

CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:

Ali-Ahmed F, Goyal V, Patel M, Orelaru F, **Haines DE**, Wong WS. High-power, low-flow, short-ablation duration-the key to avoid collateral injury? J Interv Card Electrophysiol, published online October 30, 2018.

Patel M, Matka M, Tagami T, *Boura J, Culter N, **Almany SL**, et al. The value added by a limited echocardiogram to a student athlete screening program. J Am Coll Card. 2018 Mar;71:(11).

Alyesh DM, Seth M, Miller DC, Dupree JM, Syrjamaki J, Sukul D, et al, [**Dixon SR**]. Exploring the healthcare value of percutaneous coronary intervention: Appropriateness, outcomes, and costs in Michigan hospitals. Circ Cardiovasc Qual Outcomes. 2018 Jun;11(6):e004328.

Anderson M, Morris DL, Tang D, Batsides G, Kirtane A, **Hanson I**, et al. Outcomes of patients with right ventricular failure requiring short-term hemodynamic support with the Impella RP device. J Heart Lung Transplant. 2018 Dec;37(12):1448-1458.

Armstrong M, Paternostro-Bayles M, Conroy MB, **Franklin BA**, Richardson C, Kriska A. Preparticipation screening before physical activity in community lifestyle interventions. Translat J Am Coll Sports Med. 2018 Nov 15;3(22):176-180.

Ayoub C, Kritharides L, Yam Y, Chen L, Hossain A, Achenbach S, et al, [**Chinnaiyan KM, Raff GL**]. Prognostic value of age adjusted segment involvement score as measured by coronary computed tomography: A potential marker of vascular age. Heart Vessels. 2018 Nov;33(11):1288-300.

Barnes G, Kong X, Cole D, Haymar B, Kline-Rogers E, **Almany SL**, et al. Extended international normalized ratio testing intervals for warfarin-treated patients. J Thromb Haemost. 2018 Jul;16(7):1307-1312.

Basir MB, Schrieber T, **Dixon SR**, Alaswad K, Patel K, **Almany SL**, et al, [**Hanson I, Ashbrook M, Timmis SBH**]. Feasibility of early mechanical circulatory support in acute myocardial infarction complicated by cardiogenic shock: The Detroit Cardiogenic Shock Initiative. Cath Cardiovasc Interv. 2018 Feb 15;91(3):454-461.

Bloomingtondale R, Walters JL 3rd, **Mertens A, Ramos R, Gallagher M**, Forbes TJ, et al. Coronary sinus stenosis with right coronary artery to coronary sinus fistula. Ann Thorac Surg. 2018 Dec 7;pii: S0003-4975(18)31790-9.

Bowdon M, Marcovitz P, Jain SK, *Boura J, Liroff KG, **Franklin BA**. Exercise training in “at-risk” black and white women: A comparative cohort analyses. Med Sci Sports Exer. 2018 Jul;50(7):1350-1356.

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Peer-Reviewed Articles: continued

Cami E, Tagami T, Raff G, Fonte TA, **Renard B, Gallagher MJ**, et al, [**Chinnaiyan KM, Safian RD**]. Assessment of lesion-specific ischemia using fractional flow reserve (FFR) profiles derived from coronary computed tomography angiography (FFRCT) and invasive pressure measurements (FFRINV): Importance of the site of measurement and implications for patient referral for invasive coronary angiography and percutaneous coronary intervention. *J Cardiovasc Comput Tomogr*. 2018 Nov-Dec;12(6):480-492.

Chang HJ, Lin FY, Lee SE, Andreini D, Bax J, Cademartiri F, et al, [**Chinnaiyan KM, Raff GL**]. Coronary atherosclerotic precursors of acute coronary syndromes. *J Am Coll Cardiol*. 2018 Jun 5;71:(22)2511-2522.

Cho I, Al'Aref SJ, Berger A, O'Hartaigh B, Gransar H, Valenti V, et al, [**Chinnaiyan K, Raff GL**]. Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: A 6-year follow-up from the prospective multicentre international CONFIRM study. *Eur Heart J*. 2018 Mar 14;39:(11):934-41.

