



Kiran Kaur Khush, MD

Professor of Medicine (Cardiovascular Medicine) at the Stanford University Medical Center

Medicine - Cardiovascular Medicine

CLINICAL OFFICES

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

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

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

CLINICAL FOCUS

- Cardiovascular Disease
- Cardiovascular Medicine

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Instructor, Cardiovascular Medicine, Stanford University, (2008-2011)
- Assistant Professor of Medicine, Cardiovascular Medicine, (2011-2015)
- Associate Professor of Medicine, Cardiovascular Medicine, (2015-2020)
- Professor of Medicine, Cardiovascular Medicine, (2020- present)

HONORS AND AWARDS

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

PROFESSIONAL EDUCATION

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

LINKS

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

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

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

CLINICAL TRIALS

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

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Brian Wayda

Postdoctoral Research Mentor

Brian Wayda

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **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., Amsallem, M., Tulu, Z., Kent, W., Fatehi, A., Clarke, B., Heidenreich, P., Hiesinger, W., Khush, K. K., Teuteberg, J., Haddad, F.
2021
- **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
- **(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., Fan, C. P., Tremblay-Gravel, M., Miller, R. J., Kawana, M., Henricksen, E., Parizo, J., Wainwright, R., 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., Teuteberg, J., Tan, J. C.
2020
- **Recent Trends of Infectious Complications Following Heart Transplantation.** *Transplantation*
Multani, A., Moayedi, Y., Puing, A., Henricksen, E., Garvert, D. W., Gomez, C. A., Tremblay-Gravel, M., Bunce, P. E., Luikart, H., 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., Sherman, C., Hall, S., Teuteberg, J., Uriel, N., Kobashigawa, J.
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., Patel, M. S., De La Cruz, S., Hutchens, M., Khush, K., Sally, M., Niemann, C. U., Groat, T., Malinoski, D.
2020
- **Adding Insult on Injury: Immunogenic Role for Donor-derived Cell-free DNA?** *Transplantation*
Dholakia, S., De Vlamincq, I., 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
- **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., Henriksen, 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. 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
- **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
- **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 Vlaminc, 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., Hershman, S. G., Ross, H. J., Khush, K. K., Teuteberg, J. J.
2019; 12 (7): e005754
- **Predicted Heart Mass for Donor Organ Allocation: Getting Closer to the Target.** *Circulation. Heart failure*
Tremblay-Gravel, M., Khush, K.
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., Nieman, K., Town, K., Teuteberg, J. J., Khush, K. K.
2019
- **Safety and Efficacy of PCSK9 Inhibitors After Heart Transplantation.** *The Canadian journal of cardiology*
Moayedi, Y., Kozusko, 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., Fan, C. S., Miller, R. J., Tremblay-Gravel, M., Posada, J. G., Manlhiot, C., Hiller, D., Yee, J., Woodward, R., 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., Valentine, H., Fearon, W. F.

2018

- **Current Use of Hearts From Hepatitis C Viremic Donors.** *Circulation. Heart failure*
Moayed, Y., Fan, C. P., Gulamhusein, A. F., Manlhiot, C., Ross, H. J., Teuteberg, J. J., Khush, K. K.
2018; 11 (12): e005276
- **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., Cottreau, 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., Sakarovich, C., Lee, J., Desai, M., Valentine, H., Yeung, A. C., Fearon, W. F.
2018; 122 (10): 1707–11
- **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
- **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*
Moayed, 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
- **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: Multi-step consent, unrealized opportunity, and the Stanford experience.** *Clinical transplantation*
Moayed, 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*
Moayed, Y., Alhussein, M., Posada, J., Kozusko, S., Khush, K. K., Teuteberg, J. J., Badiwala, M. V., Ross, H. J.
2018; 34 (6): 694–95
- **Disclosure of infectious risk to heart transplant candidates: Shared decision-making is here to stay** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Moayed, Y., Ross, H. J., Khush, K. K.

2018; 37 (5): 564–67

● **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. H., Kobayashi, Y., Nishi, T., Luikart, H., Dimbil, S., Kobashigawa, J., Khush, K., 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., Kobayashi, Y., Yang, H. M., Bouajila, S., Luikart, H., Nishi, T., Choi, D. H., Schnittger, I., Valantine, H. A., Khush, K. K., Yeung, A. C., Haddad, F., 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 Vlaminc, 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 Vlaminc, 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 Vlaminc, 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 Vlaminc, 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., Dionis-Petersen, K. Y., Kobayashi, Y., Nishi, T., Luikart, H., Dimbil, S., Kobashigawa, J., Khush, K., Lewis, D. B., Fearon, W. F.
2017
- **Impact of Asymmetric Dimethylarginine on Coronary Physiology Early After Heart Transplantation.** *The American journal of cardiology*
Parikh, R. V., Khush, K. K., Luikart, H., Pargaonkar, V. S., Kobayashi, Y., Lee, J. H., Sinha, S., Cohen, G., Valantine, H. A., Yeung, A. C., Fearon, W. F.
2017
- **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., Khush, K., Kobayashi, Y., Sinha, S., Luikart, H., Valantine, H., Yeung, A. C., Honda, Y., 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., Kobashigawa, J. A., Kobayashi, Y., Luikart, H., Sana, S., Daun, T., Chmura, S. A., Sinha, S., Cohen, G., Honda, Y., Pham, M., 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 Vlaminc, 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., Sudini, N. L., Rhee, J. W., Aymami, M., Moneghetti, K. J., Bouajila, S., Kobayashi, Y., Kim, J. B., Schnitger, I., 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*
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