

Publications by Cardiology Fellows

Park J, Rader F. [Editorial echocardiography for "Incremental Value of Myocardial Global Longitudinal Strain in Predicting Major Adverse Cardiac Events Among Patients with Hypertrophic Cardiomyopathy" By Zhuang H. and colleagues.](#) *Echocardiography*. 2024 Jun;41(6):e15855. doi: 10.1111/echo.15855. PMID: 38818770.

Venkatesh P, Gao H, Abudayyeh I, Pai RG, Varadarajan P. [Contemporary Management of the Failing Fontan.](#) *J Clin Med*. 2024 May 22;13(11):3049. doi: 10.3390/jcm13113049. PMID: 38892760; PMCID: PMC11172880.

Noori AM, Joshi S, Teodorescu DL, Kwan AC, Luthringer DJ, Ehdaie A. [The Sights of Sound: MRI and Histopathological Analysis of a Steam-Pop During Bipolar Ablation.](#) *JACC Clin Electrophysiol*. 2024 Apr;10(4):790-795. doi: 10.1016/j.jacep.2023.12.017. Epub 2024 Feb 28. PMID: 38430091.

Shmueli H, Shah M, Patel Y, Nguyen LC, Hardy H, Rader F, Siegel RJ. [Effects of pericardiocentesis on renal function and cardiac hemodynamics.](#) *Echocardiography*. 2024 Feb;41(2):e15764. doi: 10.1111/echo.15764. PMID: 38345414.

Teodorescu DL, Kote A, Reaso JN, Rosenberg C, Liu X, Kwan AC, Cheng S, Chen PS. [Postural orthostatic tachycardia syndrome after COVID-19 vaccination.](#) *Heart Rhythm*. 2024 Jan;21(1):74-81. doi: 10.1016/j.hrthm.2023.09.012. Epub 2023 Nov 11. PMID: 38176772; PMCID: PMC10767226.

Jain R, Kittleson MM. [Evolutions in Combined Heart-Kidney Transplant.](#) *Curr Heart Fail Rep*. 2024 Apr;21(2):139-146. doi: 10.1007/s11897-024-00646-0. Epub 2024 Jan 17. PMID: 38231443; PMCID: PMC10923997.

Zhang N, Huang TY, Cheng S, Ebinger JE. [Racial and Ethnic Disparities in Co-Occurrence of Nocturnal Hypertension and Nocturnal Blood Pressure Decreases.](#) *JAMA Netw Open*. 2024 Jan 2;7(1):e2352227. doi: 10.1001/jamanetworkopen.2023.52227. PMID: 38236604; PMCID: PMC10797446.

Dhillon M, Kobashigawa JA, Kittleson M, Jain R, Patel N, Singer-Englar T, Zhang X, Hakimi M, Aintablian T, Vescio R, Diliberio D, Kransdorf E, Czer L, Nikolova AP, Patel JK. [Does bortezomib influence pre-transplant desensitization therapy or benefit post-heart transplant outcomes for highly sensitized patients?](#) *Clin Transplant*. 2024 Jan;38(1):e15165. doi: 10.1111/ctr.15165. Epub 2023 Oct 14. PMID: 37837612.

Srivastava PK, Klomhaus AM, Tehrani DM, Fonarow GC, Ziaieian B, Desai PS, Rafique A, de Lemos J, Parikh RV, Yang EH. [Impact of Age and Variant Time Period on Clinical Presentation and Outcomes of Hospitalized Coronavirus Disease 2019 Patients.](#) *Mayo Clin Proc Innov Qual Outcomes*. 2023 Sep 15;7(5):411-429. doi: 10.1016/j.mayocpiqo.2023.07.004. PMID: 37731677; PMCID: PMC10507578.

Takahashi T, Gupta A, Samuels BA, Wei J. [Invasive Coronary Assessment in Myocardial Ischemia with No Obstructive Coronary Arteries](#). *Curr Atheroscler Rep*. 2023 Oct;25(10):729-740. doi: 10.1007/s11883-023-01144-9. Epub 2023 Sep 8. PMID: 37682498; PMCID: PMC10564835.

