

HENRY FORD HOSPITAL DIVISION OF CARDIOLOGY 2022 PUBLICATIONS

#1) Abed V, Faber A, Jageka C, Goleniak R, and **Fadel R**. Intussusception in the Setting of an Ulcerative Colitis Flare. *Case Rep Gastrointest Med* 2022; 2022:3559464. PMID: 35677833. doi.org/10.1155/2022/3559464

#2) Ahlers MJ, Srivastava PK, **Basir MB, O'Neill WW**, Hacala M, Ammar K, Khalil S, Hollowed J, and Nsair A. Characteristics and outcomes of patients presenting with acute myocardial infarction and cardiogenic shock during COVID-19. *Catheter Cardiovasc Interv* 2022; 100(4):568-574. PMID: 36073018. doi.org/10.1002/ccd.30390

#3) Ahmad Y, Madhavan MV, Baron SJ, Forrest JK, Borger MA, Leipsic JA, Cavalcante JL, **Wang DD**, McCarthy P, Szerlip M, Kapadia S, Makkar R, Mack MJ, Leon MB, and Cohen DJ. Clinical Research on Transcatheter Aortic Valve Replacement for Bicuspid Aortic Valve Disease: Principles, Challenges, and an Agenda for the Future. *Struct Heart* 2022. PMID: Not assigned. doi.org/10.1016/j.shj.2022.100102

#4) Al-Atta A, **Zaidan M**, Abdalwahab A, Asswad AG, Egred M, Zaman A, and Alkhalil M. Mechanical circulatory support in acute myocardial infarction complicated by cardiogenic shock. *Rev Cardiovasc Med* 2022; 23(2):71. PMID: 35229562. doi.org/10.31083/j.rcm2302071

#5) Al-Darzi W, Aurora L, **Cowger J**, Tanaka D, Lemor A, **Koenig G**, and **Parikh S**. Hemodynamic and Echocardiographic Assessment of Left Ventricle Recovery with Left Ventricular Assist Devices: Do We Explant? *J Heart Lung Transplant* 2022; 41(4):S234-S235. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.1726

#6) Al-Darzi W, Mukherjee A, **Cowger J**, and **Hannawi B**. A Case of Muscular Dystrophy with Dilated Cardiomyopathy: Do Not Forget Your Basics. *J Heart Lung Transplant* 2022; 41(4):S456. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.1151

#7) Almajed MR, Cerna-Viacava RA, and **Lee JC**. A CASE OF ACUTE PERICARDITIS DUE TO RESPIRATORY SYNCYTIAL VIRUS IN A HEALTHY ADULT. *J Gen Intern Med* 2022; 37:S382-S383. PMID: Not assigned. doi.org/10.1007/s11606-022-07653-8

#8) Alonso W, Kupzyk K, Norman J, Lundgren S, Lindsey M, Fisher A, Bills S, **Keteyian S**, and Pozehl B. Long-term Adherence To Exercise In Adults With Preserved Ejection Fraction Heart Failure. *J Card Fail* 2022; 28(5):S5-S6. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.03.017

#9) **Alrayes H**, Alsaadi A, Alkhatib A, Patel D, **Alqarqaz M, Frisoli T, Fuller B, Khandelwal A, Koenig G, O'Neill B, Villablanca P, Zaidan M, O'Neill W, Alaswad K**, and **Basir M**. TCT-175 Safety and Complications Associated With the Use of Protamine in Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B71. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.206

#10) **Alrayes H**, Kabbani L, and **Basir M**. Failed Manta Closure Device After High-Risk PCI. *J Invasive Cardiol* 2022; 34(1):E69-e70. PMID: 34982730.

#11) Alsaadi A, Ghandour A, Ignatius A, Martin A, **Lee J, Rabbani B, Zweig B, Parikh S, Villablanca P**, Wilson C, **Frisoli T, O'Neill B, O'Neill W**, and **Wang DD**. TCT-374 Structural Heart Intraprocedural Versus Nonprocedural Transesophageal Echocardiography: A Quantitative Analysis of Complexity. *J Am Coll Cardiol* 2022; 80(12):B150-B151. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.439

#12) Alshaikh LM, Apple FS, Christenson RH, deFilippi CR, Limkakeng AT, Jr., **McCord J**, Nowak RM, Singer AJ, and Peacock WF. Outcomes in ED patients with non-specific ECG findings and low high-sensitivity troponin. *J Am Coll Emerg Physicians Open* 2022; 3(6):e12844. PMID: 36408352. doi.org/10.1002/emp2.12844

#13) Ananthasubramaniam G, and **Ananthasubramaniam K**. Stress electrocardiography testing in coronary artery disease: Is it time for its swan song or to redefine its role in the modern era ? *Indian Heart J* 2022; 74(2):81-85. PMID: 35167825. doi.org/10.1016/j.ihj.2022.02.003

#14) Armario X, Carron J, Abdel-Wahab M, Tchetché D, Bleiziffer S, Lefevre T, Modine T, Wolf A, Pilgrim T, **Villablanca P**, Cunnington M, Van Mieghem N, Hengstenberg C, Sondergaard L, Swaans M, Prendergast B, Barbanti M, Webb J, Uren N, Resar J, Chen M, Hildick-Smith D, Spence M, Zweiker D, Bagur R, de Cruz H, Ribichini F, Park DW, Codner P, Wykrzykowska J, Bunc M, Estevez-Loureiro R, Poon K, Göteborg M, Ince H, Latib A, Packer E, Angelillis M, Kobari Y, Nombela-Franco L, Guo Y, Savontaus M, Arafat AA, Kliger C, Roy D, Merkely B, Silva M, White J, Yamamoto M, Ferreira PC, Toggweiler S, Ohno Y, Rodrigues I, Ojeda S, Voudris V,

Grygier M, Almerri K, Cruz-Gonzalez I, Fridrich V, De la Torre Hernandez J, Piazza N, Noble S, Arzamendi D, Ibrahim halil K, Bosmans J, Erglis M, Casserly I, Sawaya F, Bhindi R, Kefer J, Yin WH, Rosseel L, Kim HS, O'Connor S, Hellig F, Szejfman M, Mendiz O, Xuereb R, Brito F, Bajoras V, Balghith M, Kang-Yin Lee M, Eid-Lidt G, Vandelloo B, Vaz V, Alasnag M, Ussia GP, Mayol J, Sardella G, Buddhari W, Kao HL, Dager A, Tzikas A, Edris A, Gutierrez L, Arias E, Erturk M, Conde Vela CN, Boljevic D, Guadagnoli AF, ElGuindy A, Santos L, Perez L, Maluenda G, Akyüz AR, Alhaddad I, Amin H, Yu SC, Alnooryani A, Albistur J, Nguyen Q, and Mylotte D. TCT-549 Impact of COVID-19 Pandemic on TAVR Activity: A Worldwide Registry. *J Am Coll Cardiol* 2022; 80(12):B225-B226. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.648

#15) **Aronow HD**. Presidential Address: Mission-driven. *Vasc Med* 2022; 27(6):615-618. PMID: 36475563. doi.org/10.1177/1358863x221137114

#16) Atluri P, Silvestry SC, Teuteberg JJ, Milano CA, Selzman CH, and **Cowger JA**. What If the Destination Is Transplant? Outcomes of Destination Therapy Patients Who Were Transplanted. *Asaio j* 2022; 68(2):178-183. PMID: 35089262. doi.org/10.1097/mat.0000000000001425

#17) Aurora L, Gorgis S, Lemor A, Ya'qoub L, Kunkel K, Zhou Y, Dupont A, Grines C, Voeltz M, Martinez S, Tehrani B, Ibrahim NE, Truesdell AG, Wohns D, **Khandelwal A**, **O'Neill WW**, and **Basir M**. Shock Protocols May Decrease Racial, Ethnic, and Sex Disparities in Acute Myocardial Infarction and Cardiogenic Shock. *Cardiovasc Revasc Med* 2022; 40:29. PMID: Not assigned. doi.org/10.1016/j.carrev.2022.06.058

#18) Aurora L, Gorgis S, Lemor A, Ya'qoub L, Kunkel K, Zhou Y, Dupont A, Grines C, Voeltz M, Martinez S, Tehrani B, Ibrahim NE, Truesdell AG, Wohns D, **Khandelwal A**, **O'Neill WW**, and **Basir M**. CRT-100.38 Shock Protocols May Decrease Racial, Ethnic, and Sex Disparities in Acute Myocardial Infarction and Cardiogenic Shock. *JACC: Cardiovasc Interventions* 2022; 15(4):S10. PMID: Not assigned. doi.org/10.1016/j.jcin.2022.01.100

#19) Bansal A, and **Ananthasubramaniam K**. Cardiovascular positron emission tomography: established and emerging role in cardiovascular diseases. *Heart Fail Rev* 2022. PMID: 36129644. doi.org/10.1007/s10741-022-10270-6

#20) Basij M, John S, Bustamante D, Kabbani L, **Maskoun W**, and Mehrmohammadi M. Integrated Ultrasound and Photoacoustic-guided Laser Ablation Theranostic

Endoscopic System. *IEEE Trans Biomed Eng* 2022; Pp. PMID: 35724291. doi.org/10.1109/tbme.2022.3184495

#21) **Basir M**, Lemor A, Li Y, Redfors B, Truesdell A, Bharadwaj A, Kaki A, Wohns D, Meraj P, Daggubati R, Grines C, **O'Neill W**, and Moses J. TCT-70 Clinical Predictors of Patients Requiring Prolonged Mechanical Circulatory Support After High-Risk PCI. *J Am Coll Cardiol* 2022; 80(12):B28-B29. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.085

#22) Bharadwaj A, Abu-Much A, Redfors B, Li Y, Moses J, Grines C, Yeh R, Mallow P, Patel M, Waggoner T, Faraz H, Pinto D, Batchelor W, Truesdell A, Baron S, **Basir M**, and **O'Neill W**. TCT-99 Short- and Long-Term Outcomes of Patients With Chronic Kidney Disease Undergoing Protected High-Risk Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B40. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.119

#23) Bharadwaj A, Li Y, Moses J, Redfors B, Abu-Much A, Mallow P, Patel M, Grines C, Faraz H, Yeh R, Waggoner T, Pinto D, Batchelor W, Truesdell A, **O'Neill W**, **Basir M**, and Baron S. TCT-545 Angiographic Features, Lesion, and Procedural Characteristics in Patients With Chronic Kidney Disease Undergoing Protected High-Risk Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B223-B224. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.643

#24) Bhogal S, Garcia-Garcia HM, Klein A, Benzuly K, Mangalmurti S, Moses J, **Alaswad K**, Jaffer F, Yong C, Nanjundappa A, Ben-Dor I, Mintz GS, Hashim H, and Waksman R. Intravascular Lithotripsy for the Treatment of Severely Calcified Coronary Artery Disease: An IVUS Sub-Study. *Cardiovasc Revasc Med* 2022; 40:15-16. PMID: Not assigned. doi.org/10.1016/j.carrev.2022.06.024

#25) Bhogal S, Garcia-Garcia HM, Klein A, Benzuly K, Mangalmurti S, Moses J, **Alaswad K**, Jaffer F, Yong C, Nanjundappa A, Ben-Dor I, Mintz GS, Hashim H, and Waksman R. CRT-100.04 Intravascular Lithotripsy for the Treatment of Severely Calcified Coronary Artery Disease: An IVUS Sub-Study. *JACC: Cardiovasc Interventions* 2022; 15(4):S1. PMID: Not assigned. doi.org/10.1016/j.jcin.2022.01.073

#26) Boshara A, **Ananthasubramaniam K**, **Russell C**, Bradley P, Nadeem O, and **Cowger J**. Sarcoidosis: Hiding in Plain Sight. *J Heart Lung Transplant* 2022; 41(4):S345. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.1421

#27) **Brawner CA**, Pack Q, Berry R, **Kerrigan DJ**, **Ehrman JK**, and **Keteyian SJ**. Relation of a Maximal Exercise Test to Change in Exercise Tolerance During Cardiac Rehabilitation. *Am J Cardiol* 2022; 175:139-144. PMID: 35570164. doi.org/10.1016/j.amjcard.2022.04.009

#28) Cajigas HR, Kaptzan T, Lewis B, El-Sabbagh A, Al-Hijji M, Eleid M, Alkhouli M, **Wang DD**, Eng M, Kodali S, George I, Chakravarty T, Pershad A, O'Hair D, Jones N, Makkar R, Reisman M, Leon M, **O'Neill W**, Rihal C, and Guerrero M. The impact of pulmonary hypertension on outcomes of transcatheter mitral valve replacement in mitral annular calcification. *Catheter Cardiovasc Interv* 2022; 99(5):1647-1658. PMID: 35019204. doi.org/10.1002/ccd.30057

#29) Cascino T, Colvin M, **Lanfeard D**, Richards B, Mann D, Taddei-Peters W, Jeffries N, Stewart G, and Aaronson K. Not By Choice: Black Patients With Advanced Heart Failure Are Less Likely To Receive A Vad Or Transplant Despite Their Preferences For Care. *J Card Fail* 2022; 28(5):S32-S33. PMID: Not assigned.

