The University of Chicago

Cardiology Fellowship Newsletter

July 2018 Edition

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HAIL TO THE CHIEF

We'd like to welcome Isla McClelland as the new Chief Fellow for the 2018 – 2019 fellowship class! Isla has hit the ground running and will do an outstanding job. Big thanks to Joe Venturini for his incredible work as Chief Fellow for the past year!!

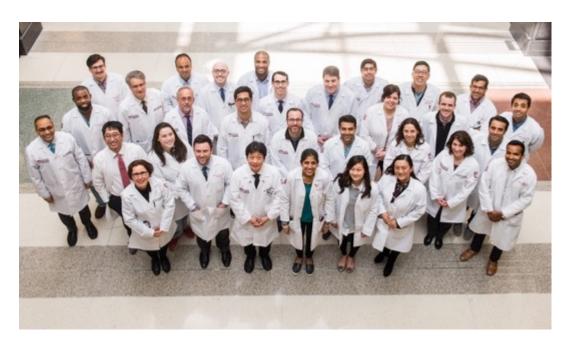
Welcome Our New Fellows

As a new year begins, we are excited to welcome five new Cardiovascular Disease fellows and four new fellows in our subspecialty programs for the 2018-2019 year. We are also delighted to have old friends in new roles in Cardiac Imaging, Interventional Cardiology, and Advanced Heart Failure and Transplant Cardiology.

Our incoming class is an accomplished group and we are confident they will all be great additions to our Section. To get to know each of our new fellows, please see their photos and read their bios on subsequent pages. Here's to a great year!

A Year for the Books: 2017 to 2018 Fellowship Year

We have just completed a remarkable 2017-2018 fellowship year. Our talented fellows made us proud with many accomplishments, honors, and more. They have dedicated many hours to our Section, providing incredible care to our patients, all while developing as leaders, teachers and scientists. On behalf of all Cardiology faculty and staff, we thank you all for your hard work and offer big congratulations to our six graduates.









The New Faces of Cardiology Fellowship

Mark Belkin

I'm originally from Glenview, a suburb North of Chicago. I grew up playing hockey and running cross country and track. I went down to Tulane University for college where I met my now wife, Anna, while driving ambulances around the city in the Tulane EMS program, and graduated with degrees in Neuroscience and Jewish Studies. New Orleans was a great experience, but I was excited to return to Chicago for medical school. I finished my four years at Rush Medical College and was thrilled to match here at University of Chicago for residency. I have really enjoyed getting to know the Cardiology department over the last three years, and I'm looking forward to working more closely with all of you as a fellow. In my spare time, I enjoy hanging out with friends, running with our dog Buster, and watching Blackhawks, Bears, and Cubs games.



Mark Dela Cruz

Born and raised in Manila, Philippines, I moved to the United States at the age of 15. After a year of enjoying the sun and surf in San Diego, my family moved yet again and settled in Philadelphia where I finished high school and then attended the University of Pennsylvania for college. There, I double majored in Biological Basis of Behavior and French Studies (all while spending most of my spare time performing with student musical theater groups). After college, I made the trek back out West for medical school and, consequently, internal medicine residency both at UCSF. This past year, I have been working as a Hospitalist with the Advanced Heart Failure Service at UCSF. In my spare time, I love running outdoors, exploring new neighborhoods, and traveling the world. I'm also a bit of a coffee, wine, and food obsessive and am constantly thinking about the next great meal. Since I know that Chicago has a thriving food scene, I'm very excited to see and experience everything the city and the Midwest has to offer. Most of all, I'm very excited to meet and work with my co-fellows at the University of Chicago!



Abdulrahman Dia

Hi all! I was born in Damascus, Syria but have been a Chicago native, specifically the south side, for basically my whole life. I attended both college and medical school at the University of Illinois at Chicago. I was fortunate enough to complete residency and a chief year at UofC. Clearly I cannot get enough of Chicago, so I am thrilled to stay for several more years for fellowship here. Outside of work, a lot of my time is spent with family, finding new restaurants in Chicago, reading, and watching football (soccer). Excited to join the cardiology family.

