

# Stanford

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## Jeffrey Teuteberg

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

Medicine - Cardiovascular Medicine

### CLINICAL OFFICES

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### ACADEMIC CONTACT INFORMATION

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### Bio

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#### BIO

Dr. Teuteberg is board certified in Cardiology and Heart Failure and Transplantation. He is currently the Section Chief of Heart Failure, Cardiac Transplantation, and Mechanical Circulatory Support. He sees patients both in the clinic and in the hospital with advanced heart failure and who have received cardiac transplantation or mechanical circulatory support.

His research interests are in clinical outcomes in patients after transplant and mechanical support as well as novel approaches to immunosuppression. He has participated in many single-center and multi-institutional research studies and has published widely in the fields of transplant and mechanical support. He will serve as President of the International Society of Heart and Lung Transplantation in 2018.

#### CLINICAL FOCUS

- Heart Transplant
- Mechanical Circulatory Support
- Heart Failure
- Cardiovascular Disease

#### ACADEMIC APPOINTMENTS

- Associate Professor - Med Center Line, Medicine - Cardiovascular Medicine

#### ADMINISTRATIVE APPOINTMENTS

- Section Chief, Heart Failure, Cardiac Transplantation, Mechanical Circulatory Support, Cardiovascular Medicine, (2017- present)

#### PROFESSIONAL EDUCATION

- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2017)
- Board Certification: Advanced Heart Failure and Transplant Cardiology, American Board of Internal Medicine (2010)
- Fellowship: Brigham and Women's Hospital Heart Transplant (2004) MA

- Fellowship, University of Chicago , Cardiovascular Medicine (2003)
- Residency, University of Chicago , Internal Medicine (1999)
- Medical Education: Pritzker School of Medicine University of Chicago Registrar (1996) IL

## LINKS

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

## Research & Scholarship

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### CLINICAL TRIALS

- IMAGE: A Comparison of AlloMap Molecular Testing and Traditional Biopsy-based Surveillance for Heart Transplant Rejection, Not Recruiting

## Publications

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### PUBLICATIONS

- **Outcomes Among Patients With Left Ventricular Assist Devices Receiving Maintenance Outpatient Hemodialysis: A Case Series.** *American journal of kidney diseases : the official journal of the National Kidney Foundation*  
Franz, D. D., Hussein, W. F., Abra, G., Diskin, C. D., Duggal, V., Teuteberg, J. J., Chang, T. I., Schiller, B.  
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
- **Predicting Where Patients Will Be, Rather Than Just Seeing Where They Are: Establishing Trajectories of Cardiac Allograft Vasculopathy.** *Circulation*  
Moayedi, Y., Teuteberg, J. J.  
2020; 141 (24): 1968–70
- **Updated definitions of adverse events for trials and registries of mechanical circulatory support: A consensus statement of the mechanical circulatory support academic research consortium.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Kormos, R. L., Antonides, C. F., Goldstein, D. J., Cowger, J. A., Starling, R. C., Kirklin, J. K., Rame, J. E., Rosenthal, D., Mooney, M. L., Caliskan, K., Messe, S. R., Teuteberg, J. J., Mohacsi, et al  
2020
- **Use of Temporary Mechanical Circulatory Support for Management of Cardiogenic Shock Before and After the United Network for Organ Sharing Donor Heart Allocation System Changes.** *JAMA cardiology*  
Varshney, A. S., Berg, D. D., Katz, J. N., Baird-Zars, V. M., Bohula, E. A., Carnicelli, A. P., Chaudhry, S., Guo, J., Lawler, P. R., Nativi-Nicolau, J., Sinha, S. S., Teuteberg, J. J., van Diepen, et al  
2020
- **The Society of Thoracic Surgeons Intermacs 2019 Annual Report: The Changing Landscape of Devices and Indications.** *The Annals of thoracic surgery*  
Teuteberg, J. J., Cleveland, J. C., Cowger, J., Higgins, R. S., Goldstein, D. J., Keebler, M., Kirklin, J. K., Myers, S. L., Salerno, C. T., Stehlik, J., Fernandez, F., Badhwar, V., Pagani, et al  
2020; 109 (3): 649–60
- **Understanding risk factors and predictors for stroke subtypes in the ENDURANCE trials.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Cho, S., Starling, R. C., Teuteberg, J., Rogers, J., Pagani, F., Shah, P., Uchino, K., Hiivala, N.  
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
- **Defining Optimal Outcomes in Patients with Left Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*