#30) Cascino TM, Colvin MM, **Lanfeard DE**, Richards B, Khalatbari S, Mann DL, Taddei-Peters WC, Jeffries N, Watkins DC, Stewart GC, and Aaronson KD. Racial Inequities in Access to Ventricular Assist Device and Transplant Persist After Consideration for Preferences for Care: A Report From the REVIVAL Study. *Circ Heart Fail* 2022:e009745. PMID: 36259388. doi.org/10.1161/circheartfailure.122.009745

#31) Cascino TM, McCullough JS, Wu X, Pienta MJ, Stewart JW, 2nd, Hawkins RB, Brescia AA, Abou El Ala A, Zhang M, Noly PE, Haft JW, **Cowger JA**, Colvin M, Aaronson KD, Pagani FD, and Likosky DS. Comparison of Evaluations for Heart Transplant Before Durable Left Ventricular Assist Device and Subsequent Receipt of Transplant at Transplant vs Nontransplant Centers. *JAMA Netw Open* 2022; 5(11):e2240646. PMID: 36342716. doi.org/10.1001/jamanetworkopen.2022.40646

#32) Chamogeorgakis T, Toumpoulis I, **Lanfeard D**, **Williams C**, Koliopoulou A, Adamopoulos S, and **Cowger J**. Right Ventricular Failure Following Left Ventricular Assist Device Implant: An Intermacs Analysis. *J Heart Lung Transplant* 2022; 41(4):S31. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.069

#33) Chiang M, Gonzalez PE, **Basir MB**, **O'Neill BP**, **Lee J**, **Frisoli T**, **Wang DD**, **O'Neill WW**, and **Villablanca PA**. Modified Transcaval Left Atrial Venoarterial

Extracorporeal Membrane Oxygenation Without Preplanning Contrast CT: Step-by-Step Guide. *JACC Cardiovasc Interv* 2022; 15(16):e181-e185. PMID: 35981853. doi.org/10.1016/j.jcin.2022.05.033

#34) Chiang M, Gonzalez PE, **O'Neill BP**, **Lee J**, **Frisoli T**, **Wang DD**, **O'Neill WW**, and **Villablanca PA**. Left Atrial Venoarterial Extracorporeal Membrane Oxygenation for Acute Aortic Regurgitation and Cardiogenic Shock. *JACC Case Rep* 2022; 4(5):276-279. PMID: 35257102. doi.org/10.1016/j.jaccas.2021.12.030

#35) Chiang M, Gonzalez PE, **Villablanca PA**, **O'Neill B**, **Lee J**, **Frisoli T**, **Wang DD**, Eng MH, and **O'Neill WW**. Aorto-Left Ventricular Fistula From Aortic Pseudoaneurysm After TAVR: Transcatheter Treatment With Multimodality Imaging. *JACC Cardiovasc Interv* 2022; 15(11):e131-e133. PMID: 35430171. doi.org/10.1016/j.jcin.2022.02.034

#36) Chiang M, **Villablanca PA**, **O'Neill WW**, and **Frisoli T**. Trans-caval aspiration artherectomy/thrombectomy of large mobile plaques and thrombi in aortic arch and descending aorta. *Catheter Cardiovasc Interv* 2022. PMID: 36378598. doi.org/10.1002/ccd.30491

#37) Chiang M, **Wang DD**, **O'Neill WW**, and **Villablanca PA**. Bilateral Transbrachial Intracardiac Echocardiography-Guided Patent Foramen Ovale Closure in Patient With Bilateral Deep Vein Thrombosis. *J Invasive Cardiol* 2022; 34(8):E643-e644. PMID: 35920736.

#38) Cogswell R, Cantor RS, Vorovich E, Kilic A, Stehlik J, **Cowger JA**, Habib RH, Kirklin JK, Pagani FD, and Atluri P. HVAD to Heartmate 3 Device Exchange: A Society of Thoracic Surgeons Intermacs Analysis. *Ann Thoracic Surg* 2022; 114(5):1672-1678. PMID: Not assigned. doi.org/10.1016/j.athoracsur.2021.09.031

#39) **Cowger JA**. Bridging Patients Safely from VAD to Transplant. *J Card Fail* 2022; 28:7. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.07.015

#40) **Cowger JA**, and Cogswell R. Myocardial Recovery or Urgent Transplant: Mutually Exclusive Goals Under the Current UNOS Allocation System. *J Am Coll Cardiol* 2022; 79(9):914-916. PMID: 35241225. doi.org/10.1016/j.jacc.2021.12.021

#41) Dalia T, Chan WC, Sauer AJ, Ranka S, Goyal A, Mastoris I, Pothuru S, Abicht T, Danter M, Vidic A, Gupta K, Tedford RJ, **Cowger J**, Fang JC, and Shah Z. Outcomes in

Patients with Chronic Kidney Disease and End Stage Renal Disease and Durable Left Ventricular Assist Device: Insights from United States Renal Data System Database. *J Card Fail* 2022; 28(11):1604-1614. PMID: 35470059. doi.org/10.1016/j.cardfail.2022.03.355

#42) Defilippis EM, Psotka MA, Khazanie P, **Cowger J**, and Cogswell R. Exploring Physician Perceptions of the 2018 United States Heart Transplant Allocation System. *J Card Fail* 2022; 28(4):670-674. PMID: 35039204. doi.org/10.1016/j.cardfail.2021.11.027

#43) Demertzis ZD, Ijaz N, Taleb I, Kyriakopoulos C, Peruri A, Chaudhary C, Dranow E, Alharethi R, Selzman C, Stehlik J, Koliopoulou A, Tang D, Shah P, Drakos S, and **Cowger J**. Predicting Right Ventricular Failure Following Left Ventricular Assist Device Support: An INTERMACS Validation Study. *J Card Fail* 2022; 28(5):S53. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.03.139

#44) **Devgun J, Abdelrahim E**, Ahmed F, Kazem A, Singh-Kucukarslan G, Nemeh H, and **Maskoun W**. TRICUSPID VALVE DISEASE AND RIGHT VENTRICULAR DYSFUNCTION AFTER RIGHT VENTRICULAR TRANSVENOUS LEAD PLACEMENT IN PATIENTS WITH TRICUSPID VALVE PROSTHESIS. *J Am Coll Cardiol* 2022; 79(9):1694. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)02685-7

#45) **Devgun J**, De Potter T, Fabbriatore D, and **Wang DD**. Pre-cath Laboratory Planning for Left Atrial Appendage Occlusion - Optional or Essential? *Interv Cardiol Clin* 2022; 11(2):143-152. PMID: 35361459. doi.org/10.1016/j.iccl.2021.11.003

#46) **Devgun JK**, Nasser T, and **Lee J**. Pulmonary vein Doppler flow in a patient with fatigue and dyspnoea. *Heart* 2022; 108(12):931-988. PMID: 35613734. doi.org/10.1136/heartjnl-2021-320686

#47) Diaczok B, Nair G, Lin CH, Paxton JH, Abbas A, Barkley G, **O'Neil B, O'Neil W**, Patel K, Sims M, Poisson L, and Sule AA. Evolution of prescribing practices and outcomes in the COVID-19 pandemic in metropolitan areas. *Infez Med* 2022; 30(1):86-95. PMID: 35350268. doi.org/10.53854/liim-3001-10

#48) Douglas PS, Mack MJ, Acosta DA, Benjamin EJ, Biga C, Hayes SN, Ijioma NN, Jay-Fuchs L, **Khandelwal AK**, McPherson JA, Mieres JH, Roswell RO, Sengupta PP, Stokes N, Wade EA, and Yancy CW. 2022 ACC Health Policy Statement on Building Respect, Civility, and Inclusion in the Cardiovascular Workplace: A Report of the

American College of Cardiology Solution Set Oversight Committee. *J Am Coll Cardiol* 2022; 79(21):2153-2184. PMID: 35307518. doi.org/10.1016/j.jacc.2022.03.006

#49) Dulgar K, Lekura J, Pyle J, Kalus J, Agnello M, Loveland L, Lozo J, Abdallah N, Senneff T, **Kim HE, Grafton G, Williams CT**, and To L. EVALUATION OF GUIDELINE DIRECTED MEDICAL THERAPY IN A PHARMACIST-LED HEART FAILURE CLINIC. *J Am Coll Cardiol* 2022; 79(9):280. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01271-2

#50) **Ehrman JK**, Gardner AW, Salisbury D, Lui K, and Treat-Jacobson D. Supervised Exercise Therapy for Symptomatic Peripheral Artery Disease: A REVIEW OF CURRENT EXPERIENCE AND PRACTICE-BASED RECOMMENDATIONS. *J Cardiopulm Rehabil Prev* 2022; 43(1):15-21. PMID: 36114638. doi.org/10.1097/hcr.0000000000000723

#51) **Ehrman JK**, Salisbury D, and Treat-Jacobson D. Decision Aids for Determining Facility Versus Non-Facility-Based Exercise in Those with Symptomatic Peripheral Artery Disease. *Curr Cardiol Rep* 2022; 24(8):1-9. PMID: 35587854. doi.org/10.1007/s11886-022-01720-6

#52) Eleid MF, **Wang DD**, Pursnani A, Kodali SK, George I, Palacios I, Russell H, Makkar RR, Kar S, Satler LF, Rajagopal V, Dangas G, Tang GHL, McCabe JM, Whisenant BK, Fang K, Kaptzan T, Lewis B, Douglas P, Hahn R, Thaden J, Oh JK, Leon M, **O'Neill W**, Rihal CS, and Guerrero ME. 2-Year Outcomes of Transcatheter Mitral Valve Replacement in Patients With Annular Calcification, Rings, and Bioprostheses. *J Am Coll Cardiol* 2022; 80(23):2171-2183. PMID: 36456047. doi.org/10.1016/j.jacc.2022.09.037

#53) **Frisoli TM**, Chiang M, Eng MH, Gonzalez PE, Szymanski T, **Villablanca PA, O'Neill B, Lee JC, Wang DD**, and **O'Neill WW**. Percutaneous Aspiration Thrombectomy of Thrombus Attached to Left Atrial Surface of a Watchman FLX Device. *JACC Clin Electrophysiol* 2022; 8(2):277-279. PMID: 35210092. doi.org/10.1016/j.jacep.2021.11.015

#54) Gelovani D, Mahmood S, **Wang DD, Frisoli TM, Lee JC, Villablanca PA**, Chiang M, Engel-Gonzales P, Wyman JF, **O'Neill B, O'Neill WW**, and Eng MH. INITIAL EXPERIENCE WITH LITHOTRIPSY FOR MITRAL BALLOON VALVULOPLASTY. *J Am Coll Cardiol* 2022; 79(9):577. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01568-6

#55) Génereux P, Kirtane AJ, Kandzari DE, Armstrong EJ, Krucoff MW, Redfors B, Ben-Yehuda O, Lerew DR, Ali ZA, Maehara A, **O'Neill WW**, and Stone GW. Randomized Evaluation of Vessel Preparation With Orbital Atherectomy Prior to Drug-Eluting Stent Implantation in Severely Calcified Coronary Artery Lesions: Design and Rationale of the ECLIPSE Trial. *Am Heart J* 2022; 249:1-11. PMID: 35288105. doi.org/10.1016/j.ahj.2022.03.003

#56) Ghandour A, Alsaadi A, Ignatius A, Martin A, **Lee J, Rabbani B, Zweig B, Parikh S, Villablanca P, Wilson C, Frisoli T, O'Neill B, O'Neill W, and Wang DD**. TCT-378 Not Every TEE Is a "Standard of Care" TEE. *J Am Coll Cardiol* 2022; 80(12):B152. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.443

#57) Ghandour AH, Gupta K, Do AP, **Alqarqaz M, and Zweig B**. DOUBLE-TROUBLE: TAKOTSUBO AND ACUTE CORONARY SYNDROME IN A YOUNG WOMAN. *J Am Coll Cardiol* 2022; 79(9):2572. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)03563-X

#58) Gheorghe LL, Hegeman R, Vrijkorte M, Wunderlich N, Cavalcante J, **Wang DD**, Rana B, Vannan M, Timmers L, and Swaans M. The evolving role of multi-modality imaging in transcatheter tricuspid valve interventions. *Front Cardiovasc Med* 2022; 9:793267. PMID: 36386324. doi.org/10.3389/fcvm.2022.793267

#59) **Gindi R, Gorgis S, Raad M, O'Neill W, and Koenig G**. The use of coronary sinus reducer for refractory angina in the U.S.: A case series. *Cardiovasc Revasc Med* 2022; 40S:267-271. PMID: 35042667. doi.org/10.1016/j.carrev.2022.01.003

#60) Gopinathannair R, Pothineni NVK, Trivedi JR, Roukoz H, **Cowger J**, Ahmed MM, Bhan A, A KR, Bhat G, Al Ahmad A, Natale A, Di Biase L, Slaughter MS, and Lakkireddy D. Amiodarone Use and All-Cause Mortality in Patients With a Continuous-Flow Left Ventricular Assist Device. *J Am Heart Assoc* 2022; 11(11):e023762. PMID: 35656998. doi.org/10.1161/jaha.121.023762

#61) Gorgis S, **Ehrman JK**, Blaha MJ, Qureshi WT, **Keteyian SJ**, Al-Mallah MH, and **Brawner CA**. Relation of Exercise Capacity to Incident Heart Failure Among Men and Women With Coronary Heart Disease (from the Henry Ford Exercise Testing [FIT] Project). *Am J Cardiol* 2022; 181:66-70. PMID: 35970629. doi.org/10.1016/j.amjcard.2022.07.016

#62) Gorgis S, Lemor A, Kolski B, Lalonde T, Kaki A, Marso S, Senter S, Rahman A, Gorwara S, Nazir R, Zuberi O, Justice L, Srivastava N, Padgett R, **O'Neill W, and Basir MB**. Antiplatelet Therapy in Acute Myocardial Infarction and Cardiogenic Shock: Insights From the National Cardiogenic Shock Initiative. *J Invasive Cardiol* 2022; 34(3):E156-E163. PMID: 35157607.