Michael Henry

My tour of the Midwest began in the northern suburbs of Detroit, Michigan where I was born, raised, and developed an irrational love of Detroit sports. From there I went to Indiana where I studied Biology at Norte Dame. Next stop was Chicago for medical school at Loyola. While I wasn't won over by the Chicago sports teams, I did enjoy all the food, culture and people the city had to offer. I then U-turned to Michigan for IM residency at UofM. During our time in Ann Arbor, Mary Ellen and I got married and rescued a devilishly charming puppy named Lucy. We are thrilled to be heading back to Chicago. Mary Ellen is going back to the classroom as a CPS teacher and I am ready to get fellowship started and join the UofC community. When not working or corralling Lucy, I will be playing basketball, doing a crossword puzzle or working on my newest pursuit of yoga.

Swati Rao

I was born in Memphis, TN and raised in Salt Lake City, Utah where my parents still live. I attended college at the University of Utah where I studied biomedical engineering. After graduation, I spent a few months studying Shakespeare at the University of Cambridge and then took a position in Baltimore as a research intern for Siemens Corporation. At that time, I realized how much I enjoyed the intersection of engineering and medicine. I then returned to Salt Lake where I completed medical school and went on to complete my residency at Thomas Jefferson University in Philadelphia. In addition to medicine I like to hike, ski, cycle, host dinner parties and watch food documentaries. I am so excited to be a part of the University of Chicago and look forward to meeting you all.







The Advanced Fellows of 2018-2019

Imo Ebong – Heart Failure

I was born in Calabar, Nigeria. I obtained my MBBS at the University of Nigeria and moved to the US to complete my IM residency within the Cleveland Clinic Health System. I completed my research fellowship at Wake Forest University and my Cardiology fellowship at University of Arizona. I have a strong passion for Heart failure and I am very excited to join the University of Chicago as a fellow in advanced heart failure and cardiac transplantation. I look forward to working with the other fellows and faculty. I am eager to explore the exciting and lively environment here in Chicago!



Arun Kannan – Electrophysiology

I grew up in a small town in India and went to medical school in Chennai, India before moving to United States for my residency training. After completing my residency at Northeast Ohio Medical University, I worked at the University of Arizona as an Assistant Professor of Medicine for 3 years. I stayed at the University of Arizona to pursue my cardiology fellowship. Outside of medicine, I enjoy photography and travelling. I am absolutely thrilled to be part of the University of Chicago to begin my training in electrophysiology for further professional enrichment.



Zenith Jameria- Electrophysiology

I grew up in India until I was sixteen, when I first arrived in the Midwest of the US with my wonderful parents. I have pretty much stayed in the region ever since. I did bioengineering at University of Illinois at Chicago (UIC) just across the town. Then went on to medical school at Indiana University and then residency at University of Cincinnati. My wife and I came back to Chicago for a cardiology fellowship at UIC for me and for further career options in architecture for her. We have been blessed with a son who is now sixteen months old and occupies most of my free time. However, when when I do have free time, I enjoy reading variety of books, travel, and explore the restaurants of Chicago with my wife. I am excited to meet and learn from all of you and start the first chapter of my final lifelong learning journey in EP at University of Chicago.

Nina Rashedi - Cardiac Imaging

I was born in Iran and spent the majority of my childhood in Tehran where I was exposed to a war but also got to very much enjoy the simplicities that life had to offer. I moved to Chicago as a teenager and instantly fell in love with the city. I was fortunate to do my earlier schooling, undergraduate and medical school in the city. Soon after I decided that I wanted to move around the country to be exposed to different cultures that the country has to offer. At Cleveland Clinic where I did my residency I fell in love with Cardiac imaging especially Echocardiography through a great mentor and continued my interest at University of Washington where I did my general Cardiology fellowship. Throughout my training. I have had amazing mentors and have realized the importance of mentorship as an integral portion of training and educational growth. Soon after training, I returned to Chicago where I had the time to practice for couple of years. I am excited to return to the training arena where I can learn about Cardiac CT and MRI and expand my multidisciplinary imaging knowledge. I am excited for the learning opportunities that University of Chicago has to offer and to work with a wonderful team. This summer, I am enjoying the World Cup games and look forward to having many great conversations about the games with the group. This summer, I am enjoying the World Cup games and look forward to having many great conversations about the games with the group.