Cho YK, Nam CW, Koo BK, Schulman-Marcus J, Hartaigh BO, Gransar H, et al, [**Chinnaiyan K, Raff GL**]. Usefulness of baseline statin therapy in non-obstructive coronary artery disease by coronary computed tomographic angiography: From the CONFIRM (Coronary CT Angiography Evaluation for clinical outcomes: An international multicenter) study. *PLoS One* 2018. Dec 12;13(12):e0207194.

David SW, Khan ZA, Patel NC, Metzger DC, Wood FO, Wasserman HS, et al, [**Hanson ID, Dixon SR**]. Evaluation of intracoronary hyperoxemic oxygen therapy in acute anterior myocardial infarction: The IC-HOT study. *Catheter Cardiovasc Interv*, published online September 28, 2018.

Eijsvogels TMH, Thompson PD, **Franklin BA**. The 'extreme exercise hypothesis': Recent findings and cardiovascular health implications. *Curr Treat Options Cardiovasc Medi*. 2018 Aug 28;20(10):84.

Fairbairn TA, Nieman K, Akasaka T, Norgaard BJ, Berman DS, **Raff GL**, et al. Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: Lessons from the ADVANCE Registry. *Eur Heart J*. 2018; 39:3701-3711.

Feldmann K, Goldstein J, *Victor Marinescu, **Dixon SR, Raff GL**. Disparate impact of ischemic injury on regional wall dysfunction in acute anterior vs inferior myocardial infarction. *Cardiovasc Revasc Med*, published online December 21, 2018.

Feldmann K, Cami E, Safian RD. Planning percutaneous coronary interventions using computed tomography angiography and fractional flow reserve-derived from computed tomography: A state-of-the-art review. *Catheter Cardiovasc Interv*, published online October 4, 2018.

Franklin BA, Chaddha A. Resting heart rate and blood pressure as indices of cardiovascular and mortality risk: Is lower invariably better? *J Cardiopulm Rehabil Prev*. 2018 Nov;38(6):353-357.

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Peer-Reviewed Articles: continued

Franklin BA, Kaminsky LA, Kokkinos P. Editorial. Quantitating the dose of physical activity in secondary prevention: Relation of exercise intensity to survival. *Mayo Clin Proc.* 2018 Sep;93(9):1158-1163.

Franklin BA, Kokkinos P, Lavie CJ. Do not forget physical activity and cardiorespiratory fitness. *Am J Cardiol.* 2018 Nov 15;122(10):1797-1799.

Franklin BA, Brinks J, Berra K, Lavie CJ, Gordon NF, Sperling LS. Using metabolic equivalents in clinical practice. *A J Cardiol.* 2018 Feb 1;121(3):382-387.

Goldstein JA. Coronary CT angiography: Identification of patients and plaques “at risk”. *J Am Coll Cardiol.* 2018;71:2523-6.

Goldstein JA, Dixon SR, Douglas PS, Ohman EM, Moses J, Popma, et al. Maintenance of valvular integrity with Impella left heart support: Results from the multicenter PROTECT II randomized study. *Cath Cardiovasc Interv.* 2018 Oct 1;92(4):813-817.

Grafe K, Bendick P, Burr M, Boura J, **Franklin BA.** Effects of resistance training on vascular and hemodynamic responses in patients with coronary artery disease. *Res Q Exer Sport.* 2018 Dec;89(4):457-464.

Gurm HS, Seth M, **Dixon SR**, Michael Grossman P, Sukul D, Lalonde T, et al. Contemporary use of and outcomes associated with ultra-low contrast volume in patients undergoing percutaneous coronary interventions. *Catheter Cardiovasc Interv*, published online August 25, 2018.

Gurm HS, Seth M, **Dixon SR**, Kraft P, Jensen A. Trends in contrast volume use and incidence of acute kidney injury in patients undergoing percutaneous coronary intervention: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative (BMC2). *JACC Cardiovasc Interv* 2018 Mar 12;11(5):509-511.

Haines DE. Cooking with radiofrequency energy: What is the right recipe? *JACC: Clin Electrophysiol.* 2018;4(4):480-482.

