



Publications by Fellows From Cardiology Fellowship

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

<https://academic.oup.com/eurheartj/article/38/39/2957/4080843>

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

https://www.ahajournals.org/doi/full/10.1161/CIRCEP.117.005333?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

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

<https://www.sciencedirect.com/science/article/pii/S2468644117300877?via%3Dihub>

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

https://www.ahajournals.org/doi/full/10.1161/CIRCRESAHA.118.313593?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Shufelt C, Elboudwarej O, Johnson BD, Mehta P, Bittner V, Braunstein G, Berga S, Stanczyk F, Dwyer K, Merz CN. Carotid artery distensibility and hormone therapy and menopause: the Los Angeles Atherosclerosis Study. *Menopause*. 2016

Feb;23(2):150-157. <https://insights.ovid.com/pubmed?pmid=26308234>

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

<https://onlinelibrary.wiley.com/doi/full/10.1111/ctr.12566>

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

<https://www.sciencedirect.com/science/article/pii/S2213177915000888?via%3Dihub>

Zarrini P, Elboudwarej O, Luthringer D, Siegel R. Rare mycotic aneurysm of the mitral valve without aortic valve involvement. *Echocardiography*. 2015 Sep;32(9):1428-1431.
<https://onlinelibrary.wiley.com/doi/full/10.1111/echo.12942>

Elboudwarej O, Wei J, Siegel R. Diagnosis of an aortic valvular lesion. Non-bacterial thrombotic endocarditis (NBTE). *Heart*. 2015 May;101(9):719-726.
<https://heart.bmj.com/content/101/9/719>.

Shaw RM, Nikolova AP. A surprising noncanonical role for calcineurin in pressure-induced cardiac hypertrophy. *J Am Coll Cardiol*. 2018 Feb 13;71(6):668-669.
<https://www.sciencedirect.com/science/article/pii/S0735109717418717?via%3DIihub>.

Pacheco Claudio C, Quesada O, Pepine CJ, Noel Bairey Merz C. Why names matter for women: MINOCA/INOCA (myocardial infarction/ischemia and no obstructive coronary artery disease). *Clin Cardiol*. 2018 Feb;41(2):185-193.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/clc.22894>.

Ahmed A, Henry TD. If you prick us, do we not bleed? *Catheter Cardiovasc Interv*. 2017 Nov 1;90(5):743-744. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ccd.27354>.

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

Ebinger J, Henry TD. From D2B to B2D: Value based STEMI care! *Catheter Cardiovasc Interv*. 2017 Jun 1;89(7):1147-1148. <https://onlinelibrary.wiley.com/doi/full/10.1002/ccd.27137>.

Ebinger J. Health services research: cardiology in the changing health care landscape. *J Am Coll Cardiol*. 2017 Mar 7;69(9):A1-A36, e47-e53, 1103-1214.
<http://www.sciencedirect.com/science/journal/07351097/69/9>.

Krishnan S, Otaki Y, Doris M, Slipczuk L, Arnson Y, Rubeaux M, Dey D, Slomka P, Berman DS, Tamarappoo B. Molecular imaging of vulnerable coronary plaque: a pathophysiologic perspective. *J Nucl Med*. 2017 Mar;58(3):359-364.
<http://jnm.snmjournals.org/content/58/3/359.long>.

Elboudwarej O, Phan D, Patel JK, Liou F, Aintablian T, Osborne A, Yu Z, Reinsmoen N, Kobashigawa JA. Corticosteroid wean after heart transplantation-Is there a risk for antibody formation? *Clin Transplant*. 2017 Apr;31(4).
<http://onlinelibrary.wiley.com/doi/10.1111/ctr.12916/abstract>.

