

Advances In Chronic Kidney Disease 2007 9th International Conference On

From basic science to practical clinical tools, Chronic Kidney Disease, Dialysis, and Transplantation, 4th Edition provides you with the up-to-date, authoritative guidance you need to safely and effectively manage patients with chronic renal disease. Covering all relevant clinical management issues, this companion volume to Brenner and Rector's The Kidney presents the knowledge and expertise of renowned researchers and clinicians in the fields of hemodialysis, peritoneal dialysis, critical care nephrology, and transplantation - for an all-in-one, indispensable guide to every aspect of this fast-changing field. Contains expanded content on economics and outcomes of treatment, as well as acute kidney injury. Covers hot topics such as the genetic causes of chronic kidney disease, ethical challenges and palliative care, and home hemodialysis. Discusses the latest advances in hypertensive kidney disease, vitamin D deficiency, diabetes management, transplantation, and more. Provides a clear visual understanding of complex information with high-quality line drawings, photographs, and diagnostic and treatment algorithms. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

This book highlights recent advances in our understanding of sarcopenia and frailty in CKD. The prevalence of sarcopenia and frailty increases substantially as CKD progresses, and experimental studies have demonstrated the pivotal role of accumulated uremic toxin in the development of muscle wasting. Further, sarcopenia and frailty are associated with falls, bone fractures, cognitive impairment, and poor survival prognoses, especially in elderly CKD patients. The syndromes are also related to the risk of end-stage kidney disease. This book provides readers with a deeper understanding of the prevention and management of sarcopenia and frailty in CKD patients to improve their renal and overall health, and suggests directions for future basic and clinical research.

This expanded and revised companion to Brenner & Rector's The Kidney delivers a new bench to bedside review of the management of patients with end-stage renal disease. Leaders in the field present expert coverage on the physiologic principles and clinical applications of different methods of renal replacement therapy as well as the most recent guidelines from the National Kidney Foundation regarding dialysis. With 4 new section editors, new authors, 50% more content, this new edition constitutes a sweeping revision to this popular text.

Presents the expertise of distinguished researchers and clinicians in the fields of hemodialysis, peritoneal dialysis, critical care nephrology, and transplantation. Provides comprehensive coverage of clinical management issues of chronic kidney disease and dialysis and transplantation. Features illustrations, including diagnostic and treatment algorithms, line drawings, and photographs. Includes a complete list of references in each chapter. Includes two new large sections-Chronic Kidney Disease and Complications of Chronic Kidney Disease, reflecting the latest advances and management options available. Discusses the complications of chronic kidney disease, including medical issues, pediatric patients, inflammation, and other management problems. Presents the basics of CKD, including epidemiology, diabetic kidney disease, and the role of the CKD clinic. Offers a new section, plus new chapters on acute renal failure. Addresses the economics of CKD/ESRD and emerging hemodialysis therapies, such as water therapy. Uses a new 2-color design throughout.

Chronic kidney disease (CKD) is a global health burden with associated high economic costs to the health system. Main factors are the increasing number of patients with diabetes and hypertension and the aging of the population. CKD has been associated with increased risks of cardiovascular morbidity, premature mortality, and/or decreased quality of life. In this new volume, renowned Japanese scientists present their recent research results. Papers cover various aspects of kidney diseases such as cystic kidney diseases, treatment of lupus nephritis, renal anemia and iron metabolism, cell sheet engineering, frailty and outcomes of dialysis patients, and the socioeconomics of rituximab in nephrotic syndrome. Due to the wide range of topics presented, this book will be of interest to readers from various clinical and research settings connected with the care of CKD patients.