Cardiology Fellowship 2017-2018

Let's Get Personal

Fellows DO have a life outside of Cardiology! Here are a few major events that took place over the course of 2017-2018.

Married!

• Dongbo Yu married Jennifer Yu on January 5, 2018

Engaged!

 Emeka Anyanwu got engaged to Dr. -Elizabeth Banks.

Fellowship Class of 2045!

- Mary Kate and Joseph brought Michael Francis and Thomas Vincent Venturini into_____ the world on 9/12/17
- Kalie and Danny welcomed Eliana Dani Kebed, joining brother Noah (4). Eliana was born 10/17/17.
- Bhavna and Adam introduced Ajay Adam Kost. Ajay was born 12/8/2017
- Michelle and Ilya welcomed Liora Hannah Karagodin into the world. Liora arrived 2/25/2018.













Congratulations to the 2018 Graduates!



Bhavna Balaney will be a Cardiologist at JenCare Senior Medical Center

Rohan Kalathiya will be an Advanced Interventional Cardiology Fellow at the University of Chicago

Kalie Kebed will be the Advanced Cardiac Imaging fellow here at the University of Chicago

Luke Laffin will be an Assistant Professor at Cleveland Clinic, Sections of Preventive and Clinical Cardiology

Nikhil Narang will be an Advanced Heart Failure & Transplant Cardiology Fellow University of Chicago

Jeremy Stone will be an Assistant Professor at the University of Nebraska Medical Center, Division of Cardiovascular Medicine.

Congratulations to our Graduating Advanced Fellows too!

Advanced Cardiac Imaging

- Akhil Narang will be an Assistant Professor of Medicine/Cardiology at Northwestern University.
- Neha Goyal will enjoy a Cardiac Imaging faculty position in India.

Interventional Cardiology

- Jonathan Rosenberg will be joining the faculty at Northshore University Health System in Interventional Cardiologist
- Taishi Hirai will be a CTO/CHIP fellow at Mid America Heart Institute.

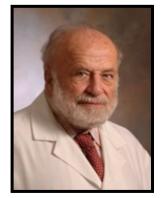
Advanced Heart Failure and Transplant Cardiology

- Ben Chung will be staying on in Heart Failure at a Clinical Associate at the University of Chicago.
- Ann Nguyen will be a Research Fellow in Heart Failure at the University of Chicago.

Exciting visiting lectures...



For example: our fellows enjoyed a special Q&A with Dr. Roman DeSanctis during his visit in the Spring of 2018!



Rory Childers, M.D. 1931 –2014

Dr. Childers came to the University of Chicago in 1963 as a Cardiology fellow and remained here for 50 years. He became a renowned authority on the movement of electrical impulses within the beating heart and the use and interpretation of electrocardiograms. He lectured widely and received many honors. He was awarded the teaching award by the fellows so many times that the award was named after him.

Each year the fellows have the difficult task of choosing a faculty member to give the prestigious Rory Childers Teaching Award. It goes to a faculty member who the graduating class feels has inspired them and provided and outstanding mentorship and teaching.

This year, The *Rory R. Childers Cardiology Teaching Award* was presented to **Francis Alenghat.**

Congratulations, Dr. Alenghat!



Morton Arnsdorf Cardiovascular Research Day April 19-20, 2018



Morton Arnsdorf, MD 1940 -2010

The 10TH Annual Cardiovascular Research Day (CRD) Symposium was held April 19-20, 2018. The symposium highlighted the research within the Sections of Cardiology, Cardiothoracic Surgery, Vascular Surgery, Cardiac Anesthesiology and Interventional Radiology. This day is named in honor of our esteemed friend, mentor and colleague who we continue to miss greatly.

