

Recent Approach of KDIGO to CKD-CVD

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Kidney Disease: Improving Global Outcomes (KDIGO) is an international organization whose mission is to improve the care and outcomes of kidney disease patients worldwide by promoting coordination, collaboration, and integration of initiatives to develop and implement clinical practice guidelines.

Periodically, KDIGO hosts conferences on topics of importance to patients with kidney disease.

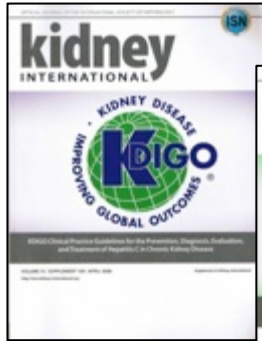
These conferences are **designed to review the state of the art** on a focused subject and to ask conference participants to determine **what needs to be done in this area** to improve patient care and outcomes.

Sometimes the recommendations from these conferences lead **to KDIGO guideline** efforts and other times they highlight areas for which **additional research** is needed to produce evidence that might lead to guidelines in the future.

Core KDIGO Efforts

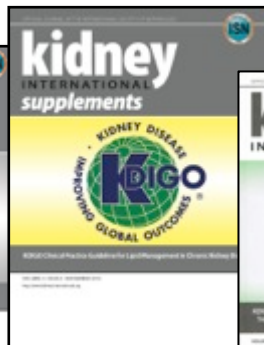
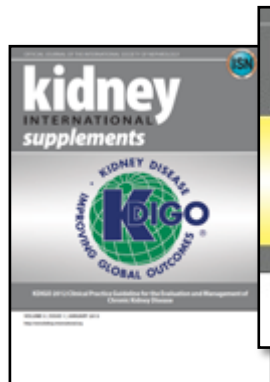
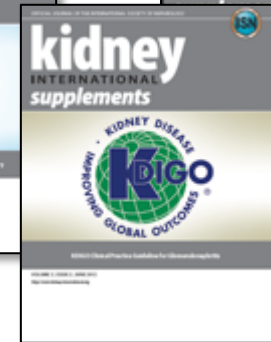


KDIGO GUIDELINES



Hepatitis C April 2008
Mineral Bone Disorder July 2009
Transplant Recipient Oct 2009

Acute Kidney Injury March 2012
Glomerulonephritis June 2012
Anemia August 2012
Blood Pressure in CKD November 2012



Diagnosis & Management of CKD Jan 2013
Lipid Management Nov 2013
CKD-MBD Update July 2017
Living Kidney Donors August 2017



KDIGO Recent-Meeting

2016

Feb	Gitelman Syndrome	Brussels
June	Common Elements in Uncommon KD	Amsterdam
Aug	KDIGO Clinical Practice Conference	Nanjing
Sept	Challenges in the Conduct of Clinical Trials in Nephrology	Paris
Oct	CKD & Arrhythmias	Berlin
Dec	Prognosis & Optima Management of Pts with Advanced CKD	Barcelona

2017

Mar.	HIV-Related Kidney Diseases	Cameroon
Apr. 1	Executive Committee Meeting:	Milan
May 25-28	Heart Failure in CKD Conference:	Athens
Sept. 7-10	Blood Pressure Conference:	Edinburgh
Oct. 16	Executive Committee Meeting:	London
Nov. 16-19	Glomerular Diseases Conference:	Singapore

KDIGO Meeting Schedule

2018

Jan. 26-28	Dialysis Initiation & Prescription:	Madrid
Mar. 19	Executive Committee Meeting:	San Francisco
Jun. 28/Jul 1	Coronary Artery and Valvular Diseases:	Vienna
Oct. 1	Executive Committee Meeting:	Amsterdam
Oct. 5-7	Electrolyte Disorder: Potassium:	Washington DC
Dec. 14-16	Onco-Nephrology	Milan

