



Kiran Kaur Khush, MD

Professor of Medicine (Cardiovascular Medicine)

Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

After growing up in the Philippines (albeit of Indian descent), Kiran Kaur Khush graduated with Honors and Distinction in Biological Sciences from Stanford University. She completed her medical training at Harvard University and medical residency at the University of California at San Francisco (UCSF), followed by general cardiology training and advanced training in heart failure, heart transplantation, pulmonary hypertension, and echocardiography at UCSF. She then joined the faculty at UCSF while concomitantly earning a Masters' Degree in Clinical Research and Epidemiology. Dr. Khush moved back to Stanford University in 2008 upon joining the faculty in the Division of Cardiovascular Medicine, where she focuses on clinical and translational research in the field of heart transplantation. She also maintains an active general cardiology practice.

Mother to three young children, Dr. Khush enjoys international travel and a quiet moment with a good book.

CLINICAL FOCUS

- Cardiovascular Medicine
- Heart Transplantation
- Heart Failure
- Mechanical circulatory support
- Advanced Heart Failure and Transplant Cardiology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Instructor, Cardiovascular Medicine, Stanford University, (2008-2011)
- Assistant Professor of Medicine, Cardiovascular Medicine, (2011-2015)

- Associate Professor of Medicine, Cardiovascular Medicine, (2015-2020)
- Professor of Medicine, Cardiovascular Medicine, (2020- present)

HONORS AND AWARDS

- House Officer of the Year Award, San Francisco General Hospital (2001)
- Julius R. Krevans Award for Clinical Excellence, University of California San Francisco (2001)
- Postdoctoral Research Fellowship Award, American Heart Association (2006)
- Fellow, American College of Cardiology (2008)
- Beginning Grant-in-Aid, American Heart Association (2008)
- K23 Career Development Award, National Institutes of Health (2009)
- Transplant Registry Early Career Award, International Society for Heart and Lung Transplantation (2010)
- Clinical Research Program Award, American Heart Association (2010)
- R01 Research Project Grant, National Institutes of Health (2014)

PROFESSIONAL EDUCATION

- Medical Education: Harvard Medical School (2000) MA
- Board Certification: Advanced Heart Failure and Transplant Cardiology, American Board of Internal Medicine (2010)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2006)
- Fellowship: UCSF Dean's Office Postdoctoral Education (2006) CA
- Residency: UCSF-Graduate Medical Education (2003) CA
- MAS, Univ of California San Francisco , Clinical Research (2008)
- Fellowship, Univ of California San Francisco , Heart Transplant, Heart Failure, (2006)
- Fellowship, Univ of California San Francisco , Echocardiography (Level III) (2006)
- Fellowship, Univ of California San Francisco , General Cardiology (2005)
- Residency, Univ of California San Francisco , Internal Medicine (2003)
- MD, Harvard University , Medicine (2000)
- BSc with Honors and Distinction, Stanford University , Biology (1995)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Khush's clinical research interests include the evaluation of donors and recipients for heart transplantation; mechanisms of adverse outcomes after heart transplantation, including cardiac allograft vasculopathy and antibody-mediated rejection; and development of non-invasive diagnostic approaches for post-transplant monitoring.