Cheng R, Vanichsarn C, Patel JK, Currier J, Chang DH, Kittleson MM, Makkar R, Kobashigawa JA, Azarbal B. Long-term clinical and angiographic outcomes of percutaneous coronary intervention with everolimus-eluting stents for the treatment of cardiac allograft vasculopathy. *Catheter Cardiovasc Interv*. 2016 Nov. <http://onlinelibrary.wiley.com/doi/10.1002/ccd.26830/epdf>.

Betancur J, Rubeaux M, Fuchs T, Otaki Y, Arnson Y, Slipczuk L, Benz D, Germano G, Dey D, Lin CJ, Berman D, Kaufmann P, Slomka P. Automatic valve plane localization in myocardial perfusion SPECT/CT by machine learning: anatomical and clinical validation. *J Nucl Med*. 2016 Nov 3. pii: jnumed.116.179911. <http://jnm.snmjournals.org/content/early/2016/11/02/jnumed.116.179911.lo%20ng>.

Cheng R, Tat E, Siegel RJ, Arsanjani R, Hussaini A, Makar M, Mizutani Y, Trento A, Kar S. Mitral annular calcification is not associated with decreased procedural success, durability of repair, or left ventricular remodelling in percutaneous edge-to-edge repair of mitral regurgitation. *EuroIntervention*. 2016 Oct 20;12(9):1176-1184. <https://www.pcronline.com/eurointervention/>.

Kehl DW, Rader F, Pollick C, Trento A, Siegel RJ. Medical management (β blocker \pm disopyramide) of left ventricular outflow gradient secondary to systolic anterior motion of the mitral valve after repair. *Am J Cardiol*. 2016 Oct 1;118(7):1053-1056. <http://www.sciencedirect.com/science/article/pii/S0002914916312553>.

Mekonnen G, Hayek SS, Mehta PK, Li Q, Mahar E, Mou L, Kenkre TS, Petersen JW, Azarbal B, Samuels B, Anderson RD, Sedlak T, Zaya M, Agarwal M, Haftbaradaran A, Minissian M, Handberg E, Pepine CJ, Cogle CR, Bairey Merz CN, Waller EK, Quyyumi AA. Circulating progenitor cells and coronary microvascular dysfunction: Results from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation - Coronary Vascular Dysfunction Study (WISE- CVD). *Atherosclerosis*. 2016 Oct;253:111-117. <http://www.sciencedirect.com/science/article/pii/S0021915016312874>.

Cheng R, Ramzy D, Azarbal B, Arabia FA, Esmailian F, Czer LS, Kobashigawa JA, Moriguchi JD. Device strategies for patients in INTERMACS profiles 1 and 2 cardiogenic shock: double bridge with extracorporeal membrane oxygenation and initial implant of more durable devices. *Artif Organs*. 2017 Mar;4(13):224- 232. <http://onlinelibrary.wiley.com/doi/10.1111/aor.12758/abstract>.

Ebinger JE, Porten BR, Strauss CE, Garberich RF, Han C, Wahl SK, Sun BC, Abdelhadi RH, Henry TD. Design, challenges and implications of quality improvement projects using the electronic medical record: case study: a protocol to reduce the burden of postoperative atrial fibrillation. *Circ Cardiovasc Qual Outcomes*. 2016 Sep;9(5):593-599. <http://circoutcomes.ahajournals.org/content/9/5/593>.

Kehl DW, Buttan A, Siegel RJ, Rader F. Clinical utility of natriuretic peptides and troponins in hypertrophic cardiomyopathy. *Int J Cardiol*. 2016 Sep 1;218:252-258. [http://www.internationaljournalofcardiology.com/article/S0167-5273\(16\)30935-4/fulltext](http://www.internationaljournalofcardiology.com/article/S0167-5273(16)30935-4/fulltext).

Westerdahl DE, Chang DH, Hamilton MA, Nakamura M, Henry TD. Allogeneic mesenchymal precursor cells (MPCs): an innovative approach to treating advanced heart failure. *Expert Opin Biol Ther*. 2016 Sep;16(9):1163-1169. <http://www.tandfonline.com/doi/full/10.1080/14712598.2016.1206526>.

