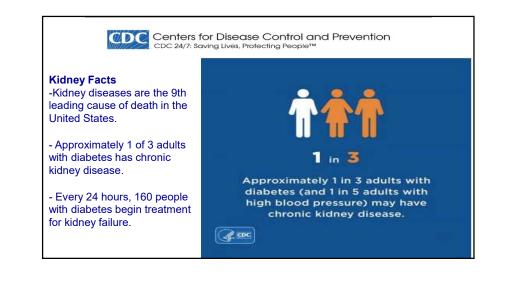
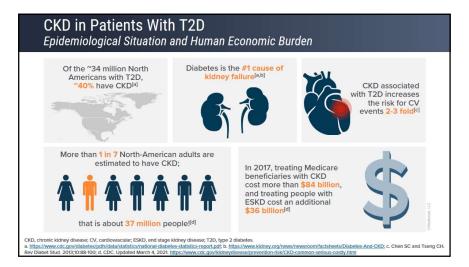
## SGLT2Is in CKD: A New KDIGO Guideline 2023

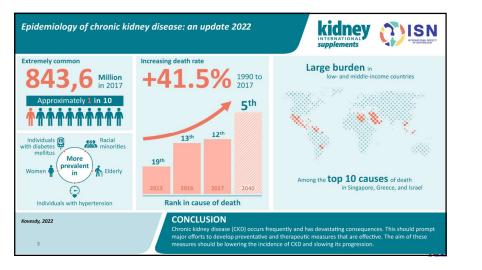
Prof Pham Van Bui Univ. of Medicine Pham Ngoc Thach Nguyen Tri Phuong Hospital President, Society of the Nephrology-Dialysis Therapies Invited Professor, Liege Univ. of Medicine, Belgium

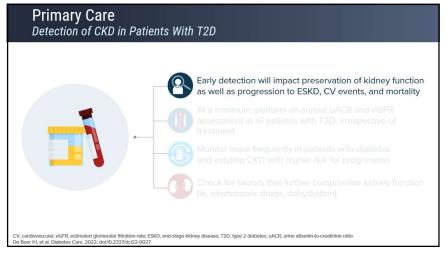


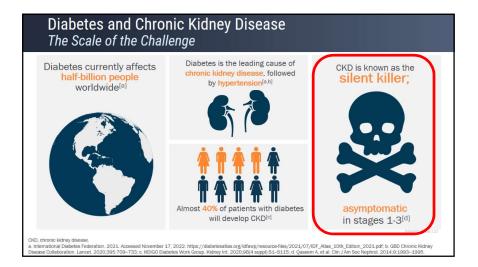


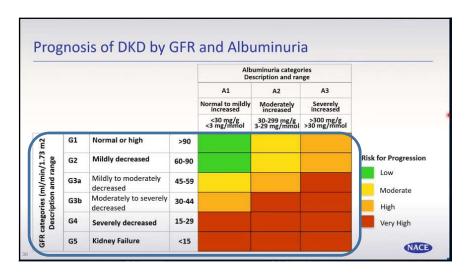
#### The Enormity of Diabetes and CKD 537 million **Diabetic kidney disease** 30% of T1D 40% of T2D People live with 88 diabetes worldwide Half of chronic kidney disease (CKD) Heart failure, atherosclerotic Progression to Type 1 diabetes Type 2 diabetes kidney failure cardiovascular • 5% • 95% disease, death 27 million 510 million ▶ 10% 90%

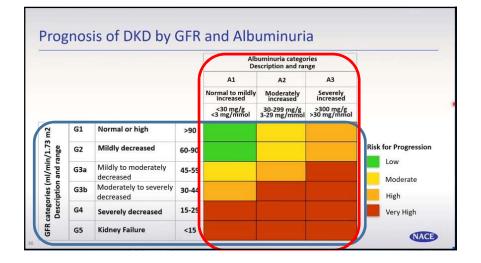
Tuttle KR, et al. Clin J Am Soc Nephrol. 2022;17:1092-1103.

