

A History of Leadership and Innovation in Heart Transplantation



Roger W., heart transplant recipient

September 2022 – Publications to Date

Publication	First Author	Journal	Year
AlloMap Studies			
Nodular endocardial infiltrates (quilty lesions) cause significant variability in diagnosis of ISHLT grade 2 and 3A rejection in cardiac allograft recipients	Marboe	The Journal of Heart and Lung Transplantation	2005
The emergence of genomic and proteomic biomarkers in heart transplantation	Mehra	The Journal of Heart and Lung Transplantation	2005
The economic implications of noninvasive molecular testing for cardiac allograft rejection	Evans	The American Journal of Transplantation	2005
Molecular testing in the management of cardiac transplant recipients: initial clinical experience	Starling	The Journal of Heart and Lung Transplantation	2006
Noninvasive discrimination of rejection in cardiac allograft recipients using gene expression profiling	Deng	The American Journal of Transplantation	2006
The promise of protein-based and gene-based clinical markers in heart transplantation: from bench to bedside	Mehra	Nature Clinical Practice	2006
Gene expression profiles and B-type natriuretic peptide elevation in heart transplantation	Mehra	Circulation	2006
Clinical utilities of peripheral blood gene expression profiling in the management of cardiac transplant patients	Fang	Journal of Immunotoxicology	2007
Transplant vasculopathy is associated with increased AlloMap gene expression score	Yamani	The Journal of Heart and Lung Transplantation	2007
Gene expression profiling distinguishes a molecular signature for grade 1B mild acute cellular rejection in cardiac allograft recipients	Bernstein	The Journal of Heart and Lung Transplantation	2007
Understanding gene expression patterns in immune-mediated disorders	Dedrick	Journal of Immunotoxicology	2007
Transcriptional signals of T-cell and corticosteroid-sensitive genes are associated with future acute cellular rejection in cardiac allografts	Mehra	The Journal of Heart and Lung Transplantation	2007
Molecular testing for long-term rejection surveillance in heart transplant recipients: design of the invasive monitoring attenuation through gene expression (IMAGE) trial	Pham	The Journal of Heart and Lung Transplantation	2007
Post-transplant ischemic injury is associated with up-regulated AlloMap gene expression	Yamani	Clinical Transplantation	2007
Gene-expression profiling for rejection surveillance after cardiac transplantation	Pham	New England Journal of Medicine	2010
Concordance among pathologists in the second cardiac allograft rejection gene expression observational study (CARGO II)	Crespo-Leiro	Transplantation	2012
The impact of time post cardiac transplant on gene expression profile scores, an analysis of 32,043 tests	Austin	J Cardiovascular Disease Diagnosis	2013
Utility of gene expression profiling score variability to predict clinical events in heart transplant recipients	Deng	Transplantation	2014
Performance of gene-expression profiling test score variability to predict future clinical events in heart transplant recipients	Crespo-Leiro	BMC Cardiovascular Disorders	2015
Randomized pilot trial of gene expression profiling versus heart biopsy in the first year after heart transplant: early invasive monitoring attenuation through gene expression trial	Kobashigawa	Circulation: Heart Failure	2015
Clinical usefulness of gene-expression profile to rule out acute rejection after heart transplantation: CARGO II	Crespo-Leiro	European Heart Journal	2016
Gene expression monitoring in pediatric heart transplant recipients	Sutton	Insight Pediatr Cardiol	2016
Predictive value of gene expression profiling for long-term survival after heart transplantation	Fujita	Transplant immunology	2017
The AlloMap genomic biomarker story: 10 years after	Deng	Clinical Transplantation	2017

Gene expression profiling scores in dual organ transplant patients are similar to those in heart-only recipients	Carey	Transplant Immunology	2018
Clinical phenomapping and outcomes after heart transplantation	Bakir	The Journal of Heart and Lung Transplantation	2018
Infectious complications after heart transplantation in patients screened with gene expression profiling	Moayed	The Journal of Heart and Lung Transplantation	2019
Risk evaluation using gene expression screening to monitor for acute cellular rejection in heart transplant recipients	Moayed	The Journal of Heart and Lung Transplantation	2019
Gene expression profiling and racial disparities in outcomes after heart transplantation	Moayed	The Journal of Heart and Lung Transplantation	2019
Correlation of gene expression profiling score, cardiac hemodynamics and echocardiographic parameters in asymptomatic, rejection-free pediatric heart transplant recipients	Das	Pediatric Transplantation	2020
Impact of cytomegalovirus infection on gene expression profile in heart transplant recipients	Kanwar	The Journal of Heart and Lung Transplantation	2021
Noninvasive biomarkers for prediction and diagnosis of heart transplantation rejection	Khachatoorian	Transplantation Reviews	2021
Heart transplant Recipients' perspectives on invasive versus Non-invasive graft failure surveillance Methods	Jamil	The Journal of Heart and Lung Transplantation	2022
AlloSure Heart Studies			
Circulating cell-free DNA enables noninvasive diagnosis of heart transplant rejection	DeVlaminck	Science Translation Med	2014
Analysis of donor-derived cell-free DNA with 3-year outcomes in heart transplant recipients	Crespo-Leiro	The Journal of Heart and Lung Transplantation	2017
Noninvasive detection of graft injury after heart transplant using donor-derived cell-free DNA: a prospective multicenter study	Khush	The American Journal of Transplantation	2019
Next-generation sequencing methods to detect donor-derived cell-free DNA after transplantation	Dengu	Transplantation Reviews	2020
Adding insult on injury: immunogenic role for donor — derived cell-free DNA?	Dholakia	Transplantation	2020
Donor derived cell free DNA is associated with cardiac allograft vasculopathy	Holzhauser	Clinical Transplantation	2020
Donor-derived cell-free DNA in a heart transplant patient with COVID-19	Sperry	Clinical Transplantation	2020
Clinical utility of donor-derived cell-free DNA testing in cardiac transplantation	Khush	The Journal of Heart and Lung Transplantation	2021
Donor-Derived Cell-Free DNA for Acute Rejection Monitoring in Heart and Lung Transplantation	Keller	Current Transplantation Reports	2021
Early findings after integration of donor-derived cell-free DNA into clinical care following pediatric heart transplantation	Feingold	Pediatric Transplantation	2021
Cell-free DNA as a solid-organ transplant biomarker: technologies and approaches	Edwards	Biomarkers in Medicine	2022
Noninvasive biomarkers in heart transplant: 2020–2021 year in review	Xiaoxiao	Current Opinion in Organ Transplantation	2022
Evolving the surveillance and workup of heart transplant rejection: a real-world analysis of the Molecular Microscope Diagnostic System	Alam	American Journal of Transplantation	2022
HeartCare Studies			
A changing paradigm in heart transplantation: an integrative approach for invasive and non-invasive allograft rejection monitoring	Giarraputo	Biomolecules	2021
Single-center utilization of donor-derived cell-free DNA testing in the management of heart transplant patients	Gondi	Clinical Transplantation	2021
Variability in Donor-Derived Cell-Free DNA Scores to Predict Mortality in Heart Transplant Recipients – A Proof-of-Concept Study	Kamath	Frontiers in Immunology	2022
Sparing the Prod: Providing an Alternative to Endomyocardial Biopsies With Noninvasive Surveillance After Heart Transplantation During COVID-19	Amadio	CJC Open	2022
Combining Donor Derived Cell Free DNA and Gene Expression Profiling for Non-Invasive Surveillance after Heart Transplantation	Henricksen	Clinical Transplantation	2022



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