2019

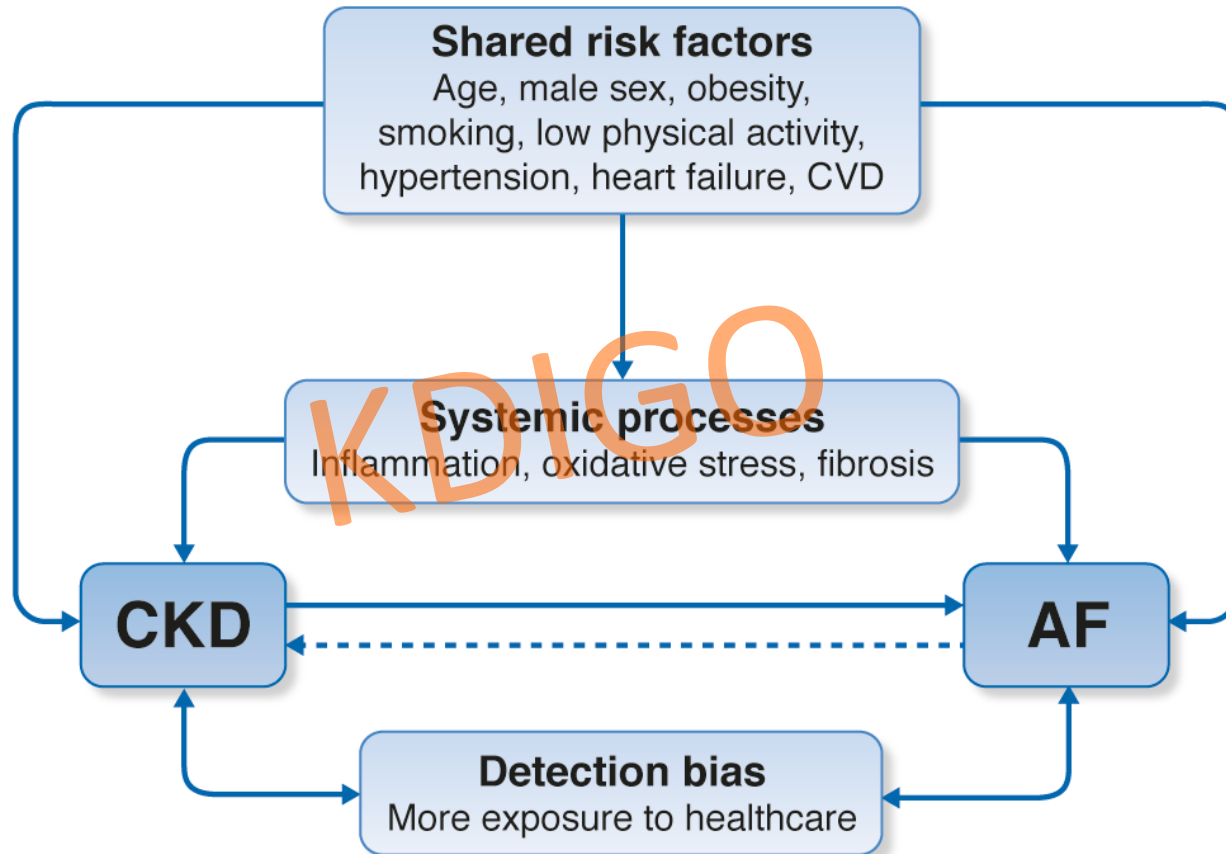
Dialysis Complications
Acute Kidney Injury
Nomenclature
Dialysis Innovation