#63) Gorgis S, Mawri S, Dabbagh MF, Aurora L, Ali M, Mitchell G, Jacobsen G, Hegab S, Schwartz S, Kelly B, **Grafton G**, Awdish R, Ismail R, and **Koenig G**. Ultrasound-assisted catheter-directed thrombolysis versus anticoagulation alone for management of submassive pulmonary embolism. *J Cardiol* 2022; 80(5):441-448. PMID: 35643741. doi.org/10.1016/j.jcc.2022.04.008

#64) Granger B, Devore A, Kaltenbach L, Fonarow G, Al-Khalidi H, Albert N, Lewis E, Butler J, Pina I, Heidenreich P, Allen L, Yancy C, Cooper L, Felker M, McRae A, **Lanfeard D**, Harrison R, Disch M, Ariely D, Miller J, Granger C, and Hernandez A. Performance On Guideline Directed Medical Therapy Remains Low In A Cluster-randomized Trial: Results From CONNECT-HF. *J Card Fail* 2022; 28(5):S43. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.03.114

#65) Granger BB, Kaltenbach LA, Fonarow GC, Allen LA, **Lanfeard DE**, Albert NM, Al-Khalidi HR, Butler J, Cooper LB, Dewald T, Felker GM, Heidenreich P, Kottam A, Lewis EF, Piña IL, Yancy CW, Granger CB, Hernandez AF, and Devore AD. Health System-Level Performance in Prescribing Guideline-Directed Medical Therapy for Patients With Heart Failure With Reduced Ejection Fraction: Results From the CONNECT-HF Trial. *J Card Fail* 2022; 28(8):1355-1361. PMID: 35462033. doi.org/10.1016/j.cardfail.2022.03.356

#66) Gregerson S, Mahmood S, Brooks C, Gonzalez PE, **Villablanca P, Frisoli T, Lee J, Wang DD, O'Neill W, and O'Neill BP**. TCT-353 Clinical Characteristics and Outcomes of Alcohol Septal Ablation in the Era of Transcatheter Valve Interventions. *J Am Coll Cardiol* 2022; 80(12):B143. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.414

#67) Guduguntla V, Yaser JM, **Keteyian SJ**, Pagani FD, Likosky DS, Sukul D, and Thompson MP. Variation in Cardiac Rehabilitation Participation During Aortic Valve Replacement Episodes of Care. *Circ Cardiovasc Qual Outcomes* 2022; 15(7):e009175. PMID: 35559710. doi.org/10.1161/circoutcomes.122.009175

#68) Guichard JL, **Cowger JA**, Chaparro SV, Kiernan MS, Mullens W, Mahr C, Mullin C, Forouzan O, Hiivala NJ, Sauerland A, Leadley K, and Klein L. Rationale and Design

of the Proactive-HF Trial for Managing Patients With NYHA Class III Heart Failure by Using the Combined Cordella Pulmonary Artery Sensor and the Cordella Heart Failure System. *J Card Fail* 2022. PMID: 36191758. doi.org/10.1016/j.cardfail.2022.09.006

#69) Gupta K, and **Ananthasubramaniam K**. If you don't kill pollution it could kill you: pathophysiologic insights into pollution mediated cardiovascular risk through FDG PET imaging. *J Nucl Cardiol* 2022;1-4. PMID: 35859225. doi.org/10.1007/s12350-022-03022-4

#70) Gupta K, and **Lee JC**. Assessment of sinus of valsalva dimensions before TAVI: An independent predictor of worse outcomes? *Am Heart J* 2022; 248:165. PMID: 35491050. doi.org/10.1016/j.ahj.2022.01.003

#71) Gupta K, Pate M, Kakar TS, Di Carli MF, **Ananthasubramaniam K**, Prabhu SD, and Bajaj NS. NON-INVASIVE ASSESSMENT OF MYOCARDIAL ENERGETICS USING 11-C ACETATE POSITRON EMISSION TOMOGRAPHY: SYSTEMATIC REVIEW AND META-ANALYSIS. *J Am Coll Cardiol* 2022; 79(9):1321. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)02312-9

#72) Hanzel GS, Abbas AE, Schreiber TL, and **O'Neill WW**. Account of the First Transcatheter Aortic Valve Replacement in North America. *JACC Cardiovasc Interv* 2022; 15(23):2440-2444. PMID: 36480987. doi.org/10.1016/j.jcin.2022.09.042

#73) Hariri IM, Dardas T, Kanwar M, Cogswell R, Gosev I, Molina E, Myers SL, Kirklin JK, Shah P, Pagani FD, and **Cowger JA**. Long-term survival on LVAD support: Device complications and end-organ dysfunction limit long-term success. *J Heart Lung Transplant* 2022; 41(2):161-170. PMID: 34404571. doi.org/10.1016/j.healun.2021.07.011

#74) Hencken L, **Grafton G**, To L, Nemeh H, and **Cowger J**. Peri-Operative Warfarin Protocol to Decrease Length of Stay After Left Ventricular Assist Device Implantation. *J Heart Lung Transplant* 2022; 41(4):S462. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.1167

#75) Hendrickson MJ, Jain V, Bhatia K, Chew C, Arora S, Rossi JS, **Villablanca P**, Kapur N, Joshi A, Fox A, Mahmood K, Birati EY, Ricciardi MJ, and Qamar A. Contemporary Trends of Utilization of VA-ECMO Support With and Without Impella or Intra-Aortic Balloon Pump for Cardiogenic Shock in the United States 2016 to

2018. *Cardiovasc Revasc Med* 2022; 40:86. PMID: Not assigned. doi.org/10.1016/j.carrev.2022.06.192

#76) Hendrickson MJ, Jain V, Bhatia K, Chew C, Arora S, Rossi JS, **Villablanca P**, Kapur N, Joshi A, Fox A, Mahmood K, Birati EY, Ricciardi MJ, and Qamar A. CRT-600.08 Contemporary Trends of Utilization of VA-ECMO Support With and Without Impella or Intra-Aortic Balloon Pump for Cardiogenic Shock in the United States 2016 to 2018. *JACC: Cardiovasc Interventions* 2022; 15(4):S52-S53. PMID: Not assigned. doi.org/10.1016/j.jcin.2022.01.211

#76) Hendrickson MJ, Jain V, Bhatia K, Chew C, Arora S, Rossi JS, **Villablanca P**, Kapur NK, Joshi AA, Fox A, Mahmood K, Birati EY, Ricciardi MJ, and Qamar A. Trends in Venous-Arterial Extracorporeal Life Support With and Without an Impella or Intra-Aortic Balloon Pump for Cardiogenic Shock. *J Am Heart Assoc* 2022; 11(23):e7896. PMID: 36420809. doi.org/10.1161/jaha.121.025216

#77) Heybati K, Zhou F, Ali S, Deng J, Mohananeey D, **Villablanca P**, and Ramakrishna H. Outcomes of dexmedetomidine versus propofol sedation in critically ill adults requiring mechanical ventilation: a systematic review and meta-analysis of randomised controlled trials. *Br J Anaesth* 2022; 129(4):515-526. PMID: 35961815. doi.org/10.1016/j.bja.2022.06.020

#78) Horiuchi Y, Wettersten N, Patel MP, Mueller C, Neath SX, Christenson RH, Morgenthaler NG, **McCord J**, Nowak RM, Vilke GM, Daniels LB, Hollander JE, Apple FS, Cannon CM, Nagurney JT, Schreiber D, deFilippi C, Hogan C, Diercks DB, Headden G, Limkakeng AT, Jr., Anand I, Wu AHB, Ebmeyer S, Jaffe AS, Peacock WF, and Maisel A. Prognosis is worse with elevated cardiac troponin in nonacute coronary syndrome compared with acute coronary syndrome. *Coron Artery Dis* 2022; 33(5):376-384. PMID: 35880560. doi.org/10.1097/mca.0000000000001135

#79) Hur DJ, **Wang DD**, and Choi AD. From a priori to evidence and advocacy: The evolving paradigm of CCT competency for structural heart disease. *J Cardiovasc Comput Tomogr* 2022; 16(5):412-414. PMID: 35618636. doi.org/10.1016/j.jcct.2022.05.001

#80) Iannaccone M, Franchin L, Hanson I, Boccuzzi G, **Basir M**, Truesdell A, and **O'Neill W**. TCT-66 Door to Impella Placement in Acute Coronary Syndrome Complicated by Cardiogenic Shock: An Updated Meta-analysis. *J Am Coll Cardiol* 2022; 80(12):B27. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.079

#81) Iannaccone M, Franchin L, Hanson ID, Boccuzzi G, **Basir MB**, Truesdell AG, and **O'Neill W**. Timing of impella placement in PCI for acute myocardial infarction complicated by cardiogenic shock: An updated meta-analysis. *Int J Cardiol* 2022; 362:47-54. PMID: 35533755. doi.org/10.1016/j.ijcard.2022.05.011

#82) Isseh IN, Gorgis S, Dagher C, Sharma S, **Basir MB**, and **Parikh S**. Effects of Escalating Temporary Mechanical Circulatory Support in Patients With Worsening Cardiogenic Shock. *Tex Heart Inst J* 2022; 49(6). PMID: 36538600. doi.org/10.14503/thij-21-7615

#83) Jain T, Borgi JF, **Lee JC**, and **Ananthasubramaniam K**. Iatrogenic Diversion of Superior Vena Cava Into Left Atrium. *Tex Heart Inst J* 2022; 49(3). PMID: 35687760. doi.org/10.14503/thij-18-6947

#84) Jehangir Q, Lee Y, Latack K, Poisson L, **Wang DD**, Song S, Apala DR, Patel K, Halabi AR, Krishnamoorthy G, and Sule AA. Incidence, Mortality, and Imaging Outcomes of Atrial Arrhythmias in COVID-19. *Am J Cardiol* 2022; 173:64-72. PMID: 35382929. doi.org/10.1016/j.amjcard.2022.02.051

#85) Jehangir Q, Lee Y, Latack K, Poisson L, **Wang DD**, Song S, Apala DR, Patel K, Halabi AR, Krishnamoorthy G, and Sule AA. Data of atrial arrhythmias in hospitalized COVID-19 and influenza patients. *Data Brief* 2022; 42:108177. PMID: 35449710. doi.org/10.1016/j.dib.2022.108177

#86) John R, Kanwar MK, Cleveland JC, Uriel N, Naka Y, Salerno C, Horstmanshof D, Hall SA, **Cowger J**, Heatley G, Somo SI, and Mehra MR. Concomitant Valvular Procedures During LVAD Implantation and Outcomes: An Analysis of the MOMENTUM 3 Trial Portfolio. *J Heart Lung Transplant* 2022; 41(4):S24. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.051

#87) John R, Kanwar MK, Cleveland JC, Jr., Uriel N, Naka Y, Salerno C, Horstmanshof D, Hall SA, **Cowger JA**, Heatley G, Somo SI, and Mehra MR. Concurrent valvular procedures during left ventricular assist device implantation and outcomes: A comprehensive analysis of the Multicenter Study of MagLev Technology in Patients Undergoing Mechanical Circulatory Support Therapy With HeartMate 3 trial portfolio. *J Thorac Cardiovasc Surg* 2022. PMID: 35643769. doi.org/10.1016/j.jtcvs.2022.04.021

#88) Kaczorowski DJ, Kanwar MK, Molina EJ, Dardas TF, Cogswell R, Rogers JG, Deng L, Cantor RS, Estep JD, Cleveland JC, Gosev I, Sandau KE, McIlvennan C, Pagani FD, and **Cowger JA**. Defining Metrics for Short Term Success After LVAD Implant: An Analysis of the Society of Thoracic Surgeons Intermacs Registry. *J Heart Lung Transplant* 2022; 41(4):S350-S351. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.1436

#89) Kanwar M, Pagani FD, Estep JD, Pinney SP, Silvestry SC, Uriel N, Goldstein DJ, Mehra MR, Cleveland JC, Kormos RL, Wang A, Chuang J, and **Cowger JA**. Variability Across Implanting Centers in Short and Long-Term Mortality and Adverse Events in Patients on HeartMate 3 Support: A Momentum 3 Secondary Analysis. *J Heart Lung Transplant* 2022; 41(4):S120. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.280

#90) Kanwar MK, Pagani FD, Mehra MR, Estep JD, Pinney SP, Silvestry SC, Uriel N, Goldstein DJ, Long J, Cleveland JC, Jr., Kormos RL, Wang A, Chuang J, and **Cowger JA**. Center Variability in Patient Outcomes Following HeartMate 3 Implantation: An Analysis of the MOMENTUM 3 Trial. *J Card Fail* 2022; 28(7):1158-1168. PMID: 35504508. doi.org/10.1016/j.cardfail.2022.04.006