Marano P, Wei J, Merz CNB. [Coronary Microvascular Dysfunction: What Clinicians and Investigators Should Know](#). *Curr Atheroscler Rep*. 2023 Jun 20. doi: 10.1007/s11883-023-01116-z. Epub ahead of print. PMID: 37338666.

Gao H, Kransdorf E, Ebinger J, Kittleson MM. [Hypertrophic Cardiomyopathy After Heart Transplantation: A Single-Center Case Series](#). *JACC Case Rep*. 2023 Apr 14;14:101825. doi: 10.1016/j.jaccas.2023.101825. PMID: 37077874; PMCID: PMC10107007.

Gao H, Patel S, Fohtung RB, Cawthon PM, Newman AB, Cauley JA, Carbone L, Chaves PHM, Stein PK, Civitelli R, Kizer JR. [Sex- and race-specific associations of bone mineral density with incident heart failure and its subtypes in older adults](#). *J Am Geriatr Soc*. 2023 Mar;71(3):742-755. doi: 10.1111/jgs.18121. Epub 2022 Nov 5. PMID: 36334030; PMCID: PMC10023291.

Jones XM, Fox R, Motawakel J, Trivedi RK. [Reversal of right ventricular pressure loading improves function independent of fibrosis](#). *J Physiol*. 2023 Feb;601(3):397-399. doi: 10.1113/JP283580. Epub 2022 Dec 31. PMID: 36524593.

Kwan AC, Ebinger JE, Wei J, Le CN, Oft JR, Zabner R, Teodorescu D, Botting PG, Navarrette J, Ouyang D, Driver M, Claggett B, Weber BN, Chen PS, Cheng S. [Apparent Risks of Postural Orthostatic Tachycardia Syndrome Diagnoses After COVID-19 Vaccination and SARS-Cov-2 Infection](#). *Nat Cardiovasc Res*. 2022 Dec;1(12):1187-1194. doi: 10.1038/s44161-022-00177-8. Epub 2022 Dec 12. PMID: 37303827; PMCID: PMC10254901.

Schwartz BH, Stein NR, Eshaghian S, Kwan AC, Kittleson MM. [Recurrent Myocarditis Treated with Intravenous Immune Globulin and Steroids](#). *Am J Case Rep*. 2022 Jul 8;23:e935974. doi: 10.12659/AJCR.935974. PMID: 35799414; PMCID: PMC9274793.

Aiken AV, Goldhaber JI, Chugh SS. [Delayed intrinsicoid deflection: Electrocardiographic harbinger of heart disease](#). *Ann Noninvasive Electrocardiol*. 2022 May;27(3):e12940. doi: 10.1111/anec.12940. Epub 2022 Feb 17. PMID: 35176188; PMCID: PMC9107081.

de la Rosa A, Shah M, Shiota T, Siegel R, Rader F. [Comparing echocardiographic characteristics in genotype positive-phenotype positive hypertrophic cardiomyopathy and hypertensive left ventricular hypertrophy](#). *Eur Heart J Cardiovasc Imaging*. 2022 Feb 22;23(3):340-348.

Yuan N, Rader F, Siegel RJ. [Safe to go with the flow? Large left atrial appendage thrombus despite robust appendage flow velocities](#). *Eur Heart J Cardiovasc Imaging*. 2021 May 10;22(6):e76.

Geisler BP, Zahabi L, Lang AE, Eastwood N, Tennant E, Lukic L, Sharon E, Chuang HH, Kang CB, Clayton-Johnson K, Aljaberi A, Yu H, Bui C, Le Mau T, Li WC, Teodorescu D, Hinske LC, Sun DL, Manian FA, Dunn AG. [Repurposing existing medications for coronavirus disease 2019: protocol for a rapid and living systematic review](#). *Syst Rev*. 2021 May 7;10(1):143. doi: 10.1186/s13643-021-01693-7. PMID: 33962652; PMCID: PMC8103882.

Lin H, Castro-Diehl C, Short MI, Xanthakis V, Yola IM, Kwan AC, Mitchell GF, Larson MG, Vasan RS, Cheng S. [Shared Genetic and Environmental Architecture of Cardiac Phenotypes Assessed via Echocardiography: The Framingham Heart Study](#). *Circ Genom Precis Med*. 2021 Apr;14(2):e003244.