- Kanwar, M. K., McIlvennan, C. K., Lohmueller, L. C., Bailey, S. H., Rogers, J. G., Teuteberg, J., Cowger, J.  
2020
- **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., Moayed, 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
  - **Ethical considerations regarding heart and lung transplantation and mechanical circulatory support during the COVID-19 pandemic: an ISHLT COVID-19 Task Force statement.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Holm, A. M., Mehra, M. R., Courtwright, A., Teuteberg, J., Sweet, S., Potena, L., Singer, L. G., Farrero, M., Shullo, M. A., Benza, R., Ensminger, S., Aslam, S.  
2020
  - **Clinical Practice Patterns in Temporary Mechanical Circulatory Support for Shock in the Critical Care Cardiology Trials Network (CCCTN) Registry.** *Circulation. Heart failure*  
Berg, D. D., Barnett, C. F., Kenigsberg, B. B., Papolos, A., Alviari, C. L., Baird-Zars, V. M., Barsness, G. W., Bohula, E. A., Brennan, J., Burke, J. A., Carnicelli, A. P., Chaudhry, S., Cremer, et al  
2019; 12 (11): e006635
  - **Survival Outcomes After Heart Transplantation: Does Recipient Sex Matter?** *Circulation. Heart failure*  
Moayed, 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**  
Moayed, 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
  - **Outcomes of patients with infection related to a ventricular assist device after Heart Transplantation.** *Clinical transplantation*  
Moayed, 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
  - **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
  - **Risk Assessment in Patients with a Left Ventricular Assist Device Across INTERMACS Profiles Using Bayesian Analysis** *ASAIO JOURNAL*  
Kanwar, M. K., Lohmueller, L. C., Teuteberg, J., Kormos, R. L., Rogers, J. G., Benza, R. L., Lindenfeld, J., McIlvennan, C., Bailey, S. H., Murali, S., Antaki, J. F.  
2019; 65 (5): 436–41
  - **Short-term outcomes of en bloc combined heart and liver transplantation in the failing Fontan** *CLINICAL TRANSPLANTATION*  
Vaikunth, S. S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D. N., Teuteberg, J., Woo, Y., Lui, G. K.  
2019; 33 (6)
  - **Thrombotic events with proliferation signal inhibitor-based immunosuppression in cardiac transplantation** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Witkowsky, O., Teuteberg, J., Althouse, A. D., Shullo, M.  
2019; 38 (6): 619–26
  - **Preimplant Phosphodiesterase-5 Inhibitor Use Is Associated With Higher Rates of Severe Early Right Heart Failure After Left Ventricular Assist Device Implantation.** *Circulation. Heart failure*  
Gulati, G., Grandin, E. W., Kennedy, K., Cabezas, F., DeNofrio, D. D., Kociol, R., Rame, J. E., Pagani, F. D., Kirklin, J. K., Kormos, R. L., Teuteberg, J., Kiernan, M.  
2019; 12 (6): e005537