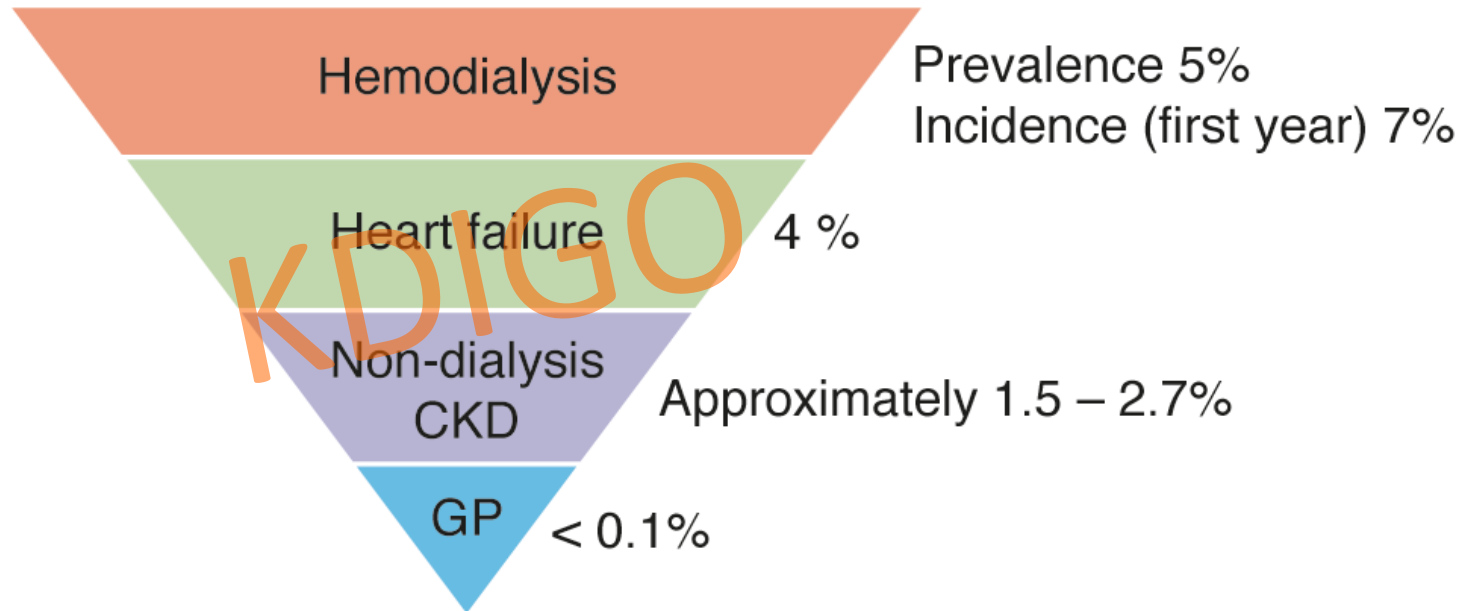
Chronic kidney disease and arrhythmias:
Conclusions from a Kidney Disease: Improving
Global Outcomes (KDIGO) Controversies
Conference

*Turakhia MP, Blankestijn PT, Carrero JJ, et al
European Heart Journal 0, 1-17, 2018*

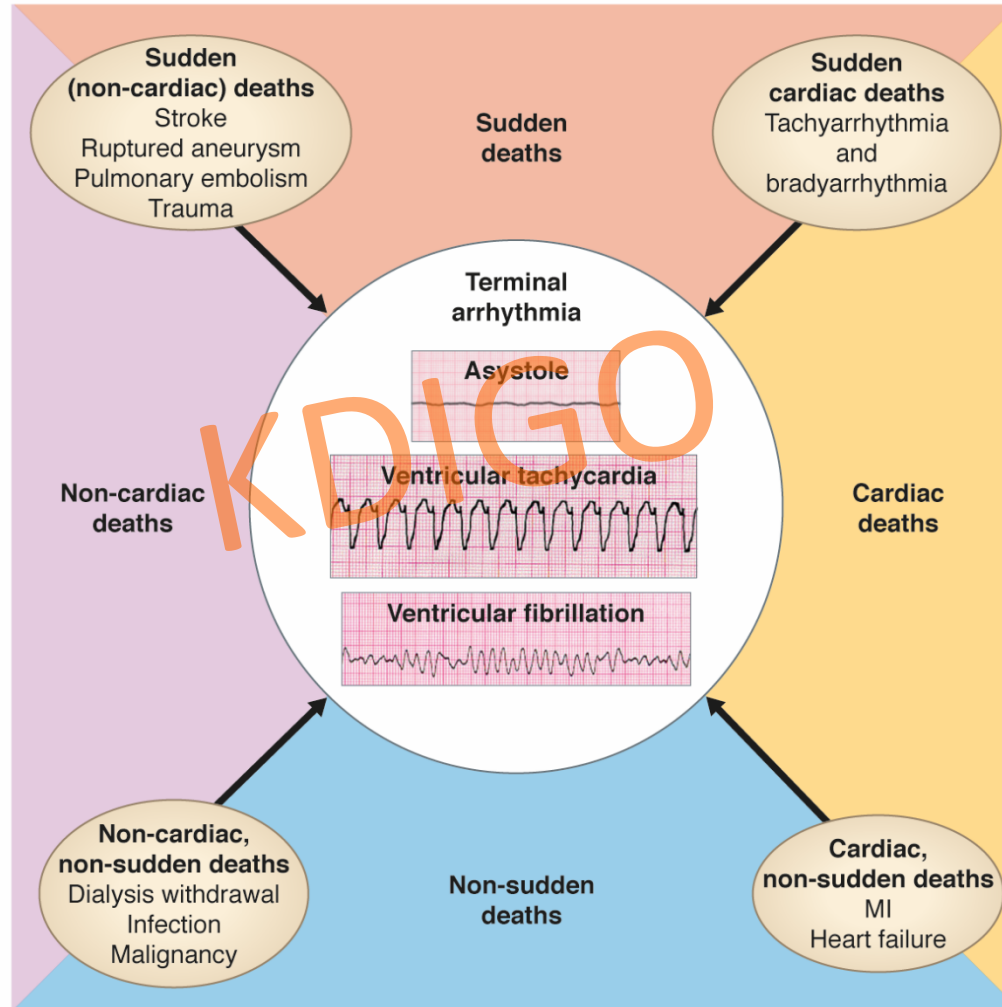
Relationship between CKD and Atrial Fibrillation