CLINICAL TRIALS

- Tocilizumab in Cardiac Transplantation, Not Recruiting
- Utility of Donor-Derived Cell Free DNA in Association With Gene Expression Profiling, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Is Equity Being Traded for Access to Heart Transplant?** *JAMA*
Heidenreich, P. A., Lewis, E. F., Khush, K. K.
2024
- **Research Opportunities and Ethical Considerations for Heart and Lung Xenotransplantation Research: A report from a National Heart, Lung, and Blood Institute workshop.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Khush, K. K., Bernat, J. L., Pierson, R. N., Silverman, H. J., Parent, B., Glazier, A. K., Adams, A. B., Fishman, J. A., Gusmano, M., Hawthorne, W. J., Homan, M. E., Hurst, D. J., Latham, et al
2024
- **Sex-Specific Patterns of Donor-Derived Cell-Free DNA in Heart Transplant Rejection: An Analysis from the Genomic Research Alliance for Transplantation (GRAFT).** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
DeFilippis, E. M., Sweigart, B., Khush, K. K., Shah, P., Agbor-Enoh, S., Valantine, H. A., Vest, A. R.
2024
- **Knowledge Gaps in Heart and Lung Donation after the Circulatory Determination of Death: Report of a Workshop of the National Heart, Lung, and Blood Institute.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Bernat, J. L., Khush, K. K., Shemie, S. D., Hartwig, M. G., Reese, P. P., Ave, A. D., Brendan Parent, J. D., Glazier, A. K., Capron, A. M., Craig, M., Gofton, T., Gordon, E. J., Healey, et al
2024
- **Post-transplant Survival after Normothermic Regional Perfusion vs Direct Procurement and Perfusion in Donation after Circulatory Determination of Death Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Ran, G., Wall, A. E., Narang, N., Khush, K. K., Hoffman, J. R., Zhang, K. C., Parker, W. F.
2024
- **Development and Validation of a Risk Score Predicting Death Without Transplant in Adult Heart Transplant Candidates.** *JAMA*
Zhang, K. C., Narang, N., Jasseron, C., Dorent, R., Lazenby, K. A., Belkin, M. N., Grinstein, J., Mayampurath, A., Churpek, M. M., Khush, K. K., Parker, W. F.
2024; 331 (6): 500-509
- **Donor Electrocardiogram Associations With Cardiac Dysfunction, Heart Transplant Use, and Survival: The Donor Heart Study.** *JACC. Heart failure*
Tapaskar, N., Wayda, B., Malinoski, D., Luikart, H., Groat, T., Nguyen, J., Belcher, J., Nieto, J., Neidlinger, N., Salehi, A., Geraghty, P. J., Nicely, B., Jendrisak, et al
2024
- **The Importance of Randomized, Controlled Trials in the Care of Organ Donors.** *The New England journal of medicine*
Khush, K. K.
2023; 389 (22): 2098-2099
- **Towards Allograft Longevity: Leveraging Omics Technologies to Improve Heart Transplant Outcomes.** *Current heart failure reports*
Truby, L. K., Maamari, D., Saha, A., Farr, M., Abdulrahim, J., Billia, F., Peltz, M., Khush, K. K., Wang, T. J.
2023
- **Disparities in donor heart acceptance between the USA and Europe: clinical implications.** *European heart journal*
Wayda, B., Angleitner, P., Smits, J. M., van Kins, A., Berchtold-Herz, M., De Pauw, M., Erasmus, M. E., Gummert, J., Hartyanszky, I., Knezevic, I., Laufer, G., Milicic, D., Rega, et al
2023
- **Prognostic value of intravascular ultrasound early after heart transplantation.** *European heart journal*

