
Cardiovascular Scholarly Activity

2017-2023

2023 Scholarly Activity

Acharya, D., Kazui, T., Al Rameni, D., Acharya, T., Betterton, E., Juneman, E., Loyaga-Rendon, R., Lotun, K., Shetty, R., & Chatterjee, A. (2023). Aortic valve disorders and left ventricular assist devices. *Front Cardiovasc Med*, 10, 1098348.

Acharya, D., Manandhar-Shrestha, N., Leacche, M., Rajapreyar, I., William, P., Kazui, T., Hooker, R., Tonna, J., Jovinge, S., & Loyaga-Rendon, R. (2023). Extracorporeal membrane oxygenation as a bridge to advanced heart failure therapies. *Journal of Heart and Lung Transplantation*.

Böhme, T., Zeller, T., Shishehbor, M. H., Werner, M., Brodmann, M., Parise, H., Holden, A., Lichtenberg, M., Parikh, S. A., Kashyap, V. S., Pietras, C., Tirziu, D., Beschorner, U., Krishnan, P., Niazi, K. A., Wali, A. U., & Lansky, A. J. (2023). Chocolate Touch Versus Lutonix Drug-Coated Balloon for Femoropopliteal Lesions in Diabetes: The Chocolate Touch Study. *Journal of Endovascular Therapy*, 15266028231179589.

Cooper, S., Mowery, M., Brunner, M., & MacFarlane, J. (2023). Coil Embolization of a Pulmonary Varix via a Transseptal Approach Using Intracardiac Echocardiography. *Journal of Vascular and Interventional Radiology*.

Ito, S., Laham, R., Nkomo, V. T., Forrest, J. K., Reardon, M. J., Little, S. H., Mumtaz, M., Gada, H., Bajwa, T., Langholz, D., Heiser, J., Chawla, A., Jenson, B., Attizanni, G., Markowitz, A. H., Huang, J., & Oh, J. K. (2023). Impact of aortic valve replacement in symptomatic low-risk patients with less than severe aortic stenosis. *Open Heart*, 10(1).

Kajy, M., Higginbotham, D. O., Etemad-Rezaie, A., Ball, G. R. S., & Vaidya, R. (2023). Use of Fantasy Points in Evaluating Professional Athlete Performance After Anterior Cruciate Ligament (ACL) Reconstruction. *Cureus*, 15(3), e35855.

Kelty, C. E., Berjaoui, W., Shrestha, N. K., Fitch, S., Jovinge, S. M., & Loyaga-Rendon, R. L. (2023). Veno-arterial extracorporeal membrane oxygenation versus standard medical management for massive pulmonary embolism. *Perfusion*, 2676591231182247.

Loyaga-Rendon, R. Y., Lee, S., Dickinson, M. G., Grayburn, R., Gonzalez, M., Jani, M., Fermin, D., Vanoosterhout, S., Parker, J. L., McNamara, D. A., & Madder, R. D. (2023). Physician Radiation Exposure During Endomyocardial Biopsy and Right Heart Catheterization. *Journal of Cardiac Failure*, 29(4), 473-478.

Parikh, M. J., & Madder, R. D. (2023). Near-Infrared Spectroscopy-Guided Percutaneous Coronary Intervention: Practical Applications and Available Evidence. *Interv Cardiol Clin*, 12(2), 257-268.

Trachtenberg, B., Cowger, J., Jennings, D. L., Grafton, G., Loyaga-Rendon, R., Cogswell, R., Klein, L., Shah, P., Kiernan, M., & Vorovich, E. (2023). HFSA Expert Consensus Statement on the Medical Management of Patients on Durable Mechanical Circulatory Support. *Journal of Cardiac Failure*, 29(4), 479-502.

Uriel, N., Milano, C., Agarwal, R., Lee, S., Cleveland, J., Goldstein, D., Wang, A., Crandall, D., & Mehra, M. R. (2023). Incidence and clinical correlates of de-novo aortic regurgitation with a fully magnetically levitated left ventricular assist device: a MOMENTUM 3 trial portfolio analysis. *European Journal of Heart Failure*, 25(2), 286-294.

2022 Scholarly Activity

- Badran, S., & Lee, S. (2022). Even in heart failure, integrating palliative care and aggressive medical therapy is a thing. *Journal of the American College of Cardiology*, 80(4), 345-347.
- Isaza, N., Gonzalez, M., Saijo, Y., Vega Brizneda, M., Estep, J., Starling, R. C., Albert, C., Soltesz, E., Tong, M. Z., Smedira, N., Grimm, R. A., Griffin, B. P., Popovic, Z. B., & Xu, B. (2022). Incremental value of global longitudinal strain to Michigan risk score and pulmonary artery pulsatility index in predicting right ventricular failure following left ventricular assist devices. *Heart, Lung & Circulation*, 31(8), 1110-1118.
- Isaza, N., Gonzalez, M., Vega Brizneda, M., Saijo, Y., Estep, J., Starling, R. C., Albert, C., Soltesz, E., Tong, M. Z., Smedira, N., Grimm, R. A., Griffin, B. P., Popovic, Z. B., & Xu, B. (2022). Incremental value of strain imaging in the multi-parametric approach for evaluation and prediction of right ventricular failure post left ventricular assist device. *Heart, Lung & Circulation*, 31(11), e145-146.
- Jani, M., Lee, S., Acharya, D., Hoeksema, S., Boeve, T., Leacche, M., Manandhar-Shrestha, N. K., Jovinge, S. V., & Loyaga-Rendon, R. Y. (2022). Decreased frequency of transplantation and lower post-transplant survival free of re-transplantation in LVAD patients with the new heart transplant allocation system. *Clinical Transplantation*, 36(1), e14493.
- Lee, S., & Jani, M. (2022). The HOPE Clinic: More than just a name change. *Journal of Cardiac Failure*, 28(10), 1560-1562.
- Molina, E. J., Cowger, J., Lee, S., Horstmannshof, D., Cleveland, J. C., Jr., Goldstein, D. J., Mehra, M. R., Uriel, N., Salerno, C. T., Bourque, K., Chuang, J., & Naka, Y. (2022). Outcomes in smaller body size adults after HeartMate 3 left ventricular assist device implantation. *Annals of Thoracic Surgery*, 114(6), 2262-2269.
- Loyaga-Rendon, R. Y., Lee, S., Dickinson, M. G., Grayburn, R., Gonzalez, M., Jani, M., Fermin, D., Vanoosterhout, S., Parker, J. L., McNamara, D. A., & Madder, R. D. (2022). Physician radiation exposure during endomyocardial biopsy and right heart catheterization. *Journal of Cardiac Failure*.
- Uriel, N., Milano, C., Agarwal, R., Lee, S., Cleveland, J., Goldstein, D., Wang, A., Crandall, D., & Mehra, M. R. (2022). Incidence and clinical correlates of de-novo aortic regurgitation with a fully magnetically levitated left ventricular assist device: a MOMENTUM 3 trial portfolio analysis. *European Journal of Heart Failure*.
- Bonkowski, T. J., Madison, C. M., Dandamudi, S., & McNamara, D. A. (2022). A treacherous twist on ECG. *American Journal of Medicine*, 135(3), 331-333.
- Kassier, A., Velagapudi, P., Shrestha, N. M., Schuitema, J., Gauri, A., Frost, J., Merhi, W., Jovinge, S., & Chalfoun, N. (2022). Optimizing care of patients with right bundle branch block undergoing transcatheter aortic valve replacement. *Cardiovascular Revascularization Medicine*, 42, 17-25.
- Min, J., Young, G., Umar, A., Kampfschulte, A., Ahrar, A., Miller, M., Khan, N., Wees, N., Chalfoun, N., & Khan, M. (2022). Neurogenic cardiac outcome in patients after acute ischemic stroke: The brain and heart connection. *Journal of Stroke and Cerebrovascular Diseases*, 31(12), 106859.
- Rowin, E. J., Maron, M. S., Adler, A., Albano, A. J., Varnava, A. M., Spears, D., Marsy, D., Heitner, S. B., Cohen, E., Leong, K. M. W., Winters, S. L., Martinez, M. W., Koethe, B. C., Rakowski, H., & Maron, B. J. (2022). Importance of newer cardiac magnetic resonance-based risk markers for sudden death prevention in hypertrophic cardiomyopathy: An international multicenter study. *Heart Rhythm*, 19(5), 782-789.

