Stanford



Kiran Khush, MD

Professor of Medicine (Cardiovascular Medicine)

Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

  Tawny Bagnol - Administrative Associate

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Bio

BIO

Dr. Kiran Kaur Khush is a board-certified, fellowship-trained heart failure cardiologist at Stanford Health Care. Dr. Khush is also a professor in the Department of Medicine, Division of Cardiovascular Medicine at Stanford University School of Medicine.

Dr. Khush specializes in caring for patients with advanced heart failure and those needing a heart transplant or mechanical circulatory support. She is dedicated to delivering patient-centered, compassionate care and improving quality of life for people with heart failure.

Dr. Khush's research interests include developing evidence-based guidelines for evaluating and accepting donor hearts for transplantation. She also studies novel ways to monitor for and prevent early and long-term complications after heart transplantation.

Dr. Khush has coauthored more than 200 articles in peer-reviewed journals, including Circulation, Journal of the American College of Cardiology, Science Translational Medicine, and The Lancet. She has also presented to her peers at international and national meetings, including annual sessions of the International Society for Heart and Lung Transplantation (ISHLT) and the American Society of Transplantation.

Throughout her career, Dr. Khush has been an active member of the ISHLT and has served on many of the organization's committees.

CLINICAL FOCUS

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

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance

ADMINISTRATIVE APPOINTMENTS

- Member, Heart Failure and Transplant Medicine Council, ISHLT, (2005- present)
- Assistant Professor of Clinical Medicine, Division of Cardiology, UCSF School of Medicine, (2007-2008)
- Instructor, Cardiovascular Medicine, Stanford University, (2008-2011)
- Member, Donor Management Leadership Committee, Department of Health and Human Services, (2010-2017)
- Assistant Professor of Medicine, Cardiovascular Medicine, (2011-2015)
- Assistant Professor of Medicine, Cardiovascular Medicine, Stanford University School of Medicine, (2011-2015)
- Member, Medical Advisory Board, Donor Network West, (2011- present)
- Research Consultant, Donor Network West, (2011- present)
- Scientific Advisor, CareDx, (2014- present)
- Associate Professor of Medicine, Cardiovascular Medicine, (2015-2020)
- Associate Professor of Medicine, Cardiovascular Medicine, Stanford University School of Medicine, (2015-2020)
- Associate Editor, American Journal of Transplantation, (2019-2023)
- Topic Editor, Heart Failure Self-Assessment Program (HF SAP), ACC and Heart Failure Society of America (HFSA), (2019- present)
- Member, Board of Directors, (2020-2023)
- Member, Abstract Selection and Symposium Planning Committee, AHA Annual Scientific Sessions, (2020- present)
- Professor of Medicine, Cardiovascular Medicine, (2020- present)
- Member, Standing Evaluation Unit, Division of Cardiovascular Medicine, Stanford University, (2021- present)
- Abstract Reviewer, American College of Cardiology (ACC) Annual Scientific Sessions, (2022- present)
- Board Liaison, Research Oversight Committee, ISHLT, (2022- present)
- Member, Leading to Equitably Navigate Searches (LENS) Committee, Stanford University Department of Medicine, (2023- present)
- Member, Executive Program Planning Committee, ISHLT Annual Meeting and Scientific Sessions, (2023- present)
- Guest Editor, The Journal of Heart and Lung Transplantation, (2024- 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)
- 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

- **Measured Left Ventricular Mass Ratio for Size-Matching Identifies Graft Failure Risk in Obese Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  O'Donnell, C., Kim, J. S., Hu, J., Henricksen, E. J., Karius, A. K., Goerlich, C., Zhang, S., Weng, Y., Zaroff, J., Sun, L. Y., Haddad, F., Wayda, B., Khush, et al

  2026

- **Impact of the Safety-Net Kidney-After-Heart Transplant Policy on Simultaneous Heart-Kidney Transplant Volume and Outcomes in the United States.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*

  Jacobs, J. A., Carter, S. J., Molnar, M. Z., Sideris, K., Jenca, D., DeFilippis, E. M., Khush, K. K., Florido, R., Benes, J., Mehta, A., Drakos, S. G., Davis, S., Sarpolis, et al

  2026

- **Safety-Net Kidney Transplantation Maintains Kidney Graft Survival Compared with Simultaneous Heart-Kidney Transplantation**
  Jacobs, J., Carter, S., Molnar, M., Sideris, K., DeFilippis, E. M., Jenca, D., Khush, K. K., Florido, R., Benes, J., Mehta, A., Drakos, S. G., Davis, S., Sarpolis, et al
  LIPPINCOTT WILLIAMS & WILKINS.2026: A5298

- **International approaches to regulation and outcome monitoring in heart transplantation.** *JHLT open*
  Louca, J. O., Domínguez-Gil, B., González-Vilchez, F., Khush, K. K., Lebreton, G., Knosalla, C., Guajardo, J., Jenner, W., Sinha, S., Köhne, M., Lewis, C., Rubino, A., Berman, et al
  2026; 14: 100671

- **Right ventricular remodeling after veno-venous extracorporeal membrane oxygenation bridge to lung transplantation in adults with severe lung disease.** *JHLT open*
  O'Donnell, C., Celestin, B., Rios-Monterrosa, J., Perottino, G., Jeon, H. D., Kent, K. E., Sun, L. Y., Khush, K. K., Haddad, F., Vogelsong, M. A.
  2026; 14: 100681

- **Utility of Donor-Recipient HLA Matching in Heart Transplantation in the Era of Extended Donor Organ Preservation: A Multi-Institutional Analysis.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Stehlik, J., Farr, M., Lindblad, K., Conway, J. L., Laurent, P. S., Lindenfeld, J., Martinez, A., Khush, K., Jessup, M.
  2026

- **Donor-Recipient Sex Mismatch is Associated with Severe Primary Graft Dysfunction after Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Moayedifar, R., Zuckerman, A., Moayedi, Y., Huang, R., Dhingra, N. K., Truby, L. K., Han, J., Henricksen, E., Ródenas-Alesina, E., Guzman-Bofarull, J., Couto-Mallon, D., Luikart, H., Signorile, et al
  2026

- **Unintended Shifts in High-Priority Adult Heart Transplant Listings after the OPTN's September 2025 Policy Change.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Ramos, C., Horwitz, A., Singer, R., White, M., Narang, N., Khush, K. K., Parker, W. F., Ahn, D. J.
  2026

- **Development and Validation of an Adult Medical Urgency Score for US Donor Heart Allocation.** *JAMA*
  Lyden, G. R., White, M., Ahn, D. J., Menteer, J., Daly, R. C., Narang, N., Khush, K. K., Jasseron, C., Dorent, R., Masotti, M., Wood, N. L., Colvin, M. M., Gentry, et al
  2026

- **Gut microbiome shifts in chronic systolic heart failure are associated with disease severity and clinical improvement.** *Nature cardiovascular research*
  Mamic, P., Shi, H., Zhou, W., Bararpour, N., Contrepois, K., Park, H., Avina, M., Schüssler-Fiorenza Rose, S. M., Brooks, A. W., Kotaka, M., Heidenreich, P. A., Khush, K. K., Fowler, et al
  2026

- **Elevated Donor-Derived Cell-Free DNA in Heart Transplants Beyond 5 Years: Early Warning or False Alarm?** *Journal of the American Heart Association*
  Kim, J. S., Henricksen, E., Pak, J., Moayedi, Y., Teuteberg, J., Valantine, H., Khush, K. K.
  2026: e052197

- **Under-Capture of Candidates Supported by Temporary Mechanical Circulatory Support in the OPTN STAR Registry.** *JACC. Advances*
  Ahn, D. J., Attia, A., Nakayama, T., Parker, W. F., Khush, K. K.
  2026; 5 (10 Pt 2): 103213

- **Heart transplant outcomes with use of pediatric donors for adult recipients: Insights from the International PGD Consortium.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Dhingra, N. K., Leal, V. J., Signorile, M., Foroutan, F., Hastenteufel, L., Rodenas-Alesina, E., Fan, C. S., Truby, L., Henricksen, E., Chih, S., Farrero Torres, M., Guzman-Bofarull, J., Rivas-Lasarte, et al
  2026

- **Short-Term Mechanical Circulatory Support Before Heart Transplantation and Early Outcomes: Insights From the International Primary Graft Dysfunction Consortium.** *Journal of cardiac failure*
  Rivas-Lasarte, M., Rodenas-Alesina, E., Moayedi, Y., Truby, L. K., Foroutan, F., Henricksen, E., Signorile, M., Dhingra, N. K., Hastenteufel, L., Fan, C. S., Guzman-Bofarull, J., Farrero-Torres, M., Khush, et al

2026; 32 (9): 1529-1539

- **A Renaissance in Heart Transplantation.** *Journal of cardiac failure*
  DeFilippis, E. M., Starling, R. C., Khush, K.
  2026; 32 (9): 1483-1484

- **Beyond Lactate: Proteomic Prediction of Primary Graft Dysfunction in DCD Donor Hearts.** *JACC. Heart failure*
  Khush, K. K., Kobashigawa, J. A.
  2026: 103320

- **Elevated LDL-C and Lipoprotein(a) Modify Alirocumab Effects on CAV: Insights From the CAVIAR Trial.** *JACC. Heart failure*
  Terada, K., Takahashi, K., Khush, K. K., Nishi, T., Knowles, J. W., Skoda, A., Varr, B., Woo, C., Honda, Y., Fearon, W. F.
  2026: 103284

- **Response by Fearon et al to Letter Regarding Article, "Cardiac Allograft Vasculopathy Inhibition With Alirocumab: The CAVIAR Trial".** *Circulation*
  Fearon, W. F., Takahashi, K., Khush, K. K.
  2026; 154 (5): e187

- **Comparison of donor-derived cell-free DNA fractions between combined heart-lung vs isolated heart or lung transplant recipients.** *JHLT open*
  Pasupneti, S., Valentine, V., Mudgett, H., Fan, C. S., Mann, E., Zhou, M., Shen, L., Henricksen, E., Khush, K., Hanson, P., MacArthur, J. W., Levine, D., Dhillon, et al
  2026; 13: 100569

- **Ethical Considerations for Heart Organ Allocation: Current Landscape and Future Policy Guidance: A Scientific Statement From the American Heart Association** *CIRCULATION*
  Khazanie, P., Drazner, M. H., Breathett, K., Cohen, I., Fraser, M., Khush, K. K., Mohammed, S. F., Rogers, J. G., Shah, A. S., St. Laurent, P., Truby, L. K., Fedson, S. E., Amer Heart Assoc Heart Failure Transplantat Comm, et al
  2026; 154 (3): e25-e39

- **Undercapture of HeartMate 3-Supported Pediatric Candidates in the OPTN STAR Registry.** *The Annals of thoracic surgery*
  Ahn, D. J., Attia, A., Nakayama, T., Parker, W. F., Khush, K. K.
  2026