Cheng R, Azarbal B, Yung A, Patel JK, Chang DH, Liou F, Makkar R, Kobashigawa JA. Elevated immune monitoring as measured by increased adenosine triphosphate production in activated lymphocytes is associated with accelerated development of cardiac allograft vasculopathy after cardiac transplantation. *J Heart Lung Transplant*. 2016 Aug;35(8):1018-1023. [http://www.jhltonline.org/article/S1053-2498\(16\)30069-9/abstract](http://www.jhltonline.org/article/S1053-2498(16)30069-9/abstract).

Rafique AM, Zarrini P, Singh N, Beigel R, Tadwalkar R, Chonde M, Slipczuk L, Cercek B, Kar S, Siegel RJ. Echo-Doppler determinants of outcomes in patients with unoperated significant mitral regurgitation in current era. *Open Heart*. 2016 Aug 1;3(2):e000378. <http://openheart.bmj.com/content/3/2/e000378>.

Ciozda W, Kedan I, Kehl DW, Zimmer R, Khandwalla R, Kimchi A. The efficacy of sonographic measurement of inferior vena cava diameter as an estimate of central venous pressure. *Cardiovasc Ultrasound*. 2016 Aug 20;14(1):33. <https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-016-0076-1>.

Krishnan SK, Henry TD. The bare naked truth... "excuse me but your metal is showing!" *Catheter Cardiovasc Interv*. 2016 Jul;88(1):36-37. <http://onlinelibrary.wiley.com/wol1/doi/10.1002/ccd.26637/abstract>.

Cole RM, Kobashigawa JA. Desensitization strategies pre- and post-cardiac transplantation. *Curr Treat Options Cardiovasc Med*. 2016 Feb;18(2):8. <http://link.springer.com/article/10.1007%2Fs11936-015-0431-9>.

Krishnan SK. If you're not at the table, you're on the menu: a rallying cry for fellows-in-training. *J Am Coll Cardiol*. 2016 Feb;67(5):593-595. <http://www.sciencedirect.com/science/article/pii/S0735109715077943>.

Westerdahl DE, Henry TD. "More may mean less..." the role for simulation-based medical education in the cardiac catheterization laboratory. *Catheter Cardiovasc Interv*. 2016 Feb 15;87(3):389-390. <http://onlinelibrary.wiley.com/doi/10.1002/ccd.26445/abstract>.

Shufelt C, Elboudwarej O, Johnson BD, Mehta P, Bittner V, Braunstein G, Berga S, Staczyk F, Dwyer K, Bairey Merz CN. Carotid artery distensibility and hormone therapy and menopause: the Los Angeles Atherosclerosis Study. *Menopause*. 2016 Feb;23(2):150-57. https://journals.lww.com/menopausejournal/Abstract/2016/02000/Carotid_artery_distensibility_and_hormone_therapy.8.aspx.

Tat E, Cheng R, Helfenstein JS. Forty years of chest pain: a case report and contemporary review of the diagnostic and therapeutic options for myocardial bridging. *Rev Cardiovasc Med*. 2016;17(1-2):69-75. http://read.nxtbook.com/medreviews/reviewscardiovascularmedicine/volume_17no1_2/casereview_fortyyearschestpain.html.

Azarbal B, Cheng R, Vanichsarn C, Patel JK, Czer LS, Chang DH, Kittleson MM, Kobashigawa JA. Induction therapy with antithymocyte globulin in patients undergoing cardiac transplantation is associated with decreased coronary plaque progression as assessed by intravascular ultrasound. *Circ Heart Fail*. 2016 Jan;9(1):e002252. <http://circheartfailure.ahajournals.org/content/9/1/e002252.long>.