-
- Sattar, Y., Song, D., Sarvepalli, D., Zaidi, S. R., Ullah, W., Arshad, J., Mir, T., Zghouzi, M., Elgendi, I. Y., Qureshi, W., Chalfoun, N., & Alraies, M. (2022). Accuracy of pulsatile photoplethysmography applications or handheld devices vs. 12-lead ECG for atrial fibrillation screening: a systematic review and meta-analysis. *Journal of Interventional Cardiac Electrophysiology*, 65(1), 33-44.
- Wazni, O., Dandamudi, G., Sood, N., Hoyt, R., Tyler, J., Durrani, S., Niebauer, M., Makati, K., Halperin, B., Gauri, A., Morales, G., Shao, M., Pouliot, E., Kaplon, R. E., & Nissen, S. E. (2022). Quality of life after the initial treatment of atrial fibrillation with cryoablation versus drug therapy. *Heart Rhythm*, 19(2), 197-205.
- Kajy, M., & Ramappa, P. (2022). A galvanizing solution: Colonoscopy bowel preparation as a trigger for supraventricular tachycardia. *Annals of Pharmacotherapy*, 56(3), 297-302.
- Golbus, J. R., Gupta, K., Stevens, R., Jeganathan, V. S., Luff, E., Boyden, T., Mukherjee, B., Klasnja, P., Kheterpal, S., Kohnstamm, S., & Nallamothu, B. K. (2022). Understanding baseline physical activity in cardiac rehabilitation enrollees using mobile health technologies. *Circulation. Cardiovascular Quality and Outcomes*, 15(7), e009182.
- Jeganathan, V. S., Golbus, J. R., Gupta, K., Luff, E., Dempsey, W., Boyden, T., Rubenfire, M., Mukherjee, B., Klasnja, P., Kheterpal, S., & Nallamothu, B. K. (2022). Virtual AppLication-supported Environment To INcrease Exercise (VALENTINE) during cardiac rehabilitation study: Rationale and design. *American Heart Journal*, 248, 53-62.
- McNamara, D. A., VanOosterhout, S., Klungle, D., Busman, D., Parker, J. L., Kampfschulte, A., Jovinge, S., Wohns, D., & Madder, R. D. (2022). Pandemic-associated delays in myocardial infarction presentation in predominantly rural counties with low COVID-19 prevalence. *American Journal of Cardiology*, 169, 18-23.
- Azzalini, L., Seth, M., Sukul, D., Valle, J. A., Daher, E., Wanamaker, B., Tucciarone, M. T., Zaitoun, A., Madder, R. D., & Gurm, H. S. (2022). Trends and outcomes of percutaneous coronary intervention during the COVID-19 pandemic in Michigan. *PLoS One*, 17(9), e0273638.
- Deeb, G. M., Reardon, M. J., Ramlawi, B., Yakubov, S. J., Chetcuti, S. J., Kleiman, N. S., Mangi, A. A., Zahr, F., Song, H. K., Gada, H., Mumtaz, M., Heiser, J., Merhi, W., Murrah, C. P., Noel, T., Kirshner, M., Byrne, T., Ito, S., Huang, J., & Forrest, J. K. (2022). Propensity-matched 1-year outcomes following transcatheter aortic valve replacement in low-risk bicuspid and tricuspid patients. *JACC. Cardiovascular Interventions*, 15(5), 511-522.
- Dixon, S. R., Rabah, M., Emerson, S., Schultz, C., & Madder, R. D. (2022). A novel catheterization laboratory radiation shielding system: Results of pre-clinical testing. *Cardiovascular Revascularization Medicine*, 36, 51-55.
- Forrest, J. K., Deeb, G. M., Yakubov, S. J., Rovin, J. D., Mumtaz, M., Gada, H., O'Hair, D., Bajwa, T., Sorajja, P., Heiser, J. C., Merhi, W., Mangi, A., Spriggs, D. J., Kleiman, N. S., Chetcuti, S. J., Teirstein, P. S., Zorn, G. L., Tadros, P., Tchetche, D., Resar, J. R., Walton, A., Gleason, T. G., Ramlawi, B., Iskander, A., Caputo, R., Oh, J. K., Huang, J., & Reardon, M. J. (2022). 2-year outcomes after transcatheter versus surgical aortic valve replacement in low-risk patients. *Journal of the American College of Cardiology*, 79(9), 882-896.
- Joseph, T., VanOosterhout, S., Negash, A., VanLoo, L., Redmond, M., Parker, J. L., McNamara, D. A., & Madder, R. D. (2022). Robotically performed diagnostic coronary angiography. *Catheterization and Cardiovascular Interventions*, 100(2), 207-213.
- Joseph, T. A., & Madder, R. D. (2022). PCI volumes: Have volumes and experience become irrelevant? *Cardiovascular Revascularization Medicine*, 40, 69-70.

- Madder, R. D., Seth, M., Sukul, D., Alraies, M. C., Qureshi, M., Tucciarone, M., Saltiel, F., Qureshi, M. I., & Gurm, H. S. (2022). Rates of Intracoronary Imaging Optimization in Contemporary Percutaneous Coronary Intervention: A Report From the BMC2 Registry. *Circulation: Cardiovascular Interventions*, 15(10), e012182.
- McNamara, D. A., Chopra, R., Decker, J. M., McNamara, M. W., VanOosterhout, S. M., Berkompas, D. C., Dahu, M. I., Kenaan, M. A., Jawad, W. I., Merhi, W. M., Parker, J. L., & Madder, R. D. (2022). Comparison of radiation exposure among interventional echocardiographers, interventional cardiologists, and sonographers during percutaneous structural heart interventions. *JAMA Network Open*, 5(7), e2220597.
- Merhi, W. M., Heiser, J., Deeb, G. M., Yakubov, S. J., Lim, D. S., Bladergroen, M., Tadros, P., Zorn, G., 3rd, Byrne, T., Kirshner, M., Huang, J., & Reardon, M. J. (2022). Outcomes in patients with asymptomatic aortic stenosis (from the Evolut Low Risk trial). *American Journal of Cardiology*, 168, 110-116.
- O'Neill, W. W., Anderson, M., Burkhoff, D., Grines, C. L., Kapur, N. K., Lansky, A. J., Mannino, S., McCabe, J. M., Alaswad, K., Daggubati, R., Wohns, D., Meraj, P. M., Pinto, D. S., Popma, J. J., Moses, J. W., Schreiber, T. L., & Magnus Ohman, E. (2022). Improved outcomes in patients with severely depressed LVEF undergoing percutaneous coronary intervention with contemporary practices. *American Heart Journal*, 248, 139-149.
- Salcido-Rios, J., McNamara, D. A., VanOosterhout, S., VanLoo, L., Redmond, M., Parker, J. L., & Madder, R. D. (2022). Suspended lead suit and physician radiation doses during coronary angiography. *Catheterization and Cardiovascular Interventions*, 99(4), 981-988.
- Van Mieghem, N. M., Deeb, G. M., Søndergaard, L., Grube, E., Windecker, S., Gada, H., Mumtaz, M., Olsen, P. S., Heiser, J. C., Merhi, W., Kleiman, N. S., Chetcuti, S. J., Gleason, T. G., Lee, J. S., Cheng, W., Makkar, R. R., Crestanello, J., George, B., George, I., Kodali, S., Yakubov, S. J., Serruys, P. W., Lange, R., Piazza, N., Williams, M. R., Oh, J. K., Adams, D. H., Li, S., & Reardon, M. J. (2022). Self-expanding transcatheter vs surgical aortic valve replacement in intermediate-risk patients: 5-year outcomes of the SURTAIVI randomized clinical trial. *JAMA Cardiology*, 7(10), 1000-1008.
- Zahr, F., Song, H. K., Chadderton, S. M., Gada, H., Mumtaz, M., Byrne, T., Kirshner, M., Bajwa, T., Weiss, E., Kodali, S., George, I., Heiser, J., Merhi, W. M., Thaden, J. J., Zhang, A., Lim, D. S., Reardon, M. J., Adams, D. H., Mack, M. J., & Leon, M. B. (2022). 30-day outcomes following transfemoral transseptal transcatheter mitral valve replacement: Intrepid TMVR early feasibility study results. *JACC. Cardiovascular Interventions*, 15(1), 80-89.
- Gonzalez, M., Chaudhry, S. P., Harrison, R., Biglane, J. B., Tanaka, D., Pham, D., & Mehta, D. (2022). Barriers to durable left ventricular assist device referrals. [Abstract]. *Journal of Cardiac Failure*, 28(5 Suppl.), S66-67.
- Gomez, T., Jani, M., Dickinson, M. G., Grayburn, R., Gonzalez, M., Fermin, D. R., Lee, S., Shrestha, N. M., Leacche, M., Jovinge, S., & Loyaga-Rendon, R. Y. (2022). Intermediate (one-year) outcomes of cardiogenic shock patients supported by ECMO due to decompensated heart failure and acute myocardial infarction. [Abstract]. *Journal of Heart and Lung Transplantation*, 41(4 Suppl.), S185.
- Banno, J., Rosemas, S., Albano, A., Brunner, M. P., Dahu, M., Dandamudi, S., Elmouchi, D., Khan, M., Jawad, W., Min, J. Y., Gauri, A. J., & Chalfoun, N. T. (2022). A cost comparison of atrial fibrillation monitoring after ischemic stroke using an insertable cardiac monitor versus wearable monitor. [Abstract]. *Journal of the American College of Cardiology*, 79(9 Suppl.), 165.
- Bonkowski, T., Abdallah, W. M., Singhal, V., Aardema, K., Timek, T., & McNamara, D. (2022). Primary