- Arora, S., Zimmermann, F. M., Solberg, O. G., Nytrøen, K., Aaberge, L., Okada, K., Ahn, J. M., Honda, Y., Khush, K. K., Angeras, O., Karason, K., Gullestad, L., Fearon, et al
2023
- **HLA sensitization is associated with an increased risk of primary graft dysfunction after heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Han, J., Rushakoff, J., Moayedi, Y., Henriksen, E., Lee, R., Helen Luikart, R. N., Shalakhti, O., Gragert, L., Benck, L., Malinoski, D., Kobashigawa, J., Teuteberg, J., Khush, et al
2023
 - **TEMPORARY REMOVAL: Heart Failure Epidemiology and Outcomes Statistics: A Report of the Heart Failure Society of America.** *Journal of cardiac failure*
Bozkurt, B., Ahmad, T., Alexander, K., Baker, W. L., Bosak, K., Breathett, K., Fonarow, G. C., Heidenreich, P., Ho, J. E., Hsich, E., Ibrahim, N. E., Jones, L. M., Khan, et al
2023
 - **Selection and Interpretation of Molecular Diagnostics in Heart Transplantation.** *Circulation*
Goldberg, J. F., Truby, L. K., Agbor-Enoh, S., Jackson, A. M., deFilippi, C. R., Khush, K. K., Shah, P.
2023; 148 (8): 679-694
 - **Predicted Heart Mass: A Tale of 2 Ventricles.** *Circulation. Heart failure*
Ródenas-Alesina, E., Foroutan, F., Fan, C. P., Stehlik, J., Bartlett, I., Tremblay-Gravel, M., Aleksova, N., Rao, V., Miller, R. J., Khush, K. K., Ross, H. J., Moayedi, Y.
2023: e008311
 - **Understanding and Investigating Sex-Based Differences in Heart Transplantation: A Call to Action.** *JACC. Heart failure*
DeFilippis, E. M., Nikolova, A., Holzhauser, L., Khush, K. K.
2023
 - **Left Ventricular Dysfunction Associated With Brain Death: Results From the Donor Heart Study.** *Circulation*
Khush, K. K., Malinoski, D., Luikart, H., Wayda, B., Groat, T., Nguyen, J., Belcher, J., Nieto, J., Neidlinger, N., Salehi, A., Geraghty, P. J., Nicely, B., Jendrisak, et al
2023
 - **The Time to Act Is Now: Racial Disparities After Heart Transplantation.** *Circulation*
Khush, K. K., Valentine, H. A.
2023; 148 (3): 207-209
 - **Association of High-Priority Exceptions with Waitlist Mortality Among Heart Transplant Candidates.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Johnson, D. Y., Ahn, D., Lazenby, K., Zeng, S., Zhang, K., Narang, N., Khush, K., Parker, W. F.
2023
 - **The International Society for Heart and Lung Transplantation (ISHLT) guidelines for the care of heart transplant recipients.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Velleca, A., Shullo, M. A., Dhital, K., Azeka, E., Colvin, M., DePasquale, E., Farrero, M., García-Guereta, L., Jamero, G., Khush, K., Lavee, J., Pouch, S., Patel, et al
2023; 42 (5): e1-e141
 - **How to Make the Transplantation Allocation System Better.** *JACC. Heart failure*
Khush, K. K., Sandhu, A. T., Parker, W. F.
2023; 11 (5): 516-519
 - **Rethinking Donor and Recipient Risk Matching in Europe and North America: Using Heart Transplant Predictors of Donor and Recipient Risk.** *Circulation. Heart failure*
Moayedi, Y., Rodenas-Alesina, E., Mueller, B., Fan, C. S., Cherikh, W. S., Stehlik, J., Teuteberg, J. J., Ross, H. J., Khush, K. K.
2023; 16 (5): e009994
 - **IMPACT OF MYOCARDIAL BRIDGING ON LONG TERM OUTCOMES AFTER HEART TRANSPLANTATION: AN INTRAVASCULAR ULTRASOUND OBSERVATION FROM AN INTERNATIONAL MULTICENTER HEART TRANSPLANT REGISTRY**
Saito, K., Okada, K., Sakagami, A., Angeras, O., Arora, S., Gullestad, L., Ahn, J., Park, S., Zimmermann, F., Luikart, H., Khush, K., Fearon, W., Honda, et al