Lange DC, Rokos IC, Larson DC, Sharkey SW, French WJ, Koenig WJ, Henry TD. A decade of progress in regional ST-segment elevation myocardial infarction systems of care: a tale of two cities. *Rev Cardiovasc Med*. 2016;17(1-2):1-6. <http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/17/no/1/decade-progress-in-regional-st-segment-elevation-myocardial-infarction-systems-care-tale-two-cities>.

Lange DC, Kern MJ. A closer look at fractional flow reserve in complex anatomic subsets: left main disease, bifurcation lesions, and saphenous vein grafts. *Rev Cardiovasc Med*. 2016;17(1-2):7-15. <http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/17/no/1/closer-look-fractional-flow-reserve-in-complex-anatomic-subsets-left-main-disease-bifurcation-lesions-and-saphenous-vein>.

Slipczuk L, Rafique AM, Davila CD, Beigel R, Pressman GS, Siegel RJ. The role of medical therapy in moderate to severe degenerative mitral regurgitation. *Rev Cardiovasc Med*. 2016;17(1-2):28-39. <http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/17/no/1/role-medical-therapy-in-moderate-severe-degenerative-mitral-regurgitation>.

Krishnan SK, Lepor NE. Acute and chronic cardiovascular effects of hyperkalemia: new insights into prevention and clinical management. *Rev Cardiovasc Med*. 2016;17(S1):S9-S21. <http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/15/no/1/acute-and-chronic-cardiovascular-effects-hyperkalemia-new-insights-prevention-and-clinical-management>.

Westerdahl DE. The necessity of high-fidelity simulation in cardiology training programs. *J Am Coll Cardiol*. 2016;67(11):1375-1378. <http://www.sciencedirect.com/science/article/pii/S073510971600485X>.

Xie Y, McDivitt AM, Castellanos LR. A young man with an unusual cause of palpitations. *Cleve Clin J Med*. 2015 Dec;82(12):820-827. <http://www.mdedge.com/ccjm/article/104650/>.

Xie Y, Collins WJ, Audeh MW, Shiao SL, Gottlieb RA, Goodman MT, Merz CN, Mehta PK. Breast cancer survivorship and cardiovascular disease: emerging approaches in cardio-oncology. *Curr Treat Options Cardiovasc Med*. 2015 Dec;17(12):60. <https://link.springer.com/article/10.1007%2Fs11936-015-0421-y>.

Cheng R, Arsanjani R, Tat E, Cox J, Uberoi A, Aron R, Kar S. Not your typical hole-in-the-wall: percutaneous closure of an acquired post-myocardial infarction ventriculoatrial gerbode defect. *JACC Cardiovasc Interv*. 2015 Dec;8(14):1905-1906. <http://www.sciencedirect.com/science/article/pii/S1936879815014545>.

Lange DC, Henry TD. A “prospective” and “retrospective” view of the hazards of a career in interventional cardiology. *Catheter Cardiovasc Interv*. 2015 Nov;86(5):925-926. <http://onlinelibrary.wiley.com/doi/10.1002/ccd.26245/abstract>.

Tseliou E, Fouad J, Reich H, Slipczuk L, de Couto G, Aminzadeh M, Middleton R, Valle J, Weixin L, Marbañ E. Fibroblasts rendered antifibrotic, antiapoptotic, and angiogenic by priming with cardiosphere-derived extracellular membrane vesicles. *J Am Coll Cardiol*. 2015 Aug;66(6):599-611. <http://www.sciencedirect.com/science/article/pii/S0735109715027291>.

Jilaihawi H, Chakravarty T, Shiota T, Rafique A, Harada K, Shibayama K, Doctor N, Kashif M, Nakamura M, Mirocha J, Rami T, Okuyama K, Cheng W, Sadruddin O, Siegel R, Makkar RR. Heart-rate adjustment of transcatheter haemodynamics improves the prognostic evaluation of paravalvular regurgitation after transcatheter aortic valve implantation. *EuroIntervention*. 2015 Aug;11(4):456-464. <https://www.pcronline.com/eurointervention/ahead-of-print/201412-08/heart-rate-adjustment-of-transcatheter-haemodynamics-improves-the-prognostic-evaluation-of-paravalvular-regurgitation-after-transcatheter-aortic-valve-implantation.html>.