-
- pericardial angiosarcoma presenting as constrictive pericarditis. [Abstract]. *Journal of the American College of Cardiology*, 79(9 Suppl.), 3106.
- Chopra, R., Kerndt, C. C., Summers, D. F., Rechenberg, A., Jovinge, S., Boyden, T. F., & Langholz, D. E. (2022). Using artificial intelligence to accurately quantify coronary artery calcifications on non-gated non-contrast CT scans to diagnose individuals with high risk coronary artery disease. [Abstract]. *Journal of the American College of Cardiology*, 79(9 Suppl.), 2040.
- Ahmed, M. U., Mallick, D., Berkompas, D. C., Merhi, W., Davis, A. T., & Min, J. Y. (2022). ACE2L: A novel scoring tool with high sensitivity and specificity in predicting atrial fibrillation in cryptogenic stroke. [Abstract]. *Stroke*, 53(Suppl. 1), ATP219.
- Cook, S. C., Saidi, A., Singh, H. S., Madder, R., Cohen, S., Vanoosterhout, S., Samuel, B. P., & Finn, M. (2022). Pre-procedural anxiety in adults with congenital heart disease. [Abstract]. *Journal of the American College of Cardiology*, 79(9 Suppl.), 1406.
- ## 2021 Scholarly Activity
- Gonzalez, M. H., Wang, Q., Yaranov, D. M., Albert, C., Wolski, K., Wagener, J., Aggarwal, A., Menon, V., Jacob, M., Tang, W., Hsich, E., Taylor, D., Tong, M., Soltesz, E., Estep, J. D., Starling, R. C., & Joyce, E. (2021). Dynamic Assessment of Pulmonary Artery Pulsatility Index Provides Incremental Risk Assessment for Early Right Ventricular Failure After Left Ventricular Assist Device. *Journal of Cardiac Failure*, 27(7), 777-785.
- Acharyaboyden, D., Loyaga-Rendon, R. Y., Chatterjee, A., Rajapreyar, I., & Lee, K. (2021). Optical Coherence Tomography in Cardiac Allograft Vasculopathy: State-of-the-Art Review. *Circulation: Heart Failure*, 14(9), e008416.
- Marshall M, Ferguson ID, Lewis P, Jaggi P, Gagliardo C, Collins JS, Shaughnessy R, Caron R, Fuss C, Corbin KJE, Emuren L, Faherty E, Hall EK, Di Pentima C, Oster ME, Paintsil E, Siddiqui S, Timchak DM, Guzman-Cottrill JA. Symptomatic Acute Myocarditis in 7 Adolescents After Pfizer-BioNTech COVID-19 Vaccination. *Pediatrics*. 2021 Sep;148(3):e2021052478. doi: 10.1542/peds.2021-052478. Epub 2021 Jun 4. PMID: 34088762.
- Refahiyat L, VanOosterhout S, Pageau S, Parker JL, Madder RD. Patient Body Mass Index and Occupational Radiation Doses to Circulating Nurses During Coronary Angiography. *Cardiovasc Revasc Med*. 2021 May;26:48-52. doi: 10.1016/j.carrev.2020.10.022. Epub 2020 Oct 31. PMID: 33168435.
- Purohit E, Karimipour D, Madder RD. Multiple Cutaneous Cancers in an Interventional Cardiologist: Predominance in Unprotected Skin Nearest the Radiation Source. *Cardiovasc Revasc Med*. 2021 Jul;28S:206-207. doi: 10.1016/j.carrev.2021.01.029. Epub 2021 Jan 29. PMID: 33549498.
- Parikh MJ, Schuleri KH, Chakrabarti AK, O'Neill WW, Kapur NK, Wohns DH. Door-to-unload: left ventricular unloading before reperfusion in ST-elevation myocardial infarction. *Future Cardiol*. 2021 Jul;17(4):549-559. doi: 10.2217/fca-2021-0006. Epub 2021 Feb 18. PMID: 33599135.
- Kajy M, Ramappa P. A Galvanizing Solution: Colonoscopy Bowel Preparation as a Trigger for Supraventricular Tachycardia. *Ann Pharmacother*. 2021 Jun 13:10600280211023808. doi: 10.1177/10600280211023808. Epub ahead of print. PMID: 34121474.
- Alnababteh M, Hashmi MD, Vedantam K, Chopra R, Kohli A, Hayat F, Kriner E, Molina E, Pratt A, Oweis E, Zaaqoq AM. Extracorporeal membrane oxygenation for COVID-19 induced hypoxia: Single-center study. *Perfusion*. 2021 Sep;36(6):564-572. doi: 10.1177/0267659120963885. Epub 2020 Oct 6. PMID: 33021147.

Wahab A, Dey AK, Bandyopadhyay D, Katikineni V, Chopra R, Vedantam KS, Devraj M, Chowdary AK, Navarengom K, Lavie CJ, Kolpakchi A, Jneid H. Obesity, Systemic Hypertension, and Pulmonary Hypertension: A Tale of Three Diseases. *Curr Probl Cardiol.* 2021 Mar;46(3):100599. doi: 10.1016/j.cpcardiol.2020.100599. Epub 2020 May 18. PMID: 32560908.

McNamara DA, Chopra R, Ganantra RB. Early Rhythm Control in Atrial Fibrillation. *N Engl J Med.* 2021 Feb 4;384(5):483. doi: 10.1056/NEJMc2032433. PMID: 33534982.

Madder RD, Kubo T, Ino Y, Kameyama T, Terada K, VanOosterhout S, Mulder A, McNamara M, Kenaan M, Samani S, Kassier A, Parker JL, McNamara R, Akasaka T. Target Lesion Lipid Content Detected by Near-Infrared Spectroscopy After Stenting and the Risk of Subsequent Target Lesion Failure. *Arterioscler Thromb Vasc Biol.* 2021 Jul;41(7):2181-2189. doi: 10.1161/ATVBAHA.120.315617. Epub 2021 May 13. PMID: 33980034.

Dixon SR, Rabah M, Emerson S, Schultz C, Madder RD. A novel catheterization laboratory radiation shielding system: Results of pre-clinical testing. *Cardiovasc Revasc Med.* 2021 May 21:S1553-8389(21)00263-3. doi: 10.1016/j.carrev.2021.05.017. Epub ahead of print. PMID: 34052128.

Terada K, Kubo T, Madder RD, Ino Y, Takahata M, Shimamura K, Shiono Y, Nishi T, Emori H, Higashioka D, Khalifa AKM, Wada T, Akasaka T. Near-Infrared Spectroscopy to Predict Microvascular Obstruction after Primary Percutaneous Coronary Intervention. *EuroIntervention.* 2021 Jun 8:EIJ-D-20-01421. doi: 10.4244/EIJ-D-20-01421. Epub ahead of print. PMID: 34105512.

Singer J, VanOosterhout S, Madder R. Remote robotic endovascular thrombectomy for acute ischaemic stroke. *BMJ Neurol Open.* 2021 Jun 30;3(1):e000141. doi: 10.1136/bmjno-2021-000141. PMID: 34263168; PMCID: PMC8246369.

Meloche C, Seth M, Madder RD, Kurlander JE, Yaser J, Chattahi J, Collins J, Lingam N, Arora D, Gurm HS, Sukul D. Percutaneous Coronary Intervention in Patients With a History of Gastrointestinal Bleeding (From the Blue Cross Blue Shield of Michigan Cardiovascular Consortium). *Am J Cardiol.* 2021 Sep 15;155:9-15. doi: 10.1016/j.amjcard.2021.06.013. Epub 2021 Jul 26. PMID: 34325106.

Gonzalez MH, Acharya D, Lee S, Leacche M, Boeve T, Manandhar-Shrestha N, Jovinge S, Loyaga-Rendon RY. Improved survival after heart transplantation in patients bridged with extracorporeal membrane oxygenation in the new allocation system. *J Heart Lung Transplant.* 2021 Feb;40(2):149-157. doi: 10.1016/j.healun.2020.11.004. Epub 2020 Nov 9. PMID: 33277169.

Jani M, Cook S, Huang SH, Boeve T, Leacche M, Manandhar-Shrestha NK, Jovinge SV, Loyaga-Rendon RY. Increased frequency of heart transplantation, shortened waitlist time and preserved post-transplant survival in adults with congenital heart disease, on the new heart transplant allocation system. *Clin Transplant.* 2021 Apr;35(4):e14205. doi: 10.1111/ctr.14205. Epub 2021 Feb 25. PMID: 33368608.

Loyaga-Rendon RY, Fermin D, Jani M, Gonzalez M, Grayburn R, Lee S, Dickinson MG, Manandhar-Shrestha NK, Boeve T, Jovinge S, Leacche M. Changes in heart transplant waitlist and posttransplant outcomes in patients with restrictive and hypertrophic cardiomyopathy with the new heart transplant allocation system. *Am J Transplant.* 2021 Mar;21(3):1255-1262. doi: 10.1111/ajt.16325. Epub 2020 Oct 16. PMID: 32978873.

Loyaga-Rendon RY, Kazui T, Acharya D. Antiplatelet and anticoagulation strategies for left ventricular assist devices. *Ann Transl Med.* 2021 Mar;9(6):521. doi: 10.21037/atm-20-4849. PMID: 33850918; PMCID: PMC8039667.

Shad R, Fong R, Quach N, Bowles C, Kasinpila P, Li M, Callon K, Castro M, Guha A, Suarez EE, Lee S, Jovinge S, Boeve T, Shudo Y, Langlotz CP, Teuteberg J, Hiesinger W. Long-term survival in patients with post-LVAD right ventricular failure: multi-state modelling with competing outcomes of heart transplant. *J Heart Lung Transplant.* 2021 Aug;40(8):778-785. doi:

10.1016/j.healun.2021.05.002. Epub 2021 May 19. PMID: 34167863.

Shad, R., Quach, N., Fong, R., Kasinpila, P., Bowles, C., Castro, M., Guha, A., Suarez, E. E., Jovinge, S., Lee, S., Boeve, T., Amsalem, M., Tang, X., Haddad, F., Shudo, Y., Woo, Y. J., Teuteberg, J., Cunningham, J. P., Langlotz, C. P., & Hiesinger, W. (2021). Predicting post-operative right ventricular failure using video-based deep learning. *Nature Communications*, 12(1), 5192.

Shoemaker, M. J., Kampfschulte, A., Rustmann, S., & Dickinson, M. G. (2021). Dynamic factor analysis of seasonal variation in daily physical activity in individuals with heart failure and implanted cardiac devices. *Heart and Lung*, 50(6), 754-762.

Weiland, M., Schuitema, J., Jovinge, S., & Lee, S. (2021). Increased platelet glycoprotein IIb/IIIa activation precedes continuous-flow left ventricular assist device pump thrombosis events. *Thromb Res*, 201, 143-146.

Makati, K. J., Sood, N., Lee, L. S., Yang, F., Shults, C. C., DeLurgio, D. B., Melichercik, J., Gill, J. S., Kaba, R. A., Ahsan, S., Weerasooriya, R., Joshi, P., Lellouche, N., Blaauw, Y., Zannis, K., Sebag, F. A., Gauri, A., Zembala, M. O., Tondo, C., & Steinberg, J. S. (2021). Combined epicardial and endocardial ablation for atrial fibrillation: Best practices and guide to hybrid convergent procedures. *Heart Rhythm*, 18(2), 303-312.