- **Persistent Primary Graft Dysfunction Stratifies Risk After Heart Transplantation With Lower Mortality Among Recipients of Donation-After-Circulatory-Death Hearts.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Berg, A. R., Krishnan, A., Heng, E. E., Zhou, A., Maskos, A., Rajaram, V., Alnasir, D. I., Khush, K. K., Teuteberg, J., Woo, Y. J., MacArthur, J. W.
  2026

- **Harmonizing standards and resources for the medical genome.** *Nature*
  Ashley, E. A., Alizadeh, A. A., Armitage, H., Bhatt, A. S., Blumenfeld, Y., Carroll, A., Chavez, R. M., Giannikopoulos, P., Grove, M. E., Halley, M. C., Khush, K., Lennon, N. J., Maragh, et al
  2026; 655 (8121): 47-58

- **Potential Impact of the OPTN Status Escalation Policy for Adult Heart Transplant Candidates With Durable LVADs.** *Circulation. Heart failure*
  Ahn, D. J., Attia, A., Nakayama, T., Narang, N., Khush, K. K., Parker, W., Sasaki, K.
  2026: e013854

- **High Rate of Transplantation Before Review of Status Exception Requests Among Adult Heart Transplant Candidates.** *Circulation. Heart failure*
  Ahn, D. J., Nakayama, T., Attia, A., White, M., Eap, D., Narang, N., Khush, K. K., Parker, W. F., Sasaki, K.
  2026: e013994

- **Ex situ heart perfusion: a novel model for drug validation and translation.** *Frontiers in cardiovascular medicine*
  Louca, J. O., Althage, M., Asemota, N., Bargehr, J., Bhagra, S., Bowles, D. E., Hosgood, S., Khush, K., Messer, S., Öchsner, M., Nunes, J. P., Rodgers, A., Wang, et al
  2026; 13: 1790308

- **Artifactual Declines in Durable LVAD Utilization among Heart Transplant Candidates: Selection Bias in Transplant Registries.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

Ahn, D. J., Lyden, G. R., Attia, A., Nakayama, T., Narang, N., Sasaki, K., Parker, W. F., Khush, K. K.
2026

- **Impact of Donor Left Ventricular Geometric Remodeling and Hypertrophy on Heart Acceptance and Recipient Survival.** *JACC. Heart failure*
  O'Donnell, C., Kim, J. S., Tarun, A., Celestin, B. E., Karius, A. K., Bagherzadeh, S. P., Intrieri, T. A., Tapaskar, N., Zhang, S., Weng, Y., Zaroff, J., Sun, L. Y., Wayda, et al
  2026: 103150

- **Authors' Perspective-Summary of the International Society for Heart and Lung Transplantation (ISHLT) Consensus Conference on Graft Dysfunction within the First 72 hours after Heart Transplantation: A 10-year Update.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kobashigawa, J., Zuckermann, A., Potena, L., Ardehali, A., Berman, M., Chang, P. P., Esmailian, F., Farr, M., Hall, S., Hsich, E., Khush, K., Kittleson, M., Leprince, et al
  2026; 45 (5): 719-723

- **A comparison of DCD Heart Transplantation in Europe and the United States: A multi-centre, retrospective study.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Louca, J. O., Öchsner, M., Shah, A., Schlendorf, K., Lima, B., Wang, C. C., Siddiqi, H., Irshad, A., Schroder, J., Casalinova, S., Milano, C., Khush, K. K., Skoda, et al
  2026

- **Utility of donor-derived cell-free DNA testing after lung transplantation in the precision medicine era.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Keller, B. C., Agbor-Enoh, S., Keller, M. B., Nandavaram, S., Zeevi, A., McDyer, J. F., Hays, S. R., Samuel Weigt, S., Belperio, J. A., Sayah, D. M., Aryal, S., Orens, J. B., Trindade, et al
  2026

- **THE ASSOCIATION OF LIPOPROTEIN(A) AND APOLIPOPROTEIN B LEVELS WITH ACCELERATED INTIMAL HYPERPLASIA FOLLOWING HEART TRANSPLANTATION**
  D'Oro, A., Tehrani, D., Klomhaus, A., Kim, J. S., Assi, A., Honda, Y., Khush, K., Fearon, W., Nsair, A., Fonarow, G. C., Sallam, T., Parikh, R.
  ELSEVIER SCIENCE INC.2026: A686

- **Comparing Efficacy and Safety of Itraconazole Solution Versus Posaconazole for Antifungal Prophylaxis After Heart Transplant.** *Open forum infectious diseases*
  Tayyar, R., Drucker, D., Lee, R., Le, T., Teuteberg, J., Khush, K., Luikart, H., Intrieri, T., Moayedi, Y., Alegria, W., Dieringer, T., Henricksen, E., Subramanian, et al
  2026; 13 (4): ofag104

- **Intraoperative Therapeutic Plasma Exchange for Sensitized Heart Transplant Candidates.** *Journal of clinical apheresis*
  Yigitbilek, F., Kim, J. S., Henricksen, E. J., Teuteberg, J. J., Khush, K. K., Narula, N., Zhang, B. M., Yunce, M.
  2026; 41 (2): e70115

- **When Seronegativity Does Not Mean Silence: DSA-Negative Antibody-Mediated Rejection in Heart Transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Gomes, B., Khush, K. K.
  2026

- **Policy Changes for Progress: Turning DCD Innovations Into More Heart Transplants.** *JACC. Heart failure*
  Wayda, B., Goerlich, C. E., Karius, A. K., Khush, K. K.
  2026; 14 (3): 102955

- **Status Exceptions and Misalignment of Medical Urgency in U.S. Pediatric Heart Transplantation.** *Journal of the American College of Cardiology*
  Ahn, D. J., Attia, A., Nakayama, T., Narang, N., Daly, K., Khush, K. K., Parker, W. F., Sasaki, K.
  2026

- **The Cost of Seeing More: Increased Sensitivity in Diagnosing Antibody-Mediated Rejection with the Molecular Microscope Diagnostic System.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Njoroge, J. N., Khush, K. K.
  2026

- **Summary of the International Society for Heart and Lung Transplantation (ISHLT) Consensus Conference on Graft Dysfunction within the First 72 hours after Heart Transplantation: A 10-year Update.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  Kobashigawa, J., Zuckermann, A., Potena, L., Ardehali, A., Berman, M., Chang, P. P., Esmailian, F., Farr, M., Hall, S., Hsich, E., Khush, K., Kittleson, M., Leprince, et al

  2026

- **Beating heart transplantation: A single center's initial experience and propensity-matched analysis against national registry data.** *JHLT open*

  Choi, A. Y., Kapula, N., He, H., Degife, E., Krishnan, A., Ashrafi, R., Han, B., Pines, K., Henricksen, E., Elde, S., Fawad, M., Teuteberg, J. J., Khush, et al

  2026; 11: 100455

- **Three-year outcomes with the use of dual non-invasive rejection surveillance after heart transplantation.** *JHLT open*

  Henricksen, E. J., Kim, J. S., Khush, K. K., Njoroge, J., Luikart, H., Zhang, M. B., Lee, R., Le, T., Guenthart, B. A., Teuteberg, J. J.

  2026; 11: 100456

- **Lack of Association Between Donor Left Ventricular Hypertrophy and Graft Survival in the Contemporary Era of Heart Transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*

  Mahar, J. H., Wayda, B., Weng, Y., Zhang, S., Zaroff, J. G., Khush, K. K.

  2026

- **Cardiac Allograft Vasculopathy in the Era of Precision Medicine: The Role of Biomarkers and Advanced Imaging.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  Kim, J. S., Brashear, T. K., Collins, B., Valantine, H., Khush, K. K., Tapaskar, N., Hsiao, S., Njoroge, J. N.

  2025

- **Cardiac Allograft Vasculopathy Inhibition with AliRocumab: The CAVIAR Trial**

  Fearon, W., Terada, K., Skoda, A., Luikart, H., Knowles, J., Honda, Y., Woo, C., Teuteberg, J., Khush, K.

  LIPPINCOTT WILLIAMS & WILKINS.2025

- **Multimodal Molecular Testing Provides Prognostic Value for Heart Transplant Recipients.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  Teuteberg, J., Patel, S., Baran, D. A., Shah, P., Sayer, G., Nguyen, A. B., Ravichandran, A., Hall, S., Pinney, S., DePasquale, E., Raval, N., Kobulnik, J., Fan, et al

  2025

- **Rethinking Heart Transplant Allocation: Aligning Urgency, Equity, and Outcomes.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  Blumer, V., Kittleson, M. M., Khush, K. K., DeFilippis, E. M.

  2025

- **Beyond Subjectivity: Toward Equity in the Psychosocial Assessment for Heart Transplantation.** *Journal of cardiac failure*

  Unni, R. R., Stott, K., Teuteberg, J., Khush, K. K.

  2025

- **Cardiac Allograft Vasculopathy Inhibition with Alirocumab: The CAVIAR Trial.** *Circulation*

  Fearon, W. F., Terada, K., Takahashi, K., Skoda, A., Luikart, H. I., Lamendola, C. A., Zimmermann, F. M., Hashikata, T., Saito, K., Yoshida, A., Varr, B., Knowles, J. W., Woo, et al

  2025

- **When Bad Things Happen to Good Hearts Prediction and Management of Primary Graft Dysfunction.** *The Canadian journal of cardiology*

  Dhingra, N. K., Foroutan, F., Truby, L. K., Guzman-Bofarull, J., Rodenas-Alesina, E., Moayedifar, R., Signorile, M., Henricksen, E., Farrero, M., Hastenteufel, L., Rivas-Lasarte, M., Chih, S., Ross, et al

  2025

- **Donor-Derived Cell-Free DNA in Antibody-Mediated Rejection: An Analysis of the Surveillance HeartCare Outcomes Registry.** *JACC. Heart failure*

  Kim, P. J., Alam, A. H., Teuteberg, J. J., Khush, K. K., Pinney, S. P., Cheng, R. K., Yehya, A., Kobulnik, J., Pinney, K. M., Oreschak, K. A., Ensor, C. R., Fan, S., Urey, et al