Henry TD, Uberoi AM. Complete revascularisation or culprit artery only in cardiogenic shock: the real shock is the lack of data! *Heart*. 2015 Aug;101(15):1178-1179. <http://heart.bmj.com/content/101/15/1178.long>.

Elboudwarej O, Patel JK, Liou F, Rafiei M, Osborne A, Chai W, Kittleson M, Czer L, Stern L, Esmailian F, Kobashigawa JA. Risk of deep vein thrombosis and pulmonary embolism after heart transplantation: clinical outcomes comparing upper extremity deep vein thrombosis and lower extremity deep vein thrombosis. *Clin Transplant*. 2015 Jul;29(7): 629-635. <http://onlinelibrary.wiley.com/doi/10.1111/ctr.12566/full>.

Secemsky EA, Scherzer R, Nitta E, Wu AH, Lange DC, Deeks SG, Martin JN, Snider J, Ganz P, Hsue PY. Novel biomarkers of cardiac stress, cardiovascular dysfunction, and outcomes in HIV-infected individuals. *JACC Heart Fail*. 2015 Aug;3(8):591-599. <http://www.sciencedirect.com/science/article/pii/S2213177915002796>.

Lange DC, Glidden D, Secemsky EA, Ordovas K, Deeks SG, Martin JN, Bolger AF, Hsue PY. Mitral annular and coronary artery calcification are associated with mortality in HIV-infected individuals. *PLOS One*. 2015 Jul 1;10(7):e0130592.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0130592>.

Ebinger J, Sedighi Manesh R, Dhaliwal G, Sharpe B, Monash B. A coat with a clue. *J Hosp Med*. 2015 Jul;10(7):462-466.

<https://www.journalofhospitalmedicine.com/jhospmed/article/128288/coat-clue>.

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

<http://www.sciencedirect.com/science/article/pii/S2213177915000888>.

Young A, Cheng R, Wei J, Esmailian F, Currier J, Azarbal B. Prevalence of coronary artery fistulae after cardiac surgery. Comparison between coronary artery bypass grafting, valve surgery, and orthotopic heart transplantation. *Herz*. 2015 Mar;40 Suppl 1:51-55.

<http://link.springer.com/article/10.1007%2Fs00059-014-4053-x>.

Haftbaradaran A, Zaya M, Mehta PK, Shufelt C, Lentz G, Dhawan S, Petersen J, Handberg E, Johnson BD, Pepine CJ, et al. Five-year stroke rate in women with signs and symptoms of ischemia undergoing coronary angiography: a retrospective study from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE). *JRSM Open*. 2015 Mar 18;6(3):2054270415577761.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4372570>.

Nguyen BL, Capotosto L, Persi A, Placanica A, Rafique A, Piccirillo G, Gaudio C, Gang ES, Siegel RJ, Vitarelli A. Global and regional left ventricular strain indices in post-myocardial infarction patients with ventricular arrhythmias and moderately abnormal ejection fraction. *Ultrasound Med Biol*. 2015 Feb;41(2):407-417.

<http://www.sciencedirect.com/science/article/pii/S0301562914006437>.

Jilaihawi H, Doctor N, Chakravarty T, Kashif M, Mirocha J, Cheng W, Lill M, Nakamura M, Gheorghiu M, Makkar RR. Major thrombocytopenia after balloon-expandable transcatheter aortic valve replacement: prognostic implications and comparison to surgical aortic valve replacement. *Catheter Cardiovasc Interv*. 2015 Jan 1;85(1):130-137.

<http://onlinelibrary.wiley.com/doi/10.1002/ccd.25430/abstract>.