Rowin, E. J., Maron, M. S., Adler, A., Albano, A. J., Varnava, A. M., Spears, D., Marsy, D., Heitner, S. B., Cohen, E., Leong, K. M. W., Winters, S. L., Martinez, M. W., Koethe, B. C., Rakowski, H., & Maron, B. J. (2021). Importance of newer cardiac magnetic resonance-based risk markers for sudden death prevention in hypertrophic cardiomyopathy: An international multicenter study. *Heart Rhythm*.

Kumar, D., Warsha, F., Mehta, A., Deepak, V., & Jawad, W. (2021). 5-Fluorouracil Induced Takotsubo Cardiomyopathy Complicated by Left Ventricular Thrombosis. *Cureus*, 13(3), e14049.

Sattar, Y., Song, D., Sarvepalli, D., Zaidi, S. R., Ullah, W., Arshad, J., Mir, T., Zghouzi, M., Elgendi, I. Y., Qureshi, W., Chalfoun, N., & Alraies, M. (2021). Accuracy of pulsatile photoplethysmography applications or handheld devices vs. 12-lead ECG for atrial fibrillation screening: a systematic review and meta-analysis. *Journal of Interventional Cardiac Electrophysiology*.

Sheikh, M. A., Kong, X., Haymart, B., Kaatz, S., Krol, G., Kozlowski, J., Dahu, M., Ali, M., Almany, S., Alexandris-Souphis, T., Kline-Rogers, E., Froehlich, J. B., & Barnes, G. D. (2021). Comparison of temporary interruption with continuation of direct oral anticoagulants for low bleeding risk procedures. *Thromb Res*, 203, 27-32

Wazni, O. M., Dandamudi, G., Sood, N., Hoyt, R., Tyler, J., Durrani, S., Niebauer, M., Makati, K., Halperin, B., Gauri, A., Morales, G., Shao, M., Cerkvenik, J., Kaplon, R. E., & Nissen, S. E. (2021). Cryoballoon Ablation as Initial Therapy for Atrial Fibrillation. *New England Journal of Medicine*, 384(4), 316-324.

Madder, R. D., VanOosterhout, S., Parker, J., Sconcert, K., Li, Y., Kottenstette, N., Madsen, A., Sungur, J. M., & Bergman, P. (2021). Robotic telestenting performance in transcontinental and regional pre-clinical models. *Catheterization and Cardiovascular Interventions*, 97(3), E327-e332

McFadden, P., Reynolds, J. C., Madder, R. D., & Brown, M. (2021). Diagnostic test accuracy of the initial electrocardiogram after resuscitation from cardiac arrest to indicate invasive coronary angiographic findings and attempted revascularization: A systematic review and meta-analysis. *Resuscitation*, 160, 20-36.

-
- Refahiyat, L., & Madder, R. D. (2021). In Search of a Blood Marker for Vulnerable Plaque. *Cardiovascular Revascularization Medicine*, 32, 11-12.
- Reynolds, J. C., McFadden, P., Madder, R. D., & Brown, M. D. (2021). Reply to: False positive ECG for STEMI after ROSC, is it a matter of timing? *Resuscitation*, 162, 447-448.
- Salcido-Rios, J., McNamara, D. A., VanOosterhout, S., VanLoo, L., Redmond, M., Parker, J. L., & Madder, R. D. (2021). Suspended lead suit and physician radiation doses during coronary angiography. *Catheterization and Cardiovascular Interventions*.
- Sutton, N. R., Seth, M., Madder, R. D., Sukul, D., Dixon, S. R., Cannon, L. A., & Gurm, H. S. (2021). Comparative Safety of Bioabsorbable Polymer Everolimus-Eluting, Durable Polymer Everolimus-Eluting, and Durable Polymer Zotarolimus-Eluting Stents in Contemporary Clinical Practice. *Circulation. Cardiovascular Interventions*, 14(3), e009850.
- Terada, K., Kubo, T., Kameyama, T., Matsuo, Y., Ino, Y., Emori, H., Higashioka, D., Katayama, Y., Khalifa, A. K. M., Takahata, M., Shimamura, K., Shiono, Y., Tanaka, A., Hozumi, T., Madder, R. D., & Akasaka, T. (2021). NIRS-IVUS for Differentiating Coronary Plaque Rupture, Erosion, and Calcified Nodule in Acute Myocardial Infarction. *JACC. Cardiovascular Imaging*, 14(7), 1440-1450.
- Varshney, A. S., Coskun, A. U., Siasos, G., Maynard, C. C., Pu, Z., Croce, K. J., Cefalo, N. V., Cormier, M. A., Fotiadis, D., Stefanou, K., Papafakis, M. I., Michalis, L., VanOosterhout, S., Mulder, A., Madder, R. D., & Stone, P. H. (2021). Spatial relationships among hemodynamic, anatomic, and biochemical plaque characteristics in patients with coronary artery disease. *Atherosclerosis*, 320, 98-104.
- Bonkowski, T. J., Madison, C. M., Dandamudi, S., & McNamara, D. A. (2021). A Treacherous Twist on ECG. *American Journal of Medicine*.
- Chen, W., Saxon, D. T., Henry, M. P., Herald, J. R., Holleman, R., Zawol, D., Sivils, S., Kenaan, M. A., Kolias, T. J., Gurm, H. S., & Bhave, N. M. (2021). Effects of an Electronic Medical Record Intervention on Appropriateness of Transthoracic Echocardiograms: A Prospective Study. *Journal of the American Society of Echocardiography*, 34(2), 176-184.
- Jones, E., Randall, E. B., Hummel, S. L., Cameron, D. M., Beard, D. A., & Carlson, B. E. (2021). Phenotyping heart failure using model-based analysis and physiology-informed machine learning. *Journal of Physiology*, 599(22), 4991-5013.
- McNamara, D. A., Bennett, A. J., Ayers, C., Berry, J. D., de Lemos, J. A., & Link, M. S. (2021). Relations Between Cardiac Magnetic Resonance Imaging-Derived Left Ventricular Mass, Early Repolarization, and Cardiovascular Events (from the Dallas Heart Study). *American Journal of Cardiology*, 161, 108-114.
- Sukul, D., Seth, M., Thompson, M. P., Keteyian, S. J., Boyden, T. F., Syrjämäki, J. D., Yaser, J., Likosky, D. S., & Gurm, H. S. (2021). Hospital and Operator Variation in Cardiac Rehabilitation Referral and Participation After Percutaneous Coronary Intervention: Insights From Blue Cross Blue Shield of Michigan Cardiovascular Consortium. *Circulation. Cardiovascular Quality and Outcomes*, 14(11), e008242.
- Tan, J. M. T., Park, H. S., Cohle, S. D., Spurlock, D. J., McNamara, M. W., Franey, L. M., & Abdallah, W. M. (2021). Recurrent Cardiogenic Syncope From Extrinsic Organ Anomaly. *Chest*, 159(3), e167-e171.
- Yaghi, S., Henninger, N., Giles, J. A., Leon Guerrero, C., Mistry, E., Liberman, A. L., Asad, D., Liu, A., Nagy, M., Kaushal, A., Azher, I., Mac Grory, B., Fakhri, H., Brown Espaillat, K., Pasupuleti, H., Martin, H., Tan, J., Veerasamy, M., Esenwa, C., Cheng, N., Moncrieffe, K., Moeini-Naghani, I., Siddu, M., Scher, E., Trivedi, T., Furie, K. L., Keyrouz, S. G., Nouh, A., de Havenon, A., Khan, M., Smith, E. E.,