2025: 102716

- **Trends and Innovations in Heart Transplantation: Donor Procurement, Organ Preservation, and Evolving Therapies** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
  Hsiao, S., Alfaris, I., Varshney, A., Khush, K.
  2025; 27 (1)
- **Primary Graft Dysfunction in Patients Supported With Durable Left Ventricular Assist Devices Before Heart Transplantation.** *JACC. Heart failure*
  Truby, L. K., Moayedi, Y., Signorile, M., Steve Fan, C. P., Foroutan, F., Ross, H., Guzman-Bofarull, J., Lerman, J. B., DeVore, A. D., Hall, S., Takeda, K., Chih, S., Rodenas-Alesina, et al
  2025: 102618
- **Racial Disparities in Heart Transplantation: Long-Term Graft Survival and Nonmortality Outcomes.** *Journal of the American Heart Association*
  Hamilton, S. A., Wayda, B., Weng, Y., Zhang, S., Khush, K. K.
  2025: e038892
- **Complications and Status Upgrades among Adult Heart Transplant Candidates with Durable LVADs: Waiting 6 to 8 Years for Status Escalation Is Too Long.** *medRxiv : the preprint server for health sciences*
  Ahn, D. J., Attia, A., Nakayama, T., Narang, N., Khush, K. K., Parker, W., Sasaki, K.
  2025
- **High Rate of Transplantation Prior to Review of Status Exception Requests among Adult Heart Transplant Candidates.** *medRxiv : the preprint server for health sciences*
  Ahn, D. J., Nakayama, T., Attia, A., White, M., Eap, D., Narang, N., Khush, K. K., Parker, W., Sasaki, K.
  2025
- **Increasing the acceptance of thoraco-abdominal normothermic regional perfusion in DCD heart donation: A case for collaborative donor research.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Louca, J. O., Manara, A., Shah, A., Schlendorf, K., Lima, B., Schroder, J., Casalinova, S., Milano, C., Khush, K., Luikart, H., Dar, O., Konicoff, M., Urban, et al
  2025
- **Safety and 1-Year Outcomes After Transplanting Hearts From SARS-CoV-2 Positive Donors: Insights From an International Analysis.** *Immunity, inflammation and disease*
  Guenther, S. P., Wadewitz, J., Wayda, B. J., Fox, H., Cheaban, R., Shudo, Y., Hiesinger, W., Costard-Jäckle, A., Morshuis, M., Woo, Y. J., Teuteberg, J. J., Schramm, R., Rahmel, et al
  2025; 13 (9): e70252
- **HF STATS 2025: Heart Failure Epidemiology and Outcomes Statistics An Updated 2025 Report from the Heart Failure Society of America.** *Journal of cardiac failure*
  2025
- **Modernizing the National Transplant Database.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Hsich, E. M., Khush, K. K., Schold, J. D., Parker, W. F., Blackstone, E. H.
  2025
- **Development of a Risk Score Predicting Survival After Adult Heart Transplantation in the United States.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Lazenby, K. A., Tolmie, S. B., Barrett, K., White, M. H., Zhang, K. C., Narang, N., Jasseron, C., Dorent, R., Khush, K. K., Parker, W. F.
  2025
- **Endothelin-1 and Accelerated Cardiac Allograft Vasculopathy After Heart Transplantation.** *Circulation. Heart failure*
  Parikh, R. V., Klomhaus, A., Kim, J. S., Assi, A., Tehrani, D., Campbell, D., Bang, L., Fleming, R., Saito, K., Nishi, T., Honda, Y., Khush, K. K., Fearon, et al
  2025: e013288
- **Reasons for donor heart offer refusal in the United States: Results from 14,132 transplant clinician surveys in the Donor Heart Study.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

Wayda, B., Luikart, H., Weng, Y., Zhang, S., Neidlinger, N., Wood, R. P., Nieto, J., Nicely, B., Belcher, J., Groat, T., Malinoski, D., Zaroff, J., Khush, et al

2025; 44 (7): 1075-1082

- **Advancing patient monitoring, diagnostics, and treatment strategies for transplant precision medicine.** *Lancet (London, England)*

  Loupy, A., Sablik, M., Khush, K., Reese, P. P.

  2025

- **Patterns of Left Ventricular Regional Wall Motion Abnormalities After Brain Death and Their Clinical Significance.** *JACC. Heart failure*

  Chang, A. J., Wayda, B. J., Zhang, S., Weng, Y., Khush, K. K., Zaroff, J. G.

  2025; 13 (8): 102511

- **Impact of Donor Specific Antibodies on Longitudinal Lung Function and Baseline Lung Allograft Dysfunction.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

  Alnababteh, M., Sun, J., Meda, R., Ponor, L., Shah, P., Matthews, J., Kong, H., Charya, A., Helen Luikart, R. N., Aryal, S., Nathan, S. D., Orens, J. B., Khush, et al

  2025

- **Association of the 2018 U.S. Heart Allocation Policy Change and the Survival Benefit of Heart Transplantation.** *JACC. Heart failure*

  Tolmie, S. B., Gibbons, R. D., Anderson, A. S., Khush, K. K., Chhikara, K., Churpek, M., Parker, W. F.

  2025; 13 (7): 102480

- **Which Donor and Recipient Risk Factors Matter in Heart Transplantation? Results From a Survey of 53 Centers Across Five Countries.** *Clinical transplantation*

  Guenther, S. P., Schramm, R., Teuteberg, J. J., Shudo, Y., Rogge, A. L., Schaeper, K. E., Fox, H., Hoepner, L., Ruaengsri, C., Costard-Jaeckle, A., Hiesinger, W., Woo, Y. J., Morshuis, et al

  2025; 39 (6): e70214

- **Recommendations to Overcome Barriers to Transplant Fellowship Training: A Report from the American Society of Transplantation Fellows Task Force.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*

  Kobashigawa, J., Levitsky, J., Singh, N., Khush, K., Pinney, S., Aby, E., Afzal, A., Adey, D., Bhalla, A., Doshi, M., Farouk, S., Fox, A., Hall, et al

  2025

- **Outcomes after DCD Cardiac Transplantation: An international, multicenter retrospective study.** *JACC. Heart failure*

  Louca, J. O., Öchsner, M., Bhagra, S., Shah, A., Schlendorf, K., Lima, B., Wang, C. C., Siddiqi, H., Irshad, A., Schroder, J., Casalinova, S., Milano, C., Khush, et al

  2025

- **An ultrasensitive method for detection of cell-free RNA.** *Nature*

  Nesselbush, M. C., Luca, B. A., Jeon, Y. J., Jabara, I., Meador, C. B., Garofalo, A., Binkley, M. S., Hui, A. B., van 't Erve, I., Xu, N., Shi, W. Y., Liu, K. J., Sugio, et al

  2025

- **Repeatability and Correlation of Coronary Physiology Indices Measured With Bolus and Continuous Thermodilution.** *Circulation. Cardiovascular interventions*

  Wong, C. C., Dawson, L. P., Theriault-Lauzier, P., Skoda, A., Luikart, H., Tremmel, J. A., Khush, K. K., Fearon, W. F.

  2025; 18 (4): e014919

- **ASSOCIATION OF SODIUM-GLUCOSE COTRANSPORTER-2 INHIBITOR USE WITH ACCELERATED CARDIAC ALLOGRAFT VASCULOPATHY IN HEART TRANSPLANT RECIPIENTS**

  Carvalho, C., Castilo, A., Klomhaus, A., Kim, J. S., Assi, A., Honda, Y., Khush, K., Fearon, W., Nsair, A., Fonarow, G. C., Parikh, R.

  ELSEVIER SCIENCE INC.2025: 1547

- **DONOR-DERIVED CELL-FREE DNA IS NOT ASSOCIATED WITH ACCELERATED CARDIAC ALLOGRAFT VASCULOPATHY AMONG ISOLATED HEART TRANSPLANT RECIPIENTS**

  Carvalho, C., Klomhaus, A., Kim, J. S., Assi, A., Honda, Y., Khush, K., Fearon, W., Nsair, A., Fonarow, G. C., Kamath, M. Y., Shahandeh, N., Parikh, R.

  ELSEVIER SCIENCE INC.2025: 1548

- **Sex-Based Differences in Early and Late Kidney Outcomes after Heart Transplantation.** *Journal of cardiac failure*

  Donald, E. M., Pinsino, A., Jiang, N., Eichler, J., Cho, L., Shah, M., Bidani, S., Kittleson, M., Shah, P., Sayer, G., Uriel, N., Khush, K., Cogswell, et al

2025

- **Molecular criteria for pulmonary antibody-mediated rejection are associated with an increased risk of allograft failure.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Keller, M. B., Newman, D., Alnababteh, M., Bon, A., Ponor, L., Shah, P., Matthews, J., Kong, H., Andargie, T., Park, W., Charya, A., Luikart, H., Intrieri, et al
  2025

- **Reasons for donor heart offer refusal are often unrelated to the donor itself - when, why, and the "weekend effect".** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Wayda, B., Luikart, H., Weng, Y., Zhang, S., Neidlinger, N., Patrick Wood, R., Nieto, J., Nicely, B., Belcher, J., Groat, T., Malinoski, D., Zaroff, J., Khush, et al
  2025

- **Utility of Plasma Cell-free Chromatin Immunoprecipitation to Detect Cardiac Allograft Rejection.** *medRxiv : the preprint server for health sciences*
  Jang, M. K., Oluwayiose, O., Redekar, N., Andargie, T. E., Park, W., Alnababteh, M., Hill, T., Phipps, K., Kong, H., Tian, X., Luikart, H. I., Solomon, M. A., Shah, et al
  2025

- **Left ventricular dysfunction in potential heart donors after brain death: When is it reversible?** *European journal of heart failure*
  Wayda, B., Luikart, H., Weng, Y., Zhang, S., Nicely, B., Nieto, J., Belcher, J., Pearson, T., Neidlinger, N., Nguyen, J., Groat, T., Malinoski, D., Zaroff, et al
  2025

- **The Association of Echocardiographically Measured Donor Left Ventricular Mass and 1-Year Outcomes After Heart Transplantation.** *JACC. Heart failure*
  O'Donnell, C., Tapaskar, N., Sanchez, P. A., Wayda, B., Santana, E. J., Pulgrossi, R. C., Steffner, K., Zhang, S., Weng, Y., Sun, L. Y., Malinoski, D., Zaroff, J., Haddad, et al
  2024

- **Non-Invasive Characterization and Early Detection of Post-Transplant Lymphoproliferative Disorders**
  Schroers-Martin, J. G., Garofalo, A., Shi, S., Soo, J., Luikart, H., Sworder, B. J., Boegeholz, J., Kang, X., Olsen, M., Liu, C., Tian, F., Skoda, A., Gamino, et al
  ELSEVIER.2024: 648-649

- **Prediction of Donor Heart Acceptance for Transplant and Its Clinical Implications: Results From The Donor Heart Study.** *Circulation. Heart failure*
  Wayda, B., Weng, Y., Zhang, S., Luikart, H., Pearson, T., Nieto, J., Nicely, B., Geraghty, P. J., Belcher, J., Nguyen, J., Neidlinger, N., Groat, T., Malinoski, et al
  2024: e011360

- **Trends in Heart Transplant Outcomes for Patients Over the Age of 70 Years in the United States: an Analysis of the Scientific Registry of Transplant Recipients Database.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Henricksen, E. J., Wayda, B., Teuteberg, J. J., Luikart, H., Njoroge, J., Guenthart, B. A., Khush, K. K.
  2024