Cheng R, Azarbal A, Currier J, Thomson LE, Hamilton MA, Esmailian F, Azarbal B. Tricuspid regurgitation, the forgotten valvular lesion — a contemporary review of etiology, prevalence and management options. *Rev Cardiovasc Med*. 2015;16(3):171-181.

<http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/16/no/3/tricuspid-regurgitation-forgotten-valvular-lesion-contemporary-review-etiology-prevalence-and-management-options>.

Cheng R, Azarbal B, Yung A, Chang DH, Patel JK, Kobashigawa JA. Elevated immune monitoring early after cardiac transplantation is associated with increased plaque progression by intravascular ultrasound. *Clin Transplant*. 2015;29(2):103-109. <http://onlinelibrary.wiley.com/doi/10.1111/ctr.12489/abstract>.

Cheng R, Chan AP, Ehdaie A, Bersohn MM. Heeding the sign: macroscopic T- wave alternans. *Am J Med*. 2015 May;128(5):480-483. [http://www.amjmed.com/article/S0002-9343\(15\)00074-1/abstract](http://www.amjmed.com/article/S0002-9343(15)00074-1/abstract).

Cheng R, Hachamovitch R, Makkar R, Ramzy D, Moriguchi JD, Arabia FA, Esmailian F, Azarbal B. Lack of survival benefit found with use of intraaortic balloon pump in extracorporeal membrane oxygenation: a pooled experience of 1517 patients. *J Invasive Cardiol*. 2015 Oct;27(10):453-458. <http://www.invasivecardiology.com/node/5922>.

Elboudwarej O, Wei J, Siegel R. Diagnosis of an aortic valvular lesion. *Heart*. 2015;101(9):719-726. <http://heart.bmj.com/content/101/9/719.extract>.

Khachatryan T, Lange D, Ramzy D, Siegel RJ, Arsanjani R. Inverted left atrial appendage after cardiac procedure. *Eur Heart J Cardiovasc Imaging*. 2015;16(9):1047. <http://ehjcm.oxfordjournals.org/content/16/9/1047>.

Kobashigawa J, Patel J, Azarbal B, Kittleson M, Chang D, Czer L, Daun T, Luu M, Treto A, Cheng R, Esmailian F. Randomized pilot trial of gene expression profiling versus heart biopsy in the first year after heart transplant: early invasive monitoring attenuation through gene expression trial. *Circ Heart Fail*. 2015;8(3):557-564. <http://circheartfailure.ahajournals.org/content/8/3/557>.

Zarrini P, Elboudwarej O, Luthringer D, Siegel R. Rare mycotic aneurysm of the mitral valve without aortic valve involvement. *Echocardiography*. 2015 Sep;32(9):1428-1431. <http://onlinelibrary.wiley.com/doi/10.1111/echo.12942/abstract>.

Jilaihawi H, Makkar RR, Kashif M, Okuyama K, Chakravarty T, Shiota T, Friede G, Nakamura M, Doctor N, Rafique A, Shibayama K, Mihara H, Trento A, Cheng W, Friedman J, Berman D, Fontana GP. A revised methodology for aortic-valvar complex calcium quantification for transcatheter aortic valve implantation. *Eur Heart J Cardiovasc Imaging*. 2014 Dec;15(12):1324-1332. <https://academic.oup.com/ehjcm.oxfordjournals.org/article/15/12/1324/2397819>.

Okuyama K, Jilaihawi H, Kashif M, Takahashi N, Chakravarty T, Pokhrel H, Patel J, Forrester JS, Nakamura M, Cheng W, Makkar RR. Transfemoral access assessment for transcatheter aortic valve replacement: evidence- based application of computed tomography over invasive angiography. *Circ Cardiovasc Imaging*. 2014 Dec 31;8(1). pii: e001995. <http://circimaging.ahajournals.org/content/8/1/e001995.long>.

