



Patrick G., kidney transplant recipient

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

AlloSure is a Broadly-Adopted and Clinically Validated Surveillance Tool

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

**14**   
**Center**  
 Prospective  
 Validation Trial

**30+**   
**Journal**  
**Publications**

## February 2021 – Publications to Date

Publication	Main Author	Journal	Year
<b>Kidney Transplant Studies</b>			
<b>Analytical Validation</b>			
Validation of a Clinical-Grade Assay to Measure Donor-Derived Cell-Free DNA in Solid Organ Transplant Recipients	Grskovic	JALM	2016
<b>Antibody Mediated Rejection</b>			
Donor-Derived Cell-Free DNA Identifies Antibody-Mediated Rejection in Donor-Specific Antibody-Positive Kidney Transplant Recipients	Jordan	Transplantation Direct	2018
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
<b>Biopsy (Improvement Over)</b>			
Donor-Derived Cell-Free DNA combined with Histology improves prediction GFR in KTR C/W Histology alone	Huang	Transplantation Direct	2020
<b>Cancer</b>			
Kidney retransplantation after anti-programmed cell death-1 (PD-1)-related allograft rejection	Lipson	AJT	2020
<b>COVID (Utility in the Era of)</b>			
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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General Utility			
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
Biological Variation of Donor-Derived Cell-Free DNA in Renal Transplant Recipients: Clinical Implications	Bromberg	JALM	2017
Adding Insult on Injury: Immunogenic Role for Donor-Derived Cell-free DNA?	Dholakia	Transplantation	2020
The Evolution and Innovation of Donor-Derived Cell-Free DNA Testing in Transplantation	Wong	Journal of Medical Diagnostic Methods	2020
Immuno-Optimization			
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)			
<b>DART:</b> Cell-Free DNA and Active Rejection in Kidney Allografts	Bloom	JASN	2017
<b>RADAR:</b> High levels of dd-cfDNA identify patients with TCMR 1A and borderline allograft rejection at elevated risk of graft injury	Stites	AJT	2020
dd-cfDNA May Confirm Real-Time Response to Treatment of Acute Rejection in Renal Transplant Patients	Hinojosa	Transplantation	2019
Kidney retransplantation after anti-PD-1-related allograft rejection	Lipson	AJT	2020
Dynamic Response of Donor-Derived Cell-Free DNA Following Treatment of Acute Rejection in Kidney Allografts	Wolf-Doty	Kidney360	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
Heart Transplant Studies			
Circulating cell-free DNA enables noninvasive diagnosis of heart transplant rejection	DeVlaminck	Science Translation Med	2014
Donor derived cell free DNA in D-OAR, a real-world clinical use heart transplant population.	Kobashigawa	JHLT	2018
Combination of cell-free DNA with gene-expression profiling in the diagnosis of acute rejection	DePasquale	JHLT	2019
Noninvasive detection of graft injury after heart transplant using donor-derived cell-free DNA: A prospective multicenter study	Khush	AJT	2019
Donor-derived cell free DNA in a heart transplant patient with Covid-19	Sperry	Clinical Transplantation	2020
Lung Transplant Studies			
<b>LARGO:</b> Plasma dd-cfDNA levels are increased during ACR after Lung Transplant: pilot data	Sayah/Ross	Transplantation Direct	2020
Single Center "Snapshot" Experience with Donor-Derived Cell-Free DNA After Lung Transplantation	Levine/Ross	Biomarker Insights	2020
Donor-derived, Cell-free DNA levels by Next Generation Targeted Sequencing are Elevated in Allograft Rejection after Lung Transplantation	Khush	European Respiratory Journal	2020



The First Donor-Derived Cell-Free DNA Test in Kidney Transplantation (2017)



First Approved Multi-Modality Test (as part of HeartCare) in Heart Transplantation (2020)



Analytically and Clinically Validated Submitted (2020)

For the latest on AlloSure visit [CareDx.com](https://www.CareDx.com), or email [info@CareDx.com](mailto:info@CareDx.com)