- & Gurol, M. E. (2021). Ischaemic stroke on anticoagulation therapy and early recurrence in acute cardioembolic stroke: the IAC study. *Journal of Neurology, Neurosurgery and Psychiatry*, 92(10), 1062-1067.
- Yaghi, S., Mistry, E., de Havenon, A., Leon Guerrero, C. R., Nouh, A., Liberman, A. L., Giles, J., Liu, A., Nagy, M., Kaushal, A., Azher, I., Mac Grory, B., Fakhri, H., Brown Espaillat, K., Asad, S. D., Pasupuleti, H., Martin, H., Tan, J., Veerasamy, M., Esenwa, C., Cheng, N., Moncrieffe, K., Moeini-Naghani, I., Siddu, M., Scher, E., Trivedi, T., Wu, T., Khan, M., Keyrouz, S., Furie, K., & Henninger, N. (2021). Effect of Alteplase Use on Outcomes in Patients With Atrial Fibrillation: Analysis of the Initiation of Anticoagulation After Cardioembolic Stroke Study. *Journal of the American Heart Association*, 10(15), e020945.
- ## 2020 Scholarly Activity
- Van Mieghem NM, Reardon MJ, Yakubov SJ, Heiser J, Merhi W, Windecker S, Makkar RR, Cheng W, Robbins M, Fail P, Feinberg E 2nd, Stoler RC, Hebeler R, Serruys PW, Popma JJ. Clinical outcomes of TAVI or SAVR in men and women with aortic stenosis at intermediate operative risk: a post hoc analysis of the randomised SURTAVI trial. *EuroIntervention*. 2020 Nov 20;16(10):833-841. doi: 10.4244/EIJ-D-20-00303. PMID: 32715995.
- Parikh M, Busman M, Dickinson M, Wohns D, Madder RD. Ventricular Septal Rupture in 2 Patients Presenting Late after Myocardial Infarction during the COVID-19 Pandemic. *JACC Case Rep*. 2020 Oct;2(12):2013-2015. doi: 10.1016/j.jaccas.2020.07.023. Epub 2020 Sep 23. PMID: 32989437; PMCID: PMC7511178.
- Loyaga-Rendon RY, Acharya D, Kirklin JK. LVAD Implantation or Heart Transplantation for ECMO-Supported Patients. *J Am Coll Cardiol*. 2020 Nov 24;76(21):2575-2576. doi: 10.1016/j.jacc.2020.07.072. PMID: 33213738.
- Patti KG, Bennett AJ, McNamara DA. Chest Pain in a Middle-aged Woman With Asthma. *JAMA Cardiol*. 2020 Oct 1;5(10):1192-1193. doi: 10.1001/jamacardio.2020.2808. PMID: 32785610.
- Kowalski M, Parikh V, Salcido JR, Chalfoun N, Albano A, O'Neill PG, Bowers MR, Gauri A, Braegelmann KM, Lim HW, Akhrass P, Shah R, Bekheit S, Epstein LM, Aryana A. Same-day discharge after cryoballoon ablation of atrial fibrillation: A multicenter experience. *J Cardiovasc Electrophysiol*. 2021 Feb;32(2):183-190. doi: 10.1111/jce.14843. Epub 2020 Dec 29. PMID: 33345408
- Dodson, J. A., Hajduk, A. M., Geda, M., Krumholz, H. M., Murphy, T. E., Tsang, S., Tinetti, M. E., Nanna, M. G., McNamara, R., Gill, T. M., & Chaudhry, S. I. (2020). Predicting 6-Month Mortality for Older Adults Hospitalized With Acute Myocardial Infarction: A Cohort Study. *Annals of internal medicine*, 172(1), 12–21.
- Jeong, S., Kong, S. G., Kim, D. J., Lee, S., & Lee, H. S. (2020). Incidence, prevalence, mortality, and causes of death in Waldenström macroglobulinemia: a nationwide, population-based cohort study. *BMC cancer*, 20(1), 623.
- Kadavath, S., Mohan, J., Ashraf, S., Kassier, A., Hawwass, D., Madan, N., Salehi, N., Bernardo, M., Mawri, S., Rehman, K. A., Ya'qoub, L., Strobel, A., Dixon, S. R., Siraj, A., Messenger, J., Spears, J. R., Lopez-Candales, A., Madder, R., Bailey, S. R., Alaswad, K., ... Alraies, M. C. (2020). Cardiac Catheterization Laboratory Volume Changes During COVID-19—Findings from a Cardiovascular Fellows Consortium. *The American journal of cardiology*, 130, 168–169.
- Loyaga-Rendon, R. Y., Boeve, T., Tallaj, J., Lee, S., Leacche, M., Lotun, K., Koehl, D. A., Cantor, R. S., Kirklin, J. K., & Acharya, D. (2020). Extracorporeal Membrane Oxygenation as a Bridge to Durable Mechanical Circulatory Support: An Analysis of the STS-INTERMACS Database. *Circulation. Heart failure*, 13(3), e006387.



-
- Madder, R. D., VanOosterhout, S., Mulder, A., Bush, J., Martin, S., Rash, A. J., Tan, J. M., 2nd, Parker, J. L., Kalafut, A., Li, Y., Kottenstette, N., Bergman, P., & Nowak, B. (2020). Network latency and long-distance robotic telestenting: Exploring the potential impact of network delays on telestenting performance. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 95(5), 914–919.
- Madder, R. D., VanOosterhout, S., Parker, J., Sconcert, K., Li, Y., Kottenstette, N., Madsen, A., Sungur, J. M., & Bergman, P. (2020). Robotic telestenting performance in transcontinental and regional pre-clinical models. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.29115. Advance online publication.
- Madder, R. D., Dixon, S. R., Seth, M., Lee, D., Earl, T., Hill, T., Shah, I., & Gurm, H. S. (2020). Institutional Variability in Patient Radiation Doses ≥ 5 Gy During Percutaneous Coronary Intervention. *JACC. Cardiovascular interventions*, 13(7), 846–856.
- Muller, J., & Madder, R. (2020). OCT-NIRS Imaging for Detection of Coronary Plaque Structure and Vulnerability. *Frontiers in cardiovascular medicine*, 7, 90.
- Wai Sang, S. L., DeBruine, N., Beute, T., Heiser, J., Berkompas, D., & Merhi, W. (2020). Midterm Outcomes for Valve-in-valve TAVR in the Failed Freestyle Bioprosthetic. *The Annals of thoracic surgery*, S0003-4975(20)30729-3. Advance online publication.
- Yaghi, S., Trivedi, T., Henninger, N., Giles, J., Liu, A., Nagy, M., Kaushal, A., Azher, I., Mac Grory, B., Fakhri, H., Brown Espaillat, K., Asad, S. D., Pasupuleti, H., Martin, H., Tan, J., Veerasamy, M., Liberman, A. L., Esenwa, C., Cheng, N., Moncrieffe, K., ... Furie, K. (2020). Anticoagulation Timing in Cardioembolic Stroke and Recurrent Event Risk. *Annals of neurology*, 10.1002/ana.25844. Advance online publication.
- Yaghi, S., Henninger, N., Scher, E., Giles, J., Liu, A., Nagy, M., Kaushal, A., Azher, I., Mac Grory, B., Fakhri, H., Espaillat, K. B., Asad, S. D., Pasupuleti, H., Martin, H., Tan, J., Veerasamy, M., Liberman, A. L., Esenwa, C., Cheng, N., Moncrieffe, K., ... Furie, K. (2020). Early ischaemic and haemorrhagic complications after atrial fibrillation-related ischaemic stroke: analysis of the IAC study. *Journal of neurology, neurosurgery, and psychiatry*, 91(7), 750–755.
- Yaghi, S., Liberman, A. L., Henninger, N., Grory, B. M., Nouh, A., Scher, E., Giles, J., Liu, A., Nagy, M., Kaushal, A., Azher, I., Fakhri, H., Espaillat, K. B., Asad, S. D., Pasupuleti, H., Martin, H., Tan, J., Veerasamy, M., Esenwa, C., Cheng, N., ... Khan, M. (2020). Factors associated with therapeutic anticoagulation status in patients with ischemic stroke and atrial fibrillation. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 29(7), 104888.
- Yim, E., Lee, K., Park, I., & Lee, S. (2020). The Prevalence of Metabolic Syndrome and Health-Related Behavior Changes: The Korea National Health Examination Survey. *Healthcare (Basel, Switzerland)*, 8(2), 134.

2019 Scholarly Activity

- Acharya, D., Aryal, S., Loyaga-Rendon, R., Pamboukian, S. V., Tallaj, J., Kirklin, J. K., Holman, W. L., & Singh, S. (2019). Use of Computed Tomography in Preoperative Planning for Heartware Left Ventricular Assist Device Placement. *ASAIO journal (American Society for Artificial Internal Organs : Cardiovascular Scholarly Activity*

-
- 1992), 65(1), 70–76.
- Gurm, H. S., Seth, M., Dixon, S. R., Michael Grossman, P., Sukul, D., Lalonde, T., Cannon, L., West, D., Madder, R. D., & Adam Lauver, D. (2019). Contemporary use of and outcomes associated with ultra-low contrast volume in patients undergoing percutaneous coronary interventions. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 93(2), 222–230.
- Jazwiec, T., Malinowski, M., Bush, J., Goehler, M., Quay, N., Parker, J., Langholz, D. E., & Timek, T. A. (2019). Right ventricular free wall stress after tricuspid valve annuloplasty in acute ovine right heart failure. *The Journal of thoracic and cardiovascular surgery*, 158(3), 759–768.
- Kapur, N. K., Alkhouri, M. A., DeMartini, T. J., Faraz, H., George, Z. H., Goodwin, M. J., Hernandez-Montfort, J. A., Iyer, V. S., Josephy, N., Kalra, S., Kaki, A., Karas, R. H., Kimmelstiel, C. D., Koenig, G. C., Lau, E., Lotun, K., Madder, R. D., Mannino, S. F., Meraj, P. M., Moreland, J. A., ... O'Neill, W. W. (2019). Unloading the Left Ventricle Before Reperfusion in Patients With Anterior ST-Segment-Elevation Myocardial Infarction. *Circulation*, 139(3), 337–346.
- Knox, M. F., Langholz, D. E., Berjaoui, W. K., & Eberhart, L. (2019). Preservation of Cardiopulmonary Function in Patients Treated with Ultrasound-Accelerated Thrombolysis in the Setting of Submassive Pulmonary Embolism. *Journal of vascular and interventional radiology : JVIR*, 30(5), 734–741.
- Madder, R. D., VanOosterhout, S., Mulder, A., Ten Brock, T., Clarey, A. T., Parker, J. L., & Jacoby, M. E. (2019). Patient Body Mass Index and Physician Radiation Dose During Coronary Angiography. *Circulation. Cardiovascular interventions*, 12(1), e006823.
- Madder, R. D., & Dickinson, M. (2019). Intravascular Ultrasound for the Detection of Coronary Allograft Vasculopathy >6 Months Post Cardiac Transplantation: Better Late than Never?. *Cardiovascular revascularization medicine : including molecular interventions*, 20(12), 1110–1111.
- Madder, R. D., VanOosterhout, S., Mulder, A., Bush, J., Martin, S., Rash, A., Tan, J. M., 2nd, Parker, J., Li, Y., Kottenstette, N., Bergman, P., & Nowak, B. (2019). Feasibility of robotic telestenting over long geographic distances: a pre-clinical ex vivo and in vivo study. *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, 15(6), e510–e512.
- Popma, J. J., Deeb, G. M., Yakubov, S. J., Mumtaz, M., Gada, H., O'Hair, D., Bajwa, T., Heiser, J. C., Merhi, W., Kleiman, N. S., Askew, J., Sorajja, P., Rovin, J., Chetcuti, S. J., Adams, D. H., Teirstein, P. S., Zorn, G. L., 3rd, Forrest, J. K., Tchétché, D., Resar, J., ... Evolut Low Risk Trial Investigators (2019). Transcatheter Aortic-Valve Replacement with a Self-Expanding Valve in Low-Risk Patients. *The New England journal of medicine*, 380(18), 1706–1715.
- Sukul, D., Seth, M., Barnes, G. D., Dupree, J. M., Syrjämäki, J. D., Dixon, S. R., Madder, R. D., Lee, D., & Gurm, H. S. (2019). Cardiac Rehabilitation Use After Percutaneous Coronary Intervention. *Journal of the American College of Cardiology*, 73(24), 3148–3152.
- Wanamaker, B. L., Seth, M. M., Sukul, D., Dixon, S. R., Bhatt, D. L., Madder, R. D., Rumsfeld, J. S., & Gurm, H. S. (2019). Relationship Between Troponin on Presentation and In-Hospital Mortality in Patients With ST-Segment-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. *Journal of the American Heart Association*, 8(19), e013551.
- Wilcox, J. E., Cameron, K. A., Harap, R. S., Shanklin, K. L., Grady, K. L., Cohen, E. R., Abicht, T. O., Adler, E. D., Alexy, T., Alonso, W., Beckman, J., Bjelkengren, J., Cagliostro, B., Cogswell, R., Colombo, P. C., Cotts, W., Haglund, N. A., Haverstick, S., Kiernan, M. S., Lampert, B., ... Barsuk, J. H. (2019). Ventricular Assist Device Driveline Dressing-Change Protocols: A Need for Standardization. A Report from the SimVAD Investigators. *Journal of cardiac failure*, 25(8), 695–697.