- **Patient Perceptions and Knowledge Surrounding Pregnancy After Heart Transplantation: A Multicenter Study.** *Circulation. Heart failure*
  DeFilippis, E. M., Donald, E. M., Hoffman, K., Flores Rosario, K., Agarwal, R., Shapiro, H., Hong, K. N., Khush, K. K., Punnoose, L., Kittleson, M. M.
  2024: e011741

- **Just a number? Donor age and (lack of) associated reasons for heart offer refusal.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Bhowmik, A. C., Wayda, B., Luikart, H., Weng, Y., Zhang, S., Wood, R. P., Nieto, J., Groat, T., Neidlinger, N., Zaroff, J., Malinoski, D., Khush, K. K.
  2024

- **Ten-Year Follow-up Cohort of the Everolimus versus Azathioprine Multi-National Prospective Study Focusing on Intravascular Ultrasound Findings.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kim, I., Starling, R. C., Khush, K., Passano, E., Mirocha, J., Bernhardt, P., Azarbal, B., Cheng, R., Esmailian, F., Mancini, D., Patel, J. K., Sato, T., Varnous, et al
  2024

- **Lack of Association Between Donor-Derived Cell-Free DNA and Cardiac Allograft Vasculopathy.** *Clinical transplantation*
  Alharethi, R., Knight, S., Luikart, H. I., Wolf-Doty, T., Bride, D. L., Kim, D. T., Khush, K. K.
  2024; 38 (7): e15416

- **Baseline Lung Allograft Dysfunction After Bilateral Lung Transplantation Is Associated With an Increased Risk of Death: Results From a Multicenter Cohort Study** *TRANSPLANTATION DIRECT*
  Keller, M. B., Sun, J., Alnababteh, M., Ponor, L., Shah, P. D., Mathew, J., Kong, H., Charya, A., Luikart, H., Aryal, S., Nathan, S. D., Orens, J. B., Khush, et al
  2024; 10 (7): e1669

- **Toward Equitable Heart Transplant Outcomes: Interrupting Danger Signals to Define New Therapeutic Strategies.** *JACC. Heart failure*
  Valantine, H. A., Khush, K. K.
  2024; 12 (7): 1293-1299

- **Reply: Insights and Queries on Donor ECG's Role in Heart Transplants.** *JACC. Heart failure*
  Tapaskar, N., Wayda, B., Weng, Y., Khush, K. K.
  2024; 12 (7): 1315

- **Comparison of Cardiac Allograft Vasculopathy Incidence Between Simultaneous Multi-Organ and Isolated Heart Transplant Recipients in the United States.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Shahandeh, N., Kim, J. S., Klomhaus, A. M., Tehrani, D., Hsu, J. J., Nsair, A., Khush, K. K., Fearon, W. F., Parikh, R. V.
  2024

- **European Society for Organ Transplantation (ESOT) Consensus Statement on the Use of Non-invasive Biomarkers for Cardiothoracic Transplant Rejection Surveillance.** *Transplant international : official journal of the European Society for Organ Transplantation*
  Nikolova, A., Agbor-Enoh, S., Bos, S., Crespo-Leiro, M., Ensminger, S., Jimenez-Blanco, M., Minervini, A., Perch, M., Segovia, J., Vos, R., Khush, K., Potena, L.
  2024; 37: 12445

- **Surveillance with Dual Non-invasive Testing for Acute Cellular Rejection After Heart Transplantation: Outcomes from the Surveillance HeartCare Outcomes Registry (SHORE).** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Khush, K., Hall, S., Kao, A., Raval, N., Dhingra, R., Shah, P., Bellumkonda, L., Ravichandran, A., Van Bakel, A., Uriel, N., Patel, S., Pinney, S., DePasquale, et al
  2024

- **Extreme elevations of donor-derived cell-free DNA increases the risk of chronic lung allograft dysfunction and death, even without clinical manifestations of disease.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Keller, M. B., Newman, D., Alnababteh, M., Ponor, L., Shah, P., Matthews, J., Kong, H., Andargie, T., Park, W., Charya, A., Luikart, H., Aryal, S., Nathan, et al
  2024

- **Leukotriene B4: A Potential Mediator and Biomarker for Cardiac Allograft Vasculopathy.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Wang, D., Tediashvili, G., Kim, D., Hu, X., , Renne, T., Tian, A., Nadeau, K. C., Velden, J., Schrepfer, S., Khush, K. K.
  2024

- **Advancing the Scientific Basis for Determining Death in Controlled Organ Donation After Circulatory Determination of Death.** *Transplantation*
  Murphy, N. B., Shemie, S. D., Capron, A., Truog, R. D., Nakagawa, T., Healey, A., Gofton, T., Bernat, J. L., Fenton, K., Khush, K. K., Schwartz, B., Wall, S. P.
  2024

- **PATTERNS OF LEFT VENTRICULAR REGIONAL WALL MOTION ABNORMALITIES AFTER BRAIN DEATH AND THEIR CLINICAL SIGNIFICANCE: RESULTS FROM THE DONOR HEART STUDY**
  Chang, A. J., Wayda, B., Zhang, S., Weng, Y., Khush, K., Zaroff, J. G.
  ELSEVIER SCIENCE INC.2024: 293

- **PATTERNS OF LEFT VENTRICULAR REGIONAL WALL MOTION ABNORMALITIES AFTER BRAIN DEATH AND THEIR CLINICAL SIGNIFICANCE: RESULTS FROM THE DONOR HEART STUDY**
  Chang, A. J., Wayda, B., Zhang, S., Weng, Y., Khush, K., Zaroff, J. G.

ELSEVIER SCIENCE INC.2024: 293

- **IMPACT OF MYOCARDIAL BRIDGING ON CORONARY ARTERY PLAQUE FORMATION AFTER HEART TRANSPLANTATION: SERIAL IVUS ANALYSIS WITH NEAR-INFRARED SPECTROSCOPY**
  Yoshida, A., Saito, K., Kashiyama, K., Hashikata, T., Sakagami, A., Nishi, T., Kim, J. S., Assi, A., Yock, P. G., Yeung, A. C., Fitzgerald, P. J., Khush, K., Fearon, et al
  ELSEVIER SCIENCE INC.2024: 1484

- **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., Henricksen, 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., Valantine, 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., Henricksen, 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., Moayedi, 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., Henricksen, E. J., Wayda, B., Moayedi, 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., Moayedi, 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., Moayedi, 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., Henricksen, 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*
  Heim, C., Müller, P. P., Tandler, R., Cherikh, W. S., Toll, A. E., Stehlik, J., Weyand, M., Khush, K. K., Ensminger, S. M.
  2021

- **Cost-effectiveness and system-wide impact of using Hepatitis C-viremic donors for heart transplant.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Wayda, B., Sandhu, A. T., Parizo, J., Teuteberg, J. J., Khush, K. K.
  2021

- **New Approaches to Donor Selection and Preparation in Heart Transplantation.** *Current treatment options in cardiovascular medicine*
  Tong, C. K., Khush, K. K.
  2021; 23 (5): 28

- **Donor-derived, cell-free DNA levels by next-generation targeted sequencing are elevated in allograft rejection after lung transplantation.** *ERJ open research*
  Khush, K. K., De Vlaminck, I., Luikart, H., Ross, D. J., Nicolls, M. R.

2021; 7 (1)

- **Evaluation of variation in insurance payor mix among heart transplant centers.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Parizo, J. T., Desai, M., Rodriguez, F., Sandhu, A. T., Khush, K. K.
  2020
- **DD-CFDNA AS A RISK FACTOR FOR INITIATING DE-NOVO DONOR SPECIFIC ANTIBODIES IN HEART TRANSPLANTATION**
  Depasquale, E., Kobashigawa, J., Pinney, S., Teuteberg, J., Khush, K.
  LIPPINCOTT WILLIAMS & WILKINS.2020: S131–S132
- **(ReBOOT) REmote moBile Outpatient MOnitoring in heart Transplant: A pilot study.** *The Canadian journal of cardiology*
  Moayedi, Y., Hershman, S. G., Henricksen, E. J., Lee, R., Han, J., Bougouin, W., Khush, K. K., Ross, H. J., Teuteberg, J. J.
  2020
- **Use of direct oral anticoagulants after heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Henricksen, E. J., Tremblay-Gravel, M., Moayedi, Y., Yang, W., Lee, R., Ross, H. J., Hiesinger, W., Teuteberg, J. J., Khush, K. K.
  2020
- **Long-term clinical outcomes with use of an angiotensin-converting enzyme inhibitor early after heart transplantation.** *American heart journal*
  Arashi, H., Sato, T., Kobashigawa, J., Luikart, H., Kobayashi, Y., Okada, K., Sinha, S., Honda, Y., Yeung, A. C., Khush, K., Fearon, W. F.
  2020; 222: 30–37
- **Risk factors for early development of cardiac allograft vasculopathy by intravascular ultrasound.** *Clinical transplantation*
  Moayedi, Y. n., Fan, C. P., Tremblay-Gravel, M. n., Miller, R. J., Kawana, M. n., Henricksen, E. n., Parizo, J. n., Wainwright, R. n., Fearon, W. F., Ross, H. J., Khush, K. K., Teuteberg, J. J.
  2020: e14098
- **To Kidney or Not to Kidney: Applying Lessons Learned from the Simultaneous Liver-Kidney Transplant Policy to Simultaneous Heart-Kidney Transplantation.** *Clinical transplantation*
  Cheng, X. S., Khush, K. K., Wiseman, A. n., Teuteberg, J. n., Tan, J. C.
  2020
- **Recent Trends of Infectious Complications Following Heart Transplantation.** *Transplantation*
  Multani, A. n., Moayedi, Y. n., Puing, A. n., Henricksen, E. n., Garvert, D. W., Gomez, C. A., Tremblay-Gravel, M. n., Bunce, P. E., Luikart, H. n., Ross, H. J., Khush, K. K., Montoya, J. G., Teuteberg, et al
  2020
- **Impact of cytomegalovirus infection on gene expression profile in heart transplant recipients.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Kanwar, M. K., Khush, K. K., Pinney, S. n., Sherman, C. n., Hall, S. n., Teuteberg, J. n., Uriel, N. n., Kobashigawa, J. n.
  2020
- **Impact of Deceased Donor Management on Donor Heart Use and Recipient Graft Survival.** *Journal of the American College of Surgeons*
  Swanson, E. A., Adams, T. n., Patel, M. S., De La Cruz, S. n., Hutchens, M. n., Khush, K. n., Sally, M. n., Niemann, C. U., Groat, T. n., Malinoski, D. n.
  2020
- **Adding Insult on Injury: Immunogenic Role for Donor-derived Cell-free DNA?** *Transplantation*
  Dholakia, S. n., De Vlaminck, I. n., Khush, K. K.
  2020
- **Reply: Interpreting multiple analyses to better understand cardiac retransplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Miller, R. J., Khush, K. K., Haddad, F.
  2019
- **Deep Sequencing of Viral Cell-Free DNA for Noninvasive Detection of Immunosuppression-Related Lymphoid Malignancies**
  Garofalo, A., Schroers-Martin, J. G., Soo, J., Kurtz, D. M., Sworder, B., Liu, C., Pinsky, B. A., Luikart, H., Advani, R. H., Natkunam, Y., Khush, K., Diehn, M., Alizadeh, et al