Cheng R, Chakravarty T. Piezoelectric electrocardiographic artifact in a patient after surgery with bradycardia and hypotension. *Ann Noninvasive Electrocardiol*. 2014 Nov;19(6):598-600. <https://onlinelibrary.wiley.com/doi/abs/10.1111/anec.12154>.

Ma W, Shehata M, Cingolani E, Ehdaie A, Chugh SS, Wang X. Postablation scar-related atrial tachycardia: turning the spotlight on P-wave analysis and window settings. *Circ Arrhythm Electrophysiol*. 2014 Aug;7(4):755-759. <http://circep.ahajournals.org/content/7/4/755.long>.

Nakamura M, Chakravarty T, Jilaihawi H, Doctor N, Dohad S, Fontana G, Cheng W, Makkar RR. Complete percutaneous approach for arterial access in transfemoral transcatheter aortic valve replacement: a comparison with surgical cut-down and closure. *Catheter Cardiovasc Interv*. 2014 Aug 1;84(2):293-300. <http://onlinelibrary.wiley.com/doi/10.1002/ccd.25130/abstract>.

Cheng R, Hachamovitch R, Kittleson M, Patel J, Arabia F, Moriguchi J, Esmailian F, Azarbal B. Clinical outcomes in fulminant myocarditis requiring extracorporeal membrane oxygenation: a weighted meta-analysis of 170 patients. *J Card Fail*. 2014 Jun;20(6):400-406. [http://www.onlinejcf.com/article/S1071-9164\(14\)00123-7/abstract](http://www.onlinejcf.com/article/S1071-9164(14)00123-7/abstract).

Naganuma T, Chieffo A, Meliga E, Capodanno D, Park SJ, Onuma Y, Valgimigli M, Jegere S, Makkar RR, Palacios IF, Costopoulos C, Kim YH, Buszman PP, Chakravarty T, Sheiban I, Mehran R, Naber C, Margey R, Agnihotri A, Marra S, Capranzano P, Leon MB, Moses JW, Fajadet J, Lefevre T, Morice MC, Erglis A, Tamburino C, Alfieri O, Serruys PW, Colombo A. Long-term clinical outcomes after percutaneous coronary intervention versus coronary artery bypass grafting for ostial/midshaft lesions in unprotected left main coronary artery from the DELTA registry: a multicenter registry evaluating percutaneous coronary intervention versus coronary artery bypass grafting for left main treatment. *JACC Cardiovasc Interv*. 2014 Apr;7(4):354-361. <http://www.sciencedirect.com/science/article/pii/S1936879814004385>.

Makkar RR, Jilaihawi H, Mack M, Chakravarty T, Cohen DJ, Cheng W, Fontana GP, Bavaria JE, Thourani VH, Herrmann HC, Pichard A, Kapadia S, Babaliaros V, Whisenant BK, Kodali SK, Williams M, Trento A, Smith CR, Teirstein PS, Cohen MG, Xu K, Tuzcu EM, Webb JG, Leon MB. Stratification of outcomes after transcatheter aortic valve replacement according to surgical inoperability for technical versus clinical reasons. *J Am Coll Cardiol*. 2014 Mar 11;63(9):901-911. <http://www.sciencedirect.com/science/article/pii/S0735109713056659>.

Cheng R, Hachamovitch R, Kittleson M, Patel J, Arabia F, Moriguchi J, Esmailian F, Azarbal B. Complications of extracorporeal membrane oxygenation for treatment of cardiogenic shock and cardiac arrest: a meta-analysis of 1,866 adult patients. *Ann Thorac Surg*. 2014 Feb;97(2):610-616. <http://www.sciencedirect.com/science/article/pii/S0003497513020055>.

Zaya M, Mehta PK, Bairey Merz CN. Provocative testing for coronary reactivity and spasm. *J Am Coll Cardiol*. 2014 Jan 21;63(2):103-109. <http://www.sciencedirect.com/science/article/pii/S0735109713058828>.

