

Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

2020 Abstracts	<p>Abdelaziz H, Megaly M, Debski M, Rahbi H, Kamal D, Saad M, Wiper A, More R, Roberts D. Percutaneous or surgical access in transfemoral transcatheter aortic valve implantation: systematic review and updated meta-analysis. ACC 2020. March 28th, 2020.</p> <p>Abraham B, Megaly M, Sous M, Louka B, Fraser R, Szpunar S, Goldsmith S, Simegn M, Bart B, Azzo ZR, Mesiha N. Impact of torsemide on cardiac remodeling and renin-angiotensin-aldosterone system in heart failure patients. ACC 2020. March 28th, 2020.</p> <p>Ahmed A, Cavalcante J, Gössl M, Ukaigwe A, Schmidt CW, Du Y, Lopes B, Bae R, Sorajja P. Prevalence and prognosis of mitral disease due to mitral annular calcification. Presented at ESC Congress 2020 ePoster session. August 28th 2020.</p> <p>Buda K, Megaly M, Omer M, Xenogiannis I, Brilakis E. Use of radiation protection measures in live percutaneous coronary interventions cases in interventional scientific meetings. ACC 2020. March 28th, 2020.</p> <p>Elbadawi A, Elgendy I, Omer M, Ogunbayo G, Paniagua D, Jneid H. Temporal trends and outcomes of elective thoracic aortic aneurysm repair versus aneurysm related acute aortic syndromes, insights from a national database. ACC 2020. March 28th, 2020.</p> <p>Elbadawi A, Elzeneini M, Elgendy I, Omer M, Ogunbayo G, Megaly M, Jneid H. Temporal trends and outcomes of coronary artery bypass grafting after acute st-elevation myocardial infarction. Presented virtually at AHA 2020.</p> <p>Elbadawi A, Mahmoud A, Elgendy I, Omer M, Ogunbayo G, Denktas A, Paniagua D, Jneid H. Temporal trends and outcomes of elective aortic repair and acute aortic syndromes in patients with bicuspid aortic valves. ACC 2020. March 28th, 2020.</p> <p>Karacsonyi J, Schmidt C, Garcia S, Henry T, Rangan B, Nikolakopoulos I, Vemmou E, Xenogiannis I, Goessl M, Sorajja P, Chavez I, Mooney M, Poulouse A, Traverse J, Wang Y, Baran K, Bradley S, Megaly M, Garberich R, Ungi I, Burke M.N, Brilakis E. Outcomes of patients with st elevation myocardial infarction and history of prior coronary artery bypass graft surgery. Presented virtually at AHA 2020.</p> <p>Megaly M, Abraham B, Omer M, Elbadawi A, Saad M, Mentias A, Xenogiannis I, Narayanan M, Banerjee S, Alaswad K, Rinfret S, Garcia S, Pershad A, Azzalini L, Knaapen P, Tscuhikane E, Gershlick A, Burke MN, Brilakis E. Outcomes of chronic total occlusion percutaneous coronary intervention in patients with prior coronary artery bypass graft surgery. ACC 2020. March 28th, 2020.</p> <p>Megaly M, Brilakis E, Garcia S, Burke MN, Cavalcante J. Impact of chronic total occlusion revascularization on left ventricular function assessed by cardiac magnetic resonance. Presented virtually at TCT 2020.</p>
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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

Megaly M, Brilakis E, **Omer M**, Alexander J, Titus J, Garcia S. Outcomes with MANTA device for large-bore access closure after transcatheter aortic valve replacement. Presented virtually at TCT 2020.

Megaly M, Garcia S, Sorajja P, Lesser J, Goessl M, Cavalcante J. cardiac amyloidosis is underdiagnosed in patients undergoing transcatheter aortic valve replacement. Presented virtually at TCT 2020.

Megaly M, Glogoza M, Burke MN, Brilakis E. Use of intravascular imaging in patients with st-segment elevation acute myocardial infarction. Presented virtually at TCT 2020.

Megaly M, Glogoza M, Xenogiannis I, Vemmou E, Nikolakopoulos I, Willson L, Monyak DJ, Sullivan P, Stanberry L, Sorajja P, Chavez I, Mooney MR, Traverse J, Wang Y, Garcia S, Poulouse A, Burke MN, Brilakis E. Outcomes of intravascular brachytherapy in recurrent drug-eluting in-stent restenosis. ACC 2020. March 28th, 2020.