This year, we had an unprecedented number of abstract submissions; spanning basic research to clinical studies and representing all the disciplines in the cardiovascular field. Of the 106 abstracts, 24 were basic/translational studies and 69 were clinical studies. Many of the studies were performed as collaborations between 2 or more laboratories or groups. This made our Section exceptionally proud.

The Keynote lecture, *"Folding and Unfolding the Genome to Generate the Heart"* was given by our guest of honor Jonathan A. Epstein, MD from Perelman School of Medicine on April 20th.

Research Day: Featured Abstracts and Presentations

Wenli Dai

Mechanisms of AP Prolongation and Triggered Activity in a TBX5 Model of Atrial Fibrillation

Luke Laffin

Mapping the Data Zones of a Clinical Trial Using a Novel Score

Akhil Narang

Superiority of 3D over 2D Echocardiographic Analysis of Right Ventricular Function in Predicting Mortality

Nikhil Narang

Discordance Between Clinical and Invasive Assessment of Hemodynamics in Patients with Decompensated Heart Failure

Cardiovascular Research Day wouldn't have been possible without the participation of our committee!

Francis Alenghat, MD, PhD

John Blair, MD

Gene Kim, MD

James K. Liao, MD

Victor Mor-Avi, PhD

Cevher Ozcan, MD

Diane Hill

Melissa Meskers



Impressive Academic Production

Arnsdorf Cardiovascular Research Day: Abstracts

- Bhavna Balaney, Diego Medvedofsky, Anuj Mediratta, Amita Singh, Boguslawa Ciszek, Eric Kruse, Atman P. Shah, Karima Addetia, Roberto M. Lang, Victor Mor-Avi "Invasive Validation of the Echocardiographic Assessment of Left Ventricular Filling Pressures Using the 2016 Diastolic Guidelines: Head-to-Head Comparison with the 2009 Guidelines"
- Bhavna Balaney, Mani Vembar, Michael Grass, Amita Singh MD, Luis Landeras, Jonathan Chung, Victor Mor-Avi, Amit R. Patel "Can Motion Correction During Stress CT Myocardial Perfusion Imaging Improve Visualization of Coronary Arteries?"
- Ben Bow Chung, Jon Grinstein, Diego Medvedofsky, Sarah Tayazime, Daniel Rodgers, Ann Nguyen, Nikhil Narang, Gene Kim, Nitasha Sarswat, Jayant Raikhelkar, Sara Kalantari, Bryan Smith, Takeyoshi Ota, Valluvan Jeevanandam, Roberto Lang, Gabriel Sayer, Nir Uriel "Improved Exercise Performance and Quality of Life with Right Ventricular Pacing Over Biventricular Pacing in LVAD Patients"
- **Ben Chung**, JoDel Powers, **Ann Nguyen**, **Nikhil Narang**, Tiana Riley, Catherine Murks, Meaghan Reilly, Valluvan Jeevanandam, Tae Song, Takeyoshi Ota, Bryan Smith, Sara Kalantari, Jayant Raikhelkar, Gene Kim, Nitasha Sarswat, Gabriel Sayer, Nir Uriel "First in the World Heart-Kidney Transplant in HIV-Positive Patient"
- Mark Belkin, Bow Benjamin Chung, Roberto Lang, Kirk Spencer, Gabriel Sayer, Sirtaz Adatya, Nitasha Sarswat, Gene Kim, Nir Uriel "Diffuse Ventricular Hematoma after Heart Transplant and Repeated Myocardial Instrumentation: a Case Report"
- Neha Goyal, Keigo Kawaji, Noreen Nazir, Valentina Volpato, Kohei Matsumoto, John E. A. Blair, Darius Dabir, Lukas Stoiber, Mahsa Zamani, Sebastian Kelle, Victor Mor-Avi, Amit R. Patel "Reproducibility of Regional and Global Longitudinal Strain Measurements Made Using Single Beat Strain-Encoded CMR"
- Neha Goyal, Priya Mehta, David Chapel, Akhil Narang, Cara Rosenbaum, Nitasha Sarswat, Karima Addetia, Victor Mor-Avi, Roberto M. Lang, Aliya N. Husain, Amit R. Patel "Is Global Longitudinal Strain Associated with the Histopathologic Burden of Cardiac Amyloidosis?"
- Taishi Hirai MD, Steven Tate, Kathryn Dryer BA, Deshon Jones, Jonathan Rosenberg MD, Sandeep Nathan MD, MSc, Atman P Shah MD, Kyle Carey MPH, Mathew Churpek MD MPH PhD, Dana Edelson MD, MS, Janet Friant, Jonathan Paul MD, and John E A Blair MD "Electronic Cardiac Arrest Triage Score Best Predicts Mortality after Intervention in Patients with Massive and Submassive Pulmonary Embolism"
- **Taishi Hirai MD**, Hiroto Kitahara MD, John Blair MD, Husam H Balkhy MD, Sandeep Nathan MD, MSc "Impact of chronic total occlusion in advanced hybrid TECAB and PCI revascularization in patients with multi-vessel coronary artery disease"

