

## RFU In-Person Measurements for KRT Naïve Participants ≥ 16 years old

Topic	Variable	Pre-V	Baseline (V1)   Re-entry	EVEN (V2, V4...)	ODD (V3, V5...)
	Eligibility Form (Inclusion & Exclusion Criteria)	■			
	Consent Form and Study Brochure	■			
	Family Information	■	■	■	■
Kidney	Central Cystatin C		■	■	■
	Central Renal Panel / Uric Acid		■	■	■
	Central Intact Parathyroid Hormone (iPTH)		■	■	■
	Central Urine Creatinine:Protein and Albumin		■	■	■
	Local Renal Panel		■	■	■
	Local Complete Blood Count		■	■	■
	Local Pregnancy Test <sup>a</sup>		■		■
Cardiovascular	Blood Pressure		■	■	■
	Home Blood Pressure Monitoring <sup>b</sup>		■	■	■
	Central Lipid Profile		■	■	■
	Central Calcification Propensity (T50 test) <sup>c</sup>		■	■	■
	Central Cardiac Biomarkers <sup>c</sup>		■	■	■
	Echocardiography / Pulse Wave Velocity		■		■
	Cardiopulmonary Exercise Testing (CPET) <sup>d</sup>				U25eGFR < 60
	Cardiac Computed Tomography (CT) <sup>e</sup>				U25eGFR < 30
	Zio Patch <sup>f</sup>				U25eGFR < 30
	Carotid Intima-Media Thickness <sup>g</sup>		■		■
Transition	Transition Readiness Assessment		■	■	■
Neurocognitive	Psychosocial Assessments		■	■	
	NIH Toolbox Cognition Tests <sup>h</sup>		■	U25eGFR <30	
	NIH Toolbox Emotion Tests		■	■	
	BRIEF Questionnaires		■	■	
Growth	Height and Weight		■	■	■
	Mid-Arm Circumference		■	■	■
	Waist and Hip Circumferences		■	■	■
	Central Vitamin D <sup>c</sup>		■	■	■
	Central Fibroblast Growth Factor-23 (FGF-23) <sup>c</sup>		■	■	■
	Grip Strength		■	■	
Repository	Biorepository (serum, plasma, urine) samples		■	■	■
	Genetic whole blood sample <sup>i</sup>		■		

<sup>a</sup> **Pregnancy Test:** Prior to completing the cardiac CT procedure, a pregnancy test will be performed on participants of childbearing potential.

<sup>b</sup> **Home Blood Pressure Monitor:** Home blood pressure monitoring data will be collected on participants with a midarm circumference of 24 – 36 cm. Participants will be given the device and instructions at the baseline/reentry visit to measure blood pressure for one week. In between visits, every 3 months, participants are reminded to measure blood pressure for one week. At annual visits, the device will be checked and refresher instructions provided.

<sup>c</sup> **Calcification Propensity (T50 test), Cardiac Biomarkers (ApoB, homocysteine, hsTnT, NT-proBNP, Lp(a)), Vitamin D and FGF23:** Samples will be collected but tests will assayed pending funding.

<sup>d</sup> **CPET:** At selected sites, CPET will be performed on a subset of participants with U25eGFR < 60 ml/min/1.73m<sup>2</sup> at baseline/re-entry visit and subsequent odd visits.

<sup>e</sup> **Cardiac CT:** Completed one time for a subset of participants with U25eGFR < 30 ml/min/1.73m<sup>2</sup> at the baseline/re-entry or odd-numbered visit. For participants completing RFU visits, cardiac CT should not be repeated.

<sup>f</sup> **Zio Patch:** Data collected for a subset of participants with U25eGFR < 30 ml/min/1.73m<sup>2</sup> at baseline/re-entry visit, then at subsequent odd-numbered visits.

<sup>g</sup> **Carotid IMT:** At selected sites, sub-set of participants will have carotid IMT performed.

<sup>h</sup> **NIH Toolbox Cognition Tests:** Participants will complete NIH toolbox cognition tests at V1, then at subsequent even-numbered visits for participants with an U25eGFR <30 ml/min/1.73m<sup>2</sup>.

<sup>i</sup> **Whole Blood Sample:** Sample is only collected if an adequate sample was not previously obtained.

## Post KRT In-Person Measurements for Participants ≥ 16 years old

*(Colors illustrate the differences between the Post-Transplant and Post-Dialysis Measurements)*