- **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
- **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)
- **Outcomes with ambulatory advanced heart failure from the Medical Arm of Mechanically Assisted Circulatory Support (MedaMACS) Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Ambardekar, A. V., Kittleson, M. M., Palardy, M., Mountis, M. M., Forde-McLean, R. C., DeVore, A. D., Pamboukian, S. V., Thibodeau, J. T., Teuteberg, J. J., Cadaret, L., Xie, R., Taddei-Peters, W., Naftel, et al  
2019; 38 (4): 408–17
- **Impact of Hemodynamic Ramp Test-Guided HVAD Speed and Medication Adjustments on Clinical Outcomes.** *Circulation. Heart failure*  
Uriel, N., Burkhoff, D., Rich, J. D., Drakos, S. G., Teuteberg, J. J., Imamura, T., Rodgers, D., Raikhelkar, J., Vorovich, E. E., Selzman, C. H., Kim, G., Sayer, G.  
2019; 12 (4): e006067
- **Impact of Hemodynamic Ramp Test-Guided HVAD Speed and Medication Adjustments on Clinical Outcomes The RAMP-IT-UP Multicenter Study** *CIRCULATION-HEART FAILURE*  
Uriel, N., Burkhoff, D., Rich, J. D., Drakos, S. G., Teuteberg, J. J., Imamura, T., Rodgers, D., Raikhelkar, J., Vorovich, E. E., Selzman, C. H., Kim, G., Sayer, G.  
2019; 12 (4)
- **Outcomes with ambulatory advanced heart failure from the Medical Arm of Mechanically Assisted Circulatory Support (MedaMACS) Registry** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Ambardekar, A., Kittleson, M. M., Palardy, M., Mountis, M. M., Forde-McLean, R. C., DeVore, A. D., Pamboukian, S., Thibodeau, J. T., Teuteberg, J. J., Cadaret, L., Xie, R., Taddei-Peters, W., Naftel, et al  
2019; 38 (4): 408–17
- **Short-Term Outcomes of en bloc Combined Heart and Liver Transplantation in the Failing Fontan.** *Clinical transplantation*  
Vaikunth, S. S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D. N., Teuteberg, J., Joseph Woo, Y., Lui, G. K.  
2019; e13540
- **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
- **Tolerability of Sacubitril/Valsartan in Patients With Durable Left Ventricular Assist Devices.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Sharma, A., Moayedi, Y., Duclos, S., Teuteberg, J., Banerjee, D.  
2019
- **The Society of Thoracic Surgeons Intermacs Database Annual Report: Evolving Indications, Outcomes, and Scientific Partnerships.** *The Annals of thoracic surgery*  
Kormos, R. L., Cowger, J., Pagani, F. D., Teuteberg, J. J., Goldstein, D. J., Jacobs, J. P., Higgins, R. S., Stevenson, L. W., Stehlik, J., Atluri, P., Grady, K. L., Kirklin, J. K.  
2019; 107 (2): 341–53
- **The Society of Thoracic Surgeons Intermacs database annual report: Evolving indications, outcomes, and scientific partnerships.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Kormos, R. L., Cowger, J., Pagani, F. D., Teuteberg, J. J., Goldstein, D. J., Jacobs, J. P., Higgins, R. S., Stevenson, L. W., Stehlik, J., Atluri, P., Grady, K. L., Kirklin, J. K.  
2019; 38 (2): 114–26
- **Risk Assessment in Patients with a Left Ventricular Assist Device Across INTERMACS Profiles Using Bayesian Analysis.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Kanwar, M. K., Lohmueller, L. C., Teuteberg, J., Kormos, R. L., Rogers, J. G., Benza, R. L., Lindenfeld, J., McIlvennan, C., Bailey, S. H., Murali, S., Antaki, J. F.  
2019