AMER SOC HEMATOLOGY.2019

- **Survival Outcomes After Heart Transplantation: Does Recipient Sex Matter?** *Circulation. Heart failure*
  Moayedi, Y., Fan, C. P., Cherikh, W. S., Stehlik, J., Teuteberg, J. J., Ross, H. J., Khush, K. K.
  2019; 12 (10): e006218

- **OUTCOMES OF PATIENTS WITH INFECTION RELATED TO VENTRICULAR ASSIST DEVICE AFTER HEART TRANSPLANTATION**
  Moayedi, Y., Multani, A., Bunce, P., Tremblay-Gravel, M., Gomez, C., Garvert, D., Duclos, S., Hiesinger, W., Ross, H., Khush, K., Montoya, J., Teuteberg, J.
  WILEY.2019: 55

- **Impact of Myocardial Bridging on Long-Term Outcomes After Heart Transplantation: Risk Stratification With IVUS-Determined Anatomical Properties**
  Okada, K., Nishi, T., Tanaka, S., Luikart, H., Yock, P. G., Yeung, A. C., Hibi, K., Kimura, K., Schnittger, I., Khush, K., Fearon, W., Honda, Y.
  ELSEVIER SCIENCE INC.2019: B342

- **Noninvasive detection of graft injury after heart transplant using donor-derived cell-free DNA: A prospective multicenter study** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Khush, K. K., Patel, J., Pinney, S., Kao, A., Alharethi, R., DePasquale, E., Ewald, G., Berman, P., Kanwar, M., Hiller, D., Yee, J. P., Woodward, R. N., Hall, et al
  2019; 19 (10): 2889–99

- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.
  2019; 290: 27–32

- **Treading lightly as we step into a new era: Use of hepatitis C virus-infected organs for transplantation.** *The Journal of thoracic and cardiovascular surgery*
  Moayedi, Y., Gulamhusein, A. F., Khush, K. K.
  2019

- **Outcomes of patients with infection related to a ventricular assist device after Heart Transplantation.** *Clinical transplantation*
  Moayedi, Y., Multani, A., Bunce, P. E., Henricksen, E., Lee, R., Yang, W., Gomez, C. A., Garvert, D. W., Tremblay-Gravel, M., Duclos, S., Hiesinger, W., Ross, H. J., Khush, et al
  2019: e13692

- **Accelerated Allograft Vasculopathy With Rituximab After Cardiac Transplantation** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Starling, R. C., Armstrong, B., Bridges, N. D., Eisen, H., Givertz, M. M., Kfoury, A. G., Kobashigawa, J., Ikle, D., Morrison, Y., Pinney, S., Stehlik, J., Tripathi, S., Sayegh, et al
  2019; 74 (1): 36–51

- **Outcomes in patients undergoing cardiac retransplantation: A propensity matched cohort analysis of the UNOS Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Miller, R. J., Clarke, B. A., Howlett, J. G., Khush, K. K., Teuteberg, J. J., Haddad, F.
  2019

- **Infectious complications after heart transplantation in patients screened with gene expression profiling** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Moayedi, Y., Gomez, C. A., Fan, C. S., Miller, R. J. H., Bunce, P. E., Tremblay-Gravel, M., Foroutan, F., Manlhiot, C., Yee, J., Shullo, M. A., Khush, K. K., Ross, H. J., Montoya, et al
  2019; 38 (6): 611–18

- **Long-term transplant outcomes of donor hearts with left ventricular dysfunction**
  Sibona, A., Khush, K. K., Oyoyo, U. E., Martens, T. P., Hasaniya, N. W., Razzouk, A. J., Bailey, L. L., Rabkin, D. G.
  MOSBY-ELSEVIER.2019: 1865-1873

- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation.** *International journal of cardiology*
  Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.
  2019

- **Parvovirus B19-induced severe anemia in heart transplant recipients: Case report and review of the literature** *CLINICAL TRANSPLANTATION*
  Pinto, N. C., Newman, C., Gomez, C. A., Khush, K. K., Moayedi, Y., Lee, R., Teuteberg, J. J., Montoya, J. G.
  2019; 33 (4)

- **PERIARTERIAL NEOVASCULARIZATION AND ATTENUATED-SIGNAL PLAQUE PREDICT LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION: RISK STRATIFICATION WITH IVUS-DETERMINED CORONARY INFLAMMATORY FINDINGS**
  Kashiyama, K., Okada, K., Kitahara, H., Kameda, R., Hollak, M., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Fearon, W., Honda, Y.
  ELSEVIER SCIENCE INC.2019: 1428

- **Non-invasive Detection of Graft Injury after Heart Transplantation Using Donor-Derived Cell-Free DNA: a Prospective Multi-Center Study.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Khush, K. K., Patel, J., Pinney, S., Kao, A., Alharethi, R., DePasquale, E., Ewald, G., Berman, P., Kanwar, M., Hiller, D., Yee, J. P., Woodward, R. N., Hall, et al
  2019

- **Parvovirus B19-Induced Severe Anemia in Heart Transplant Recipients: Case Report and Review of the Literature.** *Clinical transplantation*
  Pinto, N. C., Newman, C., Gomez, C. A., Khush, K. K., Moayedi, Y., Lee, R., Teuteberg, J. J., Montoya, J. G.
  2019: e13498

- **Association of Endothelin-1 With Accelerated Cardiac Allograft Vasculopathy and Late Mortality Following Heart Transplantation** *JOURNAL OF CARDIAC FAILURE*
  Parikh, R. V., Khush, K., Pargaonkar, V. S., Luikart, H., Grimm, D., Yu, M., Okada, K., Honda, Y., Yeung, A. C., Valantine, H., Fearon, W. F.
  2019; 25 (2): 97–104

- **Donor-derived cell-free DNA predicts allograft failure and mortality after lung transplantation** *EBIOMEDICINE*
  Agbor-Enoh, S., Wang, Y., Tunc, I., Jang, M., Davis, A., De Vlaminck, I., Luikart, H., Shah, P. D., Timofte, I., Brown, A. W., Marishta, A., Bhatti, K., Gorham, et al
  2019; 40: 541-553

- **Donor-derived cell-free DNA predicts allograft failure and mortality after lung transplantation.** *EBioMedicine*
  Agbor-Enoh, S., Wang, Y., Tunc, I., Jang, M. K., Davis, A., De Vlaminck, I., Luikart, H., Shah, P. D., Timofte, I., Brown, A. W., Marishta, A., Bhatti, K., Gorham, et al
  2019

- **Infectious complications after heart transplantation in patients screened with gene expression profiling.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Moayedi, Y., Gomez, C. A., Fan, C. P., Miller, R. J., Bunce, P. E., Tremblay-Gravel, M., Foroutan, F., Manlhiot, C., Yee, J., Shullo, M. A., Khush, K. K., Ross, H. J., Montoya, et al
  2019

- **Perceived Generational, Geographic, and Sex-Based Differences in Choosing a Career in Advanced Heart Failure.** *Circulation. Heart failure*
  Moayedi, Y. n., Hershman, S. G., Ross, H. J., Khush, K. K., Teuteberg, J. J.
  2019; 12 (7): e005754

- **Risk evaluation using gene expression screening to monitor for acute cellular rejection in heart transplant recipients** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Moayedi, Y., Foroutan, F., Miller, R. J. H., Fan, C. S., Posada, J., Alhussein, M., Tremblay-Gravel, M., Oro, G., Luikart, H. I., Yee, J., Shullo, M. A., Khush, K. K., Ross, et al
  2019; 38 (1): 51–58

- **Safety and Efficacy of PCSK9 Inhibitors After Heart Transplantation** *CANADIAN JOURNAL OF CARDIOLOGY*
  Moayedi, Y., Kozuszko, S., Knowles, J. W., Chih, S., Oro, G., Lee, R., Fearon, W. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2019; 35 (1)

- **Predicted Heart Mass for Donor Organ Allocation: Getting Closer to the Target.** *Circulation. Heart failure*
  Tremblay-Gravel, M. n., Khush, K. n.
  2019; 12 (12): e006634

- **Great Variability in Donor Heart Acceptance Practices across the United States.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*

Khush, K. K., Ball, R. L.
2019

- **Optimizing the Use of Heart Transplant in the United States.** *JAMA*
  Sandhu, A. T., Woo, Y. J., Khush, K. K.
  2019; 322 (18): 1772–74

- **A novel therapy for an unusual problem: IL-1 receptor antagonist for recurrent post-transplant pericarditis.** *Clinical transplantation*
  Parizo, J. T., Moayedi, Y. n., Nieman, K. n., Town, K. n., Teuteberg, J. J., Khush, K. K.
  2019

- **Safety and Efficacy of PCSK9 Inhibitors After Heart Transplantation.** *The Canadian journal of cardiology*
  Moayedi, Y., Kozuszko, S., Knowles, J. W., Chih, S., Oro, G., Lee, R., Fearon, W. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2019; 35 (1)

- **Gene expression profiling and racial disparities in outcomes after heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Moayedi, Y. n., Fan, C. S., Miller, R. J., Tremblay-Gravel, M. n., Posada, J. G., Manlhiot, C. n., Hiller, D. n., Yee, J. n., Woodward, R. n., McCaughan, J. A., Shullo, M. A., Hall, S. A., Pinney, et al
  2019

- **Association of Endothelin-1 with Accelerated Cardiac Allograft Vasculopathy and Late Mortality Following Heart Transplantation.** *Journal of cardiac failure*
  Parikh, R. V., Khush, K., Pargaonkar, V. S., Luikart, H., Grimm, D., Yu, M., Akada, K., Honda, Y., Yeung, A. C., Valantine, H., Fearon, W. F.
  2018

- **Current Use of Hearts From Hepatitis C Viremic Donors.** *Circulation. Heart failure*
  Moayedi, Y., Fan, C. P., Gulamhusein, A. F., Manlhiot, C., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2018; 11 (12): e005276

- **Current Use of Hearts From Hepatitis C Viremic Donors A United Network for Organ Sharing Registry Analysis** *CIRCULATION-HEART FAILURE*
  Moayedi, Y., Fan, C. S., Gulamhusein, A. F., Manlhiot, C., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2018; 11 (12)

