



Barbara P.,
kidney transplant recipient

The Most Published Donor-Derived Cell-Free DNA Test in Transplantation

>235  **Transplant Centers**
Actively Using AlloSure
Kidney & Heart

14  **Center**
Prospective
Validation Trial

60+  **Journal**
Publications

May 2022 – Kidney Transplant Publications to Date

Kidney Transplant Studies	Main Author	Journal	Year
Analytical Validation			
Assessing AlloSure Dd-cfDNA Monitoring Insights of Renal Allografts With Longitudinal Surveillance (ADMIRAL)	Bu	Kidney International	2021
Clinical Validation of an Immune Quiescence Gene Expression Signature in Kidney Transplantation	Akalin	Kidney360	2021
The Evolution and Innovation of Donor-Derived Cell-Free DNA Testing in Transplantation	Wong	Journal of Medical Diagnostic Methods	2020
Using Cell-Free DNA Reference Standards to Evaluate the Analytical Performance of Circulating Tumor DNA Testing and Solid Organ Transplant Health Surveillance	Raveh-Amit	BioTechniques	2015
Validation of a Clinical-Grade Assay to Measure Donor-Derived Cell-Free DNA in Solid Organ Transplant Recipients	Grskovic	JALM	2016
Validation of a Gene Expression Signature to Measure Immune Quiescence in Kidney Transplant Patients in the CLIA Setting	Cheung	Biomarkers in Medicine	2022
Antibody Mediated Rejection			
Donor-Derived Cell-Free DNA Identifies Antibody-Mediated Rejection in Donor-Specific Antibody-Positive Kidney Transplant Recipients	Jordan	Transplantation Direct	2018
Donor-Derived Cell-Free DNA in Kidney Transplantation: Origins, Present and a Look to the Future	Kant	Medicina (Kaunas)	2021
Early Clinical Experience Using Donor-Derived Cell-Free DNA to Detect Rejection in Kidney Transplant Recipients	Huang	AJT	2019
Using (cell-free) DNA to incriminate rejection as the cause of kidney allograft dysfunction: Do we have a verdict?	Bloom	AJT	2019
Utility of donor-derived cell free DNA in detecting ABMR in patients with AT1R antibodies	Kant	Kidney International	2021
Biopsy (Improvement Over)			
Correlation of Donor-Derived Cell-free DNA with Histology and Molecular Diagnoses of Kidney Transplant Biopsies	Gupta	Transplantation	2021
Donor-Derived Cell-Free DNA combined with Histology improves prediction GFR in KTR C/W Histology alone	Huang	Transplantation Direct	2020
Donor-Derived Cell-Free DNA (ddcf-DNA) and Acute Antibody-Mediated Rejection in Kidney Transplantation	Jaikaransingh	Medicina (Kaunas)	2021
Donor-derived Cell-free DNA Kinetics Post-kidney Transplant Biopsy	Kyeso	Transplant Direct	2021
Cancer			
Kidney retransplantation after anti-programmed cell death-1 (PD-1)-related allograft rejection	Lipson	AJT	2020
COVID (Utility in the Era of)			
Cell-free DNA maps COVID-19 tissue injury and risk of death and can cause tissue injury	Andargie	JCI Insight	2021
Editorial Challenges to Transplantation by the Assault of CoVid-19: Emergence of Molecular Diagnostics as Surveillance	Ross	OBM Transplantation	2020
Use of Donor-Derived Cell-Free DNA for Assessment of Allograft Injury in Kidney Transplant Recipients During the Time of the Coronavirus Disease 2019 Pandemic	Garg	Transplantation Proceedings	2020
Genomic Biomarker Surveillance in the Care of Solid Organ Transplant Recipients: An Update for the General Clinician during the Coronavirus (CoVid-19) Pandemic	Ramsey	OBM Transplantation	2020
CoVid-19 Viremia, Serology & Clinical Course in Case series of Transplant Recipients	Christensen	Transplantation Proceedings	2020
Remote Monitoring using dd-cfDNA after kidney transplantation during COVID	Potter	Kidney Research and Clinical Practice	2020