Cardiovascular, Respiratory, and Related Disorders

Uremic Toxins

Advances in Chronic Kidney Disease 2007

ScholarlyPaper

Biomarkers of Kidney Disease

Kidney Diseases–Advances in Research and Treatment: 2012 Edition is a ScholarlyBrief™ that delivers timely, authoritative, comprehensive, and specialized information about Kidney Diseases in a concise format. The editors have built Kidney Diseases–Advances in Research and Treatment: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Kidney Diseases in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Kidney Diseases–Advances in Research and Treatment: 2012 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Nutrition in Kidney Disease, Second Edition addresses the relationships between nutrition and (1) normal kidney function and disease, (2) the progressiveness of chronic kidney disease (CKD) and strategies to prevent further compromise, and (3) the treatment and management of kidney failure especially during medical crises, such as acute kidney injury and its consequent nutritional therapies (e.g., enteral and parenteral nutrition). Demographic patterns, trends and outcomes in the current health care systems are explored in the United States and abroad. Disease prevention and management are presented over the entire lifespan, beginning with pregnancy, followed by infancy, childhood, adolescence, and adulthood, concluding with the elder years. Foundations for clinical practice are established by devoting a complete section towards conducting a comprehensive nutritional assessment, comprising of anthropometric, biochemical, clinical, physical parameters and psychosocial concerns unique to the kidney disease population. Nutritional therapy is also discussed across the spectrum of kidney disease, and pertinent aspects critical to successful management of disorders and conditions, such as bone disease, obesity, and nephrotic syndrome are explored. Nutrition in Kidney Disease, Second edition highlights cutting edge research in regards to exercise and functional outcomes, malnutrition and the inflammatory response, experimental therapies, and the use of complementary and alternative medicine, with a special emphasis on relevant preventative strategies. With a mean worldwide prevalence of 13%, chronic kidney disease imposes a massive health burden on our society. In addition to reduced kidney function, patients with chronic kidney disease increasingly suffer from cardiovascular diseases affecting the heart and vasculature. Cardiovascular diseases account for around half of the deaths of patients with advanced chronic kidney disease. However, therapeutic options are highly insufficient. The pathological mechanisms that underlie increased cardiovascular risk in patients with chronic kidney disease remain largely unknown. This Special Issue provides insights into comorbidities in CKD patients, mainly focused on increased cardiovascular risk, and summarizes current knowledge of underlying pathophysiological mechanisms.

Known worldwide, chronic kidney disease (CKD) is a disease that affects up to 4% of the population with increasing figures also in the developing countries. Life expectancy of patients affected by CKD is shortened compared to the overall population, and only a minority of patients reach end-stage renal disease (ESRD) with the need for dialysis or renal transplantation; death overtakes dialysis. In the 13 chapters, this book sheds light on the different aspects related to pathophysiology and clinical aspects of CKD, providing interesting insights into not only inflammation and cardiovascular risk but also the interplay of hormones and the functional aspects of endothelial function. In addition, chapters dealing with genetic aspects of polycystic kidney disease and also the clinical handling of patients with CKD and peritoneal dialysis will be beneficial for the open-minded reader.

16 Tables ; [including Abstracts]

Handbook of Chronic Kidney Disease Management

Renal Function in Acute and Chronic Kidney Diseases

Palliative Care in Nephrology

Comorbidities in Chronic Kidney Disease (CKD)

Advances in Renal Replacement Therapy Research and Application / 2012 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Renal Replacement Therapy in a compact format. The editors have built Advances in Renal Replacement Therapy Research and Application / 2012 Edition on the vast information databases about Renal Replacement Therapy in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Renal Replacement Therapy Research and Application / 2012 Edition has been produced by the world’s leading scientists, engineers, analysts, research institutions, and sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Palliative care has become increasingly important across the spectrum of healthcare, and with it, the need for education and training of a broad range of medical practitioners not previously associated with this field of care. As part of the Integrating Palliative Care series, this volume on palliative care in nephrology guides readers through the core palliative knowledge for seriously ill patients with chronic and end-stage kidney disease. Chapters are written by a team of international leaders in kidney palliative care and are organized into sections exploring unmet supportive care needs, palliative care capacity, patient-centered care, enhanced support at the end of life, and more. Chapter topics are based on the Coalition for Support of 14 evidence-based best practices to improve the delivery of palliative care to patients with kidney disease. An overview of the future of palliative care nephrology with attention to needed policy changes rounds out the text. Palliative Care in Nephrology is an ideal resource for nephrologists, nurses, nurse practitioners, physician assistants, social workers, primary

about integrating individualized, patient-centered palliative care into treatment of their patients with kidney disease. This book provides a complete guide to the evaluation, care, and follow-up of living kidney donors. Living donor kidney transplantation is established as the best treatment option for kidney failure. However, despite the tremendous benefits of living donation to recipients and society, the outcomes and optimal care of donors themselves have received relatively less attention. This book reviews landmark developments in living donor risk assessment, policy and guidance. This volume offers authoritative, evidence-based guidance on the full range of clinical scenarios encountered in the evaluation and care of living kidney donors. The approach to key elements of risk assessment, ethical considerations and informed consent is accompanied by recommendation and advocacy initiatives and policies to remove disincentives to donation and advance a defensible system of practice are also discussed. General and transplant nephrologists, as well as related allied health professionals, can look to this book as a comprehensive resource addressing contemporary clinical topics in the practice of living kidney donation.