Han D, Hartaigh BO, Gransar H, Lee JH, Rizvi A, Baskaran L, et al, [**Chinnaiyan KM, Raff GL**]. Incremental prognostic value of coronary computed tomography angiography over coronary calcium scoring for major adverse cardiac events in elderly asymptomatic individuals. *Eur Heart J Cardiovasc Imaging.* 2018 Jun 1;19(6):675-83.

Hanson ID, **Goldstein JA.** Acute right ventricular failure: Diagnosis, management and basic principles of percutaneous mechanical circulatory support. *Cardiac Interventions Today* March/April 2018.

Hanson ID, Dalal PK, Renard BM, Hanzel GS, Vivacqua A. Emergency valve-in-valve transcatheter aortic valve implantation for the treatment of acute stentless bioprosthetic aortic insufficiency and cardiogenic shock. *Case Rep Cardiol.* 2018 Mar 13;2018:6872748.

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Peer-Reviewed Articles: continued

Jae SY, Bunsawat K, Choi YH, Kim YS, Touyz RM, Park JB, **Franklin BA**. Relation of serum uric acid to an exaggerated systolic blood pressure response to exercise testing in normotensive men. *J Clin Hypertens*. 2018 Mar;20(3):551-556.

Jae SY, Laukkanen JA, Choi Y-H, **Franklin BA**. Association between cardiorespiratory fitness and indices of coronary artery calcification in men. *Mayo Clin Proc*. 2018 May;93(5):665-666.

Jae SY, Kurl S, Fernhall B, Kunutsor SK, **Franklin BA**, Laukkanen JA. Are metabolically healthy overweight/obese men at increased risk of sudden cardiac death? *Mayo Clinic Proceedings*. 2018;93(9):1266-1270.

Jae SY, **Franklin BA**, Kurl S, Fernhall B, Kunutsor S, Kauhanen J, et al. Effect of cardiorespiratory fitness on risk of sudden cardiac death in overweight/obese men aged 42 to 60 years. *Am J Cardiol*. 2018 Sep 1;122(5):775-779.

Jayaschandran V, **Mertens AN**, Patel VK, Dalal B. Life threatening massive hemoptysis after cryoablation for atrial fibrillation. *J Bronchology Interv Pulmonol*. 2018 Jan;25(1):67-69.

Kitabata H, Leipsic J, Patel MR, Nieman K, De Bruyne B, Rogers C, et al, [**Chinnaiyan KM, Raff GL**]. Incidence and predictors of lesion-specific ischemia by FFRCT: Learnings from the international ADVANCE registry. *J Cardiovasc Comput Tomogr* 2018. Mar-Apr;12(2):95-100.

Kokkinos P, Myers J, **Franklin BA**, Narayan P, Lavie CJ, Faselis C. Cardiorespiratory fitness and health outcomes: A call to standardize fitness categories. *Mayo Clin Proc*. 2018 Mar;93(3):333-336.

Kokkinos P, Narayan P, Myers J, **Franklin BA**. Cardiorespiratory fitness and the incidence of chronic disease. *J Clin Exer Physiol*. 2018 Jun;7(2):37-45.

Lee JH, Han D, Hartaigh BO, Gransar H, Lu Y, Rizvi A, et al, [**Chinnaiyan KM, Raff GL**]. Influence of symptom typicality for predicting MACE in patients without obstructive coronary artery disease: From the CONFIRM Registry (Coronary Computed Tomography Angiography Evaluation for Clinical Outcomes: An international multicenter registry). *Clin Cardiol* 2018. May;41(5):586-93.

Lee SE, Chang HJ, Sung JM, Park HB, Heo R, Rizvi A, et al, [**Chinnaiyan KM, Raff GL**]. Effects of statins on coronary atherosclerotic plaques: The PARADIGM Study. *JACC Cardiovasc Imaging*. 2018 Oct;11(10):1475-84.

Lee SE, Sung JM, Rizvi A, Lin FY, Kumar A, Hadamitzky M, et al, [**Chinnaiyan KM, Raff GL**]. Quantification of coronary atherosclerosis in the assessment of coronary artery disease. *Circ Cardiovasc Imaging*. 2018 Jul;11(7):e007562.

