Breakthrough T1D™ Formerly JDRF

Kidney Research UK

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Table 1: Research themes in diabetic kidney disease and key recommendations to address these priorities.

Theme	Key recommendations in diabetic kidney disease (DKD) research
Understanding causal mechanisms	• Improve understanding of DKD pathogenesis • Improve engagement of diverse populations in co-design and participation in interventional trials • Identify how best to communicate DKD risk, causes and prevention
Improving prevention	• Carry out multidisciplinary research into social determinants of health • Explore barriers to routine urine testing for kidney disease • Conduct a review of polypharmacy and drugs available to support prevention of DKD
Addressing health inequalities	**Develop better biomarkers and tools using multi-disciplinary approaches:** • Identify and understand heterogenous subtypes of kidney disease • Embrace a multi-ethnic approach to capturing diverse genetic and environmental factors • Utilise representative longitudinal, cohort-based and data-driven studies **Improve diagnosis rates:** • Define interventions to improve diagnosis in primary care and beyond • Enhance education on DKD management among general practitioners to ensure best practice • Utilise knowledge of lived expertise to communicate need for testing
Improving care	• Identify effective methods of screening and managing distress and depression • Evaluate the use of hybrid closed loop in people with diabetes on dialysis • Identify most effective DKD care models and how to implement them across healthcare settings
Supporting self-management	• Enhance awareness of self-management among healthcare professionals to improve care • Develop and evaluate structured education programme for people living with DKD • Explore the use of patient reported outcome measures to support self-management