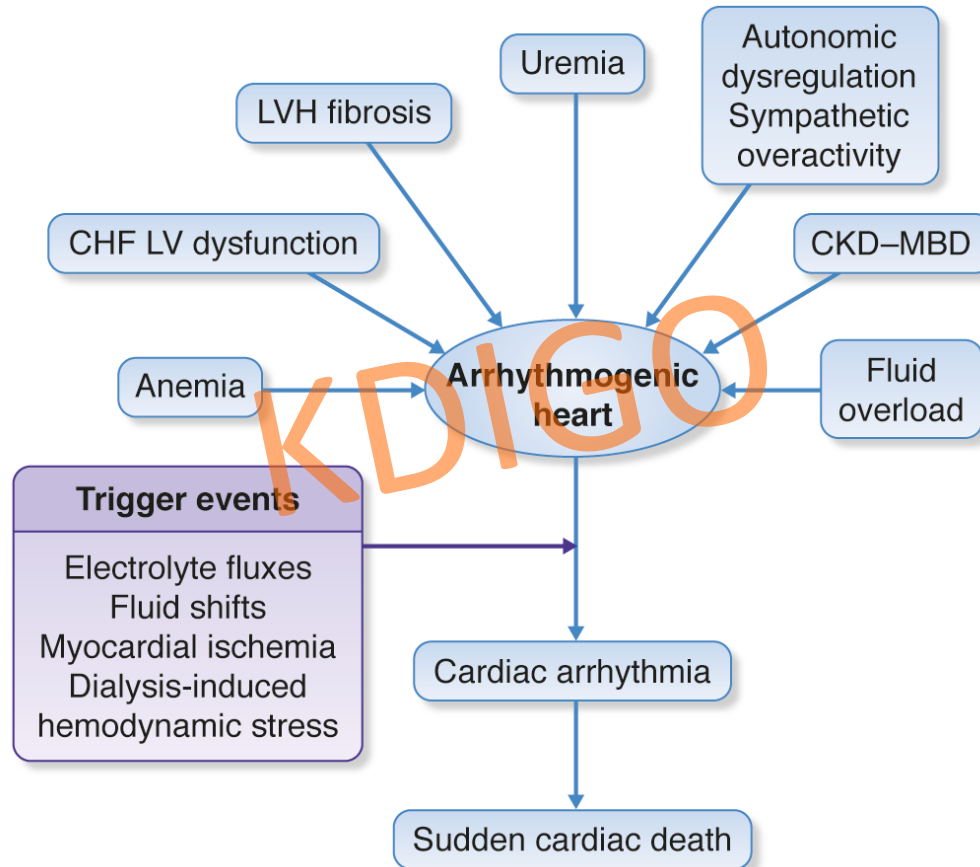
Rates of Sudden Cardiac Death in General, CKD, Heart Failure & HD Populations