This book systemically presents the latest research on renal fibrosis, covering all the major topics in the field, including the possible mechanisms, biomarkers, and strategies for prevention and treatment of chronic kidney disease (CKD). Due to its high prevalence, CKD represents a huge global economic and social burden. Irrespective of the initial causes, CKD progresses to end-stage kidney disease, which is characterized by glomerulosclerosis, tubule atrophy and atresia, and the excessive accumulation of extracellular matrix (ECM) in the kidney. Unfortunately, an estimated 1%-2% of the adult population living with CKD will need renal replacement therapy at some point as a result of ESKD. As such, strategies for preventing or slowing CKD progression are of great importance. To understand the mechanisms of renal fibrosis have been the focus of intensive research. Recently, novel insights into the pathophysiological processes have furthered our understanding of the pathogenesis of renal fibrosis, and more importantly, promoted studies on the early diagnosis and treatment of CKD. This book draws lessons from the extensive, state-of-the-art techniques to offer readers a detailed and comprehensive understanding of renal fibrosis and as well as inspiration for future research directions.

Cancer, Chemotherapy and the Kidney

11th International Conference on Dialysis, Las Vegas, Nev., January 2009. Special Topic Issue: Blood Purification 2009, Vol. 27, No. 1

Outcomes Assessment in End - Stage Kidney Disease - Measurements and Applications in Clinical Practice

Chronic Kidney Disease, Dialysis, and Transplantation

Inflammation and Chronic Kidney Disease: Current Approaches and Recent Advances

With an increase of the population of elderly people in modern society due to advances in medicine and healthcare facilities, there is also an increase in the incidence and duration of chronic illnesses. Similarly, advanced age is considered a significant determinant of depression and poor quality of life. Additionally, the provision of therapies relevant to chronic diseases addresses the issues beyond the concept of cure, bringing to the center the need for a dignified quality of life of patients. An increased interest in quality of life is observed in patients who suffer from chronic diseases, including those with end-stage kidney disease (ESKD). End-stage kidney disease patients have a high burden of disease affecting their quality of life and dramatically shortening their life expectancy. Therefore, exploring quality of life issues among such patients becomes an essential task in the management of this population. This volume is written by researchers with a well-rounded understanding of the characteristics and impact of ESKD and provides a penetrating practical discussion to date of alternative approaches for comprehensively measuring the burden of end-stage kidney disease. Outcomes Assessment in End-Stage Kidney Disease focuses on the impact of this complex and exacting condition on patients and those that care for them. It also examines the economic impact of ESKD and the healthcare policy implications of this disease. It also brings comprehensive and thoughtful insights into the issues confronted by patients with ESKD to readers interested in nursing or medical caregiving, geriatrics and health psychology.

This valuable resource covers inpatient and outpatient approaches to chronic renal disease and renal transplant with clinical practicality. This first section of the book discusses chronic disease under distinct topics, each providing the readers with state-of-the-art information about the disease and its management. It discusses the fresh perspectives on the current state of chronic kidney disease. The text highlights not just the medical aspects but also the psychosocial issues associated with chronic kidney disease. The latest approaches are reviewed through line diagrams that clearly depict recent advances. The second section of the book deals with issues related to transplant. It provides effective and up-to-date insight into caring for your transplant patients.

Chronic Kidney Disease, Dialysis, and Transplantation—a companion to Brenner and Rector's The Kidney—covers all clinical management issues relevant to chronic kidney disease. Drs. Jonathan Himmelfarb and Mohamed Sayegh lead a team of expert contributors to present you with the latest advances in hypertensive kidney disease, vitamin D deficiency, diabetes management, transplantation, and more. Apply the expertise of distinguished researchers and clinicians in the fields of hemodialysis, peritoneal dialysis, critical care nephrology, and transplantation. Manage the full range of issues in chronic kidney disease, dialysis, and transplantation through comprehensive coverage of basic science and clinical tools. Gain clear visual understanding from illustrations, including diagnostic and treatment algorithms, line drawings, and photographs. Better manage your patients with up-to-date coverage on the latest advances in 13 new chapters including Hypertensive Kidney Disease, Vitamin D Deficiency, Diabetes Management, and more. Gain fresh perspectives from a revised editorial team led by Jonathan Himmelfarb—a young leader in the field of acute renal failure—and Mohamed Sayegh—a worldwide expert on kidney transplantation.

