine Surgery is a comprehensive update of the previous edition published in 2003. Edited by three leading authorities in the field of surgical endocrinology, the book encompasses the clinical, imaging, nuclear, molecular, technological and evidence-based principles that are applied in the diagnosis and treatment of all categories of endocrine tumors. Authored by experts from across the globe, this textbook reflects the best international clinical practice and also provides an outstanding educational resource. With full color illustrations throughout, the new edition emphasizes contemporary approaches in successive stages including: pituitary endocrine tumors; pathology and pathophysiology of pulmonary neuroendocrine cells; surgery of endocrine tumors of the lungs and thymus; robotic endocrine surgery; molecular testing of thyroid nodules; pediatric surgery for neuroblastoma and ganglioneuroma; multiple endocrine neoplasia; retroperitoneoscopic adrenalectomy; radionuclide imaging of carcinoid tumors, pancreas and adrenals; serotonin-induced cardiac valvular disease and surgical treatment; multimodal management of primary and metastatic neuroendocrine tumors; pathophysiology and surgery of Type II diabetes; post-bariatric surgery hyperinsulinemic hypoglycemia; and surgical management of metabolic syndrome. Endocrine Surgery 2e provides the clinician with a definitive resource to reach curative outcomes in the treatment of patients with endocrine pituitary, thyroid, and parathyroid entities. Further coverage of broncho-pulmonary, adrenal, pancreatic, and intestinal neoplasia is also included, making this the definitive textbook on the subject. Demetrius Pertsemlidis, MD FACS The Bradley H. Jack Professor of Surgery, Icahn School of Medicine at Mount Sinai, New York, USA William B. Inabnet III, MD FACS Professor of Surgery and Chief, Division of Metabolic, Endocrine and Minimally Invasive Surgery, Icahn School of Medicine at Mount Sinai, New York, USA Michel Gagner, M.D. FRCSC, FACS, FASMBS Clinical Professor of surgery, Herbert Wertheim School of Medicine, Florida International University, Miami, FL and Senior consultant, Hôpital du Sacre Coeur, Montreal, Quebec, Canada Print Versions of this book also include access to the ebook version.

Epidemiology of Endocrine Tumors

This book is aimed at primary care providers who care for the pediatric age group (general pediatrician, the PCP working with pediatric patients, and family medicine providers) with the goal of covering the endocrine differential diagnosis of common signs and symptoms of possible endocrine disease as well as appropriate initial laboratory evaluation and interpretation. While multiple pediatric endocrine textbooks exist, most of them are heavy in coverage of physiology and rare diseases, with less discussion of practical steps in evaluation and diagnosis. This book distinguishes itself through a very practical approach. The first section is organized by presenting signs and symptoms, the second section is organized by laboratory interpretation, and the third section provides summaries of common pediatric endocrine disorders. Chapters are concise, providing critical clinical information including clinical pearls, common diagnoses and important points in patient counseling. Written by experts in the field, Endocrine Conditions in Pediatrics is a valuable resource that provides general pediatricians and other primary care providers with all of the information they need to provide superb patient care before transferring to a pediatric endocrinologist when necessary.

Endocrine Surgery

Now in its second edition, the Oxford Textbook of Endocrinology and Diabetes is a fully comprehensive, evidence-based, and highly-valued reference work combining basic science with clinical guidance, and providing first rate advice on diagnosis and treatment.

Endocrine Conditions in Pediatrics

This book is designed to present a comprehensive and state-of the-art approach to the management of adrenal neoplasms that provides a resource to the broad group of providers that will encounter such a patient. Sections address issues that are faced by providers who encounter a patient with an adrenal neoplasm. These areas include an overview of the genetic basis and familial cancer syndrome-associated with adrenal neoplasms, pathobiology, advanced and tumor specific imaging approaches and technologies, biochemical analysis, standard medical and surgical therapies, and emerging technology and treatment approaches to benign and malignant adrenal neoplasms. Written by experts in the field, each of these sections address level of clinical evidence and provide recommendations and treatment algorithms. Extensive illustrations make this an interactive text. Management of Adrenal Masses in Children and Adults will serve as a very useful resource for all providers dealing with, and interested in this common but challenging tumor. It will provide a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts.