Topic	Variable	Baseline (V1)   Re-entry	Post KRT Transplant		Post KRT Dialysis	
			EVEN (V2, V4...)	ODD (V3, V5...)	EVEN (V2, V4...)	ODD (V3, V5...)
Kidney	Iohexol-based GFR ( <b>Transplant only</b> )		■			
	Local Kt/V ( <b>Dialysis only</b> ) Record most recent value from chart.	■			■	■
	Central Cystatin C ( <b>Transplant only</b> )	■	■	■		
	Central Renal Panel/Uric Acid	■	■	■	■	■
	Central Intact Parathyroid Hormone (iPTH)	■	■	■	■	■
	Central Urine Creatinine:Protein and Albumin ( <b>Transplant only</b> )	■	■	■		
	Local Complete Blood Count	■	■	■	■	■
	Local Pregnancy Test <sup>a</sup>	■	■	■	■	■
	Local Renal Panel	■	■	■	■	■
	Cardiovascular	Blood Pressure	■	■	■	■
Home Blood Pressure Monitoring <sup>b</sup>		■	■	■	■	■
Central Lipid Profile		■	■	■	■	■
Central Calcification Propensity (T50 test) <sup>c</sup>		■	■	■	■	■
Central Cardiac Biomarkers <sup>c</sup>		■	■	■	■	■
Echocardiography / Pulse Wave Velocity		■		■	■	■
Cardiac Computed Tomography (CT) <sup>d</sup>		■		■	■	■
Zio Patch		■		■	■	■
	Carotid Intima-Media Thickness <sup>e</sup>	■		■	■	■
Transition	Transition Readiness Assessment	■	■	■	■	■
Neurocognitive	Psychosocial Assessments	■	■		■	
	NIH Toolbox Cognition Tests	■	■		■	
	NIH Toolbox Emotion Tests	■	■		■	
	BRIEF Questionnaires	■	■		■	
Growth	Height and Weight	■	■	■	■	■
	Mid-Arm Circumference	■	■	■	■	■
	Waist and Hip Circumferences	■	■	■	■	■
	Central Vitamin D <sup>c</sup>	■	■	■	■	■
	Central Fibroblast Growth Factor-23 (FGF23) <sup>c</sup>	■	■	■	■	■
	Grip Strength	■	■		■	
Repository	Biological (serum, plasma) samples	■	■	■	■	■
	Biological urine sample ( <b>Transplant only</b> )	■	■	■		
	Genetic whole blood sample <sup>f</sup>	■				

<sup>a</sup> **Pregnancy Test:** For participants completing iohexol GFR and/or cardiac CT procedures, a pregnancy test will be performed on participants of childbearing potential.

<sup>b</sup> **Home Blood Pressure Monitor:** Home blood pressure monitoring data will be collected on participants with a midarm circumference of 24 – 36 cm. Participants will be given the device and instructions at the baseline/reentry visit to measure blood pressure for one week. In between visits, every 3 months, participants are reminded to measure blood pressure for one week. At annual visits, the device will be checked and refresher instructions provided.

<sup>c</sup> **Calcification Propensity (T50 test), Cardiac Biomarkers (ApoB, homocysteine, hsTnT, NT-proBNP, Lp(a)), Vitamin D and FGF23:** Samples will be collected but tests will assayed pending funding.

<sup>d</sup> **Cardiac CT:** For transplant participants, the cardiac CT should be completed one time if not previously performed. For dialysis participants, the cardiac CT should be performed annually but not more than once every 12 months.

<sup>e</sup> **Carotid IMT:** At selected sites, a subset of participants will have carotid IMT performed.

<sup>f</sup> **Whole Blood Sample:** Sample is only collected if an adequate sample was not previously obtained.

**Measurements collected by at Abbreviated Regular and Post-KRT Visits  
for Participants < 16 years old**

	Variable	RFU		Post-KRT	
		Abbreviated EVEN	Abbreviated ODD	Abbreviated EVEN	Abbreviated ODD
Labs & Vitals	Central Cystatin C (RFU & Transplant)	■	■	■	■
	Local Kt/V (Dialysis only) Record most recent value from chart.			■	■
	Central Renal Panel/Uric Acid	■	■	■	■
	Central Urine Creatinine:Protein and Albumin (RFU & Transplant)	■	■	■	■
	Central Intact Parathyroid Hormone (iPTH)	■	■	■	■
	Central Lipid Profile	■	■	■	■
	Central Calcification Propensity (T50 test) <sup>a</sup>	■	■	■	■
	Central Cardiac Biomarkers <sup>a</sup>	■	■	■	■
	Central Vitamin D <sup>a</sup>	■	■	■	■
	Central Fibroblast Growth Factor-23 (FGF23) <sup>a</sup>	■	■	■	■
	Local Complete Blood Count	■	■	■	■
	Local Pregnancy Test <sup>b</sup>	■	■	■	■
	Local Renal Panel	■	■	■	■
	Biorepository (serum, plasma, urine) samples	■	■	■	■
	Blood Pressure	■	■	■	■
	Height/Length and Weight	■	■	■	■
	Mid-Arm Circumference	■	■	■	■
	Waist and Hip Circumferences	■	■	■	■
Cardiovascular	Home Blood Pressure Monitoring	■	■	■	■
Neurocognitive	Psychosocial Assessments	■		■	
	NIH Toolbox Cognition Tests <sup>c</sup>	U25eGFR < 30		■	
	NIH Toolbox Emotion Tests	■		■	
	BRIEF Questionnaires	■		■	

<sup>a</sup> Calcification Propensity (T50 test), Cardiac Biomarkers (ApoB, homocysteine, hsTnT, NT-proBNP, Lp(a)), Vitamin D and FGF23: Samples will be collected but tests will assayed pending funding.

<sup>b</sup> Pregnancy Test: A pregnancy tests may be performed on participants in accordance with local institutional guidelines and policies.

<sup>c</sup> NIH Toolbox Cognition Test: Participants will complete NIH toolbox at even numbered visits for participants with an U25eGFR <30 ml/min/1.73m<sup>2</sup>.