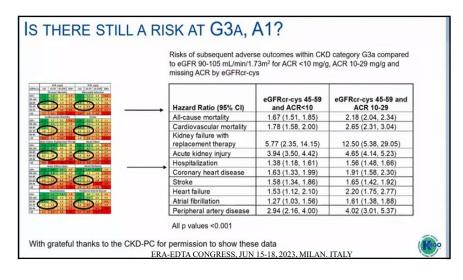


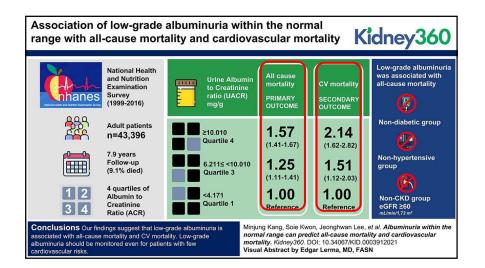


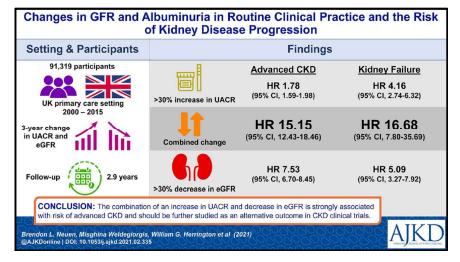










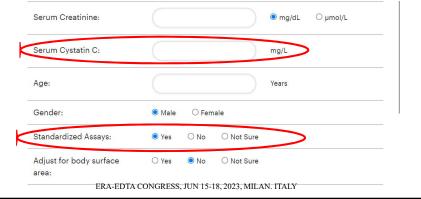


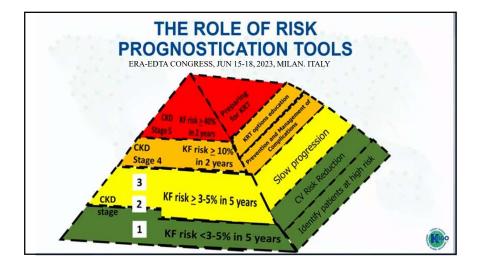


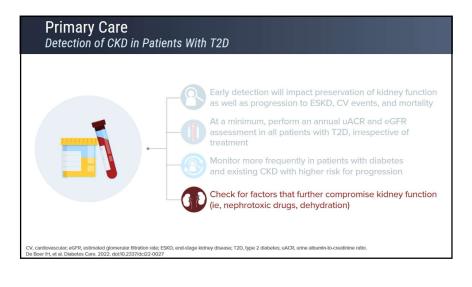
- The KFRE was developed and initially validated in 8,391 adults from two Canadian provinces and validated in 721,357 individuals from 30 countries in 4 continents.
- In the validation study, cohorts from both general populations and nephrology clinic settings were included.
- Both the 4 variable and the 8 variable KFREs were accurate (pooled C statistics 0.90 at 2 years, and 0.88 at 5 years).
- Discrimination was excellent (C statistic >0.80 in 28/30 cohorts), and the use of a calibration factor improved calibration for some regions outside of North America.

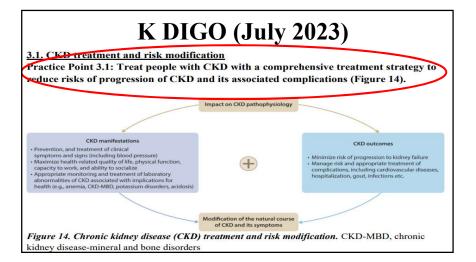
ERA-EDTA CONGRESS, JUN 15-18, 2023, MILAN. ITALY

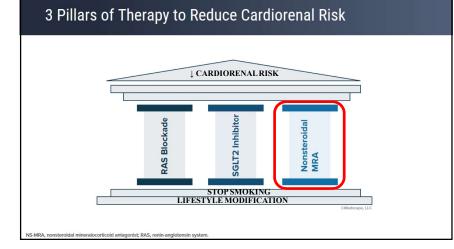
# Adult eGFR Calculator (NFK)