Kidney Diseases: Advances in Research and Treatment: 2011 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Kidney Diseases in a compact format. The editors have built Kidney Diseases: Advances in Research and Treatment: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Kidney Diseases in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Kidney Diseases: Advances in Research and Treatment: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Recent Advances in the Pathogenesis and Treatment of Kidney Diseases

Advances in Renal Replacement Therapy Research and Application: 2012 Edition

Living Kidney Donation

Advances in Chronic Kidney Disease 2010

Advances in Chronic Kidney Disease 2009

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This text serves as a convenient one-stop resource on the pathogenesis, diagnosis and treatment of kidney diseases in context of advanced heart failure and presence of ventricular assist devices. Advances in managing heart failure, evidence-based practices and therapies are covered, along with the management of this unique and complex subset of patients. The book also provides insights into combined heart and kidney transplantation. Authored by leaders in nephrology, cardiology and transplantation, this book fills a critical knowledge gap in understanding and treating patients with acute or chronic dysfunction of the heart and kidneys and how one induces dysfunction in the other organ.

Contains expanded content on economics and outcomes of treatment, as well as acute kidney injury. Covers hot topics such as the genetic causes of chronic kidney disease, ethical challenges and palliative care, and home hemodialysis. Discusses the latest advances in hypertensive kidney disease, vitamin D deficiency, diabetes management, transplantation, and more. Provides a clear visual understanding of complex information with high-quality line drawings, photographs, and diagnostic and treatment algorithms.

This case based resource focuses on kidney disease in patients with cancer. Chapters cover the pathophysiology and management of specific kidney diseases in cancer patients, as well as the impact of chemotherapy, toxicity of organ and stem cell transplantation and other

emerging therapies. Filling a significant knowledge gap in this burgeoning field, Onconephrology features the latest evidence and clinical approaches for the beginner or experienced practitioner.

Chronic Kidney Disease, Dialysis, and Transplantation E-Book

A Companion to Brenner and Rector’s The Kidney

Recent Advances in Dialysis Therapy in Japan

A Companion to Brenner and Rector's the Kidney

Renal Fibrosis: Mechanisms and Therapies

Chronic kidney disease (CKD) is a world-wide known disease affecting up to 4% of the population with increasing figures in developing countries. Life expectancy of patients affected by CKD is shortened compared to the overall population and only a minority of patients reach end stage renal disease (ESRD) with the need for dialysis or renal transplantation; death overtakes dialysis. In nine chapters, this book focuses on different aspects related to the pathophysiology and clinical aspects of CKD, providing interesting insights into new and old biomarkers, allowing us to increase diagnostic and prognostic meaningfulness. In addition, chapters deal with new developments in glomerulopathies, but also aspects of the "tubulocentric" shift will be beneficial for the open-minded reader. Nevertheless, new insights into chronic kidney disease (CKD) and acute kidney injury (AKI) are provided.

Biomarkers of Kidney Disease, Second Edition, focuses on the basic and clinical research of biomarkers in common kidney diseases, detailing the characteristics of an ideal biomarker. The latest techniques for biomarker detection, including metabolomics and proteomics are covered in the book. This comprehensive book details the latest advances made in the field of biomarker research and development in kidney diseases. The book is an ideal companion for those interested in biomarker research and development, proteomics and metabolomics, kidney diseases, statistical analysis, transplantation, and preeclampsia. New chapters include biomarkers of cardiovascular disease in patients with CKD, biomarkers of Polycystic Kidney Disease, and biomarkers and the role of nanomedicine. Explores both the practical and conceptual steps performed in the discovery of biomarkers in kidney disease Presents a comprehensive account of newer biomarker discover strategies, such as metabolomics and proteomics, all illustrated by clear examples Offers clear translational presentations by the top basic and clinical researchers in each specific renal disease, including AKI, transplantation, cancer, CKD, PKD, diabetic nephropathy, preeclampsia, and glomerular disease