Megaly M, Han K, Mudy K, **Omer M**, Garcia S. Outcomes of percutaneous and surgical pulmonary valve implantation. Presented virtually at TCT 2020.

Megaly M, Sorajja P, Cavalcante J, Garcia S. Ischemic stroke with cerebral protection system during transcatheter aortic valve replacement. Presented virtually at TCT October 15th, 2020.

Megaly M, Vemmou E, Nikolakopoulos I, Karacsonyi J, Garcia S, Burke MN, Brilakis E. Complications and failure modes of coronary microcatheters. insights from the manufacturer and user facility device experience (maude) database. Presented at virtually at TCT 2020.

Nikolakopoulos I, Karpaliotis D, Choi J, Khatri J, Doing A, Dattilo P, Rafeh NA, Maalouf a, Jaoudeh FA, Aguilar HT, Shad A, Moses J, Lembo NJ, Kirtane A, Parikh M, Ali Z, **Megaly M**, Vemmou E, Xenogiannis I, Rangan B, Abdullah S, Banerjee S, Garcia S, Burke MN, Brilakis E. Follow-up outcomes of chronic total occlusion percutaneous coronary interventions in patients with and without prior coronary artery bypass graft surgery: insights from the PROGRESS-CTO Registry. ACC 2020. March 29th, 2020.

Nikolakopoulos I, Patel T, Sheikh A, Jaber WA, Samady H, Khatri J, Yeh RW, Aguilar H, Koutouzis M, Tsaifoutis I, Jaffer F, Doing A, Dattilo P, Uretsky BF, Toma C, Elbarouni B, **Omer M**, Vemmou E, Xenogiannis I, Rangan B, Abdullah S, Banerjee S, Garcia S, Burke MN, Brilakis E. Distal versus proximal transradial access in chronic total occlusion percutaneous coronary intervention: procedural and long-term outcomes from the progress CTO registry. ACC 2020. March 28th, 2020.

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

	<p>Traverse J, Garcia S. Clinical characteristics and outcomes of st-segment elevation myocardial infarction patients with cardiogenic shock and cardiac arrest. ACC 2020. March 28th, 2020.</p> <p>Qarajeh R, Omer M, Brandt H, Safley D, Borkon AM, Everly M, Fendler T, Kao A, Khumri T, Lawhorn S, Magalski A, Nassif M, Vodnala D, Austin B, Sperry B. Association between donor transmitted atherosclerosis and cardiovascular outcomes after heart transplant. ACC 2020. March 29th, 2020.</p> <p>Tulai I, Harris K, Askew J, Sengupta J, Cavalcante JL, Orlandi Q. Mitral valve prolapse: when does it stop being benign? ACC 2020. March 29th, 2020.</p> <p>Vemmou E, Khatri J, Doing A, Dattilo P, Toma C, Jaffer F, Karpaliotis D, Sheikh A, Samady H, Alaswad K, Chandwaney R, Garcia S, Megaly M, Omer M, Stanberry L, Xenogiannis I, Nikolakopoulos I, Gkargkoulas F, Jaber WA, Patel T, Jefferson B, Rangan B, Burke MN, Banerjee S, Brilakis E. Intravascular ultrasound use for stent optimization and 1-year outcomes in patients undergoing CTO-PCI: insights from the PROGRESS-CTO registry. ACC 2020. March 28th, 2020.</p> <p>Xenogiannis I, Karpaliotis D, Krestyaninov O, Khelimskii D, Khatri J, Alaswad K, Doing A, Dattilo P, Jaffer F, Patel MP, Mahmid E, Jaber W, Samady H, Chandwaney R, Gkargkoulas F, Ali Z, Megaly M, Omer M, Vemmou E, Nikolakopoulos I, Garberich R, Rangan B, Abdullah S, Burke MN, Brilakis E. Follow-up outcomes after chronic total occlusion percutaneous coronary intervention: does successful revascularization matter? ACC 2020. March 29th, 2020.</p>
<p>2020 Publications</p>	<p>Abdelaziz, H. K., Megaly, M., Debski, M., Rahbi, H., Kamal, D., Saad, M., Wiper, A., More, R., & Roberts, D. H. (2020). Meta-Analysis Comparing Percutaneous to Surgical Access in Trans-Femoral Transcatheter Aortic Valve Implantation. The American journal of cardiology, 125(8), 1239–1248. https://doi.org/10.1016/j.amjcard.2020.01.021</p> <p>Abraham, B., Megaly, M., Sous, M., Fransawyalkomos, M., Saad, M., Fraser, R., Topf, J., Goldsmith, S., Simegn, M., Bart, B., Azzo, Z., Mesiha, N., & Sharma, R. (2020). Meta-Analysis Comparing Torsemide Versus Furosemide in Patients With Heart Failure. The American journal of cardiology, 125(1), 92–99. https://doi.org/10.1016/j.amjcard.2019.09.039</p> <p>Abraham, B., Sedhom, R., Megaly, M., Saad, M., Elbadawi, A., Elgendy, I. Y., Omer, M., Narayanan, M. A., Mena-Hurtado, C., Pershad, A., Shamoun, F., Lalonde, T., & Attallah, A. (2021). Outcomes with catheter-directed thrombolysis compared with anticoagulation alone in patients with acute deep venous thrombosis. Catheterization and cardiovascular interventions: official journal of the Society for Cardiac Angiography & Interventions, 97(1), E61–E70. https://doi.org/10.1002/ccd.29226</p>