ELSEVIER SCIENCE INC.2023: 1390

- **Impact of myocardial bridging on coronary artery plaque formation and long-term mortality after heart transplantation.** *International journal of cardiology*
Tanaka, S., Okada, K., Kitahara, H., Luikart, H., Yock, P. G., Yeung, A. C., Schnittger, I., Tremmel, J. A., Fitzgerald, P. J., Khush, K. K., Fearon, W. F., Honda, Y.
2023
- **COMPLETE HEART BLOCK POST TRANSPLANT- A RARE CASE OF CARDIAC SARCOIDOSIS RECURRENCE**
Bahl, A., Yogeswaran, V., Khush, K., Teuteberg, J., Cheng, R.
ELSEVIER SCIENCE INC.2023: 2650
- **The Evolving Use of Biomarkers in Heart Transplantation: Consensus of an Expert Panel.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Kobashigawa, J., Hall, S., Shah, P., Fine, B., Halloran, P., Jackson, A. M., Khush, K. K., Margulies, K. B., Sani, M. M., Patel, J. K., Patel, N., Peyster, E.
2023
- **Primary Graft Dysfunction Is Associated With Development of Early Cardiac Allograft Vasculopathy, but Not Other Immune-mediated Complications, After Heart Transplantation.** *Transplantation*
Han, J., Moayedi, Y., Henriksen, E. J., Waddell, K., Valverde-Twiggs, J., Kim, D., Luikart, H., Zhang, B. M., Teuteberg, J., Khush, K. K.
2023
- **Preemptive treatment of de novo donor-specific antibodies in lung transplant patients reduces subsequent risk of chronic lung allograft dysfunction or death.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Keller, M., Yang, S., Ponor, L., Bon, A., Cochrane, A., Philogene, M., Bush, E., Shah, P., Mathew, J., Brown, A. W., Kong, H., Charya, A., Luikart, et al
2023
- **The End of Endomyocardial Biopsy?: A Practical Guide for Noninvasive Heart Transplant Rejection Surveillance.** *JACC. Heart failure*
Holzhauser, L., DeFilippis, E. M., Nikolova, A., Byku, M., Contreras, J. P., De Marco, T., Hall, S., Khush, K. K., Vest, A. R.
2023
- **Donor hyperoxia is a novel risk factor for severe cardiac primary graft dysfunction.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Kransdorf, E. P., Rushakoff, J. A., Han, J., Benck, L., Malinoski, D., Emerson, D., Catarino, P., Rampolla, R., Kobashigawa, J. A., Khush, K. K., Patel, J. K.
2023
- **Utilization of COVID-19 positive donors for Heart transplantation and associated short-term outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
DeFilippis, E. M., Wayda, B., Lala, A., Givertz, M. M., Khush, K. K.
2022
- **Tumor Microenvironment Determinants of Immunotherapy Response Identified By Integrated Host & Viral Analysis of Post-Transplant Lymphoproliferative Disorders**
Schroers-Martin, J., Garofalo, A., Soo, J., Boegeholz, J., Alig, S. K., Sworder, B., Liu, C., Luikart, H., Gamino, G., Morales, D., Freystaetter, K., Hamilton, J., Kurtz, et al
AMER SOC HEMATOLOGY.2022
- **Contemporary Management of Cardiogenic Shock During Pregnancy.** *Journal of cardiac failure*
Tapaskar, N., Tremblay-Gravel, M., Khush, K. K.
2022
- **Clinical features and allograft failure rates of pulmonary antibody-mediated rejection categories.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Charya, A. V., Ponor, I. L., Cochrane, A., Levine, D., Philogene, M., Fu, Y. P., Jang, M. K., Kong, H., Shah, P., Bon, A. M., Krishnan, A., Mathew, J., Luikart, et al
2022
- **Donor heart selection: Evidence-based guidelines for providers.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Copeland, H., Knezevic, I., Baran, D. A., Rao, V., Pham, M., Gustafsson, F., Pinney, S., Lima, B., Masetti, M., Ciarka, A., Rajagopalan, N., Torres, A., Hsich, et al
2022
- **Early Trends in Cardiac Allograft Vasculopathy After Implementation of the 2018 Donor Heart Allocation Policy in the United States: Short Title: CAV Trend After Allocation Policy Change.** *American heart journal*