The volumes in this series are published annually on the occasion of the International Conference on Dialysis organized by the Renal Research Institute, New York, in cooperation with the ISN, ISPD, NKF and RPA. Among the topics discussed in the current issue are recent developments in dialysis, dialysate and vascular access; vasopressin receptor antagonists in heart failure; the interaction between aldosterone and the extracellular fluid volume in CKD; the management of cardiac disease in the dialysis patient; the cardiorenal syndrome; the use of bioimpedance for volume control in CKD; internal filtration hemodialysis; reduction of hepatitis C viral load by extracorporeal therapy; measurement and significance of bacterial DNA in water and dialysate; temporal evolution of events pre-death in dialysis patients; prenatal causes of kidney disease; current approaches to the critically ill; and lipid metabolism in CKD and its practical implications. Identifying relevant controversial issues as well as areas of recent progress with regard to disease processes or treatment, this publication is a helpful reference tool for both clinicians and basic investigators involved in CKD.

The volumes in this series are, published annually on the occasion of the International Conference on Dialysis organized by the Renal Research Institute, New York, in collaboration with the ISN, ISPD, NKF and RPA. This year's meeting emphasized differences in opinion regarding dialysis guidelines, measurement of dialysis dose and the value of observational research. Besides, this volume includes papers on problems inherent in the management of a dialysis center; diabetes and dialysis; new information on topics such as dialysate composition; the role of body composition in dialysis outcome; problems associated with excess or deficiency of vitamin C; application of nanotechnology, or the role of periodontal disease as a cause of problems in dialysis patients. Last but not least, a molecular approach to infection in chronic kidney disease is presented, using detection of bacterial DNA in patients with sepsis. Covering a broad spectrum of topics, this publication is thus a most helpful reference tool for both clinicians and basic investigators involved in hemodialysis.

Kidney Diseases—Advances in Research and Treatment: 2012 Edition

Nutrition in Kidney Disease

Nutritional Management of Renal Disease

Ventricular-Assist Devices and Kidney Disease

Clinical Perspectives

The present book contains the Proceedings of a two day Symposium on Uremic Toxins organized at the University of Ghent in Belgium. A series of guest lectures, free communications and posters have been presented. An international audience of 163 scientists from 16 nationalities listened to and discussed extensively a spectrum of topics brought forward by colleagues and researchers who worked for many years in the field of Uremic Toxins. There is a striking contrast between all the new dialysis strategies available in the work to "clean" the uremic patients and the almost non-progression of our knowledge on uremic toxins in the past decade. In this sense the symposium was felt by all participants as a new start for the research in the biochemical field of the definition of uremia. If the present volume would stimulate new work in this field in order to define uremia, or identify the uremic toxins, the purpose of the organizers would be maximally fulfilled.

The number of dialysis patients, and their ages, continues to increase globally. This creates major issues such as rising medical costs in an aging population, how to best manage end-of-life care, and how to train the various practitioners involved in dialysis care. After the US and China, Japan occupies 3rd place with regard to the number of dialysis patients and is also widely regarded as a world leader in dialysis. This book contains selected articles – organized into 4 chapters – that discuss recent advances in dialysis therapy in Japan. Chapter 1 presents insights into causes, risk factors, disease associations, and possible implications for management of dialysis patients. Chapter 2 examines recent progress in hemodialysis treatment, and chapter 3 focuses on developments in peritoneal dialysis. The final chapter concentrates on recent advances in apheresis and current trends in practice, among other topics. This book is aimed at nephrologists, physicians, urologists, nurses, clinical engineers, pharmacists, and nutritionists. It is a significant contribution to furthering the progress of dialysis therapy worldwide.

The proceedings of the International Conference on Dialysis, organized by the Renal Research Institute, New York, are published annually in BLOOD PURIFICATION. Among the topics discussed in the current volume are the potential of erythropoiesis-stimulating agents for tissue protection; treatment of hypertension in dialysis patients; the potential role of gelsolin in dialysis-related protein-energy wasting; salt restriction in dialysis patients; blood-pressure-independent effects of aldosterone on nonepithelial tissues; improvement of the course of cardiovascular disease by modulating immune response; the potential of intestinal therapeutic interventions to reduce uremic toxin generation and absorption; the 'obesity paradox' in dialysis patients; the significance of endothelial progenitor cells and endothelial vesicles in CKD; the management of calcium balance in chronic dialysis patients; and the role of peripheral ultrafiltration in the management of acute decompensated heart failure. Last but not least, several papers are dedicated to regional citrate anticoagulation as an alternative to systemic heparin anticoagulation. Focusing on recent developments in operational areas, technology, biology of uremia and epidemiology, this publication is a helpful reference tool for both clinicians and basic investigators involved in CKD.