Mechanisms of Death in CKD Patients

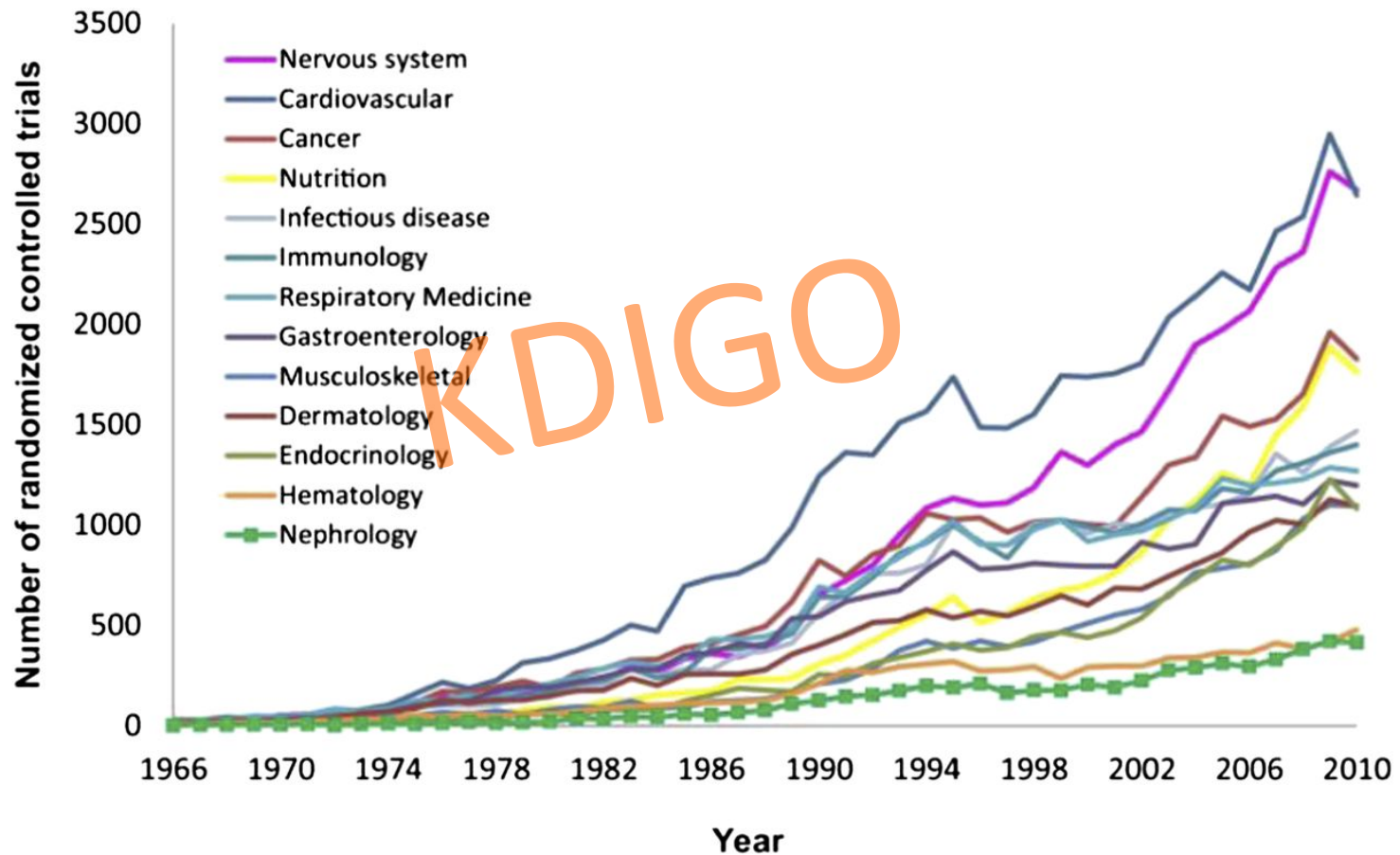


Predisposing Factors for Sudden Cardiac Death



Few RCTs in Nephrology

Number of randomized controlled trials



Trials in kidney disease

- **Endpoints difficulty**
- **Difficult patient recruitment**
- **High dropout**
- **Burden on patients and sites**
- **Limited site capacity**
- **Growing disengagement from community**
- **Variable regulatory approaches**