- **Lymphoma Virome Dynamics Revealed By Cell-Free DNA Sequencing**
  Schroers-Martin, J. G., Garofalo, A., Soo, J., Jin, M. C., Kurtz, D. M., Buedts, L., Duehrsen, U., Huettmann, A., Cottereau, A., Meignan, M., Casasnovas, O., Westin, J. R., Gaidano, et al
  AMER SOC HEMATOLOGY.2018

- **Usefulness of Asymmetric Dimethylarginine to Predict Outcomes After Heart Transplantation** *AMERICAN JOURNAL OF CARDIOLOGY*
  Parikh, R., Khush, K., Luikart, H., Sakarovitch, C., Lee, J., Desai, M., Valantine, H., Yeung, A. C., Fearon, W. F.
  2018; 122 (10): 1707–11

- **Impact of Myocardial Bridging on Long-Term Mortality After Heart Transplantation: Risk Stratification With Ivus-Determined Cardiac Allograft Vasculopathy**
  Kameda, R., Okada, K., Tanaka, S., Luikart, H., Yock, P. G., Yeung, A. C., Schnittger, I., Fitzgerald, P. J., Khush, K. K., Fearon, W. F., Honda, Y.
  LIPPINCOTT WILLIAMS & WILKINS.2018

- **Current opinions in organ allocation** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Achille, M., Agarwal, G., Albert, M., Amarelli, C., Baran, D. A., Blosser, C., Brown, K., Bucuvalas, J., Butler, C. R., Caicedo, J. C., Caulfield, T., Cendales, L. C., Chadban, et al
  2018; 18 (11): 2625–34

- **Long-term transplant outcomes of donor hearts with left ventricular dysfunction.** *The Journal of thoracic and cardiovascular surgery*
  Sibona, A., Khush, K. K., Oyoyo, U. E., Martens, T. P., Hasaniya, N. W., Razzouk, A. J., Bailey, L. L., Rabkin, D. G.
  2018

- **Increasing complexity of thoracic transplantation and the rise of multiorgan transplantation around the world: Insights from the International Society for Heart and Lung Transplantation Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*

Stehlik, J., Chambers, D. C., Zuckermann, A., Mehra, M. R., Khush, K. K.
2018; 37 (10): 1145–54

- **Increasing complexity of thoracic transplantation and the rise of multiorgan transplantation around the world: Insights from the International Society for Heart and Lung Transplantation Registry** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Stehlik, J., Chambers, D. C., Zuckermann, A., Mehra, M. R., Khush, K. K.
  2018; 37 (10): 1145-1154
- **Longitudinal Changes in Kidney Function Following Heart Transplantation: Stanford Experience.** *Clinical transplantation*
  Taiwo, A., Khush, K., Stedman, M. R., Zheng, Y., Tan, J. C.
  2018: e13414
- **Risk evaluation using gene expression screening to monitor for acute cellular rejection in heart transplant recipients.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Moayedi, Y., Foroutan, F., Miller, R. J., Fan, C. S., Posada, J. G., Alhussein, M., Tremblay-Gravel, M., Oro, G., Luikart, H. I., Yee, J., Shullo, M. A., Khush, K. K., Ross, et al
  2018
- **Transplant phenomapping: A move toward personalized immunosuppression.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Miller, R. J., Khush, K. K.
  2018; 37 (8): 943–44
- **Transplant phenomapping: A move toward personalized immunosuppression** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Miller, R. J. H., Khush, K. K.
  2018; 37 (8): 943-944
- **Late manifestation of alloantibody-associated injury and clinical pulmonary antibody-mediated rejection: Evidence from cell-free DNA analysis** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Agbor-Enoh, S., Jackson, A. M., Tunc, I., Berry, G. J., Cochrane, A., Grimm, D., Davis, A., Shah, P., Brown, A. W., Wang, Y., Timofte, I., Shah, P., Gorham, et al
  2018; 37 (7): 925–32
- **Accepting hepatitis C virus-infected donor hearts for transplantation: Multistep consent, unrealized opportunity, and the Stanford experience** *CLINICAL TRANSPLANTATION*
  Moayedi, Y., Gulamhusein, A. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2018; 32 (7)
- **Accepting hepatitis C virus infected donor hearts for transplantation: Multi-step consent, unrealized opportunity, and the Stanford experience.** *Clinical transplantation*
  Moayedi, Y., Gulamhusein, A. F., Ross, H. J., Teuteberg, J. J., Khush, K. K.
  2018: e13308
- **New Horizons on the 50th Anniversary of Heart Transplantation in Canada: "Where There Is Death, There Is Hope"** *CANADIAN JOURNAL OF CARDIOLOGY*
  Moayedi, Y., Alhussein, M., Posada, J., Kozuszko, S., Khush, K. K., Teuteberg, J. J., Badiwala, M. V., Ross, H. J.
  2018; 34 (6): 694–95
- **Early detection of post-transplant lymphoproliferative disorder using circulating tumor DNA.**
  Soo, J., Schroers-Martin, J., Garofalo, A., Kurtz, D., D'Emilio, N., Grimm, D.
  AMER SOC CLINICAL ONCOLOGY.2018
- **Post-transplant head and neck cancers: A prospective analysis of clinical factors for risk stratification.**
  Soo, J., Schroers-Martin, J., Garofalo, A., Kurtz, D., D'Emilio, N., Grimm, D.
  AMER SOC CLINICAL ONCOLOGY.2018
- **Disclosure of infectious risk to heart transplant candidates: Shared decision-making is here to stay** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Moayedi, Y., Ross, H. J., Khush, K. K.
  2018; 37 (5): 564–67

- **The ratio of circulating regulatory cluster of differentiation 4 T cells to endothelial progenitor cells predicts clinically significant acute rejection after heart transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Choi, D., Chmura, S. A., Ramachandran, V., Dionis-Petersen, K. Y., Kobayashi, Y., Nishi, T., Luikart, H., Dimbil, S., Kobashigawa, J., Khush, K., Lewis, D. B., Fearon, W. F.
  2018; 37 (4): 496–502

- **IMPACT OF ENDOTHELIN-1 ON CARDIAC ALLOGRAFT VASCULOPATHY, LATE MORTALITY AND RE-TRANSPLANTATION FOLLOWING HEART TRANSPLANTATION**
  Parikh, R., Khush, K., Luikart, H., Grimm, D., Yu, M., Yeung, A., Valantine, H., Fearon, W.
  ELSEVIER SCIENCE INC.2018: 2667

- **Throwing out the good with the bad: Declining potential donor hearts with left ventricular dysfunction** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Moayedi, Y., Khush, K. K.
  2018; 37 (3): 321–22

- **Change in lymphocyte to neutrophil ratio predicts acute rejection after heart transplantation** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Choi, D., Kobayashi, Y., Nishi, T., Luikart, H., Dimbil, S., Kobashigawa, J., Khush, K., Fearon, W. F.
  2018; 251: 58–64

- **Change in lymphocyte to neutrophil ratio predicts acute rejection after heart transplantation.** *International journal of cardiology*
  Choi, D. H., Kobayashi, Y. n., Nishi, T. n., Luikart, H. n., Dimbil, S. n., Kobashigawa, J. n., Khush, K. n., Fearon, W. F.
  2018; 251: 58–64

- **Donor selection in the modern era** *ANNALS OF CARDIOTHORACIC SURGERY*
  Khush, K. K.
  2018; 7 (1): 126–34

- **Long-term prognostic value of invasive and non-invasive measures early after heart transplantation.** *International journal of cardiology*
  Kobayashi, Y. n., Kobayashi, Y. n., Yang, H. M., Bouajila, S. n., Luikart, H. n., Nishi, T. n., Choi, D. H., Schnittger, I. n., Valantine, H. A., Khush, K. K., Yeung, A. C., Haddad, F. n., Fearon, et al
  2018; 260: 31–35

- **Molecular Diagnostic Testing in Cardiac Transplantation** *CURRENT CARDIOLOGY REPORTS*
  Khush, K., Zarafshar, S.
  2017; 19 (11): 118

- **Myriad Applications of Circulating Cell-Free DNA in Precision Organ Transplant Monitoring**
  Burnham, P., Khush, K., De Vlaminck, I.
  AMER THORACIC SOC.2017: S237–S241

- **Applying rigor and reproducibility standards to assay donor-derived cell-free DNA as a non-invasive method for detection of acute rejection and graft injury after heart transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Agbor-Enoh, S., Tunc, I., De Vlaminck, I., Fideli, U., Davis, A., Cuttin, K., Bhatti, K., Marishta, A., Solomon, M. A., Jackson, A., Graninger, G., Harper, B., Luikart, et al
  2017; 36 (9): 1004–12

- **Quantification of transplant-derived circulating cell-free DNA in absence of a donor genotype** *PLOS COMPUTATIONAL BIOLOGY*
  Sharon, E., Shi, H., Kharbanda, S., Koh, W., Martin, L. R., Khush, K. K., Valantine, H., Pritchard, J. K., De Vlaminck, I.
  2017; 13 (8): e1005629

- **The Conundrum of Equitable Organ Allocation in Heart Transplantation: The Moving Target of Candidate Risk Score.** *Transplantation*
  Potena, L., Khush, K. K.
  2017

- **Report from the American society of transplantation conference on donor heart selection in adult cardiac transplantation in the U.S.** *American journal of transplantation*
  Kobashigawa, J., Khush, K., Colvin, M., Acker, M., Van Bakel, A., Eisen, H., Naka, Y., Patel, J., Baran, D. A., Daun, T., Luu, M., Olymbios, M., Rogers, et al
  2017

- **Precision monitoring of immunotherapies in solid organ and hematopoietic stem cell transplantation** *ADVANCED DRUG DELIVERY REVIEWS*
  DiLoreto, R., Khush, K., De Vlaminck, I.
  2017; 114: 272–84

- **Combined heart lung transplantation: an updated review of the current literature.** *Transplantation*
  Pasupneti, S., Dhillon, G., Reitz, B., Khush, K.
  2017

- **Personalized treatment in heart transplantation.** *Current opinion in organ transplantation*
  Khush, K. K.
  2017

- **The ratio of circulating regulatory cluster of differentiation 4 T cells to endothelial progenitor cells predicts clinically significant acute rejection after heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
  Choi, D. H., Chmura, S. A., Ramachandran, V. n., Dionis-Petersen, K. Y., Kobayashi, Y. n., Nishi, T. n., Luikart, H. n., Dimbil, S. n., Kobashigawa, J. n., Khush, K. n., Lewis, D. B., Fearon, W. F.
  2017

- **Incremental Value of Deformation Imaging and Hemodynamics Following Heart Transplantation: Insights From Graft Function Profiling.** *JACC. Heart failure*
  Kobayashi, Y. n., Sudini, N. L., Rhee, J. W., Aymami, M. n., Moneghetti, K. J., Bouajila, S. n., Kobayashi, Y. n., Kim, J. B., Schnittger, I. n., Teuteberg, J. J., Khush, K. K., Fearon, W. F., Haddad, et al
  2017; 5 (12): 930–39