Teodorescu DL, Okajima S, Moten A, Teodorescu MHM, El Hechi M, Gutierrez-Arango S, Meier K, Smalley RJ, King DR. [A Paradigm Shift in Critical Care Infrastructure in Complex Settings: Evaluating an Ultraportable Operating Room to Improve Field Surgical Safety](#). *Mil Med*. 2021 Jan 25;186(Suppl 1):295-299. doi: 10.1093/milmed/usaa311. PMID: 33499459.

Kwan AC, Pourmorteza A, Stutman D, Bluemke DA, Lima JAC. [Next-Generation Hardware Advances in CT: Cardiac Applications](#). *Radiology*. 2021 Jan;298(1):3-17.

Yuan N, Wu S, Rader F, Siegel RJ. [Determining Which Hospitalized Coronavirus Disease 2019 Patients Require Urgent Echocardiography](#). *J Am Soc Echocardiogr*. 2021 Aug;34(8):831-838. Epub 2021 Apr 1.

Kwan AC, Gransar H, Tzolos E, Chen B, Otaki Y, Klein E, Pope AJ, Han D, Howarth A, Jain N, Dey D, Miller RJ, Cheng V, Azarbal B, Berman DS. [The accuracy of coronary CT angiography in patients with coronary calcium score above 1000 Agatston Units: Comparison with quantitative coronary angiography](#). *J Cardiovasc Comput Tomogr*. 2021 Sep-Oct;15(5):412-418.

Kwan AC, Salto G, Cheng S. [Bending Primordial Trajectories Away From Heart Failure](#). *Journal of the American Society of Echocardiography*. 2021 Apr;34(4):401-404.

Yuan N, Latif K, Botting PG, Elad Y, Bradley SM, Nuckols TK, Cheng S, Ebinger JE. [Refining Safe Contrast Limits for Preventing Acute Kidney Injury After Percutaneous Coronary Intervention](#). *Journal of the American Heart Association*. 2021 Jan 5;10(1):e018890.

Yuan N, Ji H, Sun N, Botting P, Nguyen T, Torbati S, Cheng S, Ebinger J. [Pseudo-safety in a cohort of patients with COVID-19 discharged home from the emergency department](#). *Emerg Med J*. 2021 Apr;38(4):304-307.

Yuan N, Pevnick JM, Botting PG, Elad Y, Miller SJ, Cheng S, Ebinger JE. [Patient Use and Clinical Practice Patterns of Remote Cardiology Clinic Visits in the Era of COVID-19](#). *JAMA network open*. 2021 Apr 1;4(4):e214157.

Stern, L. K., & Kittleson, M. M. (2021). [Updates in Cardiac Amyloidosis Diagnosis and Treatment](#). *Current oncology reports*, 23(4), 47.

Stern LK, Velleca A, Nishihara K, Shen A, Zaliznyak M, Patel J, Hamilton MA, Ramzy D, Esmailian F, Kobashigawa JA, Kittleson MM. [Impact of the United Network for organ sharing 2018 donor heart allocation system on transplant morbidity and mortality](#). *Clin Transplant*. 2021 Feb;35(2):e14181.

Brown CL, Ebinger J, Bradley SM, Kavian JA, Ajoku A, Leong D, Tyler JM, Lange DC, Henry TD. [Reliability and Validity of Current Approaches to Identification of Patients with ST-Segment-Elevation Myocardial Infarction](#). *Circ Cardiovasc Qual Outcomes*. 2021 Mar;14(3):e007228.

Ouyang D, He B, Ghorbani A, Yuan N, Ebinger J, Langlotz CP, Heidenreich PA, Harrington RA, Liang DH, Ashley EA, Zou JY. [Video-based AI for beat-to-beat assessment of cardiac function](#). *Nature*. 2020 Apr;580(7802):252-256.

Stern LK, Selby VN, Kolaitis NA, Boin F, Aras M, Klein L, De Marco T. [Heart-lung transplantation: A viable option for connective tissue diseases](#). *Clin Transplant*. 2020 Feb;34(2):e13776.