Mertens A, Dalal P, Ashbrook M, Hanson I. Coil embolization of coronary-cameral fistula complicating revascularization of chronic total occlusion. *Case Rep Cardiol*. 2018 Aug 29; 2018;2018:6857318.

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Peer-Reviewed Articles: continued

Nakahama H, Jankowski M, **Dixon SR, Abbas AE**. Opolski MP, Gransar H, et al, [**Chinnaiyan K, Raff GL**]. Prognostic value of chronic total occlusions detected on coronary computed tomographic angiography. *Heart*, published online July 30, 2018.

O'Neill WW, Grines C, Schreiber T, Moses J, Maini B, **Dixon SR**, Ohman EM. Analysis of outcomes for 15,259 US patients with acute myocardial infarction cardiogenic shock (AMICS) supported with the Impella device. *Am Heart J*. 2018 Aug;202:33-38.

Quindry JC, **Franklin BA**. Cardioprotective exercise and pharmacologic interventions as complementary antidotes to cardiovascular disease? *Exer Sport Sci Rev*. 2018 Jan;46(1):5-17.

Rothschild DR, Goldstein JA. Submassive pulmonary embolus: The challenge of thrombolytic decision-making in a heterogenous cohort. *Cath Cardiovasc Intervent*. 2018;92:372-3.

Song C, Sukul D, Seth M, Wohns D, **Dixon SR**, Slocum N, Gurm H. Outcomes after percutaneous coronary intervention in patients with a history of cerebrovascular disease. Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Consortium. *Circ Cardiovasc Interv*. 2018 Jun;11(6):e006400.

Stewart MT, **Haines DE**, Verma A, Kirchhof N, Barka N, Grassl E, Howard B. Intracardiac pulsed field ablation: Proof of feasibility in a chronic porcine model. *Heart Rhythm*, 2018 Oct 30. pii: S1547-5271(18)31116-0.

van Rosendaal AR, Maliakal G, Kolli KK, Beecy A, Al'Aref SJ, Dwivedi A, et al, [**Chinnaiyan K, Raff GL**]. Maximization of the usage of coronary CTA derived plaque information using a machine learning based algorithm to improve risk stratification; insights from the CONFIRM registry. *J Cardiovasc Comput*. 2018 May-Jun;12:(3)204-9.

Vetrovec GW, Anderson M, Schrieber T, Popma J, Lombardi W, Maini B, et al, [**Dixon SR**]. The cVAD registry for percutaneous temporary hemodynamic support: A prospective registry of Impella mechanical circulatory support use in high-risk PCI, cardiogenic shock and decompensated heart failure. *Am Heart J*. 2018 May;199:115-121.

Weir-McCall JR, Blanke P, Sellers SL, Ahmadi AA, Adreini D, Budoff MJ, et al, [**Chinnaiyan KM, Raff GL**]. Impact of non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. *J Cardiovasc Comput Tomogr*. 2018 May-Jun;12(3):231-237.

Won KB, Lee SE, Lee BK, Park HB, Heo R, Rizvi A, et al, [**Chinnaiyan K, Raff GL**]. Longitudinal assessment of coronary plaque volume change related to glycemic status using serial coronary computed tomography angiography: A PARADIGM (Progression of Atherosclerotic Plaque Determined by Computed Tomographic Angiography Imaging) substudy. *J Cardiovasc Computed Tomogr*. 2018 Dec 17; pii: S1934-5925(18)30181-3.

Wright M, Harks E, Deladi S, Fokkenrood S, Brink R, **Haines DE**. Characteristics of radiofrequency catheter ablation lesion formation in real time in vivo using near field ultrasound imaging. *J Am Coll Cardiol Electrophysiol*. 2018 Aug;4(8):1062-1072.

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Peer-Reviewed Articles: continued

Writing Committee M, Hirshfeld JW Jr, Ferrari VA, Bengel FM, Bergersen L, Chambers CE, et al, [Haines DE, Raff GL]. 2018 ACC/HRS/NASCI/SCAI/SCCT expert consensus document on optimal use of ionizing radiation in cardiovascular imaging-best practices for safety and effectiveness, Part 1: Radiation physics and radiation biology. *Catheter Cardiovasc Interv*. 2018 Aug 1;92(2):203-221.