Krishnan S, Lepor NE. ACC.14: update on the prevention, diagnosis, and treatment of cardiovascular disease. *Rev Cardiovasc Med*. 2014;15(2):178- 188.
<http://medreviews.com/journal/reviews-in-cardiovascular-medicine/vol/15/no/2/acc14-update-prevention-diagnosis-and-treatment-cardiovascular-disease>.

Slipczuk L, Trento A, Luo H, Siegel RJ. Competent mitral valve after annulus ring removal for infective endocarditis. *J Heart Valve Dis*. 2013 Nov;22(6):843-845. <https://www.icr-heart.com/?cid=3760&g=3>.

Slipczuk L, Beigel R, Siegel RJ. Surgery vs watchful waiting for mitral regurgitation. *JAMA*. 2013;310(19):2098-2099. <http://jama.jamanetwork.com/article.aspx?articleid=1779524>.

Chakravarty T, Jilaihawi H, Nakamura M, Kashif M, Kar S, Cheng W, Makkar R. Pre-emptive positioning of a coronary stent in the left anterior descending artery for left main protection: a prerequisite for transcatheter aortic valve-in-valve implantation for failing stentless bioprostheses? *Catheter Cardiovasc Interv*. 2013 Oct 1;82(4):E630-636.
<http://onlinelibrary.wiley.com/doi/10.1002/ccd.25037/abstract>.

Makkar RR, Jilaihawi H, Chakravarty T, Fontana GP, Kapadia S, Babaliaros V, Cheng W, Thourani VH, Bavaria J, Svensson L, Kodali S, Shiota T, Siegel R, Tuzcu EM, Xu K, Hahn RT, Herrmann HC, Reisman M, Whisenant B, Lim S, Beohar N, Mack M, Teirstein P, Rihal C, Douglas PS, Blackstone E, Pichard A, Webb JG, Leon MB. Determinants and outcomes of acute transcatheter valve-in-valve therapy or embolization: a study of multiple valve implants in the U.S. PARTNER trial (Placement of AoRTic TraNscathetER Valve Trial Edwards SAPIEN Transcatheter Heart Valve). *J Am Coll Cardiol*. 2013 Jul 30;62(5):418-430.
<http://www.sciencedirect.com/science/article/pii/S0735109713018792>.

Jilaihawi H, Doctor N, Kashif M, Chakravarty T, Rafique A, Makar M, Furugen A, Nakamura M, Mirocha J, Gheorghiu M, Stegic J, Okuyama K, Sullivan DJ, Siegel R, Min JK, Gurudevan SV, Fontana GP, Cheng W, Friede G, Shiota T, Makkar RR. Aortic annular sizing for transcatheter aortic valve replacement using cross-sectional 3-dimensional transesophageal echocardiography. *J Am Coll Cardiol*. 2013 Mar 5;61(9):908-916.
<http://www.sciencedirect.com/science/article/pii/S0735109712059827>.

Chakravarty T, Jilaihawi H, Doctor N, Fontana G, Forrester JS, Cheng W, Makkar R. Complications after transfemoral transcatheter aortic valve replacement with a balloon-expandable prosthesis: The importance of preventative measures and contingency planning. *Catheter Cardiovasc Interv*. 2013 Feb 21.
<http://onlinelibrary.wiley.com/doi/10.1002/ccd.24888/epdf>.

White AJ, Smith RR, Matsushita S, Chakravarty T, Czer LS, Burton K, Schwarz ER, Davis DR, Wang Q, Reinsmoen NL, Forrester JS, Marbañ E, Makkar R. Intrinsic cardiac origin of human cardiosphere-derived cells. *Eur Heart J*. 2013 Jan;34(1):68-75.
<https://academic.oup.com/eurheartj/article/34/1/68/482762>.