- Tehrani, D. M., Kim, J. S., Hsu, J. J., Nsair, A., Khush, K. K., Fearon, W. F., Parikh, R. V.
2022
- **Data Carve Out in the Midst of the COVID-19 Pandemic.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Mannon, R. B., Khush, K. K., Mohan, S., Vock, D. M., Knight, R., Pittman, J., Zinner, C., Orlowski, J. O.
2022
 - **Circulating microRNAs in cellular and antibody-mediated heart transplant rejection.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Shah, P., Agbor-Enoh, S., Bagchi, P., deFilippi, C. R., Mercado, A., Diao, G., Morales, D. J., Shah, K. B., Najjar, S. S., Feller, E., Hsu, S., Rodrigo, M. E., Lewsey, et al
2022
 - **Indications, Complications, and Outcomes of Cardiac Surgery After Heart Transplantation: Results From the Cash Study.** *Frontiers in cardiovascular medicine*
Gökler, J., Aliabadi-Zuckermann, A. Z., Kaider, A., Ambardekar, A. V., Antretter, H., Artemiou, P., Bertolotti, A. M., Boeken, U., Brossa, V., Copeland, H., Generosa Crespo-Leiro, M., Eixeré-Esteve, A., Epailly, et al
2022; 10: 879612
 - **Combining donor derived cell free DNA and gene expression profiling for non-invasive surveillance after heart transplantation.** *Clinical transplantation*
Henricksen, E. J., Moayed, Y., Purewal, S., Twiggs, J. V., Waddell, K., Luikart, H., Han, J., Feng, K., Wayda, B., Lee, R., Shudo, Y., Jimenez, S., Khush, et al
2022: e14699
 - **Expecting the unexpected, and prioritizing the predictable.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Wayda, B., Khush, K. K.
2022
 - **Heart transplantation: focus on donor recovery strategies, left ventricular assist devices, and novel therapies.** *European heart journal*
Crespo-Leiro, M. G., Costanzo, M. R., Gustafsson, F., Khush, K. K., Macdonald, P. S., Potena, L., Stehlik, J., Zuckermann, A., Mehra, M. R.
2022
 - **Challenges Encountered in Conducting Donor-Based Research: Lessons Learned from the Donor Heart Study.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Khush, K. K., Luikart, H., Neidlinger, N., Salehi, A., Nguyen, J., Geraghty, P. J., Belcher, J., Nicely, B., Jendrisak, M., Pearson, T., Wood, R. P., Groat, T., Wayda, et al
2022
 - **Temporal shift and predictive performance of machine learning for heart transplant outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Miller, R. J., Sabovcik, F., Cauwenberghs, N., Vens, C., Khush, K. K., Heidenreich, P. A., Haddad, F., Kuznetsova, T.
2022
 - **Comparison of donor-derived cell-free DNA between single vs. double lung transplant recipients.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Keller, M. B., Meda, R., Fu, S., Yu, K., Jang, M. K., Charya, A., Berry, G. J., Marboe, C. C., Kong, H., Luikart, H., Ponor, I. L., Shah, P. D., Khush, et al
2022
 - **Evolving Characteristics of Heart Transplantation Donors and Recipients: JACC Focus Seminar.** *Journal of the American College of Cardiology*
DeFilippis, E. M., Khush, K. K., Farr, M. A., Fiedler, A., Kilic, A., Givertz, M. M.
2022; 79 (11): 1108-1123
 - **Donor selection for multiorgan transplantation.** *Current opinion in organ transplantation*
Hsiao, S., Khush, K. K.
1800; 27 (1): 52-56
 - **Microcirculatory Resistance Predicts Allograft Rejection and Cardiac Events After Heart Transplantation.** *Journal of the American College of Cardiology*
Ahn, J., Zimmermann, F. M., Gullestad, L., Angeras, O., Karason, K., Russell, K., Lunde, K., Okada, K., Luikart, H., Khush, K. K., Honda, Y., Pijls, N. H., Lee, et al
2021; 78 (24): 2425-2435