#91) Kapur N, Moses J, Faraz H, George Z, Iyer V, Karas R, Kimmelstiel C, **Koenig G**, Madder R, Meraj P, Kim R, Schreiber T, Wohns D, Udelson J, Stone G, and **O'Neill W**. TCT-34 Reduction of Infarct Size in Anterior ST-Segment Elevation Myocardial Infarction (STEMI) With LAD Occlusion and LV Unloading Using a Micro-axial Pump for 30 Minutes Before PCI: Per-Protocol Analysis of the STEMI Door to Unload (DTU) Pilot Study. *J Am Coll Cardiol* 2022; 80(12):B14-B15. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.047

#92) Kapur NK, Kim RJ, Moses JW, Stone GW, Udelson JE, Ben-Yehuda O, Redfors B, Issever MO, Josephy N, Polak SJ, and **O'Neill WW**. Primary left ventricular unloading with delayed reperfusion in patients with anterior ST-elevation myocardial infarction: Rationale and design of the STEMI-DTU randomized pivotal trial. *Am Heart J* 2022; 254:122-132. PMID: 36058253. doi.org/10.1016/j.ahj.2022.08.011

#93) Karacsonyi J, Deffenbacher K, Benzuly KH, Flaherty JD, **Alaswad K**, **Basir M**, Megaly MS, Jaffer F, Doshi D, Poommipanit P, Khatri J, Patel M, Riley R, Sheikh A, Wollmuth JR, Korngold E, Uretsky BF, Yeh RW, Chandwaney RH, Elguindy AM, Tammam K, AbiRafeh N, Schmidt CW, Okeson B, Kostantinis S, Simsek B, Rangan BV, Brilakis ES, and Schimmel DR. Use of Mechanical Circulatory Support in Chronic

Total Occlusion Percutaneous Coronary Intervention. *Am J Cardiol* 2022; 189:76-85. PMID: 36512989. doi.org/10.1016/j.amjcard.2022.10.049

#94) Karacsonyi J, Kostantinis S, Simsek B, **Alaswad K**, Karpalioitis D, Kirtane A, Jaffer F, Choi JW, Koutouzis M, Tsiafoutis I, Kandzari DE, Poommipanit P, Khatri JJ, Elbarouni B, Gorgulu S, ElGuindy A, Abi Rafeh N, Goktekin O, Ungi I, Rangan BV, Sandoval Y, Allana S, Burke MN, and Brilakis ES. Use of the Limited Antegrade Subintimal Tracking Technique in Chronic Total Occlusion Percutaneous Coronary Intervention. *JACC Cardiovasc Interv* 2022; 15(22):2284-2293. PMID: 36423972. doi.org/10.1016/j.jcin.2022.08.052

#95) Karacsonyi J, Kostantinis S, Simsek B, **Alaswad K**, Karpalioitis D, Kirtane A, McEntegart M, Jaffer F, Choi J, Poommipanit P, Koutouzis M, Tsiafoutis I, Khatri J, Kandzari D, Chandwaney R, Elbarouni B, Gorgulu S, ElGuindy A, Abi-Rafeh N, Goktekin O, Ungi I, Rangan B, Mastrodemos O, Sandoval Y, Allana S, Burke MN, and Brilakis E. TCT-109 Use of Subintimal Tracking and Reentry Technique in Chronic Total Occlusion Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B44-B45. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.132

#96) Karacsonyi J, Simsek B, Kostantinis S, **Alaswad K**, Krestyaninov O, Karpalioitis D, Kirtane A, McEntegart M, Khatri J, Poommipanit P, Jaffer F, Choi J, Mahmud E, Patel M, Koutouzis M, Tsiafoutis I, Elbarouni B, Jaber W, Rinfret S, Jefferson B, Patel T, Gorgulu S, ElGuindy A, Abi-Rafeh N, Goktekin O, Ungi I, Rangan B, Mastrodemos O, Sandoval Y, Allana S, Burke MN, and Brilakis E. TCT-110 Use of Atherectomy in Chronic Total Occlusion Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B45. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.133

#97) Karacsonyi J, Tsiafoutis I, **Alaswad K**, Karpalioitis D, Choi JW, Khatri J, Jaffer FA, Poommipanit P, Patel M, Gorgulu S, Yeh R, Elbarouni B, ElGuindy A, Krestyaninov O, Vemou E, Nikolakopoulos I, Kostantinis S, Simsek B, Rangan BV, Ungi I, Tammam K, Abi Rafeh N, Goktekin O, Brilakis ES, and Koutouzis M. Association of Annual Operator Volume With the Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention. *J Invasive Cardiol* 2022; 34(9):E645-e652. PMID: 35969838.

#98) Kazem A, Al-Darzi W, Gorgis S, Sadiq O, and **Parikh S**. LEFT ATRIAL COMPRESSION FROM ACHALASIA - THE DIAGNOSTIC POWER OF ECHOCARDIOGRAM. *J Am Coll Cardiol* 2022; 79(9):3027. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)04018-9

#99) Kazem A, Mohammed M, Chiang M, Gonzales PE, **Frisoli TM, Villablanca PA, Lee JC, Wang DD**, Wyman JF, **O'Neill BP, O'Neill WW**, and Eng MH. SAFETY AND FEASIBILITY OF TRANSCAVAL APPROACH FOR TRANSCATHETER AORTIC VALVE REPLACEMENTS. *J Am Coll Cardiol* 2022; 79(9):657. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01648-5

#100) Kenneth Sims Rt, Srour N, El Nihum LI, **Hannawi B**, Araujo-Gutierrez R, Cruz-Solbes AS, Trachtenberg BH, Hussain I, Kim JH, Kassi M, Graviss EA, Nguyen DT, Estep J, Bhimaraj A, and Guha A. Tissue plasminogen activator in left ventricular assist device-related intravascular hemolysis after failed augmented anticoagulation. *Int J Artif Organs* 2022; 45(11):391398822115445. PMID: 35941752. doi.org/10.1177/0391398822115445

#101) **Kerrigan DJ, Reddy M**, Walker EM, Cook B, **McCord J**, Loutfi R, Saval MA, Baxter J, **Brawner CA**, and **Keteyian SJ**. Cardiac Rehabilitation Improves Fitness in Patients With Subclinical Markers of Cardiotoxicity While Receiving Chemotherapy: A RANDOMIZED CONTROLLED STUDY. *J Cardiopulm Rehabil Prev* 2022. PMID: 35940850. doi.org/10.1097/hcr.0000000000000719

#102) **Keteyian SJ**, Jackson SL, Chang A, **Brawner CA**, Wall HK, Forman DE, Sukul D, Ritchey MD, and Sperling LS. Tracking Cardiac Rehabilitation Utilization in Medicare Beneficiaries: 2017 UPDATE. *J Cardiopulm Rehabil Prev* 2022; 42(4):235-245. PMID: 35135961. doi.org/10.1097/hcr.0000000000000675

#103) **Keteyian SJ**, and **Michaels A**. Heart Failure in Cardiac Rehabilitation: A REVIEW AND PRACTICAL CONSIDERATIONS. *J Cardiopulm Rehabil Prev* 2022; 42(5):296-303. PMID: 35836338. doi.org/10.1097/hcr.0000000000000713

#104) Khalil M, Maqsood MH, **Basir M**, Saad M, Yassa G, Hakam L, Hennawy B, El Etriby S, Garcia S, Brilakis E, **Alaswad K**, and Megaly M. Invasive Versus Conservative Strategy in Elderly Patients With Non-ST-Segment Elevation Myocardial Infarction: A Meta-analysis of Randomized Controlled Trials. *J Am Coll Cardiol* 2022; 80(12):B3. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.015

#105) Khalil M, Maqsood MH, **Basir MB**, Saad M, Yassa G, Hakam L, Abraham J, Hennawy BS, Etriby SE, Ribeiro MH, Ong K, Garcia S, Brilakis ES, **Alaswad K**, and Megaly M. Meta-Analysis on Invasive Versus Conservative Strategy in Patients Older

Than Seventy Years With Non-ST Elevation Myocardial Infarction. *Am J Cardiol* 2022; 186:66-70. PMID: 36347067. doi.org/10.1016/j.amjcard.2022.10.011

#106) Kodali S, Hahn RT, George I, Davidson CJ, Narang A, Zahr F, Chadderdon S, Smith R, Grayburn PA, **O'Neill WW, Wang DD**, Herrmann H, Silvestry F, Elmariah S, Inglessis I, Passeri J, Lim DS, Salerno M, Makar M, Mack MJ, Leon MB, and Makkar R. Transfemoral Tricuspid Valve Replacement in Patients With Tricuspid Regurgitation: TRISCEND Study 30-Day Results. *JACC Cardiovasc Interv* 2022; 15(5):471-480. PMID: 35272771. doi.org/10.1016/j.jcin.2022.01.016

#107) Koechlin L, Boeddinghaus J, Nestelberger T, Lopez Ayala P, Shrestha S, Wussler D, Haeni N, Walter J, Twerenbold R, Eckstein F, Reuthebuch O, **McCord J**, Nowak R, Christenson R, DeFilippi C, Apple F, and Mueller C. Lower diagnostic accuracy of hs-cTnI in patients with prior coronary artery bypass grafting. *Swiss Med Weekly* 2022; 152:10S-11S. PMID: Not assigned.

#108) Koechlin L, Boeddinghaus J, Nestelberger T, Lopez-Ayala P, Shrestha S, Wussler D, Haeni N, Walter JE, Twerenbold R, Eckstein FS, Reuthebuch O, **McCord J**, Nowak RM, Christenson RH, DeFilippi CR, Apple FS, and Mueller C. Lower diagnostic accuracy of hs-cTnI in patients with prior coronary artery bypass grafting. *Int J Cardiol* 2022; 354:1-6. PMID: 35189168. doi.org/10.1016/j.ijcard.2022.02.025

#109) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K, Basir MB**, Megaly M, Gorgulu S, Krestyaninov O, Khelimskii D, Davies RE, Benton SM, Khatri JJ, ElGuindy AM, Goktekin O, Abi Rafeh N, Allana S, Brilakis ES, and Prasad M. Gender differences in chronic total occlusion percutaneous coronary interventions: Insights from the PROGRESS-CTO registry. *Catheter Cardiovasc Interv* 2022; 100(6):1010-1018. PMID: 36284458. doi.org/10.1002/ccd.30425

#110) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Jaffer F, Khatri J, Choi J, Jaber W, Rinfret S, Nicholson W, Patel M, Mahmud E, Toma C, Davies R, Kerrigan J, Haddad E, Gorgulu S, ElGuindy A, Goktekin O, Allana S, Burke MN, Mastrodemos O, Rangan B, and Brilakis E. TCT-170 Development and Validation of a Scoring System for Predicting Clinical Coronary Artery Perforation During Percutaneous Coronary Interventions of Chronic Total Occlusions: The PROGRESS-CTO Perforation Score. *J Am Coll Cardiol* 2022; 80(12):B68. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.199

#111) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Jaffer FA, Khatri JJ, Choi JW, Jaber WA, Rinfret S, Nicholson W, Patel MP, Mahmud E, Toma C, Davies RE, Kerrigan JL, Haddad EV, Gorgulu S, Abi-Rafeh N, ElGuindy AM, Goktekin O, Allana S, Burke MN, Mastrodemos OC, Rangan BV, and Brilakis E. Development and validation of a scoring system for predicting clinical coronary artery perforation during percutaneous coronary intervention of chronic total occlusions: the PROGRESS-CTO perforation score. *EuroIntervention* 2022. PMID: 36281650. doi.org/10.4244/eij-d-22-00593

#112) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Karpaliotis D, Jaffer FA, Khatri JJ, Poommipanit P, Choi JW, Jaber WA, Rinfret S, Nicholson W, Patel MP, Mahmud E, Dattilo P, Gorgulu S, Koutouzis M, Tsiafoutis I, Elbarouni B, Sheikh AM, Uretsky BF, ElGuindy AM, Jefferson BK, Patel TN, Wollmuth J, Riley RF, Benton SM, Jr., Davies RE, Chandwaney RH, Toma C, Yeh RW, Schimmel DR, Abi Rafeh N, Goktekin O, Kerrigan JL, Mastrodemos OC, Rangan BV, Garcia S, Sandoval Y, Burke MN, and Brilakis E. In-hospital outcomes and temporal trends of percutaneous coronary interventions for chronic total occlusion. *EuroIntervention* 2022; 18(11):e929-e932. PMID: 36065983. doi.org/10.4244/eij-d-22-00599

#113) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Karpaliotis D, Jaffer FA, Khatri JJ, Poommipanit P, Jaber WA, Rinfret S, Nicholson W, Patel MP, Mahmud E, Koutouzis M, Tsiafoutis I, Benton SM, Jr., Davies RE, Toma C, Kerrigan JL, Haddad EV, Abi-Rafeh N, ElGuindy AM, Goktekin O, Mastrodemos OC, Rangan BV, Burke MN, and Brilakis ES. Incidence, Mechanisms, Treatment, and Outcomes of Coronary Artery Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention. *Am J Cardiol* 2022; 182:17-24. PMID: 36028387. doi.org/10.1016/j.amjcard.2022.07.004