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

2015 Publications	<p>Kalra A, Maron MS, Rowin EJ, Colgan TK, Lesser JR, Maron BJ. Coronary embolization in hypertrophic cardiomyopathy with left ventricular apical aneurysm. <i>Am J Cardiol.</i> 2015 May 1;115(9):1318-9. doi: 10.1016/j.amjcard.2015.02.016. Epub 2015 Feb 12. PubMed PMID: 25759101.</p> <p>Maron BJ, Rowin EJ, Kalra A, Lesser JR, Maron MS. Reply: To PMID 25759101. <i>Am J Cardiol.</i> 2015 Aug 1;116(3):492-3. doi: 10.1016/j.amjcard.2015.05.001. Epub 2015 May 21. PubMed PMID: 26059868</p> <p>Kalra A, Pokharel Y, Hira RS, Risch S, Vicera V, Li Q, Kalra RN, Kerkar PG, Kumar G, Maddox TM, Oetgen WJ, Glusenka N, Turakhia MP, Virani SS. Cardiovascular Disease Performance Measures in the Outpatient Setting in India: Insights From the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP). <i>J Am Heart Assoc.</i> 2015 May 20;4(5). pii: e001910. doi: 10.1161/JAHA.115.001910. PubMed PMID: 25994444; PubMed Central PMCID: PMC4599418.</p> <p>Lipman HI, Kalra A, Kirkpatrick JN. Foundations of medical decision-making for older adults with cardiovascular disease. <i>J Geriatr Cardiol.</i> 2015 Jul;12(4):335-9. doi: 10.11909/j.issn.1671-5411.2015.04.004. PubMed PMID: 26347213; PubMed Central PMCID: PMC4554783.</p> <p>Kalra A, Simegn MA, Bart BA. Inpatient Cardiology Consultation Service: Transitioning Fellows-in-Training to Independent Cardiovascular Consultants. <i>J Am Coll Cardiol.</i> 2015 Aug 18;66(7):867-70. doi: 10.1016/j.jacc.2015.06.1320. PubMed PMID: 26271071.</p> <p>Kalra A, Harris KM, Kische S, Alden P, Schumacher C, Nienaber CA. Endovascular Repair of Descending Thoracic Aorta in Loeys-Dietz II Syndrome. <i>Ann Vasc Surg.</i> 2015 Oct;29(7):1452.e17-21. doi: 10.1016/j.avsg.2015.04.071. Epub 2015 Jun 26. PubMed PMID: 26122412.</p> <p>Maron BJ, Rowin EJ, Kalra A, Lesser JR, Maron MS. Reply: To PMID 25759101. <i>Am J Cardiol.</i> 2015 Aug 1;116(3):492-3. doi: 10.1016/j.amjcard.2015.05.001. PubMed PMID: 26059868</p> <p>Johnson BK, Garberich RF, Henry TD, Katsiyannis WT, Sengupta J, Kalra A, Hauser RG, Lardy ME, Newell MC. Eligibility and utilization of implantable cardioverter-defibrillators in a regional STEMI system. <i>Heart Rhythm.</i> 2016 Feb;13(2):538-46. doi: 10.1016/j.hrthm.2015.10.019. Epub 2015 Oct 13. PubMed PMID: 26576706.</p>
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Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