Pollick C, Shmueli H, Maalouf N, Zadikany RH. [Left ventricular cavity obliteration: Mechanism of the intracavitary gradient and differentiation from hypertrophic obstructive cardiomyopathy](#). *Echocardiography*. 2020 Jun;37(6):822-831.

Zadikany RH, Cole RM, Chang DH, Patel JK, Geft DR, Czer L, Esmailian F, Ramzy D, Moriguchi JD, Kobashigawa JA, Kittleson MM. [Total Artificial Heart as Bridge to Cardiac Retransplantation](#). *ASAIO J*. 2021 Mar 1;67(3):e77-e79.

Hitzeman TC, Xie Y, Zadikany RH, Nikolova AP, Baum R, Caldaruse AM, Agvastian S, Melmed GY, McGovern DPB, Geft DR, Chang DH, Moriguchi JD, Hage A, Azarbal B, Czer LS, Kittleson MM, Patel JK, Wu AHB, Kobashigawa JA, Hamilton M, Hong T, Shaw RM. [cBIN1 Score \(CS\) Identifies Ambulatory HFrEF Patients and Predicts Cardiovascular Events](#). *Front Physiol*. 2020 May 25;11:503.

Chang KW, Xian Y, Zhao X, Mi X, Matsouaka R, Schwamm LH, Shah S, Lytle BL, Smith EE, Bhatt DL, Fonarow GC, Hsu JC. [Antiplatelet patterns and outcomes in patients with atrial fibrillation not prescribed an anticoagulant after stroke](#). *Int J Cardiol*. 2020 Dec 15;321:88-94.

Setia G, Tyler J, Kwan A, Faguet J, Sharma S, Singh S, Azarbal B, Tompkins R, Chinchilla D, Ghandehari S. [High thrombus burden despite thrombolytic therapy in ST-elevation myocardial infarction in a patient with COVID-19](#). *Rev Cardiovasc Med*. 2020 Jun 30;21(2):289-295.

Kwan AC, McElhinney PA, Tamarappoo BK, Cadet S, Hurtado C, Miller RJH, Han D, Otaki Y, Eisenberg E, Ebinger JE, Slomka PJ, Cheng VY, Berman DS, Dey D. [Prediction of revascularization by coronary CT angiography using a machine learning ischemia risk score](#). *Eur Radiol*. 2021 Mar;31(3):1227-1235.

Roy R, Aldiwani H, Darouian N, Sharma S, Torbati T, Wei J, Nelson MD, Shufelt C, Minissian MB, Li L, Merz CNB, Mehta PK. [Ambulatory and silent myocardial ischemia in women with coronary microvascular dysfunction: Results from the Cardiac Autonomic Nervous System study \(CANS\)](#). *Int J Cardiol*. 2020 Oct 1;316:1-6.

Mehta PK, Sharma S, Minissian M, Harsch MR, Martinson M, Nyman JA, Shaw LJ, Bairey Merz CN, Wenger NK. [Ranolazine Reduces Angina in Women with Ischemic Heart Disease: Results of an Open-Label, Multicenter Trial](#). *J Womens Health (Larchmt)*. 2019 May;28(5):573-582.

Yuan N, Scherzer R, Tanriverdi K, Martin J, Rahalkar S, Hsue P. [MicroRNA biomarkers associated with type 1 myocardial infarction in HIV-positive individuals](#). *AIDS*. 2019 Dec 1;33(15):2351-2361.

Yuan N, Dudley RA, Boscardin WJ, Lin GA. [Electronic health records systems and hospital clinical performance: a study of nationwide hospital data](#). *J Am Med Inform Assoc*. 2019 Oct 1;26(10):999-1009.

Zadikany RH, Hong T, Shaw RM. [Heart failure: distinguishing failing myocardium from volume overload.](#) *Biomark Med.* 2019 Jun;13(9):697-700.

Grigorian-Shamagian L, Liu W, Fereydooni S, Middleton RC, Valle J, Cho JH, Marbán E. [Cardiac and systemic rejuvenation after cardiosphere-derived cell therapy in senescent rats.](#) *Eur Heart J.* 2017 Oct 14;38(39):2957-2967.