Wilkinson, S. E., Tan, J., & Boyden, T. F. (2019). New-Onset Heart Failure in a Middle-aged Man. *JAMA cardiology*, 10.1001/jamacardio.2019.4520. Advance online publication.

2018 Scholarly Activity

Acharya, D., Aryal, S., Loyaga-Rendon, R., Pamboukian, S. V., Tallaj, J., Kirklin, J. K., Holman, W. L., & Singh, S. (2018). The use of computed tomography in preoperative planning for Heartware left ventricular assist device placement. *ASAIO Journal*.

Barakat, A. F., Wazni, O. M., Tarakji, K. G., Callahan, T., Nimri, N., Saliba, W. I., Shah, S., Abdur Rehman, K., Rickard, J., Brunner, M. P., Martin, D. O., Kanj, M., Baranowski, B., Cantillon, D., Niebauer, M., Dresing, T., Lindsay, B. D., Wilkoff, B. L., & Hussein, A. A. (2018). Transvenous lead extraction in chronic kidney disease and dialysis patients with infected cardiac devices. *Circulation. Arrhythmia and Electrophysiology*, 11(1), e005706.

Barnes, G. D., Li, Y., Gu, X., Haymart, B., Kline-Rogers, E., Almany, S., Kozlowski, J., Krol, G., McNamara, M., Froehlich, J. B., & Kaatz, S. (2018). Periprocedural bridging anticoagulation: Measuring the impact of a clinical trial on care delivery. *American Journal of Medicine*.

Bergstrom, U., Jovinge, S., Persson, J., Jacobsson, L. T. H., & Turesson, C. (2018). Effects of treatment with adalimumab on blood lipid levels and atherosclerosis in patients with rheumatoid arthritis. *Current Therapeutic Research, Clinical and Experimental*, 89, 1-6.

Colpitts, M. E., Phillion, R. C., Malinowski, M., Coleman, R. A., Mitchell, L. A., Malone, A. B., Eberhart, L. L., Sanders, R. A., & Langholz, D. E. (2018). Feasibility of transthoracic echocardiographic imaging in non-sedated ovine subjects using a commercial restraint device. *Laboratory Animals*, 52(2), 196-199.

Deeb, G. M., Chetcuti, S. J., Yakubov, S. J., Patel, H. J., Grossman, P. M., Kleiman, N. S., Heiser, J., Merhi, W., Zorn, G. L., III, Tadros, P. N., Petrossian, G., Robinson, N., Mumtaz, M., Gleason, T. G., Huang, J., Conte, J. V., Popma, J. J., & Reardon, M. J. (2018). Impact of annular size on outcomes after surgical or transcatheter aortic valve replacement. *Annals of Thoracic Surgery*, 105(4), 1129-1136.

Ederoth, P., Dardashti, A., Grins, E., Bronden, B., Metzsch, C., Erdling, A., Nozohoor, S., Mokhtari, A., Hansson, M. J., Elmer, E., Algotsson, L., Jovinge, S., & Bjursten, H. (2018). Cyclosporine before coronary artery bypass grafting does not prevent postoperative decreases in renal function: A randomized clinical trial. *Anesthesiology*, 128(4), 710-717.

Golbus, J. R., Wells, J. M., Dickinson, M. G., & Hummel, S. L. (2018). Importance of genetic testing in the diagnosis of transthyretin cardiac amyloidosis. *American Journal of Medicine*, 131(7), e303-e304. Gosev, I., Kiernan, M. S., Eckman, P., Soleimani, B., Kilic, A., Uriel, N., Rich, J. D., Katz, J. N., Cowger, J., Lima, B., McGurk, S., Brisco-Bacik, M. A., Lee, S., Joseph, S. M., & Patel, C. B. (2018). Long-term survival in patients receiving a continuous-flow left ventricular assist device. *Annals of Thoracic Surgery*, 105(3), 696-701.

Gurm, H. S., Seth, M., Dixon, S. R., Michael Grossman, P., Sukul, D., Lalonde, T., Cannon, L., West, D., Madder, R. D., & Adam Lauver, D. (2018). Contemporary use of and outcomes associated with ultra-low contrast volume in patients undergoing percutaneous coronary interventions. *Catheterization and Cardiovascular Interventions*.

Halkar, M., Nowacki, A. S., Kendall, K., Efeovbokhan, N., Gorodeski, E. Z., Moazami, N., Starling, R. C.,

-
- Young, J. B., Lee, S., & Tang, W. H. W. (2018). Utility of the psychosocial assessment of candidates for transplantation in patients undergoing continuous-flow left ventricular assist device implantation. *Progress in Transplantation*, 28(3), 220-225.
- Jazwiec, T., Malinowski, M., Proudfoot, A. G., Eberhart, L., Langholz, D., Schubert, H., Wodarek, J., & Timek, T. A. (2018). Tricuspid valvular dynamics and 3-dimensional geometry in awake and anesthetized sheep. *Journal of Thoracic and Cardiovascular Surgery*, 156(4), 1503-1511.
- Kort, E., Rajasekaran, S., Haw, M., & Jovinge, S. (2018). Circulating microRNA signatures as potential markers of tissue specific stress in children undergoing cardiopulmonary bypass. [Abstract]. *Journal of the American College of Cardiology*, 71(11 Suppl.), A589.
- Kort, E., Sayed, N., Wu, J., & Jovinge, S. (2018). Reversing LMNA mutation phenotype in cardiomyocytes with olmesartan: Connecting monogenic disease to drugs via transcriptional signatures. [Abstract]. *Journal of the American College of Cardiology*, 71(11 Suppl.), A897.
- Lee, S., Xie, R., Lemstrom, K., Dickinson, M. G., Boeve, T., Leacche, M., Cowger, J., de By, T., & Kirklin, J. K. (2018). Worldwide experience of adult patients with small body size supported by a continuous-flow left ventricular assist device - An IMACS analysis. [Abstract]. *Journal of Heart and Lung Transplantation*, 37(4 Suppl.), S145.
- Lima, B., Bansal, A., Abraham, J., Rich, J. D., Lee, S. S., Soleimani, B., Katz, J. N., Kilic, A., Young, J. S., Patel, C. B., & Joseph, S. M. (2018). Controversies and challenges of ventricular assist device therapy. *American Journal of Cardiology*, 121(10), 1219-1224.
- Little, S. H., Popma, J. J., Kleiman, N. S., Deeb, G. M., Gleason, T. G., Yakubov, S. J., Checuti, S., O'Hair, D., Bajwa, T., Mumtaz, M., Maini, B., Hartman, A., Katz, S., Robinson, N., Petrossian, G., Heiser, J., Merhi, W., Moore, B. J., Li, S., Adams, D. H., & Reardon, M. J. (2018). Transcatheter aortic valve replacement in patients with severe mitral or tricuspid regurgitation at extreme risk for surgery. *Journal of Thoracic and Cardiovascular Surgery*, 155(5), 1991-1999.
- Madder, R. D., LaCombe, A., VanOosterhout, S., Mulder, A., Elmore, M., Parker, J. L., Jacoby, M. E., & Wohns, D. (2018). Radiation exposure among scrub technologists and nurse circulators during cardiac catheterization: The impact of accessory lead shields. *JACC. Cardiovascular Interventions*, 11(2), 206-212.
- Madder, R. D., & Reynolds, J. C. (2018). Multidisciplinary management of the post-cardiac arrest patient. *Cardiology Clinics*, 36(1), 85-101.
- Madder, R. D., VanOosterhout, S., Klungle, D., Mulder, A., Elmore, M., Decker, J. M., Langholz, D., Boyden, T. F., Parker, J., & Muller, J. E. (2018). Response by Madder et al to letter regarding article, "Multimodality intracoronary imaging with near-infrared spectroscopy and intravascular ultrasound in asymptomatic individuals with high calcium scores". *Circulation. Cardiovascular Imaging*, 11(1), e007405.
- Malinowski, M., Proudfoot, A. G., Eberhart, L., Schubert, H., Wodarek, J., Langholz, D., Rausch, M. K., & Timek, T. A. (2018). Large animal model of acute right ventricular failure with functional tricuspid regurgitation. *International Journal of Cardiology*, 264, 124-129.
- Malinowski, M., Schubert, H., Wodarek, J., Ferguson, H., Eberhart, L., Langholz, D., Jazwiec, T., Rausch, M. K., & Timek, T. A. (2018). Tricuspid annular geometry and strain after suture annuloplasty in acute ovine right heart Failure. *Annals of Thoracic Surgery*.
- Malone, A. B., Kassier, A., Shrestha, N. K., Phillion, R. C., Mitchell, L. A., Coleman, R. A., Eberhart, L. L., Jovinge, S. M., & Langholz, D. E. (2018). Inter- and intra-observer variability in layer-specific strain