- **Coronary Endothelial Dysfunction and the Index of Microcirculatory Resistance as a Marker of Subsequent Development of Cardiac Allograft Vasculopathy.** *Circulation*
  Lee, J. H., Okada, K. n., Khush, K. n., Kobayashi, Y. n., Sinha, S. n., Luikart, H. n., Valantine, H. n., Yeung, A. C., Honda, Y. n., Fearon, W. F.
  2017; 135 (11): 1093–95

- **Angiotensin-Converting Enzyme Inhibition Early After Heart Transplantation.** *Journal of the American College of Cardiology*
  Fearon, W. F., Okada, K. n., Kobashigawa, J. A., Kobayashi, Y. n., Luikart, H. n., Sana, S. n., Daun, T. n., Chmura, S. A., Sinha, S. n., Cohen, G. n., Honda, Y. n., Pham, M. n., Lewis, et al
  2017; 69 (23): 2832–41

- **ALLELIC AND EPITOPE HLA MISMATCH ANALYSIS IN LUNG TRANSPLANT**
  Sninsky, J. J., Fear, A., Lew, D., Trachtenberg, E., De Vlaminck, I., Khush, K. K., Erlich, H. A., Woodward, R. N.
  ELSEVIER SCIENCE INC.2017: 171

- **Incremental Value of Deformation Imaging and Hemodynamics Following Heart Transplantation: Insights From Graft Function Profiling.** *JACC. Heart failure*
  Kobayashi, Y. n., Sudini, N. L., Rhee, J. W., Aymami, M. n., Moneghetti, K. J., Bouajila, S. n., Kobayashi, Y. n., Kim, J. B., Schnittger, I. n., Teuteberg, J. J., Khush, K. K., Fearon, W. F., Haddad, et al
  2017; 5 (12): 930–39

- **Early Left Ventricular Dysfunction is Associated with Cardiac Allograft Vasculopathy and Late Mortality After Heart Transplantation**
  Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H., Khush, K., Fearon, W.
  ELSEVIER SCIENCE INC.2016: B331

- **Attenuated-Signal Plaque Progression Predicts Long-Term Mortality After Heart Transplantation: IVUS Assessment of Cardiac Allograft Vasculopathy.** *Journal of the American College of Cardiology*
  Okada, K., Fearon, W. F., Luikart, H., Kitahara, H., Otagiri, K., Tanaka, S., Kimura, T., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Honda, et al
  2016; 68 (4): 382-392

- **Assessment of Heart Transplant Waitlist Time and Pre- and Post-transplant Failure A Mixed Methods Approach** *EPIDEMIOLOGY*
  Goldstein, B. A., Thomas, L., Zaroff, J. G., John Nguyen, J., Menza, R., Khush, K. K.
  2016; 27 (4): 469-476

- **Single-stranded DNA library preparation uncovers the origin and diversity of ultrashort cell-free DNA in plasma** *SCIENTIFIC REPORTS*

Burnham, P., Kim, M. S., Agbor-Enoh, S., Luikart, H., Valantine, H. A., Khush, K. K., De Vlaminck, I.
2016; 6

- **Association of periarterial neovascularization with progression of cardiac allograft vasculopathy and long-term clinical outcomes in heart transplant recipients** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Kitahara, H., Okada, K., Tanaka, S., Yang, H., Miki, K., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P. G., Yeung, A. C., Fitzgerald, P. J., Khush, K. K., Fearon, et al
  2016; 35 (6): 752-759
- **Elevated Troponin? Take Heart and Reconsider!** *CIRCULATION-HEART FAILURE*
  Pasupneti, S., Khush, K.
  2016; 9 (6)
- **Invasive Assessment of Coronary Physiology Predicts Late Mortality After Heart Transplantation** *CIRCULATION*
  Yang, H., Khush, K., Luikart, H., Okada, K., Lim, H., Kobayashi, Y., Honda, Y., Yeung, A. C., Valantine, H., Fearon, W. F.
  2016; 133 (20): 1945-1950
- **HIGHER LEVELS OF ASYMMETRIC DIMETHYLARGININE ARE ASSOCIATED WITH LOWER FRACTIONAL FLOW RESERVE AFTER ORTHOTOPIC HEART TRANSPLANTATION**
  Parikh, R., Khush, K., Luikart, H., Pargaonkar, V., Kobayashi, Y., Lee, J., Sinha, S., Cohen, G., Valantine, H., Yeung, A., Fearon, W.
  ELSEVIER SCIENCE INC.2016: 1355
- **ENDOTHELIUM DEPENDENT AND INDEPENDENT VASODILATOR RESPONSES AFTER HEART TRANSPLANTATION: GEOGRAPHIC DISTRIBUTION AND ASSOCIATION WITH PROGRESSION OF CARDIAC ALLOGRAFT VASCULOPATHY**
  Okada, K., Kimura, T., Miki, K., Yock, P., Yeung, A., Fitzgerald, P., Luikart, H., Khush, K., Honda, Y., Fearon, W.
  ELSEVIER SCIENCE INC.2016: 254
- **THE IMPACT OF ANGIOTENSIN CONVERTING ENZYME INHIBITORS ON ASYMMETRIC DIMETHYLARGININE IN ORTHOTOPIC HEART TRANSPLANTATION RECIPIENTS: A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL**
  Parikh, R., Khush, K., Sana, S., Daun, T., Luikart, H., Pargaonkar, V., Sinha, S., Cohen, G., Valantine, H., Yeung, A., Kobashigawa, J., Fearon, W.
  ELSEVIER SCIENCE INC.2016: 1356
- **ANGIOTENSIN-CONVERTING ENZYME INHIBITION EARLY AFTER CARDIAC TRANSPLANTATION: A MULTI-CENTER, RANDOMIZED, DOUBLE-BLIND TRIAL COMPARING RAMIPRIL VERSUS PLACEBO**
  Kobayashi, Y., Okada, K., Khush, K., Sana, S., Daun, T., Sinha, S., Cohen, G., Honda, Y., Luikart, H., Valantine, H., Yeung, A., Kobashigawa, J., Fearon, et al
  ELSEVIER SCIENCE INC.2016: 1445
- **EARLY CORONARY ENDOTHELIAL DYSFUNCTION PREDICTS ACCELERATED PLAQUE PROGRESSION 1 YEAR AFTER CARDIAC TRANSPLANTATION: SERIAL VOLUMETRIC EVALUATION BY INTRAVASCULAR ULTRASOUND**
  Lee, J., Okada, K., Khush, K., Kobayashi, Y., Sinha, S., Luikart, H., Valantine, H., Yeung, A., Honda, Y., Fearon, W.
  ELSEVIER SCIENCE INC.2016: 364
- **Paradoxical Vessel Remodeling of the Proximal Segment of the Left Anterior Descending Artery Predicts Long-Term Mortality After Heart Transplantation** *JACC-HEART FAILURE*
  Okada, K., Kitahara, H., Yang, H., Tanaka, S., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P. G., Yeung, A. C., Valantine, H. A., Fitzgerald, P. J., Khush, K. K., Honda, et al
  2015; 3 (12): 942-952
- **Design and Implementation of the International Genetics and Translational Research in Transplantation Network** *TRANSPLANTATION*
  Keating, B. J., van Setten, J., Jacobson, P. A., Holmes, M. V., Verma, S. S., Chandrupatla, H. R., Nair, N., Gao, H., Li, Y. R., Chang, B., Wong, C., Phillips, R., Cole, et al
  2015; 99 (11): 2401-2412
- **Noninvasive monitoring of infection and rejection after lung transplantation.** *Proceedings of the National Academy of Sciences of the United States of America*
  De Vlaminck, I., Martin, L., Kertesz, M., Patel, K., Kowarsky, M., Strehl, C., Cohen, G., Luikart, H., Neff, N. F., Okamoto, J., Nicolls, M. R., Cornfield, D., Weill, et al
  2015; 112 (43): 13336-13341
- **Monitoring Pharmacologically Induced Immunosuppression by Immune Repertoire Sequencing to Detect Acute Allograft Rejection in Heart Transplant Patients: A Proof-of-Concept Diagnostic Accuracy Study** *PLOS MEDICINE*

Vollmers, C., De Vlaminck, I., Valantine, H. A., Penland, L., Luikart, H., Strehl, C., Cohen, G., Khush, K. K., Quake, S. R.
2015; 12 (10)

- **Gene expression profiling to study racial differences after heart transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Khush, K. K., Pham, M. X., Teuteberg, J. J., Kfoury, A. G., Deng, M. C., Kao, A., Anderson, A. S., Cotts, W. G., Ewald, G. A., Baran, D. A., Hiller, D., Yee, J., Valantine, et al
  2015; 34 (7): 970-977

- **INVASIVE CORONARY PHYSIOLOGY AT ONE YEAR PREDICTS LATE MORTALITY AFTER HEART TRANSPLANTATION**
  Yang, H., Okada, K., Cohen, G., Strehl, C., Luikart, H., Valantine, H., Honda, Y., Khush, K., Fearon, W.
  ELSEVIER SCIENCE INC.2015: A1685

- **ASSOCIATION OF PERIARTERIAL NEOVASCULARIZATION WITH PROGRESSION OF CARDIAC ALLOGRAFT VASCULOPATHY AND LONG-TERM CLINICAL OUTCOMES IN HEART TRANSPLANT RECIPIENTS**
  Kitahara, H., Okada, K., Tanaka, S., Yang, H., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Fearon, W., Honda, et al
  ELSEVIER SCIENCE INC.2015: A1710

- **IMPACT OF MYOCARDIAL BRIDGING ON CORONARY ARTERY PLAQUE FORMATION AND LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION**
  Tanaka, S., Okada, K., Kitahara, H., Kobayashi, Y., Luikart, H., Yock, P., Yeung, A., Schnittger, I., Fitzgerald, P., Khush, K., Fearon, W., Honda, Y.
  ELSEVIER SCIENCE INC.2015: A1741

- **PARADOXICAL ARTERIAL REMODELING OF THE PROXIMAL SEGMENT OF THE LEFT ANTERIOR DESCENDING ARTERY PREDICTS LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION**
  Okada, K., Kitahara, H., Yang, H., Tanaka, S., Kobayashi, Y., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Honda, Y., Fearon, W.
  ELSEVIER SCIENCE INC.2015: A1740

- **National decline in donor heart utilization with regional variability: 1995-2010.** *American journal of transplantation*
  Khush, K. K., Zaroff, J. G., Nguyen, J., Menza, R., Goldstein, B. A.
  2015; 15 (3): 642-649

- **Reliability of transthoracic echocardiogram interpretation in potential adult heart transplant donors** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Khush, K. K., Nguyen, J., Goldstein, B. A., McGlothlin, D. P., Zaroff, J. G.
  2015; 34 (2): 266–69