- **Proceedings from the metrics forum in heart transplantation for performance monitoring.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Kobashigawa, J., Hall, S., Farr, M., Blumberg, E., Michael Borkon, A., Colvin, M., Copeland, H., Eisen, H., Johnson, M., Jorde, U., Khush, K., Kirklin, J. K., Patel, et al
2021
- **Optimal Patient Selection for Simultaneous Heart-Kidney Transplant: A Modified Cost-Effectiveness Analysis**
Wayda, B., Cheng, X. S., Goldhaber-Fiebert, J. D., Khush, K. K.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Optimal patient selection for simultaneous heart-kidney transplant: a modified cost-effectiveness analysis.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Wayda, B., Cheng, X. S., Goldhaber-Fiebert, J. D., Khush, K. K.
2021
- **Prognostic value of comprehensive intracoronary physiology assessment early after heart transplantation.** *European heart journal*
Ahn, J., Zimmermann, F. M., Arora, S., Solberg, O., Angeras, O., Rolid, K., Rafique, M., Aaberge, L., Karason, K., Okada, K., Luikart, H., Khush, K. K., Honda, et al
2021
- **Risk of Renal Dysfunction Following Heart Transplantation in Patients Bridged with a Left Ventricular Assist Device.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Tibrewala, A., Khush, K. K., Cherikh, W. S., Foutz, J., Stehlik, J., Rich, J. D.
2021
- **Impact of diabetes mellitus on clinical outcomes after heart transplantation.** *Clinical transplantation*
Feng, K. Y., Henriksen, E. J., Wayda, B., Moayed, Y., Lee, R., Han, J., Multani, A., Yang, W., Purewal, S., Puing, A. G., Basina, M., Teuteberg, J. J., Khush, et al
2021
- **REGIONAL DIFFERENCES IN PRIMARY GRAFT DYSFUNCTION IN HEART TRANSPLANTATION: A REPORT FROM THE INTERNATIONAL CONSORTIUM ON PRIMARY GRAFT DYSFUNCTION**
Guzman-Bofarull, J., Han, J., Moayed, Y., Foroutan, F., Truby, L., Angleitner, P., Sabatino, M., Baughan, E., Zafar, H., Felius, J., van Zyl, J., Law, D., Chih, et al
WILEY.2021: 203
- **Cost-effectiveness of Dapagliflozin for Treatment of Patients With Heart Failure With Reduced Ejection Fraction.** *JAMA cardiology*
Parizo, J. T., Goldhaber-Fiebert, J. D., Salomon, J. A., Khush, K. K., Spertus, J. A., Heidenreich, P. A., Sandhu, A. T.
2021
- **COST-EFFECTIVENESS AND SYSTEM-WIDE IMPACT OF USING HEPATITIS C-VIREMIC DONORS FOR HEART TRANSPLANT**
Wayda, B., Sandhu, A., Parizo, J., Teuteberg, J., Khush, K.
ELSEVIER SCIENCE INC.2021: 3417
- **STATIN ADHERENCE AFTER HEART TRANSPLANTATION: AN OUTCOMES ANALYSIS**
Li, K., Kalwani, N., Sandhu, A., Khush, K., Fearon, W.
ELSEVIER SCIENCE INC.2021: 569
- **Waitlist and post-transplant outcomes for Eisenmenger syndrome: A comparison of transplant strategies.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Kearney, K., Lau, E. M., Darley, D., Romfh, A., Bart, N., Kotlyar, E., Hayes, D. J., Khush, K., Keogh, A.
2021
- **Incidence and impact of primary graft dysfunction in adult heart transplant recipients: A systematic review and meta-analysis.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Buchan, T. A., Moayed, Y., Truby, L. K., Guyatt, G., Posada, J. D., Ross, H. J., Khush, K. K., Alba, A. C., Foroutan, F.
2021
- **Use of donor-derived-cell-free DNA as a marker of early allograft injury in primary graft dysfunction (PGD) to predict the risk of chronic lung allograft dysfunction (CLAD).** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Keller, M., Bush, E., Diamond, J. M., Shah, P., Matthew, J., Brown, A. W., Sun, J., Timofte, I., Kong, H., Tunc, I., Luikart, H., Iacono, A., Nathan, et al
2021

- **Clinical utility of donor-derived cell-free DNA testing in cardiac transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Khush, K. K.
2021
- **Consensus Conference on Heart-Kidney Transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Kobashigawa, J., Dadhania, D. M., Farr, M., Tang, W. H., Bhimaraj, A., Czer, L., Hall, S., Haririan, A., Formica, R. N., Patel, J., Skorka, R., Fedson, S., Srinivas, et al
2021
- **New Onset Diabetes Mellitus After Adult Heart Transplantation and the Risk of Renal Dysfunction or Mortality.** *Transplantation*
Vest, A. R., Cherikh, W. S., Noreen, S. M., Stehlik, J., Khush, K. K.
2021
- **Donor and Recipient Size Matching in Heart Transplantation with Predicted Heart and Lean Body Mass.** *Seminars in thoracic and cardiovascular surgery*
Miller, R. J., Hedman, K. n., Amsallem, M. n., Tulu, Z. n., Kent, W. n., Fatehi, A. n., Clarke, B. n., Heidenreich, P. n., Hiesinger, W. n., Khush, K. K., Teuteberg, J. n., Haddad, F. n.
2021
- **Impact of using higher-risk donor hearts for candidates with pre-transplant mechanical circulatory support.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Han, J., Moayedi, Y., Yang, W., Henriksen, E. J., Lee, R., Purewal, S., Chang, E., Duclos, S., Lyapin, A., Feng, K., Hiesinger, W., Teuteberg, J. J., Khush, et al
2021
- **Cardiopulmonary Exercise Testing With Echocardiography to Assess Recovery in Patients With Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Christle, J. W., Moneghetti, K. J., Duclos, S., Mueller, S., Moayedi, Y., Khush, K. K., Haddad, F., Hiesinger, W., Myers, J., Ashley, E. A., Teuteberg, J. J., Wheeler, M. T., Banerjee, et al
2021; 67 (10): 1134-1138
- **Cytomegalovirus Donor Seropositivity Negatively Affects Survival After Heart Transplantation.** *Transplantation*
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