Cho JH, Youn SJ, Moore JC, Kyriakakis R, Vekstein C, Militello M, Poe SM, Wolski K, Tchou PJ, Varma N, Niebauer MJ, Bhargava M, Saliba WI, Wazni OM, Lindsay BD, Wilkoff BL, Chung MK. [Safety of oral dofetilide reloading for treatment of atrial arrhythmias.](#) *Circ Arrhythm Electrophysiol.* 2017 Oct;10(10). pii: e005333.

Chen C, Chu H, Tso J, Luthringer DJ, Siegel R. [Asymptomatic recurrence of right ventricular myxoma after excision of four-chamber myxoma.](#) *CASE (Phila).* 2017 Sep 9;1(5):195-197.

Tyler JM, Kereiakes DJ, Henry TD. [No risk, no reward.](#) *Circ Res.* 2018 Aug 17;123(5):521-523.

Shufelt C, Elboudwarej O, Johnson BD, Mehta P, Bittner V, Braunstein G, Berga S, Stanczyk F, Dwyer K, Merz CN. [Carotid artery distensibility and hormone therapy and menopause: the Los Angeles Atherosclerosis Study.](#) *Menopause.* 2016 Feb;23(2):150-157.

Elboudwarej O, Patel JK, Liou F, Rafiei M, Osborne A, Chai W, Kittleson M, Czer L, Stern L, Esmailian F, Kobashigawa JA. [Risk of deep vein thrombosis and pulmonary embolism after heart transplantation: clinical outcomes comparing upper extremity deep vein thrombosis and lower extremity deep vein thrombosis.](#) *Clin Transplant.* 2015 Jul;29(7):629-635.

Bairey Merz CN, Elboudwarej O, Mehta P. [The autonomic nervous system and cardiovascular health and disease: a complex balancing act.](#) *JACC Heart Fail.* 2015 May;3(5):383-385.

Zarrini P, Elboudwarej O, Luthringer D, Siegel R. [Rare mycotic aneurysm of the mitral valve without aortic valve involvement.](#) *Echocardiography.* 2015 Sep;32(9):1428-1431.

Elboudwarej O, Wei J, Siegel R. [Diagnosis of an aortic valvular lesion.](#) Non-bacterial thrombotic endocarditis (NBTE). *Heart.* 2015 May;101(9):719-726.

Shaw RM, Nikolova AP. [A surprising noncanonical role for calcineurin in pressure-induced cardiac hypertrophy.](#) *J Am Coll Cardiol.* 2018 Feb 13;71(6):668-669.

Pacheco Claudio C, Quesada O, Pepine CJ, Noel Bairey Merz C. [Why names matter for women: MINOCA/INOCA \(myocardial infarction/ischemia and no obstructive coronary artery disease\).](#) *Clin Cardiol.* 2018 Feb;41(2):185-193.

Ahmed A, Henry TD. [If you prick us, do we not bleed?](#) *Catheter Cardiovasc Interv.* 2017 Nov 1;90(5):743-744.

Quesada O, Arnson Y, Tilkian A, Hayes S, Azarbal B, Berman DS. [Stent in false versus true lumen of left anterior descending artery identified on cardiac computed tomography.](#) *J Cardiovasc Comput Tomogr.* 2017 Oct 7. pii:S1934-5925(17)30220-4.

Ebinger J, Henry TD. [From D2B to B2D: Value based STEMI care!](#) *Catheter Cardiovasc Interv.* 2017 Jun 1;89(7):1147-1148.

Ebinger J. [Health services research: cardiology in the changing health care landscape.](#) *J Am Coll Cardiol.* 2017 Mar 7;69(9):A1-A36, e47-e53, 1103- 1214.

Krishnan S, Otaki Y, Doris M, Slipczuk L, Arnson Y, Rubeaux M, Dey D, Slomka P, Berman DS, Tamarappoo B. [Molecular imaging of vulnerable coronary plaque: a pathophysiologic perspective.](#) *J Nucl Med.* 2017 Mar;58(3):359-364.

Elboudwarej O, Phan D, Patel JK, Liou F, Aintablian T, Osborne A, Yu Z, Reinsmoen N, Kobashigawa JA. [Corticosteroid wean after heart transplantation-Is there a risk for antibody formation?](#) *Clin Transplant.* 2017 Apr;31(4)