Arnsdorf Cardiovascular Research Day continued...

- Taishi Hirai MD, J. Aaron Grantham MD, James Sapontis MBBCh, David J. Cohen MD, MSc, Steven P. Marso MD, William Lombardi MD, Dimitri Karmpaliotis MD, Jeffrey Moses MD, William J. Nicholson MD, Ashish Pershad MD, R. Michael Wyman MD, Anthony Spaedy MD, Stephen Cook MD, Parag Doshi MD, Robert Federici MD, Karen Nugent RRT, Kensey Gosch MS, and Adam C. Salisbury, MD, MSc "Impact of Subintimal Plaque Modification Procedures on Health Status after Unsuccessful Chronic Total Occlusion Angioplasty"
- Rohan Kalathiya, Sandeep Nathan, Atman Shah, John Blair, Margaret Lee, Janet Friant, Nir Uriel, Nitasha Sarswat, Roberto Lang, Roderick Tung, Hemal Nayak, Gaurav Upadhyay, Michael Broman, James Liao. Jonathan D. Paul. "The Cardiogenic SHock Intravascular CooLing TriaL (CHILL-SHOCK)"
- Ilya Karagodin; Sara Kalantari; Dong Bo Yu; Gene Kim; Gabriel Sayer; Karima Addetia; Sarah Tayazime; Lynn Weinert; Megan Yamat; Nir Uriel; Roberto Lang; Victor Mor-Avi "Effects of Sacubitril-Valsartan on Vascular Properties in Heart Failure Patients"
- Kalie Kebed, Karima Addetia, Megan Yamat, Kirk T. Spencer, Lynn Weinert, Roberto M. Lang "The Continuum of Tricuspid Regurgitation: Mild, Moderate, Severe, and '*Super Severe*'?"
- Kalie Y. Kebed, Erin Flatley, R. Parker Ward, Joshua D. Moss, Javid Ali, Daniel E. Appelbaum, Amita Singh, Roderick Tung, Amit R. Patel "Prevalence of Myocardial Scar and Myocardial Inflammation in Patients with Sustained and Non-Sustained Ventricular Arrhythmias: A Cardiac Magnetic Resonance and 18F-FDG Cardiac PET Study."
- Kalie Kebed, Kirk T. Spencer, Megan Yamat, Lynn Weinert, Francesco Maffessanti, Victor Mor-Avi, Roberto M. Lang, Karima Addetia "Functional Tricuspid Regurgitation: Impact of Right Ventricular Remodeling on Tricuspid Valve Tethering"
- Luke Laffin, Stephanie Besser, Francis Alenghat "Mapping the Data Zones of a Clinical Trial Using a Novel Score"
- Akhil Narang MD, Roberto M. Lang MD, Kanako Kishiki MD, Lynn Weinert BSc, Francesco Maffessanti PhD, Diego Medvedofsky MD, Victor Mor-Avi PhD, Karima Addetia MD "Superiority of 3D over 2D Echocardiographic Analysis of Right Ventricular Function in Predicting Mortality"
- Akhil Narang, Valentina Volpato, Gloria Tamborini, Laura Fusini, Mauro Pepi, Neha Goyal, Neeta Kumari, David Prater, Karima Addetia, Amit R Patel, Victor Mor-Avi, Roberto M. Lang "3D Echocardiographic Automated Quantification of Left Ventricular and Left Atrial Time-volume Curves: Comparison with MRI"
- Akhil Narang, Niklas Hitschrich, David Hitschrich, Karima Addetia, Victor Mor-Avi, Bernhard Mumm, Roberto M. Lang "Virtual Reality Using 3D Echocardiography Data to Evaluate Structural Heart Disease"
- Akhil Narang, Amit Pursnani, Michael Salinger, Hyde Russell, Jorge Saucedo, Ted Feldman, Mayra Guerrero, Roberto M. Lang "Echocardiographic Assessment of Patients Undergoing Transcatheter Mitral Valve-in-Valve Replacement"
- Akhil Narang, Valentina Volpato, Kanako Kishiki, Kirk T. Spencer, Stephanie Besser, Victor Mor-Avi, Roberto M. Lang, Karima Addetia "Global Longitudinal Strain: A Novel Predictor of Mortality in Patients with Severe Aortic Insufficiency and Preserved Left Ventricular Ejection Fraction"