“If regulatory agencies keep requiring long-term clinical trials, we have to quit developing drugs in this field.”
by a representative from Roche



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KDIGO Controversies Conference on Heart Failure in Chronic Kidney Disease (#32)

May 25-28, 2017, Athens, Greece

CC Co-chair: Andrew House (Canada)

Peter McCullough (USA)

KDIGO Co-chair:

Chuck Herzog (USA)

Wolfgang Winkelmayer (USA)

KDIGO Controversies Conference on Heart Failure in Chronic Kidney Disease (#32) 2017, May 25-28, Athens, Greece



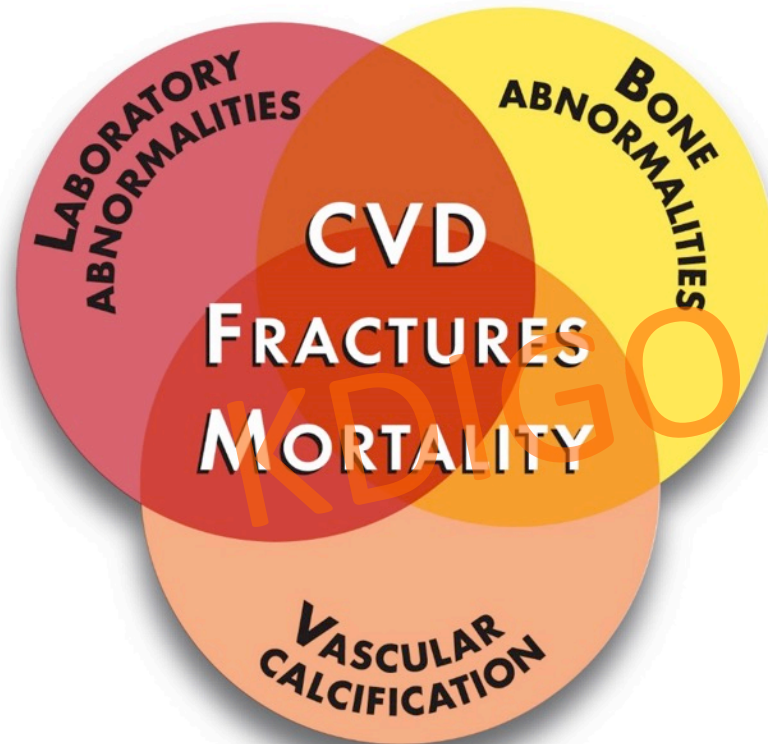
Co-chair: Andrew House, Peter McCullough



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CKD-MBD Implementation Summit in Asia
Apr 28-29, 2018,
CC Co-chair: Masafumi Fukagawa (Japan)
Angela Wang (Hong Kong)

CHRONIC KIDNEY DISEASE— MINERAL AND BONE DISORDER



CKD-MBD

Kidney Int 69:1945-1953, 2006

Kidney Int 76 (Suppl 113):S1-S130, 2009

Update on KDIGO methods

- Publish GL online in **MAGICapp** and a larger print version with more narrative guidance (but no additional recommendations)
- Pilot test of BP, GN and diabetes
- If these pilot tests are successful, gradually convert all existing GL to **MAGICapp**
- **MAGICapp** is brought to you by MAGIC, a non-profit organization backed by an international team of doctors and researchers. Our goal is to improve the authoring, adaptation, presentation, dynamic updating, and dissemination of **medical guidelines using the GRADE methodology**. MAGIC aims to facilitate shared decision making between patients and providers. This is accomplished by developing decision aids and using guidelines directly in **EHRs** and decision support systems, all with structured data.

SONG: Standardized Outcome in Nephrology