- **Thrombotic events with proliferation signal inhibitor#based immunosuppression in cardiac transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Witkowsky, O., Teuteberg, J., Althouse, A. D., Shullo, M.  
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
- **Innovations in Ventricular Assist Devices for End-Stage Heart Failure** *ANNUAL REVIEW OF MEDICINE, VOL 70*  
Miller, R. H., Teuteberg, J. J., Hunt, S. A., Klotman, M. E.  
2019; 70: 33–44
- **INTERMACS profiles and outcomes of ambulatory advanced heart failure patients: A report from the REVIVAL Registry.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*  
Kittleston, M. M., Shah, P., Lala, A., McLean, R. C., Pamboukian, S., Horstmannshof, D. A., Thibodeau, J., Shah, K., Teuteberg, J., Gilotra, N. A., Taddei-Peters, W. C., Cascino, T. M., Richards, et al  
2019
- **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
- **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
- **Interpreting Neurologic Outcomes in a Changing Trial Design Landscape: An Analysis of HVAD Using a Hybrid Intention to Treat Population.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*  
Mahr, C., Thinh Pham, D., Mokadam, N. A., Silvestry, S. C., Cowger, J., Kiernan, M. S., D'alessandro, D. A., Coglianese, E. E., Faraz Masood, M., Kormos, R. L., Jacoski, M. V., Teuteberg, J. J.  
2018
- **The Incremental Value of Right Ventricular Size and Strain in the Risk Assessment of Right Heart Failure Post - Left Ventricular Assist Device Implantation.** *Journal of cardiac failure*  
Aymami, M., Amsallem, M., Adams, J., Sallam, K., Moneghetti, K., Wheeler, M., Hiesinger, W., Teuteberg, J., Weisshaar, D., Verhoye, J., Woo, Y. J., Ha, R., Haddad, et al  
2018; 24 (12): 823–32
- **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
- **Innovations in Ventricular Assist Devices for End-Stage Heart Failure.** *Annual review of medicine*  
Miller, R. J., Teuteberg, J. J., Hunt, S. A.  
2018
- **Planned Concomitant Left and Right Ventricular Assist Device Insertion to Avoid Long-term Biventricular Mechanical Support: Bridge to Right Ventricular Recovery.** *The heart surgery forum*

- Salna, M., Shudo, Y., Teuteberg, J. J., Banerjee, D., Ha, R. V., Woo, Y. J., Hiesinger, W.  
2018; 21 (5): E412–E414
- **Right ventricular load adaptability metrics in patients undergoing left ventricular assist device implantation.** *The Journal of thoracic and cardiovascular surgery*  
Amsallem, M., Aymami, M., Hiesinger, W., Zeigler, S., Moneghetti, K., Marques, M., Teuteberg, J., Ha, R., Banerjee, D., Haddad, F.  
2018
  - **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
  - **A Bayesian Model to Predict Survival After Left Ventricular Assist Device Implantation** *JACC-HEART FAILURE*  
Kanwar, M. K., Lohmueller, L. C., Kormos, R. L., Teuteberg, J. J., Rogers, J. G., Lindenfeld, J., Bailey, S. H., McIlvennan, C. K., Benza, R., Murali, S., Antaki, J.  
2018; 6 (9): 771–79
  - **The 2018 ISHLT/APM/AST/ICCAC/STSW Recommendations for the Psychosocial Evaluation of Adult Cardiothoracic Transplant Candidates and Candidates for Long-term Mechanical Circulatory Support** *PSYCHOSOMATICS*  
Dew, M., DiMartini, A. F., Dobbels, F., Grady, K. L., Jowsey-Gregoire, S. G., Kaan, A., Kendall, K., Young, Q., Abbey, S. E., Butt, Z., Crone, C. C., De Geest, S., Doligalski, et al  
2018; 59 (5): 415–40
  - **Substantial Reduction in Driveline Infection Rates With the Modification of Driveline Dressing Protocol.** *Journal of cardiac failure*  
Lander, M. M., Kunz, N., Dunn, E., Althouse, A. D., Lockard, K., Shullo, M. A., Kormos, R. L., Teuteberg, J. J.  
2018
  - **The 2018 ISHLT/APM/AST/ICCAC/STSW recommendations for the psychosocial evaluation of adult cardiothoracic transplant candidates and candidates for long-term mechanical circulatory support** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Dew, M., DiMartini, A. F., Dobbels, F., Grady, K. L., Jowsey-Gregoire, S. G., Kaan, A., Kendall, K., Young, Q., Abbey, S. E., Butt, Z., Crone, C. C., De Geest, S., Doligalski, et al  
2018; 37 (7): 803–23
  - **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., Kozusko, S., Khush, K. K., Teuteberg, J. J., Badiwala, M. V., Ross, H. J.  
2018; 34 (6): 694–95
  - **OUTCOME OF EN-BLOC COMBINED HEART AND LIVER TRANSPLANTATION IN THE ADULT FAILING FONTAN**  
Vaikunth, S., Concepcion, W., Daugherty, T., Fowler, M., Lutchman, G., Maeda, K., Rosenthal, D., Teuteberg, J., Woo, Y., Lui, G. K.  
ELSEVIER SCIENCE INC.2018: 539
  - **RIGHT VENTRICULAR LOAD ADAPTABILITY IN PATIENTS UNDERGOING CONTINUOUS-FLOW LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION**  
Amsallem, M., Aymami, M., Hiesinger, W., Zeigler, S., Moneghetti, K., Marques, M., Wheeler, M., Teuteberg, J., Ha, R., Banerjee, D., Haddad, F.  
ELSEVIER SCIENCE INC.2018: 1624
  - **Outcomes of Heart Failure Admissions Under Observation Versus Short Inpatient Stay** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*  
Masri, A., Althouse, A. D., McKibben, J., Thoma, F., Mathier, M., Ramani, R., Teuteberg, J., Marroquin, O., Lee, J. S., Mulukutla, S. R.  
2018; 7 (3)
  - **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., Valentine, et al  
2015; 34 (7): 970-977