-
- analysis: A feasibility study. [Abstract]. *Journal of the American Society of Echocardiography*, 31(6), B137.
- McNamara, M. W., Decker, J., Vanoosterhout, S., Mulder, A., Ten Brock, T., Berkompas, D., Dahu, M., Parker, J., & Madder, R. (2018). Radiation doses to physicians performing transesophageal echocardiography during percutaneous left atrial appendage closure. [Abstract]. *Journal of the American College of Cardiology*, 71(11 Suppl.), 1089.
- Michaud, C., Rosene, A., Shresta, N. M., Boeve, T., Leacche, M., Jovinge, S., & Lee, S. (2018). Can a more rapid "time to therapeutic INR" reduce adverse events after CF-LVAD implantation? A single center study. [Abstract]. *Journal of Heart and Lung Transplantation*, 37(4), S162-S163.
- Mitchell, L. A., Herrema, J. L., Phillion, R. C., Coleman, R. A., Malone, A. B., Eberhart, L. L., & Langholz, D. E. (2018). Using less Definity® results in more optimal echocardiograms. [Abstract]. *Journal of the American Society of Echocardiography*, 31(6), B114-115.
- Muthalaly, R. G., Koplan, B. A., Albano, A., North, C., Campbell, J. I., Kakuhikire, B., Vořechovská, D., Kraemer, J. D., Tsai, A. C., & Siedner, M. J. (2018). Low population prevalence of atrial fibrillation in rural Uganda: A community-based cross-sectional study. *International Journal of Cardiology*, 271, 87-91.
- Phillion, R., Malinowski, M. J., Jazwiec, T., Mitchell, L. A., Coleman, R. A., Malone, A. B., Eberhart, L. L., & Langholz, D. E. (2018). Right ventricular strain assessment after tricuspid valve annuloplasty. [Abstract]. *Journal of the American Society of Echocardiography*, 31(6), B134.
- Raza, M., Chalfoun, N., Abdallah, W., Hashmi, H., & McNamara, R. (2018). Hypertrophic cardiomyopathy with a large apical ventricular aneurysm and mural thrombus. *Global Cardiology Science & Practice*, 2018(1), 9.
- Refahiyat, L., Clarey, A., Bundy, J., Mandieka, E., Benavides, D., Crane, T., Maragiri, S., Osip, E., Pardington, E., Mulder, A., Ten Brock, T., Parker, J., VanOosterhout, S., & Madder, R. (2018). Impact of patient body mass index on nurse radiation dose during coronary angiography. [Abstract]. *Journal of the American College of Cardiology*, 71(11 Suppl.), 1032.
- Refahiyat, L., Clarey, A., Bundy, J., Mandieka, E., Benavides, D., Crane, T., Maragiri, S., Osip, E., Pardington, E., Samani, S., Mulder, A., Ten Brock, T., Parker, J., Vanoosterhout, S., & Madder, R. (2018). The impact of patient BMI on radiation dose among scrub technologists during cardiac catheterization. [Abstract]. *JACC. Cardiovascular Interventions*, 11(4 Suppl.), S39.
- Refahiyat, L., VanOosterhout, S., Mulder, A., Ten Brock, T., Parker, J. L., Negash, A., Jacoby, M. E., & Madder, R. D. (2018). Impact of patient obesity on radiation doses received by scrub technologists during coronary angiography. *Cardiovascular Revascularization Medicine*.
- Rind, J., Chalfoun, N., & McNamara, R. (2018). Cardiac amyloidosis: The great masquerader. *Global Cardiology Science & Practice*, 2018(2), 18.
- Sang, S., Beute, T., Heiser, J., Berkompas, D., Fanning, J., & Merhi, W. (2018). Early Outcomes for Valve-in-valve Transcatheter Aortic Valve Replacement in Degenerative Freestyle Bioprostheses. *Seminars in thoracic and cardiovascular surgery*, 30(3), 262–268.
- Song, C., Sukul, D., Seth, M., Wohns, D., Dixon, S. R., Slocum, N. K., & Gurm, H. S. (2018). Outcomes after percutaneous coronary intervention in patients with a history of cerebrovascular disease: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium. *Circulation. Cardiovascular Interventions*, 11(6), e006400.
- Stewart, W. R., Garcia-Moon, S. E., Fussman, E. M., Barkema, K. S., Golembieski, B. M., & Madder, R. D.

-
- (2018). The SHIELD study leads to new radiation safety initiatives in the cath lab at Spectrum Health. *Cath Lab Digest*, 26(5). Retrieved from <https://www.cathlabdigest.com/article/SHIELD-Study-Leads-New-Radiation-Safety-Initiatives-Cath-Lab-Spectrum-Health>
- Strueber, M., Cheung, A., Mokadam, N. A., Weiselthaler, G., Lee, S., Boeve, T., Maltais, S., Pretorius, V., Danter, M., Vassiliades, T. A., & McGee, E. (2018). Impact of the thoracotomy implant approach on average length of stay and rehospitalizations in the HVAD LATERAL trial. *Journal of Heart and Lung Transplantation*, 37(4), S83-S84.
- Tarakji, K. G., Saliba, W., Markabawi, D., Rodriguez, E. R., Krauthammer, Y., Brunner, M. P., Hussein, A. A., Baranowski, B., Cantillon, D. J., Kanj, M., Niebauer, M., Rickard, J., Callahan, T., Shao, M., Martin, D. O., Wazni, O. M., Wilkoff, B. L., & Tan, C. D. (2018). Unrecognized venous injuries after cardiac implantable electronic device transvenous lead extraction. *Heart Rhythm*, 15(3), 318-325.
- Veerasamy, M., Jacoby, M. E., & Madder, R. D. (2018). Spontaneous dissection of the left main coronary artery: Case report and brief review. *Cardiovascular Revascularization Medicine*, 19(3 Pt B), 380-383.
- ## 2017 Scholarly Activity
- Acharya, D., Loyaga-Rendon, R., Morgan, C. J., Sands, K. A., Pamboukian, S. V., Rajapreyar, I., Holman, W. L., Kirklin, J. K., & Tallaj, J. A. (2017). INTERMACS analysis of stroke during support with continuous-flow left ventricular assist devices: Risk factors and outcomes. *JACC. Heart Failure*, 5(10), 703-711.
- Barakat, A. F., Wazni, O. M., Tarakji, K., Saliba, W. I., Nimri, N., Rickard, J., Brunner, M., Bhargava, M., Kanj, M., Baranowski, B., Martin, D. O., Cantillon, D., Callahan, T., Dresing, T., Niebauer, M., Chung, M., Lindsay, B. D., Wilkoff, B., & Hussein, A. A. (2017). Transvenous lead extraction at the time of cardiac implantable electronic device upgrade: Complexity, safety, and outcomes. *Heart Rhythm*, 14(12), 1807-1811.
- Bundy, J., Clarey, A., Mandieka, E., LaCombe, A., Benavides, D., Crane, T., Veerasamy, M., Vanoosterhout, S., Mulder, A., Elmore, M., & Madder, R. (2017). Variation in intracoronary lipid-rich plaque detected by near-infrared spectroscopy in asymptomatic individuals with high coronary artery calcium scores. [Abstract]. *Journal of the American College of Cardiology*, 69(11 Suppl.), 1178.
- Chilton, D. R., Hansen, B. L., Rowland, P. L., & Langholz, D. E. (2017). Customized quality improvement for echocardiography. [Abstract]. *Cardiology*, 137(Suppl. 1), 64.
- Clarey, A., Bundy, J., Mandieka, E., LaCombe, A., Crane, T., Benavides, D., Elmore, M., Mulder, A., Parker, J., Campbell, J., Vanoosterhout, S., & Madder, R. (2017). Radiation exposure among non-physician staff members during cardiac catheterization and the impact of proactive shielding. [Abstract]. *Journal of the American College of Cardiology*, 69(11 Suppl.), 2497.
- Coleman, R. A., Mitchell, L. A., Eberhart, L. L., & Langholz, D. E. (2017). Symposium: Advances in heart failure treatment from mechanical cardiac support to heart transplant: A guide for sonographers. *Journal of Diagnostic Medical Sonography*, 33(4), 333-345.
- Colpitts, M., Malinowski, M., Phillion, R., Coleman, R., Mitchell, L., Malone, A., Eberhart, L., Sanders, R., & Langholz, D. (2017). Echocardiographic imaging options in ovine research subjects. *Journal of Veterinary Cardiology*, 19(6), 502-513.
- Colpitts, M. E., Mitchell, L. A., Malone, A. B., Phillion, R. C., Coleman, R. A., Eberhart, L. L., & Langholz, D. E. (2017, April). *Echocardiographic evaluation of pulmonary vein a wave velocities relative to*