Despite advances in chronic kidney disease (CKD) management strategies patients with CKD often develop oxidative stress and a pro-inflammatory state. Inflammation and oxidant stress play a central role in the onset and progression of renal injury in CKD by inducing the release of cytokines and increasing expression of adhesion molecules, which together contribute to recruitment of more inflammatory cells to the kidney, subsequently promoting a pro-fibrotic milieu. We have demonstrated that cardiotoxic steroids (CTS) are significantly elevated in CKD and are important mediators of inflammation and oxidative stress in this setting. CTS enhance renal inflammation and fibrosis upon binding and signaling through the Na+/K+-ATPase, and chronically elevated levels of CTS also have deleterious effects on the progression of renal and cardiovascular disease. Paraoxonase-1 (PON-1) is a hydrolytic lactonase enzyme which is synthesized by the liver and circulates attached to high density lipoproteins (HDL). Our experimental and clinical data demonstrate an association between diminished lactonase activities of circulating PON and progression of CKD. Yet the underlying renal protective mechanism(s) are largely unknown. We have observed that renal inflammation and fibrosis are significantly increased following renal insult in animal models in which the circulating PON-1 isoform (PON-1) is knocked-out. We have also established that CTS-induced renal inflammation following renal insult is regulated by PON-1. We show that PON-1 modulates the CTS-Na+/K+-ATPase signaling axis and reduces the progression of renal inflammation, and renal impairment following renal insult. Taken together, our data suggest that PON-1 can attenuate the progression of renal inflammation in CKD and that the underlying mechanism involves attenuating the pathogenetic pathways induced by the CTS-Na+/K+-ATPase signaling axis. Our studies have shown for the first time a novel endogenous counter-regulatory mechanism of the CTS-Na+/K+-ATPase signaling activity which can be therapeutically targeted to attenuate inflammation and oxidant stress underlying renal impairment in CKD.

Chronic Kidney Disease

Clinical Practice Guidelines For Chronic Kidney Disease

9th International Conference on Dialysis, Austin, Tex. , January 2007: Special Issue: Blood Purification 2007, Vol. 25

Disease Control Priorities, Third Edition (Volume 5)

Onconephrology

Kidney disease touches nearly 14% of the population. Of the 661,000 Americans at the end stage of chronic kidney disease, 468,000 require dialysis and 193,000 have an effective kidney transplant. Both are miracles and have reshaped an illness once universally fatal into one of expectation and life. (Source: NIDDK) However, Medicare payments for dialysis alone are 34 billion dollars a year; it is among their foremost expenditures. (Source: USRDS). As both a life-saving procedure and a costly enterprise, the management of kidney disease commands the attention of care givers, providers and patients. Our understanding of the nuances of care make a difference, not just in the quality and betterment of the lives of patients, but in reducing the cost burdens we as a society must bear. Within this context, the intent of this book is to anticipate what the practicing nephrologist or internist needs to know when approaching, diagnosing and managing a patient with kidney disease. It is also designed to inspire the reader to seek a deeper understanding of the subject that pertains to the patient being treated. It is also ideal to use as a reference, as it is packed full of knowledge that will be most useful at the point of care. Thus, it is to be kept on the desk or a convenient shelf in a doctor's office, or in the house staff or clinic break room, so that it is easily accessible for everyday use. The book is divided into five sections. The first section, "The Approach to Chronic Kidney Disease", consists of eleven chapters. Each chapter is designed to help the clinician gain perspective in caring for kidney patients, and taken together, will help create the foundation on which to build a well-rounded approach to CKD patients. In the second section, "Major Medical Conditions and Management", an additional eleven chapters each focus on a specific disorder and how it can be best approached. These disorders range from everyday conditions like hypertension and diabetes to those that are rarely seen. The seven chapters of the third section, "Management Principles in CKD", focus on specific conditions and complications that result from an impairment in kidney function. Once a patient has reached the point where renal replacement therapy is necessary, there are several options and modalities that are available. The nine chapters of the next section, "ESRD Replacement Therapy", will discuss modalities and the approaches taken to optimize the patient's quality of life and well-being. The final section, "Innovations and Updates in Kidney Disease", includes two chapters that will give the reader a glimpse of what is on the horizon.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Offering authoritative coverage of all aspects of diagnosing, treating, and preventing the progression of chronic kidney disease (CKD), this highly regarded handbook is an invaluable resource for nephrologists, internists, nurse practitioners, physician assistants, and other healthcare professionals who care for early-stage CKD patients. Incorporating the considerable advances in the field since the previous edition, Handbook of Chronic Kidney Disease Management, 2nd Edition, provides a truly global perspective on managing patients with mild to moderate CKD.