Xie JX, Cury RC, Leipsic J, Crim MT, Berman DS, Gransar H, et al, [Chinnaiyan KM, Raff GL]. The coronary artery disease-reporting and data system (CAD-RADS): Prognostic and clinical implications associated with standardized coronary computed tomography angiography reporting. *JACC Cardiovasc Imaging*. 2018 Jan;11(1):78-89.

Book Chapter or Full Book Publications:

Goldstein JA. An anatomic pathophysiologic approach to hemodynamic assessment. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p.409-426.

Goldstein JA. Hemodynamic manifestations of ischemic right-heart dysfunction. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p.235-248.

Goldstein JA. Introduction to pericardial disease. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p.195-218.

Goldstein JA. Restrictive cardiomyopathy: Differentiating constrictive pericarditis and restriction. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p.219-234.

Goldstein JA, Brugaletta S, Madden SP, Sum, ST, **Dixon SR,** Madden RD, et al. Near-infrared spectroscopy. In: Eeckhout, E, Serruys PW, van Sunbeek M, DePalma R, editors. *The PCR-EACPI textbook: percutaneous interventional cardiovascular medicine* [book on the Internet]. 2018. Available from: <https://www.pcronline.com>.

Goldstein JA, Kern MJ. Principles of normal physiology and pathophysiology. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p.3-34.

Hanson ID, **Goldstein JA.** Invasive hemodynamic assessment of shock and use of mechanical support for acute left and right ventricular failure. In: Kern MJ, Lim MI, **Goldstein JA**, editors. *Hemodynamic rounds: interpretation of cardiac pathophysiology from pressure waveform analysis*. 4th ed. New York: Wiley Blackwell, 2018. p. 401-407.

Cardiovascular Disease

Book Chapter or Full Book Publications: continued

Kern MJ, Lim MI, **Goldstein JA**, editors. Hemodynamic rounds: Interpretation of cardiac pathophysiology from pressure waveform analysis. 4th ed. New York: Wiley Blackwell, 2018.

Abstracts with Associated Research Presentations:

Basir M, Isseh I, Schreiber T, Kaki A, Finley J, Lasorda D, et al, [**Dixon SR**]. Lactate and cardiac power output measurements at 12-24 hours reliably predict outcomes in cardiogenic shock: Insights from the National Cardiogenic Shock Initiative. JACC. 2018 Sep;72(13).

Bowdon M, Marcovitz P, Jain SK, *Boura J, Liroff K, **Franklin BA**. Exercise training in 'at risk' black and white women: A comparative cohort analysis. American College of Sports Medicine Annual 65th Meeting and 9th World Congress on Exercise is Medicine, Minneapolis, MN, May 29-June 2, 2018.

Feldmann K, Gallagher M, Cami E, Yeow R, **Safian R**. FFR_{ct} analysis of anomalous aortic origin of a coronary artery: Single center case series of surgically confirmed intramural arteries. 13th Annual Society of Cardiovascular Computed Tomography (SCCT) Meeting, Grapevine, TX, July 12-15, 2018.

Grafe K, Bendick P, Burr M, Boura J, **Brunk D, Franklin BA**. Effects of resistance training on vascular and hemodynamic responses to standardized workloads in coronary patients. American College of Sports Medicine Annual 65th Meeting and 9th World Congress on Exercise is Medicine, Minneapolis, MN, May 29-June 2, 2018.

Haines DE, Verma A, Kirchhof N, Barka ND, Grassl ED, Howard BT, et al. Pulsed field ablation: Feasibility of advanced electroporation and comparison to RF. Heart Rhythm. 2018;15:S143.

Hendrickson K. Cardiac rehabilitation: A gateway to the Senior Olympics. American College of Sports Medicine Annual 65th Meeting and 9th World Congress on Exercise is Medicine, Minneapolis, MN, May 29-June 2, 2018.

Howard BT, **Haines DE**, Verma A, Kirchhof N, Barka ND, Onal B, Stewart MT. Pulsed field ablation reduces pulmonary vein stenosis risk: An advanced model for assessment of PV stenosis. Circulation. 2018;138:(1).