- **Reliability of echocardiographic measurements of left ventricular systolic function in potential pediatric heart transplant donors.** *journal of heart and lung transplantation*
  Chen, S., Selamet Tierney, E. S., Khush, K. K., Nguyen, J., Goldstein, B. A., May, L. J., Hollander, S. A., Kaufman, B. D., Rosenthal, D. N.
  2015; 34 (1): 100-106

- **Appropriate Intravascular Ultrasound Measurement Intervals for Assessment of Cardiac Allograft Vasculopathy after Heart Transplantation**
  Okada, K., Kitahara, H., Otagiri, K., Tanaka, S., Kobayashi, Y., Yock, P., Yeung, A., Fitzgerald, P. J., Valantine, H. A., Khush, K. K., Fearon, W. F., Honda, Y.
  ELSEVIER SCIENCE INC.2014: B105

- **Attenuated-Signal Plaque and Cardiac Allograft Vasculopathy: A Serial Volumetric IVUS Study of Heart Transplant Recipients**
  Okada, K., Kitahara, H., Otagiri, K., Tanaka, S., Kobayashi, Y., Yock, P., Yeung, A., Fitzgerald, P., Valantine, H. A., Khush, K. K., Fearon, W. F., Honda, Y.
  ELSEVIER SCIENCE INC.2014: B102

- **Circulating Cell-Free DNA Enables Noninvasive Diagnosis of Heart Transplant Rejection** *SCIENCE TRANSLATIONAL MEDICINE*
  De Vlaminck, I., Valantine, H. A., Snyder, T. M., Strehl, C., Cohen, G., Luikart, H., Neff, N. F., Okamoto, J., Bernstein, D., Weisshaar, D., Quake, S. R., Khush, K. K.
  2014; 6 (241)

- **VOLUMETRIC VERSUS PLANAR INTRAVASCULAR ULTRASOUND ANALYSIS TO ASSESS SEVERITY OF CARDIAC ALLOGRAFT VASCULOPATHY**
  Okada, K., Kitahara, H., Otagiri, K., Tanaka, S., Kobayashi, Y., Yock, P., Yeung, A., Valantine, H., Khush, K., Fearon, W., Fitzgerald, P., Honda, Y.
  ELSEVIER SCIENCE INC.2014: A1765

- **Identification of Common Blood Gene Signatures for the Diagnosis of Renal and Cardiac Acute Allograft Rejection** *PLOS ONE*
  Li, L., Khush, K., Hsieh, S., Ying, L., Luikart, H., Sigdel, T., Roedder, S., Yang, A., Valantine, H., Sarwal, M. M.
  2013; 8 (12)

- **Temporal response of the human virome to immunosuppression and antiviral therapy.** *Cell*
  De Vlaminck, I., Khush, K. K., Strehl, C., Kohli, B., Luikart, H., Neff, N. F., Okamoto, J., Snyder, T. M., Cornfield, D. N., Nicolls, M. R., Weill, D., Bernstein, D., Valantine, et al
  2013; 155 (5): 1178-1187

- **Pregnancy-Related Human Leukocyte Antigen Sensitization Leading to Cardiac Allograft Vasculopathy and Graft Failure in a Heart Transplant Recipient: A Case Report** *TRANSPLANTATION PROCEEDINGS*
  Ginwalla, M., Pando, M. J., Khush, K. K.
  2013; 45 (2): 800-802

- **Donor Predictors of Allograft Use and Recipient Outcomes After Heart Transplantation** *CIRCULATION-HEART FAILURE*
  Khush, K. K., Menza, R., John Nguyen, J., Zaroff, J. G., Goldstein, B. A.
  2013; 6 (2): 300-309

- **Identification of common blood gene signatures for the diagnosis of renal and cardiac acute allograft rejection.** *PloS one*
  Li, L., Khush, K., Hsieh, S., Ying, L., Luikart, H., Sigdel, T., Roedder, S., Yang, A., Valantine, H., Sarwal, M. M.
  2013; 8 (12)

- **Beta-Adrenergic Receptor Polymorphisms and Cardiac Graft Function in Potential Organ Donors** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Khush, K. K., Pawlikowska, L., Menza, R. L., Goldstein, B. A., Hayden, V., Nguyen, J., Kim, H., Poon, A., Sapru, A., Matthay, M. A., Kwok, P. Y., Young, W. L., Baxter-Lowe, et al
  2012; 12 (12): 3377-3386

- **The Development of De Novo Anti-hla Antibodies after Heart Transplant is Related to the Development of Rejection Depending of Their Complement Fixing Capability**
  Farrero Torres, M., Rigal, M., Valantine, H., Smith, S. B., Khush, K.
  LIPPINCOTT WILLIAMS & WILKINS.2012

- **The 4G/4G Genotype of the PAI-1 (Serpine-1) 4G/5G Polymorphism Is Associated With Decreased Lung Allograft Utilization** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Sapru, A., Zaroff, J. G., Pawlikowska, L., Liu, K. D., Khush, K. K., Baxter-Lowe, L. A., Hayden, V., Menza, R. L., Convery, M., Lo, V., Poon, A., Kim, H., Young, et al
  2012; 12 (7): 1848-1854

- **Electrocardiographic Characteristics of Potential Organ Donors and Associations With Cardiac Allograft Use** *CIRCULATION-HEART FAILURE*
  Khush, K. K., Menza, R., Nguyen, J., Goldstein, B. A., Zaroff, J. G., Drew, B. J.
  2012; 5 (4): 475-483

- **Relation of Improvement in Estimated Glomerular Filtration Rate With Atorvastatin to Reductions in Hospitalizations for Heart Failure (from the Treating to New Targets [TNT] Study)** *AMERICAN JOURNAL OF CARDIOLOGY*
  Ho, J. E., Waters, D. D., Kean, A., Wilson, D. J., DeMicco, D. A., Breazna, A., Wun, C., Deedwania, P. C., Khush, K. K.
  2012; 109 (12): 1761-1766

- **Influence of donor and recipient sex mismatch on heart transplant outcomes: Analysis of the International Society for Heart and Lung Transplantation Registry** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Khush, K. K., Kubo, J. T., Desai, M.
  2012; 31 (5): 459-466

- **Universal noninvasive detection of solid organ transplant rejection** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Snyder, T. M., Khush, K. K., Valantine, H. A., Quake, S. R.
  2011; 108 (15): 6229-6234

- **Single-nucleotide polymorphisms in the beta-adrenergic receptor genes are associated with lung allograft utilization** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*

Sapru, A., Pawlikowska, L., Liu, K. D., Khush, K. K., Ann-Baxter-Lowe, L., Hayden, V., Menza, R. L., Convery, M., Poon, A., Landeck, M., Zaroff, J. G., Matthay, M. A.
2011; 30 (2): 211-217

- **Differentially Expressed RNA from Public Microarray Data Identifies Serum Protein Biomarkers for Cross-Organ Transplant Rejection and Other Conditions** *PLOS COMPUTATIONAL BIOLOGY*
  Chen, R., Sigdel, T. K., Li, L., Kambham, N., Dudley, J. T., Hsieh, S., Klassen, R. B., Chen, A., Caohuu, T., Morgan, A. A., Valantine, H. A., Khush, K. K., Sarwal, et al
  2010; 6 (9)
- **Effect of pulmonary hypertension on clinical outcomes in advanced heart failure: Analysis of the Evaluation Study of Congestive Heart Failure and Pulmonary Artery Catheterization Effectiveness (ESCAPE) database** *AMERICAN HEART JOURNAL*
  Khush, K. K., Tasissa, G., Butler, J., McGlothlin, D., De Marco, T.
  2009; 157 (6): 1026-1034
- **New developments in immunosuppressive therapy for heart transplantation** *EXPERT OPINION ON EMERGING DRUGS*
  Khush, K. K., Valantine, H. A.
  2009; 14 (1): 1-21
- **Thiazolidinediones in heart failure: Slippery when wet** *JOURNAL OF CARDIAC FAILURE*
  Khush, K. K.
  2008; 14 (6): 453–55
- **Association of African American race with elevated pulmonary artery Diastolic pressure: Data from the heart and soul study** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
  Kush, K. K., Shah, S. J., Ristow, B., De Marco, T., Whooley, M. A., Schiller, N. B.
  2007; 20 (11): 1307-1313
- **Donor cardiac troponin I levels do not predict recipient survival after cardiac transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
  Khush, K. K., Menza, R. L., Babcock, W. D., Zaroff, J. G.
  2007; 26 (10): 1048-1053
- **Effect of high-dose atorvastatin on hospitalizations for heart failure - Subgroup analysis of the treating to new targets (TNT) study** *78th Annual Scientific Session of the American-Heart-Association*
  Khush, K. K., Waters, D. D., Bittner, V., Deedwania, P. C., Kastelein, J. J., Lewis, S. J., Wenger, N. K.
  LIPPINCOTT WILLIAMS & WILKINS.2007: 576–83
- **Effects of statin therapy on the development and progression of heart failure: Mechanisms and clinical trials** *JOURNAL OF CARDIAC FAILURE*
  Khush, K. K., Waters, D. D.
  2006; 12 (8): 664-674
- **Nesiritide acutely increases pulmonary and systemic levels of nitric oxide in patients with pulmonary hypertension** *JOURNAL OF CARDIAC FAILURE*
  Khush, K. K., De Marco, T., Vakharia, K. T., Harmon, C., Fineman, J. R., Chatterjee, K., Michaels, A. D.
  2006; 12 (7): 507-513
- **Obese patients have lower B-type and atrial natriuretic peptide levels compared with nonobese.** *Congestive heart failure (Greenwich, Conn.)*
  Khush, K. K., Gerber, I. L., Mckeown, B., Marcus, G., Vessey, J., Foster, E., Chatterjee, K., Michaels, A. D.
  2006; 12 (2): 85-90
- **The history of the coronary care unit** *58th Annual Meeting of the Canadian-Cardiovascular-Society*
  Khush, K. K., Rapaport, E., Waters, D.
  PULSUS GROUP INC.2005: 1041–45
- **A full house: complications from an uncorrected patent ductus arteriosus.** *Current cardiology reports*
  Khush, K. K., Randhawa, R., Israel, E.
  2005; 7 (4): 310-313
- **Age and aneurysm position predict patterns of left ventricular dysfunction after subarachnoid hemorrhage** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*

Khush, K., Kopelnik, A., Tung, P., Banki, N., Dae, M., Lawton, M., Smith, W., Drew, B., Foster, E., Zaroff, J.
2005; 18 (2): 168-174

- **Lessons prom the PROVE-IT trial - Higher dose of potent statin better for high-risk patients** *CLEVELAND CLINIC JOURNAL OF MEDICINE*
  Khush, K. K., Waters, D.
  2004; 71 (8): 609-616