#114) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Megaly M, Jaffer F, Khatri J, Poommipanit P, Davies R, Rinfret S, Elbarouni B, Ybarra L, Sheikh A, Toma C, Chandwaney R, Goktekin O, ElGuindy A, Mastrodemos O, Rangan B, Burke MN, and Brilakis E. TCT-128 Saphenous Vein Graft Occlusion Following Native Vessel Chronic Total Occlusion Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B53. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.732

#115) Kostantinis S, Simsek B, Karacsonyi J, **Alaswad K**, Megaly M, Krestyaninov O, Khelimskii D, Jaffer F, Khatri J, Poommipanit P, Patel M, Mahmud E, Koutouzis M, Tsiafoutis I, Gorgulu S, Elbarouni B, Nicholson W, Jaber W, Rinfret S, Goktekin O, ElGuindy A, Sandoval Y, Burke MN, Allana S, Rangan B, and Brilakis E. TCT-117

Impact of Proximal Cap Ambiguity on the Outcomes of Chronic Total Occlusion Intervention: Insights From the PROGRESS-CTO Registry. *J Am Coll Cardiol* 2022; 80(12):B48-B49. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.141

#116) Kostantinis S, Simsek B, Karacsonyi J, Davies RE, Benton S, Nicholson W, Rinfret S, Jaber WA, Raj L, Sandesara PB, **Alaswad K, Basir MB**, Megaly M, Khatri JJ, Young LD, Jaffer FA, Abi Rafeh N, Patel MP, Kerrigan JL, Haddad EV, Dattilo P, Sandoval Y, Schimmel DR, Sheikh AM, ElGuindy AM, Goktekin O, Mastrodemos OC, Rangan BV, Burke MN, and Brilakis ES. Intravascular lithotripsy in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheter Cardiovasc Interv* 2022; 100(4):512-519. PMID: 35916076. doi.org/10.1002/ccd.30354

#117) Kunkel K, Brice L, Arnautovic J, Kaushik M, Desai P, **Alaswad K, and Basir MB**. Safety and Efficacy of Aminophylline in the Prevention of Bradyarrhythmias During Coronary Atherectomy. *Cardiovasc Revasc Med* 2022; 40:40. PMID: Not assigned. doi.org/10.1016/j.carrev.2022.06.082

#118) Kunkel K, Brice L, Arnautovic J, Kaushik M, Desai P, **Alaswad K, and Basir MB**. CRT-100.62 Safety and Efficacy of Aminophylline in the Prevention of Bradyarrhythmias During Coronary Atherectomy. *JACC: Cardiovasc Interventions* 2022; 15(4):S17. PMID: Not assigned. doi.org/10.1016/j.jcin.2022.01.118

#119) Kunkel KJ, Lemor A, Mahmood S, **Villablanca P**, and Ramakrishna H. 2021 Update for the Diagnosis and Management of Acute Coronary Syndromes for the Perioperative Clinician. *J Cardiothorac Vasc Anesth* 2022; 36(8 Pt A):2767-2779. PMID: 34400062. doi.org/10.1053/j.jvca.2021.07.032

#120) Kyriakopoulos CP, Taleb I, Ijaz N, Demertzis Z, Peruri A, Wever-Pinzon O, Koliopoulou AG, Bonios MJ, Hanff TC, Dranow E, Giannouchos TV, Sideris K, Nelson M, Elmer A, Tang D, Neme H, Stehlik J, Fang JC, Selzman CH, Alharethi R, Caine W, **Cowger J**, Shah P, and Drakos SG. Multicenter Development and Validation of a Machine Learning Risk Model to Predict Right Ventricular Failure Following Mechanical Circulatory Support: The STOP-RVF Score. *Circulation* 2022; 146. PMID: Not assigned. doi.org/10.1161/circ.146.suppl_1.11629

#121) **Lanfeard D**, Luzum J, She R, Gui H, Sanders-VanWijk S, Maeder M, Zeld N, **Sabbah H**, Li J, Brunner-LaRocca HP, and Williams LK. Polygenic Score For Beta-blocker Survival Benefit In Heart Failure With Preserved Ejection Fraction Patients. *J*

Card Fail 2022; 28(5):S79. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.03.200

#122) **Lanfeard DE**, Luzum J, She R, Li J, Liu B, Peterson E, and Williams LK. VALIDATION OF POLYGENIC SCORE FOR BETA-BLOCKER SURVIVAL BENEFIT IN HEART FAILURE USING THE UNITED KINGDOM BIOBANK. *J Am Coll Cardiol* 2022; 79(9):228. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01219-0

#123) **Lanfeard DE**, and Reza N. Myosin-Related Dilated Cardiomyopathy: Another Elephant Emerges From Darkness. *J Am Coll Cardiol* 2022; 80(15):1462-1464. PMID: 36202535. doi.org/10.1016/j.jacc.2022.08.749

#124) Lansky AJ, Tirziu D, Moses JW, Pietras C, Ohman EM, **O'Neill WW**, Ekono MM, Grines CL, and Parise H. Impella Versus Intra-Aortic Balloon Pump for High-Risk PCI: A Propensity-Adjusted Large-Scale Claims Dataset Analysis. *Am J Cardiol* 2022; 185:29-36. PMID: 36210212. doi.org/10.1016/j.amjcard.2022.08.032

#125) Lee Y, Jehangir Q, Lin CH, Li P, Krishnamoorthy G, Sule A, Apala D, Halabi AR, Patel K, **Wang DD**, Poisson L, and Nair GB. RISK FACTORS OF ARTERIAL THROMBOEMBOLISM IN HOSPITALIZED COVID-19 PATIENTS: A MULTICENTER COHORT STUDY. *J Am Coll Cardiol* 2022; 79(9):1842. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)02833-9

#126) Lemor A, **Alrayes H, Basir MB**, Aurora L, and **Cowger J**. Outcomes, Temporal Trends, And Resource Utilization In Ischemic Vs Non-ischemic Cardiogenic Shock. *J Card Fail* 2022; 28(5):S39. PMID: Not assigned. doi.org/10.1016/j.cardfail.2022.03.105

#127) Lemor A, **Basir MB, O'Neill BP, Cowger J, Frisoli T, Lee JC, Wang DD, Alaswad K, O'Neill W**, and **Villablanca PA**. Left Atrial-Veno-Arterial Extracorporeal Membrane Oxygenation: Step-By-Step Procedure and Case Example. *Struct Heart* 2022; 6(6). PMID: Not assigned. doi.org/10.1016/j.shj.2022.100117

#128) Lemor A, Dabbagh MF, Cohen D, **Villablanca P**, Tehrani B, **Alaswad K, Alqarqaz M**, Lasorda D, Kaki A, Genereux P, **O'Neill W**, and **Basir MB**. Rates and impact of vascular complications in mechanical circulatory support. *Catheter Cardiovasc Interv* 2022; 99(5):1702-1711. PMID: 35266287. doi.org/10.1002/ccd.30150

#129) Li P, Lee Y, Jehangir Q, Lin C, Krishnamoorthy G, Sule A, Apala D, Halabi A, Patel K, **Wang D**, Poisson L, and Nair G. Arterial thromboembolism risk assessment model in hospitalized COVID-19 patients. *Res Pract Thromb Haemost* 2022; 6. PMID: Not assigned. doi.org/10.1002/rth2.12787

#130) Lim DS, Smith RL, Gillam LD, Zahr F, Chadderdon S, Makkar R, Stephan von Bardeleben R, Kipperman RM, Rassi AN, Szerlip M, Goldman S, Inglessis-Azuaje I, Yadav P, Lurz P, Davidson CJ, Mumtaz M, Gada H, Kar S, Kodali SK, Laham R, Hiesinger W, Fam NP, Keßler M, **O'Neill WW**, Whisenant B, Kliger C, Kapadia S, Rudolph V, Choo J, Hermiller J, Morse MA, Schofer N, Gafoor S, Latib A, Koulogiannis K, Marcoff L, and Hausleiter J. Randomized Comparison of Transcatheter Edge-to-Edge Repair for Degenerative Mitral Regurgitation in Prohibitive Surgical Risk Patients. *JACC Cardiovasc Interv* 2022; 15(24):2523-2536. PMID: 36121247. doi.org/10.1016/j.jcin.2022.09.005

#131) Limkakeng AT, Jr., Hertz J, Lerebours R, Kuchibhatla M, **McCord J**, Singer AJ, Apple FS, Peacock WF, Christenson RH, and Nowak RM. Ideal high sensitivity troponin baseline cutoff for patients with renal dysfunction. *Am J Emerg Med* 2022; 56:323-324. PMID: 34482998. doi.org/10.1016/j.ajem.2021.08.066

#132) Louis DW, Kennedy KF, Saad M, Salber G, Imran H, Wark T, Soares C, Ghosalkar D, Cherala R, Poppas A, Abbott JD, and **Aronow HD**. Preadmission Oral Anticoagulation for Atrial Fibrillation/Flutter and Death or Thrombotic Events During COVID-19 Admission. *Am J Cardiol* 2022; 181:38-44. PMID: 35970632. doi.org/10.1016/j.amjcard.2022.07.006

#133) Mahmood S, Almajed M, Nona P, and **Villablanca PA**. NEUROLOGIC COMPLICATIONS OF TRANSAXILLARY ACCESS IN TAVR - A CASE OF POSTPROCEDURAL ULNAR AND MEDIAN NERVE INJURY. *J Am Coll Cardiol* 2022; 79(9):2952. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)03943-2

#134) Mahmood S, Gelovani D, Gupta K, Chiang M, Engel-Gonzales P, **Frisoli TM**, **Villablanca PA**, **Lee JC**, **Wang DD**, Wyman JF, **O'Neill BP**, **O'Neill W**, and Eng MH. SURVIVAL OF PATIENTS WITH RHEUMATIC AND NON-RHEUMATIC MITRAL VALVE STENOSIS AFTER VALVULOPLASTY. *J Am Coll Cardiol* 2022; 79(9):880. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01871-X

#135) **Maskoun W**, Raad M, Cha YM, Houmsse M, Abualsuod A, Ezzeddine F, Pieper J, Jamoor K, **Tita C**, and Miller J. Implantable cardioverter defibrillators in patients

with orthotopic heart transplant: A multicenter case series. *J Cardiovasc Electrophysiol* 2022; 33(8):1813-1822. PMID: 35671363. doi.org/10.1111/jce.15588

#136) Mathew RO, Sidhu MS, Rihal CS, Lennon R, El-Hajjar M, Yager N, Lyubarova R, **Abdul-Nour K**, Weitz S, O'Coilain DF, Murthy V, Levisay J, Marzo K, Graham J, Dzavik V, So D, Goodman S, Rosenberg YD, Pereira N, and Farkouh ME. Safety and Efficacy of CYP2C19 Genotype-Guided Escalation of P2Y(12) Inhibitor Therapy After Percutaneous Coronary Intervention in Chronic Kidney Disease: a Post Hoc Analysis of the TAILOR-PCI Study. *Cardiovasc Drugs Ther* 2022. PMID: 36445624. doi.org/10.1007/s10557-022-07392-2

#137) McCarthy S, Molina E, Neme H, Chaudhry S, Pinney S, Srivastava A, Grinstein J, Hackett I, and **Cowger JA**. Characterizing Outflow Graft Narrowing over Time. *J Heart Lung Transplant* 2022; 41(4):S138. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.325

#138) **McCord J**, Gibbs J, **Hudson M**, Moyer M, Jacobsen G, Murtagh G, and Nowak R. Machine Learning to Assess for Acute Myocardial Infarction within 30 Minutes. *Crit Pathw Cardiol* 2022; 21(2):67-72. PMID: 35190507. doi.org/10.1097/hpc.000000000000281

#139) **McCord JK**, Cook B, **Gandolfo C**, **Parikh S**, Klausner H, **Abdul-Nour K**, Lewandowski A, **Hudson MP**, Perrotta GS, **Zweig B**, Gunaga S, **Lanfear DE**, **Gindi R**, Levy PD, Mills NL, Mahler S, **Kim HE**, Danagoulain S, Tang A, Nassereddine H, Oudeif A, Malette K, Krupp S, Keerie C, and Miller J. RACE-IT- RAPID MYOCARDIAL INFARCTION EXCLUSION USING AN ACCELERATED HIGH-SENSITIVITY CARDIAC TROPONIN I PROTOCOL: A PROSPECTIVE TRIAL. *J Am Coll Cardiol* 2022; 79(9):951. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)01942-8

#140) Megaly M, **Basir MB**, Brilakis E, and **Alaswad K**. Side Power Knuckle and Antegrade-Antegrade Dissection Re-Entry: Techniques to Overcome Difficulties in Chronic Occlusion Revascularization. *JACC Cardiovasc Interv* 2022; 15(1):e13-e15. PMID: 34991829. doi.org/10.1016/j.jcin.2021.10.008

#141) Megaly M, **Basir MB**, Brilakis E, and **Alaswad K**. Extra-stent subintimal plaque modification; a novel technique to overcome resistant stent underexpansion. *Cardiovasc Revasc Med* 2022; 40S:276-278. PMID: 35410847. doi.org/10.1016/j.carrev.2022.03.033