Jae SY, Kurl S, Laukkanen J, **Franklin BA**. Is there an "asymptote of gain" beyond which further increases in cardiorespiratory fitness convey no additional benefits on all-cause mortality, cardiovascular mortality, sudden death, and atrial fibrillation? Annual Meeting of the European Society of Cardiology, Munich, Germany, August 25-29, 2018.

Lynch S, Aneese A, **Dixon SR**, Lauter C. A heart gone bananas: Allergy-induced coronary vasospasm due to banana (Kounis Syndrome). American Academy of Asthma and Immunology World Allergy Organization (AAAAI/WAO), Orlando, FL, March 2-5, 2018.

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Abstracts with Associated Research Presentations: continued

Madder R, Seth M, Schrieber T, Kaki A, Chattahi J, West D, et al, [**Dixon SR**]. Statewide variability in radiation doses exceeding 5-gy during percutaneous coronary intervention: Data from the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative (BMC2) Registry. JACC. 2018 Sep;72(13).

Matsumura M, Weisz G, Yamamoto M, Andrews J, Kini A, Brilakis E, et al, [**Dixon SR**]. Angiographic predictors of lipid rich plaque detected by near-infrared spectroscopy: the COLOR registry. JACC. 2018 Mar;71(11).

Meraj PM, Hill J, **Dixon SR**, Schrieber T, Moses J, Schaefer A. Non-emergent percutaneous coronary intervention on an unprotected left main coronary artery supported with Impella heart pump in patients ineligible for surgical revascularization. JACC. 2018 Mar;71(11).

Rothschild D, Goldstein J, Bowers T. Low-dose systemic thrombolytic therapy for treatment of submassive pulmonary embolism: Clinical efficacy but attendant hemorrhagic risks. Catheter Cardiovasc Interv, published online December 14, 2018. 4th Annual PE Symposium, Nashville, TN June 22-23, 2018.

Rothschild D, Goldstein J, Bowers T. Ultrasound-accelerated thrombolysis (USAT) versus standard catheter-directed thrombolysis (CDT) for treatment of pulmonary embolism: A retrospective analysis. 4th Annual PE Symposium, Nashville, TN June 22-23, 2018.

Sacks R, Franklin BA, *Boura J, Rida R, Potkin S, Friedman H, et al, [Trivax J, Bilolikar A, Brunk D, Brinks J]. Using the heart rate index equation to estimate peak METs in physically active adults. American College of Sports Medicine Annual 65th Meeting and 9th World Congress on Exercise is Medicine, Minneapolis, MN, May 29-June 2, 2018.

Wanamaker B, Seth M, Sukul D, **Dixon S**, Bhatt D, Madder R, et al. Troponin level at presentation is a strong predictor of outcome among patients undergoing percutaneous coronary intervention for ST elevation myocardial infarction: Insights from the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative (BMC2) Registry. JACC. 2018 Mar;71(11).

Invited Research Presentations:

Dixon SR. Mechanical support for high risk PCI: Clinical cases of success. American College of Cardiology (ACC), Orlando, FL March 10-12, 2018.

Dixon SR. Contrast reduction strategies in PCI. Blue Cross Blue Shield Blue Care Network Meeting, Novi, MI, April 21, 2018.

Dixon SR. How do we use IVUS for PCI guidance? Blue Cross Blue Shield Blue Care Network Meeting, Detroit, MI, October 27, 2018.

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. Clinical Obesity Medicine Conference, Center for Medical Weight Loss, Las Vegas, NV, January 20-21, 2018.

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Invited Research Presentations: continued

Franklin BA. Beyond botox and cosmetic surgery: Exercise and other anti-aging lifestyle interventions. Clinical Obesity Medicine Conference, Center for Medical Weight Loss, Las Vegas, NV, January 20-21, 2018. 10th Annual Advances in Heart Disease Prevention and Rehabilitation Conference, Beaumont Hospital, Troy, MI, March 3, 2018.

Franklin BA. Rehabilitation in cardiovascular disease: From prevention to intervention. Annual Viennese Physicians Society Meeting (Sommersemester), Vienna, Austria, March 13, 2018.