Cardiovascular, respiratory, and related conditions cause more than 40 percent of all deaths globally, and their substantial burden is rising, particularly in low- and middle-income countries (LMICs). Their burden extends well beyond health effects to include significant economic and societal consequences. Most of these conditions are related, share risk factors, and have common control measures at the clinical, population, and policy levels. Lives can be extended and improved when these diseases are prevented, detected, and managed. This volume summarizes current knowledge and presents evidence-based interventions that are effective, cost-effective, and scalable in LMICs.

Nutritional Management of Renal Disease, Fourth Edition, offers in-depth reviews of the metabolic and nutritional disorders prevalent in patients with renal disease and serves as an in-depth reference source concerning nutrition and kidney disease. This classic translational reference provides correct diagnosis - and therefore correct treatment - of renal, metabolic, and nutritional disorders. Nephrologists, diabetologists, endocrinologists, dieticians, and nutritionists depend on a strong understanding of the molecular basis for the disease. This fourth edition includes thorough new case reports, offering expert advice on how to use the latest research and clinical findings in counseling patients about dietary and lifestyle options. Readers gain insight into which treatments, medications, and diets to use based on the history, progression, and genetic make-up of a patient. Includes the latest comprehensive KDOQI clinical practice guidelines for the nutritional management of kidney disease from the National Kidney Foundation and the Academy of Nutrition and Dietetics, covering recommendations for each essential nutrient, as well as for some nonessential nutrients Presents a comprehensive, translational look at all aspects of metabolic and nutritional disorders in one reference Provides a common language for nephrologists, nutritionists, endocrinologists, and other interested physicians to assimilate information and discuss the underlying research and translation of best practices for the nutritional management and prevention of renal disease Saves clinicians and researchers time in quickly accessing the very latest details on nutritional practice as opposed to searching through thousands of journal articles. ~

Best Practices in Evaluation, Care and Follow-up

12th International Conference on Dialysis, New Orleans, La., January 2010. Special Topic Issue: Blood Purification 2010, Vol. 29, No. 2

Advances in Nephropathy

ScholarlyBrief

Regulation of Renal Inflammation in Chronic Kidney Disease

Urologic Diseases—Advances in Research and Treatment: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Urologic Diseases. The editors have built Urologic Diseases—Advances in Research and Treatment: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Urologic Diseases in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Urologic Diseases—Advances in Research and Treatment: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Despite being a "silent epidemic" disease, chronic kidney disease (CKD) is considered one of the major causes of mortality, together with its main complication, the cardiovascular disease, which contributes to the poor prognosis of these patients. Inflammation has been recognized as an essential part of CKD and is closely linked to cardiovascular complications. The identification of novel biomarkers using omics technologies is rapidly advancing and could improve the early detection in renal diseases. Omics approaches, including proteomics, could provide novel insights into disease mechanisms, identifying at the same time accurate inflammatory biomarker panels with an essential role in disease monitoring and follow-up. Recent advances highlight the gut microbiota as an important source of inflammation in kidney diseases. An increasing body of evidence reveals the cross talk between microbiota and host in CKD; in addition, gut dysbiosis may represent an underappreciated cause of inflammation and subsequently could lead to malnutrition, accelerated cardiovascular disease and CKD progression. This chapter discusses the relationship between inflammation and CKD and highlights the novel approaches regarding microbiota involvement in CKD pathology, as well as their potential to facilitate improving the quality of life.

Chronic Kidney Disease and Renal Transplantation

Recent Advances of Sarcopenia and Frailty in CKD

Essentials of Chronic Kidney Disease. Second Edition

Chronic Kidney Diseases - Recent Advances in Clinical and Basic Research

Uremia Therapy