Oxford Textbook of Endocrinology and Diabetes

This easy-to use book is intended for General Medicine students, offering them essential support with completing the Endocrinology module. Divided into eight chapters, each of which offers detailed yet easy-to-learn information on a specific endocrine gland, the book is characterized by a uniform chapter structure, and by its comprehensive coverage of the topic, including relevant figures, tables and diagnostic algorithms. Providing definitions, classifications, keywords, tables and other didactical elements such as key messages and suggestions for further reading, this practical guide is a must-read for all medical students.

Management of Adrenal Masses in Children and Adults

This is the third edition of a classic resource of medical psychiatry. It is intended to be read as well as referred to. Its scope is broad, including such topics as herbal and nutritional treatments, management of conflicting second opinions, and adapting the physical examination to the medical psychiatric context.

Introduction to Endocrinology

This book provides case studies accompanied by questions and commentaries for the specialist registrar in diabetes and endocrinology, to assist with problem-based learning during their training. The case studies range from the everyday to the rare and complicated, presenting a strong foundation for the specialist trainee to prepare them for their qualifying exams and, more importantly, for their future clinical consultations.

Psychiatric Care of the Medical Patient

The management of pituitary adenomas and other sellar tumors is one of the most difficult tasks for neurosurgeons and endocrinologists. Optimal treatment requires a multidisciplinary approach; neurological, ophthalmological, and endocrinological tests are all required. Fortunately, the past decade has seen rapid improvements in the management of patients with pituitary adenomas and other sellar tumors. Transsphenoidal surgery has gone from being an innovative approach to pituitary adenomas to having become the standard procedure for a whole variety of sellar and para-sellar lesions. The authors contributing to this book expertly detail the state-of-the-art treatment of patients with pituitary adenomas, covering operative approaches, peri-operative management, surgical pathology as well as the newer extensions such as image guidance and endoscopy. They also identify the complementary roles of radiosurgery and transcranial surgery in the approach to sellar and suprasellar tumors. In addition the text gives a glimpse at what the future may hold for the treatment of such tumors. The present volume of Frontiers of Hormone Research will be of great value for endocrinologists, neurosurgeons, neuropathologists, neuro-ophthalmologists, and

otolaryngologists in the treatment of patients with pituitary adenomas.

Endocrinology and Diabetes

This book aims to present a comprehensive classification of hypertensive phenotypes based on underlying target organ involvement. Particular emphasis is placed on review and assessment of clinical presentation, pathophysiologic mechanisms, and possible specific therapeutic options for each hypertension phenotype. Several of these phenotypes are well known and well described in the literature, such as prehypertension, white coat and masked hypertension, isolated systolic hypertension, renovascular hypertension, endocrine hypertension, pediatric hypertension, and gestational hypertension. Other hypertension phenotypes, however, are not widely recognized, being reported only in special reviews; examples include hypertension associated with renal calculus disease and other rarer causes such as Turner syndrome, herbal and medicinal compounds, and pharmacologic agents. A detailed account of the various causes of monogenic hypertension is also included. Finally, a section is devoted to general aspects of hypertension, including the significance of blood pressure indices, the natural course of untreated and treated hypertension, hypertension mechanisms, genetics, and guidelines for blood pressure control.

Pituitary Surgery

International animal welfare charity The Donkey Sanctuary is launching The Clinical Companion of the Donkey, the revised version of The Professional Handbook of the Donkey, which has been the definitive text for clinicians and professionals working in donkey medicine or surgery for over twenty years. Now in an easy-to-read and easy-to-navigate format over its 360 pages, this updated paperback includes current and extra information in a bid to improve the health and welfare of donkeys worldwide by sharing knowledge and providing further education. Without covering the same ground as other excellent textbooks, The Clinical Companion of the Donkey concentrates on those differences in the equine species that are specific to the donkey. A new chapter on donkey behaviour has been included, as this is fundamental to understanding this unique animal and the presentation of clinical signs and requirements for handling, nursing and treatment. Technical colour illustrations have been included using images from the extensive libraries at The Donkey Sanctuary, as well as those private collections that belong to contributors. This book will also be available as translated versions over the following months. Created with heart and keen intelligence, The Clinical Companion of the Donkey has all the attributes of the animal it aims to aid, and will surely be the textbook of professionals involved with donkeys for years to come.