Franklin B. Cardiac rehabilitation in 2018: Incorporating new populations and approaches. Preventive Cardiovascular Nurses Association Annual Meeting, Baltimore, MD, April 4-7, 2018.

Franklin BA. High-volume, high-intensity exercise and cardiovascular health: Changing paradigms and perceptions. American Medical Society for Sports Medicine Annual Meeting, Orlando, FL, April 24-29, 2018.

Franklin BA. Impact of exercise training on black and white women at risk for cardiovascular disease. Heart and Style Event, Oakland Hills Country Club, Bloomfield Hills, MI, May 17, 2018.

Franklin BA. Behavioral skills for winning in life. American College of Sports Medicine (ACSM) 65th Annual Meeting, Minneapolis, MN, May 29-June 2, 2018.

Franklin BA. Beyond exercise: Moving from activity interventions to comprehensive risk reduction and disease prevention (Tutorial Lecture). American College of Sports Medicine (ACSM) 65th Annual Meeting, Minneapolis, MN, May 29-June 2, 2018.

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. 21st Annual Beaumont Troy Medical Staff Symposium, Boyne Falls, MI, June 21-23, 2018.

Franklin BA. GPS for professional success: 10 behavior skills of highly successful people. 21st Annual Beaumont Troy Medical Staff Symposium, Boyne Falls, MI, June 21-23, 2018.

Franklin BA. Extreme exercise and cardiovascular health: Clarifying the risk-protection paradox. Medical Grand Rounds, Sinai-Grace Hospital, Detroit, Michigan, September 6, 2018.

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. Faculty of Medicine, University of Lisbon, Lisbon, Portugal, October 25-28, 2018.

Franklin BA. Cardiac rehabilitation and secondary prevention: Changing paradigms and perceptions. Faculty of Medicine, University of Lisbon, Lisbon, Portugal, October 25-28, 2018.

Goldstein JA. Impella RP for RV shock and diagnosis and treatment options for RV shock. Cardiology Research Technologies (CRT) Conference, Washington, DC, March 3-6, 2018.

Goldstein JA. Mechanical support in RV failure: The search for vulnerable plaque: The emerging role of CTA, understanding the anatomy (and Embryology) of the foramen ovale. Scottsdale Interventional Forum, Scottsdale, AZ, March 21-24, 2018.

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Invited Research Presentations: continued

Goldstein JA. Radiation safety: Do's and don'ts. Advanced Revascularization Chapter (ARCH) Percutaneous Cardiac and Peripheral Vascular Therapeutics Symposium, St. Louis, MO, April 12-13, 2018.

Goldstein JA. Patient radiation skin injury: Frequency, prevention and treatment. The Society for Cardiovascular Angiography and Interventions (SCAI) Annual Meeting, San Diego, CA, April 25-28, 2018.

Goldstein JA. Diagnosis and treatment of vulnerable plaque. Complex Cardiovascular Catheter Therapeutics Meeting, Orlando, FL, June 17-20, 2018.

Goldstein JA. NIRS-IVUS to guide stenting. Transcatheter Cardiovascular Therapeutics (TCT) 30th Annual Scientific Meeting, San Diego, CA, September 21-25, 2018.

Haymart B, Kong X, Kline-Rodgers E, **Almany SL**, Kozlowski J, Krol G, et al. Outcomes in non-valvular atrial fibrillation patients with good and poor INR control after switching to direct oral anticoagulants. 64th Annual International Society of Thrombosis and Haemostasis (ISTH) Scientific Standardization Committee (SSC), Dublin, Ireland, July 18-21, 2018.

Mertens A, Bloomingdale R, Hanzel G, Gallagher M, Ramos R. Right coronary artery to coronary sinus fistula presenting with pericardial effusion. American College of Cardiology 67th Annual Scientific Session and Expo, Orlando, FL, March 10-12, 2018.

Non Peer-Reviewed Research Publications:

Almany SL. World's smallest heart pump saves man in auto accident. Beaumont Health and Wellness, December 18, 2018. <https://www.beaumont.org/health-wellness/news/worlds-smallest-heart-pump-saves-man-in-auto-accident>.

Hanson ID. Getting the flu can be deadly. State of the Heart, Fall 2018, Beaumont Hospital quarterly publication.