#142) Megaly M, **Basir MB**, Brilakis E, and **Alaswad K**. Wire Entrapment and Unraveling in the Aorta: Snaring Technique for the Nonvisible Filament. *JACC Cardiovasc Interv* 2022; 15(2):e21-e22. PMID: 34973909. doi.org/10.1016/j.jcin.2021.10.006

#143) Megaly M, Buda K, **Alaswad K**, Brilakis ES, Dupont A, Naidu S, Ohman M, Napp LC, **O'Neill W**, and **Basir MB**. Comparative Analysis of Patient Characteristics in Cardiogenic Shock Studies: Differences Between Trials and Registries. *JACC Cardiovasc Interv* 2022; 15(3):297-304. PMID: 35144785. doi.org/10.1016/j.jcin.2021.11.036

#144) Megaly M, Buda K, **Basir M**, Mashayekhi K, Rinfret S, McEntegart M, Azzalini L, **Alaswad K**, and Brilakis E. TCT-121 Extraplaque Versus Intraplaque Tracking in Chronic Total Occlusion Percutaneous Coronary Intervention. *J Am Coll Cardiol* 2022; 80(12):B50-B51. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.145

#145) Megaly M, Buda K, Karacsonyi J, Kostantinis S, Simsek B, **Basir MB**, Mashayekhi K, Rinfret S, McEntegart M, Yamane M, Azzalini L, **Alaswad K**, and Brilakis ES. Extraplaque versus intraplaque tracking in chronic total occlusion percutaneous coronary intervention. *Catheter Cardiovasc Interv* 2022; 100(6):1021-1029. PMID: 36168859. doi.org/10.1002/ccd.30403

#146) Megaly M, Buda K, Mashayekhi K, Werner G, Grantham JA, Rinfret S, McEntegart M, Brilakis E, and **Alaswad K**. TCT-118 Comparative Analysis of Patients' Characteristics in Chronic Total Occlusion Revascularization Studies: Trials Versus Real-World Registries. *J Am Coll Cardiol* 2022; 80(12):B49. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.775

#147) Megaly M, Buda K, Mashayekhi K, Werner GS, Grantham JA, Rinfret S, McEntegart M, Brilakis ES, and **Alaswad K**. Comparative Analysis of Patient Characteristics in Chronic Total Occlusion Revascularization Studies: Trials vs Real-World Registries. *JACC Cardiovasc Interv* 2022; 15(14):1441-1449. PMID: 35863793. doi.org/10.1016/j.jcin.2022.05.023

#148) Megaly M, Buda K, Saad M, Tawadros M, Elbadawi A, **Basir M**, Abbott JD, Rinfret S, **Alaswad K**, and Brilakis ES. Outcomes With Drug-Coated Balloons vs. Drug-Eluting Stents in Small-Vessel Coronary Artery Disease. *Cardiovasc Revasc Med* 2022; 35:76-82. PMID: 33858783. doi.org/10.1016/j.carrev.2021.03.008

#149) Megaly M, Morcos R, Kucharik M, Tawadros M, **Basir MB**, Pershad A, Maini B, Khalili H, **Alaswad K**, and Brilakis ES. Complications and Failure Modes of Polymer-Jacketed Guidewires; Insights From the MAUDE Database. *Cardiovasc Revasc Med* 2022; 36:132-135. PMID: 33958304. doi.org/10.1016/j.carrev.2021.04.027

#150) Megaly M, Sedhom R, Elbadawi A, Buda K, **Basir MB**, Garcia S, Brilakis ES, Rinfret S, and **Alaswad K**. Trends and Outcomes of Myocardial Infarction in Patients With Previous Coronary Artery Bypass Surgery. *Am J Cardiol* 2022; 179:11-17. PMID: 35870988. doi.org/10.1016/j.amjcard.2022.06.002

#151) Megaly M, Zakhour S, Karacsonyi J, **Basir M**, Kunkel K, Simsek B, Kostantinis S, Mashayekhi K, Kandzari D, Brilakis E, and **Alaswad K**. TCT-126 Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention of the Left Anterior Descending Artery. *J Am Coll Cardiol* 2022; 80(12):B52. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.730

#152) Mehra MR, Goldstein DJ, Cleveland JC, **Cowger JA**, Hall S, Salerno CT, Naka Y, Horstmanshof D, Chuang J, Wang A, and Uriel N. Five-Year Outcomes in Patients With Fully Magnetically Levitated vs Axial-Flow Left Ventricular Assist Devices in the MOMENTUM 3 Randomized Trial. *Jama* 2022; 328(12):1233-1242. PMID: 36074476. doi.org/10.1001/jama.2022.16197

#153) Mehra MR, Nayak A, Morris A, **Lanfear DE**, Nemeh H, Desai S, Bansal A, Guerrero-Miranda C, Hall S, Cleveland JC, Goldstein DJ, Uriel N, Chen L, Bailey S, Anyanwu A, Heatley G, Chuang J, and Estep JD. Development and Validation of a Personalized Risk Score for Prediction of Patient-Specific Clinical Experiences with HeartMate 3 LVAD Implantation: An Analysis from the MOMENTUM 3 Trial Portfolio. *J Heart Lung Transplant* 2022; 41(4):S23-S24. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.050

#154) Mehra MR, Nayak A, Morris AA, **Lanfear DE**, Nemeh H, Desai S, Bansal A, Guerrero-Miranda C, Hall S, Cleveland JC, Jr., Goldstein DJ, Uriel N, Chen L, Bailey S, Anyanwu A, Heatley G, Chuang J, and Estep JD. Prediction of Survival After Implantation of a Fully Magnetically Levitated Left Ventricular Assist Device. *JACC Heart Fail* 2022; 10(12):948-959. PMID: 36456068. doi.org/10.1016/j.jchf.2022.08.002

#155) Miller J, Gunaga S, Krupp S, Klausner H, Plemmons E, Nasserredine H, Tuttle J, Husain A, Cook B, and **McCord J**. Comparing the Safety and Efficacy of a Rapid High-

Sensitivity Cardiac Troponin I Protocol Between Hospital-Based and Free-Standing Emergency Departments. *Ann Emerg Med* 2022; 80(4):S26-S26. PMID: Not assigned.

#156) Miller J, House S, Michelson E, Clark C, and **O'Neil B**. Outcome Study of Mild Traumatic Brain Injury Patients Integrating a Brain Electrical Activity-Based Decision Rule. *Ann Emerg Med* 2022; 80(4):S10-S10. PMID: Not assigned.

#157) Miller J, Nassereddine H, Jennings K, Connor S, **Modi S**, Yan J, **McCord J**, Cook B, and Danagoulouian S. 90 Economic Impact: A Cluster Randomized Trial of a Rapid, High-Sensitivity Cardiac Troponin I Protocol. *Ann Emerg Med* 2022; 80(4):S45. PMID: Not assigned. doi.org/10.1016/j.annemergmed.2022.08.113

#158) Mohammed M, Nona P, Abou Asala E, Chiang M, Lemor A, **O'Neill BP**, **Frisoli T**, **Lee J**, **Wang DD**, **O'Neill WW**, Eng M, and **Villablanca PA**. Preclosure of large bore venous access sites in patients undergoing transcatheter mitral replacement and repair. *Catheter Cardiovasc Interv* 2022; 100(1):163-168. PMID: 35568977. doi.org/10.1002/ccd.30229

#159) Mohananey D, Aljadah M, Smith AAH, Haines JF, Patel S, **Villablanca P**, and Ramakrishna H. The 2020 ACC/AHA Guidelines for Management of Patients With Valvular Heart Disease: Highlights and Perioperative Implications. *J Cardiothorac Vasc Anesth* 2022; 36(5):1467-1476. PMID: 34011447. doi.org/10.1053/j.jvca.2021.04.013

#160) Mohananey D, **Villablanca P**, Nunez-Gil I, and Ramakrishna H. Percutaneous Intervention and In-Hospital Mortality: A Contemporary Risk-Prediction Model. *J Cardiothorac Vasc Anesth* 2022; 36(2):356-357. PMID: 34635379. doi.org/10.1053/j.jvca.2021.08.102

#161) Moles VM, and **Grafton G**. Pulmonary Hypertension in Heart Failure with Preserved Ejection Fraction. *Cardiol Clin* 2022; 40(4):533-540. PMID: 36210136. doi.org/10.1016/j.ccl.2022.06.007

#162) Molina EJ, **Cowger J**, Lee S, Horstmanshof D, Cleveland JC, Jr., Goldstein DJ, Mehra MR, Uriel N, Salerno CT, Bourque K, Chuang J, and Naka Y. Outcomes in Smaller Body Size Adults after HeartMate 3 Left Ventricular Assist Device Implantation. *Ann Thorac Surg* 2022; 114(6):2262-2269. PMID: 35452663. doi.org/10.1016/j.athoracsur.2022.03.071

#163) **Mshelbwala FS**, and **Ananthasubramaniam K**. All that glitters is not sarcoidosis: Importance of systematic review of (18)F-FDG-PET data and integration of clinical information. *J Nucl Cardiol* 2022. PMID: 35411429. doi.org/10.1007/s12350-022-02956-z

#164) Napp LC, Westenfeld R, Møller JE, Pappalardo F, Ibrahim K, Bonello L, Wilkins C, Pershad A, Mannino SF, Schreiber TL, Hall PA, Medjamia AM, Haurand JM, Sieweke JT, Schäfer A, Grines CL, Burkhoff D, Moses JW, Ohman EM, **O'Neill WW**, Kapur NK, and Bauersachs J. Impella Mechanical Circulatory Support for Takotsubo Syndrome With Shock: A Retrospective Multicenter Analysis. *Cardiovasc Revasc Med* 2022; 40:113-119. PMID: 34916157. doi.org/10.1016/j.carrev.2021.11.018

#165) Nayak A, Hu Y, Patel KJ, Ko Y, Okoh AK, Wang J, Mehta A, Liu C, Pennington J, Xie R, Kirklin JK, Kormos RL, Simon MA, **Cowger J**, and Morris AA. Machine Learning Algorithms Identify Distinct Phenotypes of Right Heart Failure After Left Ventricular Assist Device Implant. *J Heart Lung Transplant* 2022; 41(4):S39. PMID: Not assigned. doi.org/10.1016/j.healun.2022.01.089

#166) Nelson RK, Walker EM, **Keyetian SJ**, and Kerrigan DJ. Impact Of Supervised Exercise Training On Cardiorespiratory Fitness Among Black/African American And Caucasian Breast Cancer Patients: A Preliminary Analysis. *J Cardiopulm Rehabil Prevention* 2022; 42(5):E64. PMID: Not assigned. doi.org/10.1097/HCR.0000000000000740

#167) Newman AB, Basen-Engquist K, Gilchrist SC, Nohria A, Kerrigan D, **Keteyian SJ**, Schmitz KH, and Ligibel JA. Exercise and Cardio-Oncology Rehab. *Curr Treat Options Cardiovasc Med* 2022; 24(11):183-197. PMID: Not assigned. doi.org/10.1007/s11936-022-00968-z

#168) Nikolakopoulos I, Vemmou E, Karacsonyi J, **Alaswad K**, Karpaliotis D, Rafeh NA, Schimmel D, Benzuly K, Flaherty JD, Poomipanit P, ElGuindy AM, Nicholas Burke M, and Brilakis ES. Percutaneous Coronary Intervention of Chronic Total Occlusions Involving a Bifurcation: Insights from the PROGRESS-CTO Registry. *Hellenic J Cardiol* 2022; 66:80-83. PMID: 35247542. doi.org/10.1016/j.hjc.2022.02.005

#169) Nona P, and **Russell C**. Cardio-Rheumatology: Prevention of Cardiovascular Disease in Inflammatory Disorders. *Med Clin North Am* 2022; 106(2):349-363. PMID: 35227435. doi.org/10.1016/j.mcna.2021.11.010

#170) O'Connor RA, **Patel V**, Lang V, and Brima W. Systemic Inflammatory Response Syndrome from Nitrofurantoin: A Case Report. *Am J Case Rep* 2022; 23:e935113. PMID: 35292615. doi.org/10.12659/ajcr.935113

#171) **O'Neill WW**, Anderson M, Burkhoff D, Grines CL, Kapur NK, Lansky AJ, Mannino S, McCabe JM, **Alaswad K**, Daggubati R, Wohns D, Meraj PM, Pinto DS, Popma JJ, Moses JW, Schreiber TL, and Magnus Ohman E. Improved Outcomes in Patients with Severely Depressed LVEF Undergoing Percutaneous Coronary Intervention with Contemporary Practices: Impella-Supported High-Risk Percutaneous Coronary Intervention in Patients with Severely Depressed LVEF. *Am Heart J* 2022; 248:139-149. PMID: 35192839. doi.org/10.1016/j.ahj.2022.02.006

#172) **O'Neill WW**, **Wang DD**, Polak S, Moses JW, Josephy N, **Koenig G**, Kim RJ, Lansky A, Bellumkonda L, Douglas PS, and Kapur NK. Left Ventricular Remodeling After Anterior-STEMI PCI: Imaging Observations in the Door-to-Unload (DTU) Pilot Trial. *J Invasive Cardiol* 2022; 34(8):E611-e619. PMID: 35830361.