Disorders of Blood Pressure Regulation

An authoritative account of infertility, covering clinical assessment, management and the delivery and organisation of complex treatments.

The Clinical Companion of the Donkey

This updated second edition of Diagnosis and Management of Ovarian Disorders provides thorough, yet succinct insight into the ever-changing realm of ovarian disorders. It presents a novel multidisciplinary approach to the subject as described by clinicians, surgeons, pathologists, basic scientists and related medical researchers. Topics covered include reproductive technology, early diagnosis of ovarian cancer, and management of menopause among others. The breadth of information provided by this book will appeal to clinicians and researchers involved in the study and treatment of ovarian disorders. KEY FEATURES * Includes updated information on early diagnosis of ovarian cancer * Reviews new diagnostic techniques for ovarian disorders * Discusses latest information on reproductive technology * Presents translational treatment linking laboratory research with clinical medicine

Reproductive Medicine for the MRCOG

A state-of-the-art and concise guide to the clinical management of pediatric endocrine disorders, the second edition of the highly regarded Pediatric Endocrinology: A Practical Clinical Guide covers the most common and challenging conditions seen by practicing endocrinologists and primary care physicians, including growth, hypothalamic, pituitary, adrenal, thyroid, calcium and bone, and reproductive disorders, as well as metabolic syndromes. This expanded second edition includes new topics being seen more commonly in pediatric endocrinology practices related to obesity and type 2 diabetes mellitus and lipid disorders. Each chapter contains an introductory discussion of the problem, a review of the clinical features that characterize it, the criteria needed to establish a diagnosis, and a comprehensive therapy section delineating the risks and benefits of the best therapeutic options available. Invaluable tables summarize the critical factors in etiology, clinical presentation, diagnosis, and therapeutic dosages. Pediatric Endocrinology: A Practical Clinical Guide, Second Edition, is a comprehensive resource for all clinicians concerned with the myriad endocrinologic disorders seen in children and adolescents.

Diagnosis and Management of Ovarian Disorders

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.

Pediatric Endocrinology

Disorders associated with cortisol excess and insufficiency, although rare, deserve the attention of the entire medical community because of high associated morbidity and mortality. Both diagnosis and management of hypo- and hypercortisolism are challenging, and disease presentation, at both clinical and laboratory level is not always definite. New tools are available for non-invasive and early diagnosis, and the choice of treatment should be tailored to each patient to improve quality of life through the regulation of the levels and rhythm of hormonal secretion, while limiting complications associated with the disease and therapies. In this new volume, top experts have contributed chapters on the pathognomonic, epidemiological, clinical, radiological, and laboratory aspects of the various disorders associated with altered cortisol secretion. They also present information on still debated standpoints on management. Cortisol Excess and Insufficiency is a valuable reference book for those wishing to have a reasoned and broad overview of the pathophysiology and management of disorders associated with hypo- and hypercortisolism.

Clinical Gynecology

Paediatrics at a Glance provides an introduction to paediatrics and the problems encountered in child health as they present in primary, community and secondary care, from birth through to adolescence. Thoroughly updated to reflect changes in understanding of childhood illness over the last 5 years, the 4th edition of this best-selling textbook diagrammatically summarises the main differential diagnoses for each presenting symptom, while accompanying text covers important disorders and conditions as well as management information. Paediatrics at a Glance: • Is an accessible, user-friendly guide to the entire paediatric curriculum • Features expanded coverage of psychological issues and ethics in child health • Includes more on advances in genetics, screening and therapy of childhood illness • Contains new videos of procedures and concepts on the companion website • Includes a brand new chapter on Palliative Care - an emerging area in the specialty • Features full colour artwork throughout • Includes a companion website at

www.ataglanceseries.com/paediatrics featuring interactive self-assessment case studies, MCQs, videos of the procedures and concepts covered in the book, and links to online resources Paediatrics at a Glance is the ideal companion for anyone about to start a paediatric attachment or module and will appeal to medical students, junior doctors and GP trainees as well as nursing students and other health professionals.

