KDIGO Publishes 2021 Blood Pressure in CKD Guideline

The 2021 Clinical Practice Guideline for Blood Pressure (BP) Management in Chronic Kidney Disease (CKD) is now available online and will be published in Supplements to Kidney International with an Executive Summary in the main pages of the journal.

This guideline is an update to the KDIGO Guideline for BP Management published in 2012 and includes BP management recommendations for individuals with CKD not receiving dialysis. The guideline was co-chaired by Alfred K. Cheung, MD, and Johannes Mann, MD. Topics include techniques of BP measurement; lifestyle interventions for lowering BP; and BP management in 3 key subgroups: adults and children with CKD not receiving dialysis and kidney transplant recipients (CKD G1T-G5T).

“We are excited to share this guideline with the global nephrology and general medical communities,” said Dr. Cheung. “This update reflects the new research emerged since 2012 which allows us to examine the current evidence base and revise previous guidance on blood pressure management issues that many CKD patients face on a daily basis.”

Another aim of the guideline is to propose research recommendations for areas where there are gaps in knowledge. The guideline targets a broad audience of physicians and other allied health professionals treating high BP in patients with CKD while being mindful of resource availability and implications for healthcare policy.

“There is a renewed appreciation for proper BP measurement techniques and their relationships to appropriate targets, so it is our hope that this guideline has identified opportunities for improving blood pressure care with the ultimate goal to reduce cardiovascular and kidney disease risks among persons with CKD not on dialysis,” said Dr. Mann.

Visit the BP Guideline Page to download the Guideline, Executive Summary, and other BP in CKD resources.

KDIGO Hosts Controversies Conference on Genetics in CKD

KDIGO held a Controversies Conference on Genetics in Chronic Kidney Disease (CKD) from March 6-7, 2021. The conference examined several issues related to monogenic kidney diseases, complex kidney diseases, applying genetic findings in clinical medicine, and using genomics for defining and stratifying CKD.
Anna Köttgen, MD (University of Freiburg, Germany), and Ali Gharavi, MD (Columbia University, United States) co-chaired this virtual conference.

Despite the lack of in-person interaction typical of KDIGO Controversies Conferences, participants from around the globe were able to engage in robust conversation and debate, albeit through Zoom screens and breakout rooms.

"I am delighted by the success of the conference, and would like to thank KDIGO for the wonderful opportunity to co-chair it together with Dr. Gharavi," said Dr. Köttgen. "The hard work all participants invested into preparing for this virtual meeting made it fun and productive. I particularly enjoyed the collegial and constructive atmosphere. I am convinced that the identified consensus and challenges in both research and clinical care will intensify our interactions within the nephro genetics community and support our goal to improve the situation of persons with kidney disease."

Watch the conference plenary sessions, episodes from the KDIGO Genetics in CKD Webinar Series, and download additional resources.

KDIGO Launches New Resources Page

Looking for a KDIGO Conference Report, Guideline Translation, or presentation? Find everything in one spot on the new KDIGO Resources page. The page is organized to help clinicians and patients easily access KDIGO materials and resources.

KDIGO will update this page as new resources become available. Stay tuned for new KDIGO podcasts, infographics, and additional tools.

Visit the new KDIGO Resources page.

Register for the ISN-KDIGO Webinar on AKD

Join the next ISN-KDIGO webinar, "Harmonizing Acute and Chronic Kidney Disease Definition and Classification" with Adeera Levin, MD, and Norbert Lamiere MD. The webinar will be held on Friday, March 26, 2021, at 4:00 PM CET.

Register for free here.

Watch the KDIGO Glomerular Diseases Webcast and Earn CME Credit

Looking to the Future: Applying a Greater Understanding of Proteinuria Regulation to Improve Outcomes of Patients with FSGS and IgAN

Join Dr. Edgar Lerma, Dr. Michelle O'Shaughnessy, and Dr. Jai Radhakrishnan to improve your recognition of early symptoms suggestive of glomerular disease and learn the latest strategies to enhance diagnostic accuracy. You will return to practice ready to perform appropriate testing, confirm a diagnosis as early as possible, and develop an appropriate treatment plan based on pathophysiologic drivers and guideline recommendations. Experts will also discuss emerging targeted treatments and their ability to address the limitations of traditional treatments and reduce proteinuria.