#173) Ortega-Paz L, Talasaz AH, Sadeghipour P, Potpara TS, **Aronow HD**, Jara-Palomares L, Sholzberg M, Angiolillo DJ, Lip GYH, and Bikdeli B. COVID-19-Associated Pulmonary Embolism: Review of the Pathophysiology, Epidemiology, Prevention, Diagnosis, and Treatment. *Semin Thromb Hemost* 2022. PMID: 36223804. doi.org/10.1055/s-0042-1757634

#174) Pack QR, Shea M, **Brawner CA**, Headley S, Hutchinson J, Madera H, and **Keteyian SJ**. Exercise Prescription Methods and Attitudes in Cardiac Rehabilitation: A NATIONAL SURVEY. *J Cardiopulm Rehabil Prev* 2022; 42(5):359-365. PMID: 35185145. doi.org/10.1097/hcr.0000000000000680

#175) Pan G, Roy B, Giri S, **Lanfear DE**, Thandavarayan RA, Guha A, Ortiz PA, and Palaniyandi SS. Aldehyde Dehydrogenase 2 Activator Augments the Beneficial Effects of Empagliflozin in Mice with Diabetes-Associated HFpEF. *Int J Mol Sci* 2022; 23(18). PMID: 36142350. doi.org/10.3390/ijms231810439

#176) Qintar M, **Wang DD**, **Lee J**, **Villablanca P**, Eng MH, **Frisoli T**, **O'Neill BP**, and **O'Neill WW**. Transcatheter vacuum-assisted left-sided mass extraction with the AngioVac system. *Catheter Cardiovasc Interv* 2022; 100(4):628-635. PMID: 35900207. doi.org/10.1002/ccd.30345

#177) Raad M, Miletic K, **Khan A**, and **Maskoun W**. A hybrid subcutaneous and epicardial biventricular implantable cardiac defibrillator with an abdominal generator. *HeartRhythm Case Rep* 2022; 8(9):655-657. PMID: 36147718. doi.org/10.1016/j.hrcre.2022.07.002

#178) Ranka S, Lahan S, Chhatrwalla AK, Allen KB, Chiang M, **O'Neill BP**, Verma S, **Wang DD**, **Lee J**, **Frisoli T**, Eng M, Bagur R, **O'Neill W**, and **Villablanca P**. Network Meta-Analysis Comparing the Short- and Long-Term Outcomes of Alternative Access for Transcatheter Aortic Valve Replacement. *Cardiovasc Revasc Med* 2022; 40:1-10. PMID: 34972667. doi.org/10.1016/j.carrev.2021.11.040

#179) Rao VN, Kaltenbach LA, Granger BB, Fonarow GC, Al-Khalidi HR, Albert NM, Butler J, Allen LA, **Lanfear DE**, Ariely D, Miller JM, Brodsky MA, LaLonde TA, Lafferty JC, Granger CB, Hernandez AF, and DeVore AD. The Association of Digital Health Application Use with Heart Failure Care and Outcomes: Insights from CONNECT-HF. *J Card Fail* 2022; 28(10):1487-1496. PMID: 35905867. doi.org/10.1016/j.cardfail.2022.07.050

#180) **Sabbah HN**, Zhang K, Xu J, Gupta RC, Nguyen N, and Adams J. Intravenous infusion of the beta-3 adrenergic receptor antagonist APD418 improves left ventricular function in dogs with systolic heart failure despite long-term therapy with beta-blockers. *Eur J Heart Fail* 2022; 24:104-104. PMID: Not assigned.

#181) Salerno CT, Hayward C, Hall S, Goldstein D, Saeed D, Schmitto J, Kaczorowski D, Molina E, Zimpfer D, Tsui S, Soltesz E, Pham DT, Mokadam NA, Kilic A, Davis E, Feller E, Lorts A, Silvestry S, Slaughter MS, Potapov E, Atluri P, **Cowger J**, and Pagani FD. HVAD to HeartMate 3 left ventricular assist device exchange: Best practices recommendations. *Eur J Cardiothorac Surg* 2022; 62(1). PMID: 35325091. doi.org/10.1093/ejcts/ezac169

#182) Sattar Y, **Aronow HD**, and Alam M. Drug-Coated Balloon Failure Following Femoro-Popliteal Intervention: Where to Draw the Line? *J Am Coll Cardiol* 2022; 80(13):1251-1253. PMID: 36137675. doi.org/10.1016/j.jacc.2022.08.002

#183) Sedhom R, Cortese B, Khedr M, Bharadwaj A, Brilakis ES, Pershad A, **Basir MB**, **Alaswad K**, Yeh RW, and Megaly M. Utilization of Non-Drug-Eluting Devices for Inpatient Percutaneous Coronary Intervention in the United States. *Am J Cardiol* 2023; 186:209-215. PMID: 36328830. doi.org/10.1016/j.amjcard.2022.09.033

#184) Selvaraj S, Fu Z, Jones P, Kwee LC, Windsor SL, Ilkayeva O, Newgard CB, Margulies KB, Husain M, Inzucchi SE, McGuire DK, Pitt B, Scirica BM, **Lanfear DE**, Nassif ME, Javaheri A, Mentz RJ, Kosiborod MN, and Shah SH. Metabolomic Profiling of the Effects of Dapagliflozin in Heart Failure with Reduced Ejection Fraction: DEFINE-HF. *Circulation* 2022; 146(11):808-818. PMID: 35603596. doi.org/10.1161/circulationaha.122.060402

#185) Shamaa O, Suresh S, Mendiratta V, **Parikh S**, and Salgia RJ. SAFETY OF TRANSESOPHAGEAL ECHOCARDIOGRAPHY WITHOUT VARICEAL SCREENING IN PATIENTS WITH CIRRHOSIS. *Hepatology* 2022; 76:S1141. PMID: Not assigned. doi.org/10.1002/hep.32697

#186) Shea MG, Headley S, Mullin EM, **Brawner CA**, Schilling P, and Pack QR. Comparison of Ratings of Perceived Exertion and Target Heart Rate-Based Exercise Prescription in Cardiac Rehabilitation: A RANDOMIZED CONTROLLED PILOT STUDY. *J Cardiopulm Rehabil Prev* 2022; 42(5):352-358. PMID: 35383680. doi.org/10.1097/hcr.0000000000000682

#187) Shekhar S, Mohananey D, **Villablanca P**, Tyagi S, Crestanello JA, Gil IJN, and Ramakrishna H. Revascularization Strategies for Stable Left Main Coronary Artery Disease: Analysis of Current Evidence. *J Cardiothorac Vasc Anesth* 2022; 36(8 Pt B):3370-3378. PMID: 35115224. doi.org/10.1053/j.jvca.2021.12.016

#188) Shukr BA, **Devgun J**, Martin A, **Villablanca P**, **Lee J**, **Frisoli T**, **O'Neill BP**, Nadig J, Reeser N, Vummidi D, Keimig T, Song T, Pantelic M, **O'Neill WW**, and **Wang DD**. Aortic Valve Area and Prosthesis-Patient Mismatch Estimated by Echocardiography Versus Computed Tomography for Transcatheter Aortic Valve Replacement. *Cardiovasc Revasc Med* 2022; 40:91. PMID: Not assigned. doi.org/10.1016/j.carrev.2022.06.205

#189) Shukr BA, **Devgun J**, Martin A, **Villablanca P**, **Lee J**, **Frisoli T**, **O'Neill BP**, Nadig J, Reeser N, Vummidi D, Keimig T, Song T, Pantelic M, **O'Neill WW**, and **Wang DD**. CRT-700.10 Aortic Valve Area and Prosthesis-Patient Mismatch Estimated by Echocardiography Versus Computed Tomography for Transcatheter Aortic Valve Replacement. *JACC: Cardiovasc Interventions* 2022; 15(4):S57. PMID: Not assigned. doi.org/10.1016/j.jcin.2022.01.222

#190) Siems C, Cogswell R, Masotti M, Schultz J, **Cowger J**, Shaffer A, and John R. Impact of left ventricular assist device complications on heart transplant outcomes

under the 2018 heart transplant allocation policy. *J Thorac Cardiovasc Surg* 2022. PMID: Not assigned. doi.org/10.1016/j.jtcvs.2022.08.052

#191) Simsek B, Carlino M, Ojeda S, Pan M, Rinfret S, Vemmou E, Kostantinis S, Nikolakopoulos I, Karacsonyi J, Quadros AS, Dens JA, Abi Rafeh N, Agostoni P, **Alaswad K**, Avran A, Belli KC, Choi JW, Elguindy A, Jaffer FA, Doshi D, Karpaliotis D, Khatri JJ, Khelimskii D, Knaapen P, La Manna A, Krestyaninov O, Lamelas P, Padilla L, de Oliveira PP, Spratt JC, Tanabe M, Walsh S, Goktekin O, Gorgulu S, Mastrodemos OC, Allana S, Rangan BV, Kearney KE, Lombardi WL, Grantham JA, Hirai T, Brilakis ES, and Azzalini L. Validation of the OPEN-CLEAN Chronic Total Occlusion Percutaneous Coronary Intervention Perforation Score in a Multicenter Registry. *Am J Cardiol* 2023; 188:30-35. PMID: 36462272. doi.org/10.1016/j.amjcard.2022.11.023

#192) Simsek B, Gorgulu S, Kostantinis S, Karacsonyi J, **Alaswad K**, Jaffer FA, Doshi D, Goktekin O, Kerrigan J, Haddad E, Patel M, Rinfret S, Jaber WA, Nicholson W, Rafeh NA, Allana S, Koutouzis M, and Brilakis ES. Radial access for chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheter Cardiovasc Interv* 2022; 100(5):730-736. PMID: 35870177. doi.org/10.1002/ccd.30347

#193) Simsek B, Jaffer FA, Kostantinis S, Karacsonyi J, Koike H, Doshi D, **Alaswad K**, Gorgulu S, Goktekin O, Khatri J, Poommipanit P, Krestyaninov O, Davies R, ElGuindy A, Jefferson BK, Patel T, Patel M, Rinfret S, Jaber WA, Nicholson W, Rafeh NA, Yildirim U, Soylu K, Allana S, Rangan BV, Mastrodemos OC, Sandoval Y, Burke MN, and Brilakis ES. Preprocedural coronary computed tomography angiography in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Int J Cardiol* 2022; 367:20-25. PMID: 35964847. doi.org/10.1016/j.ijcard.2022.08.027

#194) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Jaffer FA, Doshi D, Gorgulu S, Goktekin O, Kerrigan J, Haddad E, Rinfret S, Jaber WA, Nicholson W, Abi Rafeh N, Allana S, Koutouzis M, Tsiafoutis Y, and Brilakis ES. Antegrade dissection and re-entry versus parallel wiring in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheter Cardiovasc Interv* 2022; 100(5):723-729. PMID: 35900111. doi.org/10.1002/ccd.30346

#195) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Karpaliotis D, Jaffer F, Khatri J, Poommipanit P, Gorgulu S, Goktekin O, Krestyaninov O, Davies R, ElGuindy

A, Haddad E, Kerrigan J, Patel M, Chandwaney R, Mastrodemos O, Allana S, Rangan B, and Brilakis E. TCT-123 Predictors of Success in Primary Retrograde Strategy in Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From the PROGRESS-CTO Registry. *J Am Coll Cardiol* 2022; 80(12):B51-B52. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.147

#196) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Karpaliotis D, Masoumi A, Jaffer FA, Doshi D, Khatri J, Poommipanit P, Gorgulu S, Abi Rafeh N, Goktekin O, Krestyaninov O, Davies R, ElGuindy A, Haddad EV, Kerrigan J, Patel M, Chandwaney RH, Mastrodemos OC, Allana S, Rangan BV, and Brilakis ES. Predictors of success in primary retrograde strategy in chronic total occlusion percutaneous coronary intervention: insights from the PROGRESS-chronic total occlusion registry. *Catheter Cardiovasc Interv* 2022; 100(1):19-27. PMID: 35615875. doi.org/10.1002/ccd.30228

#197) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Karpaliotis D, Masoumi A, Jaffer FA, Doshi D, Khatri J, Poommipanit P, Gorgulu S, Goktekin O, Krestyaninov O, Davies R, ElGuindy A, Jefferson BK, Patel TN, Patel M, Chandwaney RH, Mashayekhi K, Galassi AR, Rangan BV, and Brilakis ES. Outcomes of chronic total occlusion percutaneous coronary intervention in patients with reduced left ventricular ejection fraction. *Catheter Cardiovasc Interv* 2022; 99(4):1059-1064. PMID: 35066985. doi.org/10.1002/ccd.30097

#198) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Karpaliotis D, Masoumi A, Jaffer FA, Doshi D, Khatri J, Poommipanit P, Gorgulu S, Rafeh NA, Goktekin O, Krestyaninov O, Davies R, ElGuindy A, Jefferson BK, Patel TN, Patel M, Chandwaney RH, Mastrodemos OC, Rangan BV, and Brilakis ES. Prevalence and outcomes of balloon undilatable chronic total occlusions: Insights from the PROGRESS-CTO. *Int J Cardiol* 2022; 362:42-46. PMID: 35483480. doi.org/10.1016/j.ijcard.2022.04.057