Cortisol Excess and Insufficiency

In this textbook, leading experts from highly acclaimed institutions describe evidence-based best practice in the management of a wide range of benign and malignant thyroid, parathyroid, adrenal, and neuroendocrine conditions. Detailed attention is devoted to the current role of surgery, including minimally invasive surgery and robotic surgery, in different endocrine disorders. The reader will also learn how best to respond to the problems that may be encountered during endocrine surgical practice. While much of the focus is on surgical aspects, the approach is multidisciplinary, with inclusion of information on recent advances in epidemiology, genetics, cytology, pathology, imaging modalities, and other treatment options. The clear text is complemented by instructive clinical cases as well as numerous high-quality illustrations and tables summarizing key points. This book will be of value for specialists in endocrine medicine and surgery as well as general surgeons with an interest in endocrine surgery.

Paediatrics at a Glance

Male and female reproductive system similarities as well as differences should be taken into consideration by all scientists interested in this field. Some embryological, anatomical, histological, and clinical examples are addressed in this book. The message of the book is to increase orientation of all scientists interested in the field of similar and dissimilar issues in males and females. Reading this book will lead to a better understanding of management of both sexes, and the understanding of infertility that will hopefully reduce the effort, the time, the psychological, and the financial burden of the infertile couple and the society at large.

Evidence-Based Endocrine Surgery

Updated annually with the latest developments in diagnosis and treatment recommendations, Ferri’s Clinical Advisor uses the popular \"5 books in 1\" format to organize vast amounts of information in a clinically relevant, user-friendly manner. This efficient, intuitive format provides quick access to answers on more than 900 common medical conditions, including diseases and disorders, differential diagnoses, and laboratory tests – all updated by experts in key clinical fields. Updated algorithms and current clinical practice guidelines help you keep pace with the speed of modern medicine. Contains significant updates throughout, with more than 500 new figures, tables, and boxes added to this new edition. Features 17 all-new topics including opioid overdose, obesity-Hypoventilation syndrome, acute pelvic pain in women, new-onset seizures, and eosinophilic esophagitis, among many others. Provides current ICD-10 insurance billing codes to help expedite insurance reimbursements. Includes cross-references, outlines, bullets, tables, boxes, and algorithms to help you navigate a wealth of clinical information. Offers access to exclusive online content: more than 90 additional topics; new algorithms, images, and tables; EBM boxes; patient teaching guides, color images, and more.

Testes and Ovaries

Diagnosis and Management of Polycystic Ovary Syndrome is a comprehensive clinical reference work for primary care physicians, internists, general endocrinologists, obstetricians, gynecologists and students. PCOS is a common but frequently misdiagnosed disease. Many symptoms can be alleviated by early intervention and effective management. Prominent endocrinologists are gathered to detail current research and treatment in this metabolic disorder, affecting a growing population. The chapters are comprehensive, providing cutting edge knowledge on pathogenesis, manifestations, diagnosis and treatment of PCOS. Each chapter will be

concise concluding with cogent practice points. The variety of medical issues presenting in PCOS patients result in late referrals or in- appropriate advice. This title will be a tool in a further understanding of the metabolic and genetic basis of PCOS, while providing management strategies.

Ferri's Clinical Advisor 2019 E-Book

Imaging of the adrenal gland has made tremendous progress in the last decade as new technologies continue to evolve. Adrenal Imaging highlights the pertinent clinical and pathological information that underpins the accurate interpretation and use of adrenal imaging. Written by a prestigious group of international contributors, individual chapters in Adrenal Imaging serve as a relevant and up-to-date reference of adrenal imaging findings, algorithms and techniques in CT, MR nuclear medicine, intervention and trauma. Summary sections at the end of each chapter illuminate key teaching points to enhance retention.

Diagnosis and Management of Polycystic Ovary Syndrome

Adrenal Imaging