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Kidney Transplant Studies cont'd	Main Author	Journal	Year
General Utility			
Adding Insult on Injury: Immunogenic Role for Donor-Derived Cell-free DNA?	Dholakia	Transplantation	2020
Biological Variation of Donor-Derived Cell-Free DNA in Renal Transplant Recipients: Clinical Implications	Bromberg	JALM	2017
Causes of Renal Allograft Injury in Recipients with Normal Donor-derived Cell-free DNA	Xie/Bromberg	Transplant Direct	2021
Donor-derived Cell-free DNA: Advancing a Novel Assay to New Heights in Renal Transplantation	Paul	Transplant Direct	2021
Donor-derived Cell-free DNA in Solid-organ Transplant Diagnostics: Indications, Limitations, and Future Directions	Kataria	Transplantation	2021
Emerging monitoring technologies in kidney transplantation	Ehlayel	Pediatr Nephrol.	2021
Impact of both recipient BMI and age on baseline dd-cfDNA in KTR	Sureshkumar	Clinical Transplantation	2020
Understanding uses of AlloSure dd-cfDNA	Seeto	Biophysical Reviews	2020
Immuno-Optimization			
Cell-free DNA beyond a biomarker for rejection: Biological trigger of tissue injury and potential therapeutics	Tsuji	J Heart Lung Transplant	2021
KidneyCare Guided Immuno-optimization in Renal Allografts: The KIRA Protocol	Gray	Methods and Protocols	2020
Infectious Disease			
Donor-Derived Cell-Free DNA in infections in kidney transplant recipients: case series	Goussous	Transplantation Direct	2020
Donor-derived Cell-Free DNA and the Prediction of BK Virus-associated Nephropathy	Kant	Transplantation Direct	2020
Not all dd-cfDNA Tests are the Same			
Next-generation sequencing methods to detect donor-derived cell-free DNA after transplantation	Dengu	Transplantation Reviews	2020
Donor-derived cell-free DNA is not all the same	Melancon	Kidney 360	2020
Performance of Donor-derived Cell-free DNA Assays in Kidney Transplant Patients	Grskovic	Transplantation	2020
Pediatrics			
Donor-derived cell-free DNA (dd-cf-DNA) for Detection of Allograft Rejection in Pediatric Kidney Transplants	Puliyanda	Pediatric Transplantation	2020
Rejection (All)			
DART: Cell-Free DNA and Active Rejection in Kidney Allografts	Bloom	JASN	2017
RADAR: High levels of dd-cfDNA identify patients with TCMR 1A and borderline allograft rejection at elevated risk of graft injury	Stites	AJT	2020
Association between dd-cfDNA levels, de novo donor specific antibodies, and eGFR decline: An analysis of the DART cohort	Sawinski	Clin Transplant	2021
dd-cfDNA May Confirm Real-Time Response to Treatment of Acute Rejection in Renal Transplant Patients	Hinojosa	Transplantation	2019
Dynamic Response of Donor-Derived Cell-Free DNA Following Treatment of Acute Rejection in Kidney Allografts	Wolf-Doty	Kidney360	2021
Kidney retransplantation after anti-PD-1-related allograft rejection	Lipson	AJT	2020
Utility of Serial Donor-derived Cell-free DNA Measurements for Detecting Allograft Rejection in a Kidney Transplant Recipient After PD-1 Checkpoint Inhibitor Administration	Lakhani	Transplant Direct	2021
Repeat Transplants			
Repeat kidney transplant recipients with active rejection have elevated donor-derived cell-free DNA	Mehta	AJT	2019
Impact of kidney transplant type and previous transplant on baseline donor-derived cell-free DNA	Sureshkumar	Transplant International	2020
Surveillance			
Clinical Rationale for Routine Testing Schedule Using Donor-Derived Cell-Free DNA After Kidney Transplantation	Pai	Ann Transplant	2021
Longitudinal Variance of Donor-Derived Cell-Free DNA (dd-cfDNA) in Stable Kidney Transplant (KTx) Patients are Influenced by Donor/Recipient Variables	Anand	Clin Transplant	2021
Transition of Renal Patients Using AlloSure Into Community Kidney Care (TRACK): Protocol for Long-Term Allograft Surveillance in Renal Transplant Recipients	Dale	JMIR Research Protocols	2021

For the latest on AlloSure visit caredx.com, or email info@caredx.com