- **Utility of gene expression profiling score variability to predict clinical events in heart transplant recipients.** *Transplantation*  
Deng, M. C., Elashoff, B., Pham, M. X., Teuteberg, J. J., Kfoury, A. G., Starling, R. C., Cappola, T. P., Kao, A., Anderson, A. S., Cotts, W. G., Ewald, G. A., Baran, D. A., Bogaev, et al  
2014; 97 (6): 708-714
- **Prognosis of Right Ventricular Failure in Patients With Left Ventricular Assist Device Based on Decision Tree With SMOTE** *IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE*  
Wang, Y., Simon, M., Bonde, P., Harris, B. U., Teuteberg, J. J., Kormos, R. L., Antaki, J. F.  
2012; 16 (3): 383-390
- **Decision tree for adjuvant right ventricular support in patients receiving a left ventricular assist device** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Wang, Y., Simon, M. A., Bonde, P., Harris, B. U., Teuteberg, J. J., Kormos, R. L., Antaki, J. F.  
2012; 31 (2): 140-149
- **The International Society of Heart and Lung Transplantation Guidelines for the care of heart transplant recipients** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Costanzo, M. R., Dipchand, A., Starling, R., Anderson, A., Chan, M., Desai, S., Fedson, S., Fisher, P., Gonzales-Stawinski, G., Martinelli, L., McGiffin, D., Parisi, F., Smith, et al  
2010; 29 (8): 914-956
- **Gene-Expression Profiling for Rejection Surveillance after Cardiac Transplantation** *NEW ENGLAND JOURNAL OF MEDICINE*  
Pham, M. X., Teuteberg, J. J., Kfoury, A. G., Starling, R. C., Deng, M. C., Cappola, T. P., Kao, A., Anderson, A. S., Cotts, W. G., Ewald, G. A., Baran, D. A., Bogaev, R. C., Elashoff, et al  
2010; 362 (20): 1890-1900
- **Molecular testing for long-term rejection surveillance in heart transplant recipients: Design of the Invasive Monitoring Attenuation Through Gene Expression (IMAGE) trial** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Pham, M. X., Deng, M. C., Kfoury, A. G., Teuteberg, J. J., Starling, R. C., Valentine, H.  
2007; 26 (8): 808-814
- **Biventricular assist device utilization for patients with morbid congestive heart failure - A justifiable strategy** *CIRCULATION*  
Tsukui, H., Teuteberg, J. J., Murali, S., McNamara, D. M., Buchanan, J. R., Winowich, S., Stanford, E., Mathier, M. A., Cadaret, L. M., Kormos, R. L.  
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