#199) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Davies R, Rier J, Goktekin O, Gorgulu S, ElGuindy A, Chandwaney R, Patel M, Karpaliotis D, Khatri J, Jaffer F, Poommipanit P, Rangan B, Sandoval Y, Elbarouni B, Nicholson W, Rinfret S, Koutouzis M, Tsiafoutis I, Yeh R, Burke MN, Allana S, and Brilakis E. TCT-113 Predicting the Risk of In-Hospital Major Adverse Cardiovascular Events in Chronic Total Occlusion Percutaneous Coronary Intervention: The PROGRESS-CTO MACE Score. *J Am Coll Cardiol* 2022; 80(12):B47. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.137

#200) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Davies R, Rier J, Goktekin O, Gorgulu S, ElGuindy A, Chandwaney R, Patel M, Karpaliotis D, Khatri J, Jaffer F, Poommipanit P, Rangan B, Sandoval Y, Elbarouni B, Nicholson W, Rinfret S, Koutouzis M, Tsiafoutis I, Yeh R, Burke MN, Allana S, Mastrodemos O, and Brilakis E. TCT-171 Predicting the Risk of Perforation Requiring Pericardiocentesis in Chronic Total Occlusion Percutaneous Coronary Intervention: The PROGRESS-CTO Pericardiocentesis Score. *J Am Coll Cardiol* 2022; 80(12):B69. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.200

#201) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Davies R, Rier J, Goktekin O, Gorgulu S, ElGuindy A, Chandwaney R, Patel M, Karpaliotis D, Khatri J, Jaffer F, Poommipanit P, Rangan B, Sandoval Y, Elbarouni B, Nicholson W, Rinfret S, Koutouzis M, Tsiafoutis I, Yeh R, Burke MN, Allana S, Mastrodemos O, and Brilakis E. TCT-112 Predicting In-Hospital Acute Myocardial Infarction in Chronic Total Occlusion Percutaneous Coronary Intervention: The PROGRESS-CTO Acute Myocardial Infarction Score. *J Am Coll Cardiology* 2022; 80(12):B46. PMID: Not assigned. doi.org/10.1016/j.jacc.2022.08.135

#202) Simsek B, Kostantinis S, Karacsonyi J, **Alaswad K**, Krestyaninov O, Khelimskii D, Davies R, Rier J, Goktekin O, Gorgulu S, ElGuindy A, Chandwaney RH, Patel M, Abi Rafeh N, Karpaliotis D, Masoumi A, Khatri JJ, Jaffer FA, Doshi D, Poommipanit PB, Rangan BV, Sanvodal Y, Choi JW, Elbarouni B, Nicholson W, Jaber WA, Rinfret S, Koutouzis M, Tsiafoutis I, Yeh RW, Burke MN, Allana S, Mastrodemos OC, and Brilakis ES. Predicting Periprocedural Complications in Chronic Total Occlusion Percutaneous Coronary Intervention: The PROGRESS-CTO Complication Scores. *JACC Cardiovasc Interv* 2022; 15(14):1413-1422. PMID: 35863789. doi.org/10.1016/j.jcin.2022.06.007

#203) Simsek B, Kostantinis S, Karacsonyi J, **Basir MB**, Megaly M, Masoumi A, Jaffer FA, Gorgulu S, Brilakis ES, and **Alaswad K**. Temporal Trends in Retrograde Crossing of Epicardial Collaterals in Chronic Total Occlusion Percutaneous Coronary Intervention. *J Invasive Cardiol* 2022; 34(4):E294-E295. PMID: 35302949.

#223) Simsek B, Tajti P, Carlino M, Ojeda S, Pan M, Rinfret S, Vemmou E, Kostantinis S, Nikolakopoulos I, Karacsonyi J, Dens JA, Agostoni P, **Alaswad K**, Megaly M, Avran A, Choi JW, Jaffer FA, Doshi D, Karpaliotis D, Khatri JJ, Knaapen P, La Manna A, Spratt JC, Tanabe M, Walsh S, Mastrodemos OC, Allana S, Rempakos A, Rangan BV, Goktekin O, Gorgulu S, Poommipanit P, Kearney KE, Lombardi WL, Grantham JA, Mashayekhi K, Brilakis ES, and Azzalini L. External validation of the PROGRESS-CTO

complication risk scores: Individual patient data pooled analysis of 3 registries. *Int J Cardiol* 2022. PMID: 36565956. doi.org/10.1016/j.ijcard.2022.12.036

#204) So CY, Kang G, **Lee JC, Frisoli TM, O'Neill BP, Wang DD**, Eng MH, **O'Neill W**, and **Villablanca PA**. Transcatheter edge-to-edge repair for acute mitral regurgitation with cardiogenic shock secondary to mechanical complication. *Cardiovasc Revasc Med* 2022; 45:44-50. PMID: 35882600. doi.org/10.1016/j.carrev.2022.07.003

#205) Spehar SM, Seth M, Henke P, **Alaswad K**, Schreiber T, Berman A, Syrjamaki J, Ali OE, Bader Y, Nerenz D, Gurm H, and Sukul D. Race and outcomes after percutaneous coronary intervention: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium. *Am Heart J* 2023; 255:106-116. PMID: 36216076. doi.org/10.1016/j.ahj.2022.10.001

#206) Spertus JA, Birmingham MC, Nassif M, Damaraju CV, Abbate A, Butler J, **Lanfear DE**, Lingvay I, Kosiborod MN, and Januzzi JL. The SGLT2 inhibitor canagliflozin in heart failure: the CHIEF-HF remote, patient-centered randomized trial. *Nat Med* 2022; 28(4):809-813. PMID: 35228753. doi.org/10.1038/s41591-022-01703-8

#207) Thompson MP, Hou H, Guduguntla V, Cascino TM, Aaronson KD, Sukul D, and **Keteyian SJ**. Cardiac Rehab Participation Is Higher For Heart Failure Patients Treated In Facilities That Offer Advanced Heart Failure Therapies. *J Cardiopulm Rehabil Prevention* 2022; 42(5):E59. PMID: Not assigned. doi.org/10.1097/HCR.0000000000000740

#208) Thompson MP, Yaser JM, Forrest A, **Keteyian SJ**, and Sukul D. Evaluating the Feasibility of a Statewide Collaboration to Improve Cardiac Rehabilitation Participation: THE MICHIGAN CARDIAC REHAB NETWORK. *J Cardiopulm Rehabil Prev* 2022; 42(6):E75-E81. PMID: 35831233. doi.org/10.1097/hcr.0000000000000706

#209) Toma C, Bunte MC, Cho KH, Jaber WA, Chambers J, Stegman B, Gondi S, Leung DA, Savin M, Khandhar S, Kado H, **Koenig G**, Weinberg M, Beasley RE, Roberts J, Angel W, Sarosi MG, Qaqi O, Veerina K, Brown MA, and Pollak JS. Percutaneous mechanical thrombectomy in a real-world pulmonary embolism population: Interim results of the FLASH registry. *Catheter Cardiovasc Interv* 2022; 99(4):1345-1355. PMID: 35114059. doi.org/10.1002/ccd.30091

#210) Torabi AJ, **Mshelbwala FS**, Hugenberg D, Kovacs RJ, and Kreutz RP. Social deprivation index and ischemic events after percutaneous coronary intervention in patients with diabetes mellitus. *Catheter Cardiovasc Interv* 2022; 99(4):1015-1021. PMID: 35094474. doi.org/10.1002/ccd.30108

#211) Torpoco Rivera DM, **Williams CT**, and Karpawich PP. TTR Val142Ile: Bystander Genetic Finding or Diagnosis? Response to Editor. *Pediatr Cardiol* 2022. PMID: 36583756. doi.org/10.1007/s00246-022-03086-6

#212) Varghese MS, Beatty A, Song Y, Xu J, Sperling LS, Fonarow GC, **Keteyian SJ**, McConeghy KW, Penko J, Yeh RW, Figueroa JF, Wu WC, and Kazi DS. Cardiac Rehabilitation and the COVID-19 Pandemic: Persistent Declines in CR Participation and Access Among US Medicare Beneficiaries. *Circ Cardiovasc Qual Outcomes* 2022; 15(12):e009618. PMID: 36314139. doi.org/10.1161/circoutcomes.122.009618

#213) Varshney AS, DeFilippis EM, **Cowger JA**, Netuka I, Pinney SP, and Givertz MM. Trends and Outcomes of Left Ventricular Assist Device Therapy: JACC Focus Seminar. *J Am Coll Cardiol* 2022; 79(11):1092-1107. PMID: 35300822. doi.org/10.1016/j.jacc.2022.01.017

#214) Vendittelli P, Coriasso N, Boshara A, **Makki T, Tita C**, and Zein RK. DON'T BLAME THE VACCINE. *J Am Coll Cardiol* 2022; 79(9):2570. PMID: Not assigned. doi.org/10.1016/S0735-1097(22)03561-6

#215) Vidula H, and **Cowger JA**. Getting to the heart of the muscle: Sarcopenia in advanced heart failure. *J Heart Lung Transplant* 2022; 41(6):763-764. PMID: 35351384. doi.org/10.1016/j.healun.2022.02.017

#216) **Villablanca PA**, Al-Darzi W, Boshara A, **Hana A, Basir M, O'Neill BP, Frisoli T, Lee J, Wang DD**, and **O'Neill WW**. Left Atrial Venous Arterial Extracorporeal Membrane Oxygenation for Patients in Cardiogenic Shock and Acute Aortic Regurgitation. *JACC Cardiovasc Interv* 2022; 15(20):2112-2114. PMID: 36265949. doi.org/10.1016/j.jcin.2022.08.015

#217) Weber MP, Stulak J, Maltais S, Pagani FD, **Cowger J**, and Tchanchaleishvili V. Quality of Life Metrics in LVAD Patients after Hemocompatibility-Related Adverse Events. *Artif Organs* 2022; 46(8):1616-1625. PMID: 35315092. doi.org/10.1111/aor.14235

#218) Williams MR, Jilaihawi H, Makkar R, **O'Neill WW**, Guyton R, Malaisrie SC, Brown DL, Blanke P, Leipsic JA, Pibarot P, Hahn RT, Leon MB, Cohen DJ, Bax JJ, Kodali SK, Mack MJ, Lu M, and Webb JG. The PARTNER 3 Bicuspid Registry for Transcatheter Aortic Valve Replacement in Low-Surgical-Risk Patients. *JACC Cardiovasc Interv* 2022; 15(5):523-532. PMID: 35272777. doi.org/10.1016/j.jcin.2022.01.279

#219) Xiao S, Hu D, Mak A, Yang M, Hochstadt S, Simons S, Cabral W, Sahasrabudhe N, Eng C, **Lanfear D**, Burchard EG, and Williams L. Ancestry-Specific Markers for Asthma Exacerbation Among African American Individuals in the Trans-Omics for Precision Medicine (TOPMed) Program's Asthma Translational Genomics Collaborative (ATGC). *Am J Respir Crit Care Med* 2022; 205(1). PMID: Not assigned. doi.org/10.1164/ajrccm-conference.2022.205.1_MeetingAbstracts.A3924

#220) Ya'Qoub L, **Alqarqaz M**, Mahadevan VS, Saad M, and Elgendy IY. Impact of COVID-19 on Management Strategies for Coronary and Structural Heart Disease Interventions. *Curr Cardiol Rep* 2022; 24(6):1-9. PMID: 35347567. doi.org/10.1007/s11886-022-01691-8

#221) Ya'Qoub L, Butera B, Sorek C, Lemor A, **Alqarqaz M**, and **Villablanca P**. Computed tomography-guided pericardiocentesis for a loculated pericardial effusion with tamponade. *Cardiovasc Revasc Med* 2022. PMID: 36089456. doi.org/10.1016/j.carrev.2022.08.030

#222) Ya'Qoub L, Gad M, Faza NN, Kunkel KJ, Ya'acoub R, **Villablanca P**, Bagur R, Alasnag M, Eng M, and Elgendy IY. Sex differences in outcomes of transcatheter edge-to-edge repair with MitraClip: A meta-analysis. *Catheter Cardiovasc Interv* 2022; 99(6):1819-1828. PMID: 35094482. doi.org/10.1002/ccd.30110

#223) Ya'Qoub L, Lemor A, **Basir MB**, **Alqarqaz M**, and **Villablanca P**. A Visual Depiction of Left Ventricular Unloading in Veno-Arterial ExtraCorporeal Membrane Oxygenation With Impella. *J Invasive Cardiol* 2022; 34(11):E825. PMID: 36318465.

#224) Zervos TM, Kutschman K, **Frisoli T**, Mansour TR, and Schwalb JM. Techniques for management and avoidance of ventriculoatrial shunt disconnection: illustrative cases. *J Neurosurg Case Lessons* 2022; 3(22):Case21654. PMID: 35734610. doi.org/10.3171/case21654

#225) Zile MR, Mehra MR, Ducharme A, Sears SF, Desai AS, Maisel A, Paul S, Smart F, **Grafton G**, Kumar S, Nossuli TO, Johnson N, Henderson J, Adamson PB, Costanzo MR, and Lindenfeld J. Hemodynamically-Guided Management of Heart Failure Across the Ejection Fraction Spectrum: The GUIDE-HF Trial. *JACC Heart Fail* 2022; 10(12):931-944. PMID: 36456066. doi.org/10.1016/j.jchf.2022.08.012