2014 Abstracts	<p>Ankur Kalra, Farnaaz Kia (2012 intern), Benjamin Johnson, Marc Newell, Ross Garberich, John Lesser, Raed Abdelhadi, Timothy Henry, Jay Sengupta. Post-Myocardial Infarction Risk Stratification of Patients at Risk for Sudden Cardiac Arrest by Contrast-Enhanced Magnetic Resonance Imaging Scar Quantification. Oral contribution presented at the American College of Cardiology's 2014 Scientific Session and Expo held March 29-31 in Washington, DC. Note: This study was selected as a finalist in the ACC's Young Investigator Award competition.</p>
2014 Publications	<p>Kohl LP, Garberich RF, Yang H, Sharkey SW, Burke MN, Lips DL, Hildebrandt DA, Larson DM, Henry TD. Outcomes of primary percutaneous coronary intervention in ST-segment elevation myocardial infarction patients with previous coronary bypass surgery. <i>JACC Cardiovasc Interv.</i> 2014 Sep;7(9):981-7. doi: 10.1016/j.jcin.2014.04.010. PubMed PMID: 25234670.</p> <p>Garg A, Brodie BR, Stuckey TD, Garberich RF, Tobbia P, Hansen C, Kissling G, Kadokia H, Lips D, Henry TD. New generation drug-eluting stents for ST-elevation myocardial infarction: a new paradigm for safety. <i>Catheter Cardiovasc Interv.</i> 2014 Nov 15;84(6):955-62. doi: 10.1002/ccd.25280. Epub 2014 Aug 11. PubMed PMID: 24174334.</p> <p>Brodie BR, Hansen C, Garberich RF, Browning JA, Tobbia P, Handran CB, Burke MN, Kadokia H, Stuckey TD, Henry TD. ST-segment elevation myocardial infarction resulting from stent thrombosis: an enlarging subgroup of high-risk patients. <i>J Am Coll Cardiol.</i> 2012 Nov 6;60(19):1989-91. doi: 10.1016/j.jacc.2012.07.043. Epub 2012 Oct 10. No abstract available. PMID: 23062533</p> <p>Tsigrelis C, Kalra A. Lung Abscess. First Consult, MD Consult Web Site. Available at: http://www.mdconsult.com/das/pdxmd/body/394417939-1131/0?type=med&eid=9-u1.0- 1 mt 5111610.</p> <p>Book Chapter: Kalra A, Aggarwal A, Kneeland R, Traverse JH. Percutaneous Coronary Intervention in Spontaneous Coronary Artery Dissection: Role of Intravascular Ultrasound. <i>Cardiol Ther.</i> 2014 Dec;3(1-2):61-6. doi: 10.1007/s40119-014-0029-4. Epub 2014 Aug 20. PubMed PMID: 25139465; PubMed Central PMCID: PMC4265227.</p> <p>Kalra A, Kneeland R, Samara MA, Cooper LT Jr. The Changing Role for Endomyocardial Biopsy in the Diagnosis of Giant-Cell Myocarditis. <i>Cardiol Ther.</i> 2014 Dec;3(1-2):53-9. doi: 10.1007/s40119-014-0028-5. Epub 2014 May 9. PubMed PMID: 25135591; PubMed Central PMCID: PMC4265228</p> <p>Kalra A, Maharaj V, Goldsmith SR. Vasopressin receptor antagonists: from pivotal trials to current practice. <i>Curr Heart Fail Rep.</i> 2014 Mar;11(1):10-8. doi: 10.1007/s11897-013-0175-3. Review. PubMed PMID: 24197791.</p> <p>Kalra A, Maharaj V, Johannsen RA, Hollenberg SM. Catheterization laboratory activation during mechanical cardiopulmonary resuscitation: when should we say</p>

Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

	<p>"No?". Catheter Cardiovasc Interv. 2014 Jan 1;83(1):58-64. doi: 10.1002/ccd.25167. Epub 2013 Sep 23. Review. PubMed PMID: 24038710.</p> <p>Kalra A, Shroff GR, Erlie D, Gilbertson DT, Herzog CA. Perflutren-based echocardiographic contrast in patients with right-to-left intracardiac shunts. JACC Cardiovasc Imaging. 2014 Feb;7(2):206-7. doi: 10.1016/j.jcmg.2013.11.003. PubMed PMID: 24524748.</p> <p>Maron BJ, Kalra A. Hypertrophic cardiomyopathy in the developing world: focus on India. Eur Heart J. 2014 Sep 21;35(36):2492-5. doi: 10.1093/eurheartj/ehu280. Epub 2014 Jul 19. PubMed PMID: 25038775.</p> <p>Daley B, Miranda D, Kalra A, Pease D. Profound thrombocytopenia caused by abciximab infusion following. Minn Med. 2014 Oct;97(10):48-9. PubMed PMID:25651641</p> <p>Kalra A. Organizing an International Elective: A Unique Opportunity for Cardiovascular Fellows. J Am Coll Cardiol. 2014;64(22):2429-2431. doi:10.1016/j.jacc.2014.10.014</p> <p>Kalra A, Shroff GR, Herzog CA. Safety of ultrasound contrast agents in patients with intracardiac shunts. J Am Soc Echocardiogr. 2014 Dec;27(12):1359. doi: 10.1016/j.echo.2014.08.021. Epub 2014 Oct 28. PubMed PMID: 25440508.</p> <p>Sandoval Y, Apple FS. The global need to define normality: the 99th percentile value of cardiac troponin. Clin Chem. 2014 Mar;60(3):455-62. doi: 10.1373/clinchem.2013.211706. Epub 2013 Oct 10. Review. PubMed PMID: 24115136.</p> <p>Sandoval Y, Smith SW, Thordsen SE, Apple FS. Supply/demand type 2 myocardial infarction: should we be paying more attention? J Am Coll Cardiol. 2014 May 27;63(20):2079-87. doi: 10.1016/j.jacc.2014.02.541. Epub 2014 Mar 13. PubMed PMID: 24632278.</p> <p>Stendahl JC, Hasan AS, Simegn MA. Massive interventricular septal aneurysm and stroke in a healthy young patient: guilt by association? J Stroke Cerebrovasc Dis. 2014 Mar;23(3):590-1. doi:10.1016/j.jstrokecerebrovasdis.2013.05.010. Epub 2013 Jun 6.</p> <p>Kalra A. Organizing an international elective: a unique opportunity for cardiovascular fellows. J Am Coll Cardiol. 2014 Dec 9;64(22):2429-31; discussion 2431. doi: 10.1016/j.jacc.2014.10.014. Epub 2014 Dec 1. PubMed PMID: 25465426.</p>
<p>2013 Publications</p>	<p>Palaniswamy C, Mishkin A, Aronow WS, Kalra A, Frishman WH. Remote patient monitoring in chronic heart failure. Cardiol Rev. 2013 May-Jun;21(3):141-50. doi: 10.1097/CRD.0b013e318276198b. Review. PubMed PMID: 23018667.</p>

Publications and Abstracts by MHI Cardiology Fellows 2012 – 2020

2012 Abstracts	<p>Louis Kohl, Ross Garberich, Hannah Yang, David Hildebrandt, Timothy Henry. Contemporary Outcomes of ST-elevation Myocardial in Patients with Prior Bypass Graft. Abstract presented at Transcatheter Cardiovascular Therapeutics conference held October 22-26, 2012, in Miami, FL.</p> <p>Michael Tradewell, Louis Kohl, Ross F Garberich, Anil K Poulouse, Randall K Johnson, Jay H Traverse, M Nicholas Burke, Theresa L Arndt, Timothy D Henry. Subsequent Revascularization in "No Option" Patients with Refractory Angina: Etiology and Outcome. Abstract presented at the American Heart Association Scientific Sessions 2012 held November 3-7 in Los Angeles, CA.</p>
2012 Publications	<p>Desai N, Kalra A. Short fourth and fifth metacarpals. JAMA. 2012 Sep 12;308(10):1034-5. doi: 10.1001/2012.jama.11065. No abstract available. PMID: 22968892.</p>