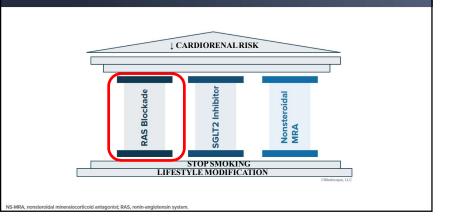


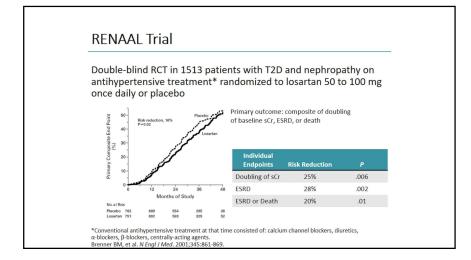


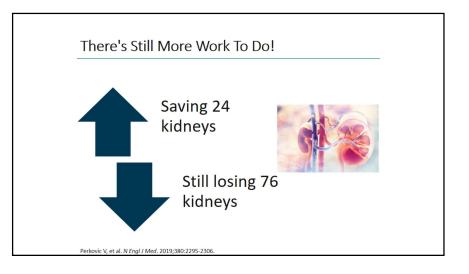


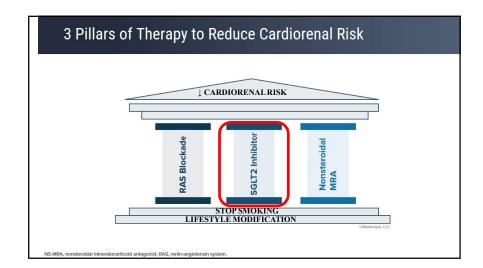
#### **FIDELITY Pooled Analysis** Efficacy Outcomes (n = 6519) (n = 6507) HR (95% CI) P value HR (95% CI) P Value 360 (5.5) 465 (7.1) 0.77 (0.67, 0.88) .0002 -0.86 (0.78, 0.95) 825 (12.7) 939 (14.4) .0018 Kidney failure 254 (3.9) 297 (4.6) 0.84 (0.71.0.99) .039 256 (3.9) 325 (5.0) -0.78 (0.66, 0.92) .0030 ESKD" 151 (2.3) 188 (2.9) 0.80 (0.64, 0.99) .040' 322 (4.9) 364 (5.6) 0.88 (0.76, 1.02) .092 eGFR < 15 mL/min/1.73 m<sup>2</sup> 195 (3.0) 237 (3.6) 0.81 (0.67, 0.98) .026' -0-173 (2.7) 189 (2.9) ≥ 57% decrease in eGFR 257 (3.9) 361 (5.5) 0.91 (0.74, 1.12) .36 0.70 (0.60, 0.83) <.0001 198 (3.0) 198 (3.0) 0.99 (0.82, 1.21) .95 0.53 (0.10, 2.91) -2 (< 0.1) 4 (< 0.1) Renal death 2.0 Finerenone significantly reduced the The CV benefits of finerenone: primarily incidence of all components of the kidney driven by reduction in HHF and composite outcome (except renal death\*) **CV** death Similar incidences of investigator-reported treatment-emergent adverse events were observed between treatment groups. Hyperkalemia-related adverse events occurred more frequently with Inneronne (14.0%) vs. piacebo (8.9%), but no hyperkalemia-related adverse events were faital and may a small proportion id to permanent treatment discontinuation (1.7% (incidence rate 0.0% error to patient-years), and DSM (indicence rate 2.0% error to patient-years), respectively). CV, cardiovascular; ESKD, end-stage kidney disease; HHF, hospitalization for heart failure; MI, myocardial infarction. CV calourovascular, EGNV, enu-stage Nunley Useade, Prinr, rospitalization non inelari tanue, im, imyocatore 57% decrease in eGRs is equivalent to doubling of serum creatinine. "Only 6 patients experienced renal death," Minitation of chronic dialysis for ≥ 90 days or kidney transplant. Transpis for P value not prespecticide, "Confirmed by 2 eGFR measurements ≥ 4 weeks apart. Agarwal R, et al. Eur Heart J, 2022;43:474–484.

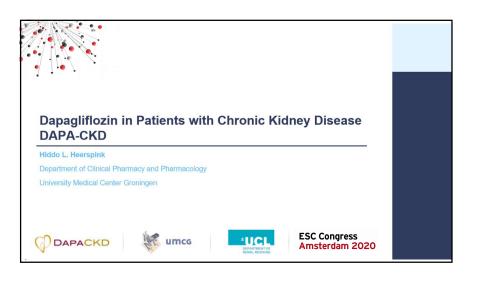
### 3 Pillars of Therapy to Reduce Cardiorenal Risk