Watch the webinar and earn CME credit.
KDIGO in the News

**CJASN: The Patient Voice in Health Care Decision Making**

Learning you have diabetes is one of those moments you never forget. In an instant, your life has changed, and you have no idea what direction it has taken. Most patients who are diagnosed with diabetes know little about it, or about the CKD many will face as a result of diabetes. [Read more](#).

**Ki: Potential implications of the 2021 KDIGO blood pressure guideline for adults with CKD in the US**

The KDIGO Clinical Practice Guideline for the Management of Blood Pressure in CKD recommends a target systolic blood pressure under 120 mmHg based on standardized office blood pressure measurement. [Read more](#).

**NNI: Use of KDIGO Kidney Health Criteria Better Predicts CVD risks**

“For the primary prevention of cardiovascular disease, a comprehensive evaluation using both traditional and non-traditional risk factors is important,” study co-author Weiqing Wang, MD, PhD, of Shanghai Jiaotong University School of Medicine, said in a related press release. [Read more](#).

**Renal & Urology News: KDIGO Updates Blood Pressure Guideline for Nondialysis CKD**

“The current guideline, updated from the 2012 version, recommends a systolic blood pressure (SBP) target of less than 120 mm Hg in most subgroups with CKD (except kidney transplant recipients and children), largely based on evidence from SPRINT (Systolic Blood Pressure Intervention Trial). [Read more](#).

**CJASN: SGLT2 Inhibitors in Diabetic Kidney Disease**

Type 2 diabetes, increasing in prevalence globally, is a major cause of CKD and kidney failure. Sodium glucose transport protein 2 inhibitors (SGLT2i) significantly reduced progression of CKD, major adverse cardiovascular events, heart failure, and all-cause mortality in large clinical trials of people with type 2 diabetes. [Read more](#).

**HealthDay: 2021 KDIGO Guideline Lowers Target Systolic BP for Adults With CKD**

69.5 percent of adults with CKD eligible for BP lowering according to 2021 KDIGO guideline versus 49.8 percent with 2012 guideline. [Read more](#).
The burden of chronic kidney disease (CKD) is increasing around the globe, and diabetes is a leading cause of CKD and kidney failure worldwide. In addition to the risk for kidney function decline, patients with diabetes and CKD have high cardiovascular risk. Read more.

*NNI:* ‘Many unanswered questions’ remain in CKD anemia management

Research investigating the mechanisms of anemia in patients with chronic kidney disease, as well as optimal management strategies, is ongoing, according to a speaker at the Annual Dialysis Conference. Read more.

*BMC Nephrology:* Critically Ill COVID-19 Patients with Acute Kidney Injury

(AKI) is a common manifestation among patients critically ill with SARS-CoV-2 infection (Coronavirus 2019) and is associated with significant morbidity and mortality. The pathophysiology of renal failure in this context is not fully understood, but likely to be multifactorial. Read more.

*OUP:* On the Evolution of the Language of Nephrology

It is no exaggeration to state that the ICD has been one of the best examples of international collaboration in developing an authoritative tool in the service of medical discourse worldwide. Read more.

*NNI:* KDIGO updates 2012 guideline on managing blood pressure in CKD, largely informed by SPRINT

KDIGO has revised its guideline on managing blood pressure in patients with chronic kidney disease. The guideline was originally published in 2012. Read more.

About KDIGO

KDIGO is a Belgian foundation committed to developing and implementing nephrology guidelines that improve patient outcomes on a global basis. It is an independent, volunteer-led, self-managed charity incorporated in Belgium accountable to the public and the patients it serves.

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