-
- diastolic dysfunction pre and post MitraClip implant.* Paper presented at the AATS Mitral Conclave, New York, NY. Abstract retrieved from [http://aats.org/aatsimis/AATS/Meetings/Active Meetings/Mitral Conclave 2017/Preliminary Program 2_0/ePoster Abstracts /Poster 60.aspx](http://aats.org/aatsimis/AATS/Meetings/Active_Meetings/Mitral_Conclave_2017/Preliminary_Program_2_0/ePoster_Abstracts /Poster_60.aspx)
- Dickinson, M. G., Lee, S., Fermin, D., Veine, K., Boeve, T., Wilton, P., & Khaghani, A. (2017). Division of the Patient Selection Committee (PSC) process into two segments has improved the rigor, efficiency and satisfaction in the selection process. [Abstract]. *The Journal of Heart and Lung Transplantation*, 36(4 Suppl.), S332-S333.
- Graziano, F. D., Banga, S., Busman, D. K., Muthusamy, P., & Wohns, D. H. (2017). Barriers to early discharge after elective percutaneous coronary intervention (BED PCI): A single-center study. *Indian Heart Journal*, 69(2), 217-222.
- Hussein, A. A., Tarakji, K. G., Martin, D. O., Gadre, A., Fraser, T., Kim, A., Brunner, M. P., Barakat, A. F., Saliba, W. I., Kanj, M., Baranowski, B., Cantillon, D., Niebauer, M., Callahan, T., Dresing, T., Lindsay, B. D., Gordon, S., Wilkoff, B. L., & Wazni, O. M. (2017). Cardiac implantable electronic device infections. *JACC. Clinical Electrophysiology*, 3(1), 1-9.
- Jin, H., Welzig, C. M., Aronovitz, M., Noubary, F., Blanton, R., Wang, B., Rajab, M., Albano, A., Link, M. S., Noujaim, S. F., Park, H.-J., & Galper, J. B. (2017). QRS/T-wave and calcium alternans in a type I diabetic mouse model for spontaneous postmyocardial infarction ventricular tachycardia: A mechanism for the antiarrhythmic effect of statins. *Heart Rhythm*, 14(9), 1406-1416.
- Kataruka, A., Kong, X., Haymart, B., Kline-Rogers, E., Almany, S., Kozlowski, J., Krol, G. D., Kaatz, S., McNamara, M. W., Froehlich, J. B., & Barnes, G. D. (2017). SAMe-TT2R2 predicts quality of anticoagulation in patients with acute venous thromboembolism: The MAQI2 experience. *Vascular Medicine*, 22(3), 197-203.
- Kilic, A., Katz, J. N., Joseph, S., Brisco-Bacik, M. A., Uriel, N., Lima, B., Agarwal, R., Bharmi, R., & Lee, S. (2017). Changes in pulmonary artery pressure utilizing remote monitoring data after left ventricular assist device implantation. [Abstract]. *Journal of Cardiac Failure*, 23(8 Suppl.), S30.
- Leung Wai Sang, S., Beute, T., Heiser, J., Berkompas, D., Fanning, J., & Merhi, W. (2017). Early outcomes for valve-in-valve transcatheter aortic valve replacement in degenerative freestyle bioprostheses. *Seminars in Thoracic and Cardiovascular Surgery*.
- Loyaga-Rendon, R. Y., Jani, M., Fermin, D., McDermott, J. K., Vancamp, D., & Lee, S. (2017). Prevention and treatment of thrombotic and hemorrhagic complications in patients supported by continuous-flow left ventricular assist devices. *Current Heart Failure Reports*, 14(6), 465-477.
- Madder, R., Lombardi, W., Parikh, M., Kandzari, D., Grantham, J. A., & Rao, S. (2017). Impact of a novel advanced robotic wiring algorithm on time to wire a coronary artery bifurcation in a porcine model. [Abstract]. *Journal of the American College of Cardiology*, 70(18 Suppl.), B223.
- Madder, R. D., VanOosterhout, S. M., Jacoby, M. E., Collins, J. S., Borgman, A. S., Mulder, A. N., Elmore, M. A., Campbell, J. L., McNamara, R. F., & Wohns, D. H. (2017). Percutaneous coronary intervention using a combination of robotics and telecommunications by an operator in a separate physical location from the patient: an early exploration into the feasibility of telestenting (the REMOTE-PCI study). *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*,

12(13), 1569–1576.

- Madder, R. D., VanOosterhout, S., Klungle, D., Mulder, A., Elmore, M., Decker, J. M., Langholz, D., Boyden, T. F., Parker, J., & Muller, J. E. (2017). Multimodality intracoronary imaging with near-infrared spectroscopy and intravascular ultrasound in asymptomatic individuals with high calcium scores. *Circulation. Cardiovascular Imaging*, 10(10), e006282.
- Madder, R. D., VanOosterhout, S., Mulder, A., Elmore, M., Campbell, J., Borgman, A., Parker, J., & Wohns, D. (2017). Impact of robotics and a suspended lead suit on physician radiation exposure during percutaneous coronary intervention. *Cardiovascular Revascularization Medicine*, 18(3), 190-196.
- Madder, R. D., VanOosterhout, S. M., Jacoby, M. E., Collins, J. S., Borgman, A. S., Mulder, A. N., Elmore, M. A., Campbell, J. L., McNamara, R. F., & Wohns, D. H. (2017). Percutaneous coronary intervention using a combination of robotics and telecommunications by an operator in a separate physical location from the patient: an early exploration into the feasibility of telestenting (the REMOTE-PCI study). *EuroIntervention*, 12(13), 1569-1576.
- Malinowski, M., Proudfoot, A. G., Langholz, D., Eberhart, L., Brown, M., Schubert, H., Wodarek, J., & Timek, T. A. (2017). Large animal model of functional tricuspid regurgitation in pacing induced end-stage heart failure. *Interactive Cardiovascular and Thoracic Surgery*, 24(6), 905-910.
- Malone, A. B., Colpitts, M. E., Bopp, C. M., Phillion, R. C., Coleman, R. A., Mitchell, L. A., Eberhart, L. L., & Langholz, D. E. (2017). Reduction in probe to patient response time after implementation of twenty-four hour echocardiography coverage. [Abstract]. *Journal of the American Society of Echocardiography*, 30(6), B63.
- Michaud, C., Marco, G., Schaap, A., Dickinson, M., & Wilton, P. (2017). Incidence of early right heart failure after left ventricular assist device implantation in patients managed without inhaled nitric oxide. [Abstract]. *Journal of Heart and Lung Transplantation*, 36(4), S444-S445.
- Phillion, R. C., Colpitts, M. E., Rowland, P. L., Malone, A. B., Coleman, R. A., Mitchell, L. A., Eberhart, L. L., & Langholz, D. E. (2017). Ankle brachial index testing for early detection of peripheral arterial disease at routine cardiologist visit. [Abstract]. *Journal of the American Society of Echocardiography*, 30(6), B94.
- Pourjabbar, A., Ang, L., Behnamfar, O., Patel, M. P., Reeves, R. R., Campbell, P. T., Madder, R. D., & Mahmud, E. (2017). Robotics in percutaneous cardiovascular interventions. *Expert Review of Cardiovascular Therapy*, 15(11), 825-833.
- Pourjabbar, A., Ang, L., Campbell, P. T., Madder, R. D., Wohns, D. H., Stys, T. P., Caputo, R., Marshall, J., Parikh, M., Kasi, V., Weisz, G., & Mahmud, E. (2017). Safety, feasibility and success of radial-versus femoral-access robotic percutaneous coronary intervention: Results from the multicenter PRECISION Registry. [Abstract]. *JACC. Cardiovascular Interventions*, 10(3 Suppl.), S58-S59.
- Raza, M., Colpitts, M. E., Eberhart, L. L., & Langholz, D. E. (2017). Chemotherapy induced cardiotoxicity, its prevention, treatment and risk factors. [Abstract]. *Journal of the American College of Cardiology*, 69(11 Suppl.), 713.
- Reardon, M. J., Van Mieghem, N. M., Popma, J. J., Kleiman, N. S., Sondergaard, L., Mumtaz, M., Adams, D. H., Deeb, G. M., Maini, B., Gada, H., Chetcuti, S., Gleason, T., Heiser, J., Lange, R., Merhi, W., Oh, J. K., Olsen, P. S., Piazza, N., Williams, M., Windecker, S., Yakubov, S. J., Grube, E., Makkar, R., Lee, J. S., Conte, J., Vang, E., Nguyen, H., Chang, Y., Mugglin, A. S., Serruys, P. W., & Kappetein, A. P. (2017). Surgical or transcatheter aortic-valve replacement in intermediate-risk patients. *New England Journal of Medicine*, 376(14), 1321-1331.

-
- Rich, J. D., Gosev, I., Patel, C. B., Joseph, S., Katz, J. N., Eckman, P. M., Lee, S., Sundareswaran, K., Kilic, A., Bethea, B., Soleimani, B., Lima, B., Uriel, N., & Kiernan, M. (2017). The incidence, risk factors, and outcomes associated with late right-sided heart failure in patients supported with an axial-flow left ventricular assist device. *Journal of Heart and Lung Transplantation*, 36(1), 50-58.
- Smith, L., Malone, A. B., Colpitts, M. E., Eberhart, L. L., & Langholz, D. E. (2017). Low-risk chest pain pathway: Outcomes and implications in a large community cohort [Abstract]. *Journal of the American College of Cardiology (JACC)*, 69(11 Suppl.), 2548.
- Song, C., Sukul, D., Seth, M., Dupree, J. M., Khandelwal, A., Dixon, S. R., Wohns, D., LaLonde, T., & Gurm, H. S. (2017). Ninety-day readmission and long-term mortality in Medicare patients ($>/=65$ years) treated with ticagrelor versus prasugrel after percutaneous coronary intervention (from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium). *American Journal of Cardiology*, 120(11), 1926-1932.
- Starling, R. C., Estep, J. D., Horstmannshof, D. A., Milano, C. A., Stehlik, J., Shah, K. B., Bruckner, B. A., Lee, S., Long, J. W., Selzman, C. H., Kasirajan, V., Haas, D. C., Boyle, A. J., Chuang, J., Farrar, D. J., & Rogers, J. G. (2017). Risk assessment and comparative effectiveness of left ventricular assist device and medical management in ambulatory heart failure patients: The ROADMAP Study 2-year results. *JACC. Heart Failure*, 5(7), 518-527.