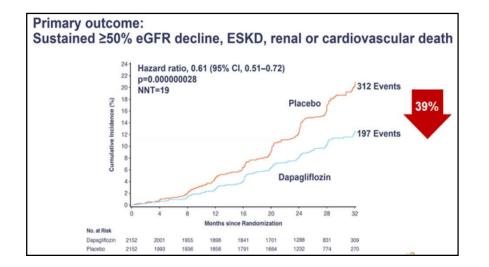


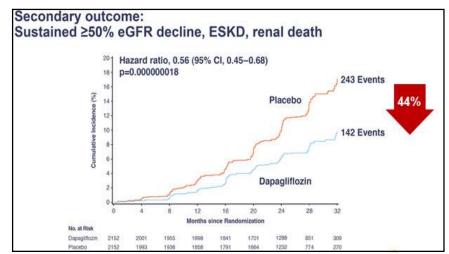


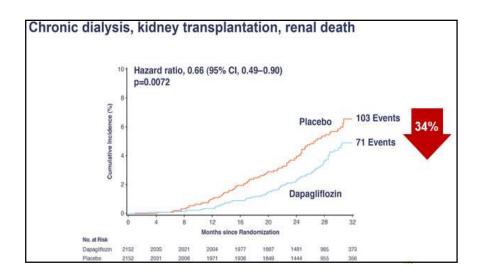


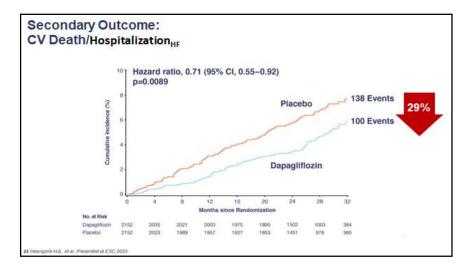


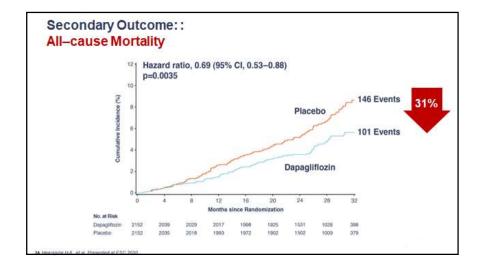


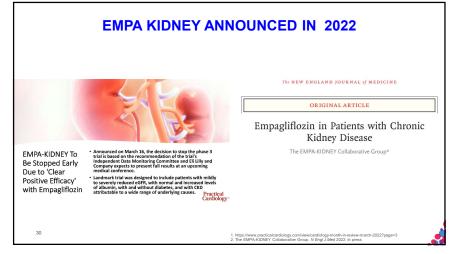


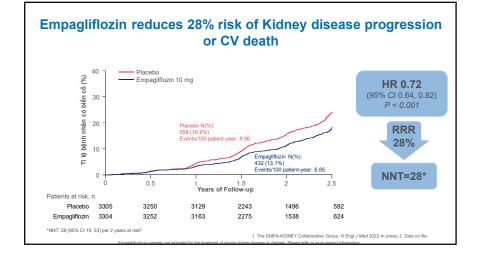


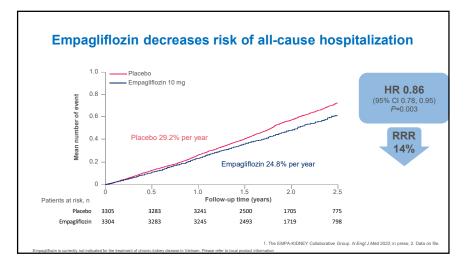


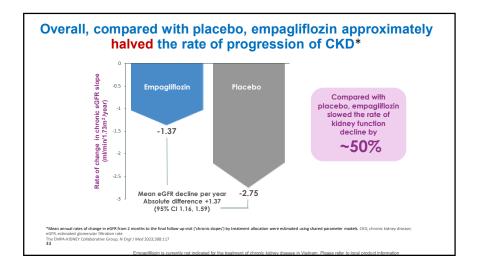


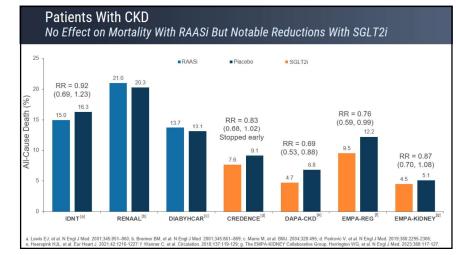










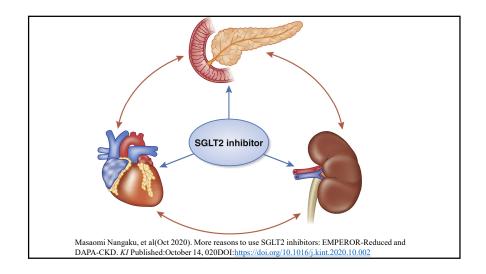


# K DIGO (July 2023)

Recommendation 3.6.1: We recommend treating patients with type 2 diabetes (T2D), CKD, and an eGFR ≥20 ml/min per 1.73 m<sup>2</sup> with an SGLT2i (1A).

Recommendation 3.6.2: We recommend treating adults with CKD and heart failure or eGFR ≥20 ml/min per 1.73 m<sup>2</sup> with urine albumin-to-creatinine ratio (ACR) ≥200 mg/g with an SGLT2i (1A).

Recommendation 3.6.3: We suggest treating adults with eGFR ≥20 to 45 ml/min per 1.73 m<sup>2</sup> with urine ACR <200 mg/g with an SGLT2i (2B).



12/11/2023