Arnsdorf Cardiovascular Research Day continued...

- Akhil Narang. Tamari Miller, Keigo Kawaji, Victor Mor-Avi, Sandeep Nathan, Luis Landeras, Amit R. Patel "Diagnostic Utility of Vasodilator Cardiac Magnetic Resonance Imaging in Patients with Reduced Left Ventricular Ejection Fraction"
- Nikhil Narang; Rohan Kalathiya; Luke Laffin; Ben Chung; Anne Nguyen; Teruhiko Imamura; Sara Kalantari; Gene H. Kim; Jayant Raikhelkar; Nitasha Sarswat; Valluvan Jeevanandam; Gabriel T. Sayer; Nir Uriel "Discordance Between Clinical and Invasive Assessment of Hemodynamics in Patients with Decompensated Heart Failure"
- Nikhil Narang; Luke Laffin; Rohan Kalathiya; Ben Chung; Anne Nguyen; Teruhiko Imamura; Sara Kalantari; Gene H. Kim; Jayant Raikhelkar; Nitasha Sarswat; Valluvan Jeevanandam; Gabriel T. Sayer; Nir Uriel "Normal Serum Lactic Acid is Discordant with Shock in Advanced Heart Failure Patients"
- Ann Nguyen, Ben Chung, Nikhil Narang, Sara Kalantari, Jayant Raikhelkar, Nitasha Sarswat, Gene Kim, Valluvan Jeevanandam, Gabriel Sayer, Nir Uriel "Endovascular Treatment of Intracranial Mycotic Aneurysms in Patients with Left Ventricular Assist Devices"
- Ann Nguyen, Ben Chung, Nikhil Narang, Sara Kalantari, Jayant Raikhelkar, Nitasha Sarswat, Gene Kim, Valluvan Jeevanandam, Gabriel Sayer, Nir Uriel "High Prevalence of BK Virus in Heart Transplant Patients and Effect on Outcomes"
- Andrew Putnam, Kyle Carey, Atman Shah, John Blair, Sandeep Nathan, Matthew Churpek, Janet Friant, Jonathan Paul "Risks of Catheter-Directed Therapy vs. Conservative Therapy in a High Risk, Propensity-Score Matched Pulmonary Embolism Patient Population"
- Jeremy Stone, Eduardo Enriquez, Akhil Narang, Kirk T. Spencer, Roberto M. Lang "Heart Failure with Mid-Range Ejection Fraction: Are Left Ventricular or Left Atrial Strain Associated with Increased Mortality?"
- Jeremy Stone, Eduardo Enriquez, Victor Mor-Avi, Roberto M. Lang, Amit R. Patel. "Does Native Myocardial T1 Relaxation Time and Extracellular Volume Fraction Improve After Autologous Stem Cell Transplantation in Cardiac Amyloidosis: A Case Series."
- **Dong Bo Yu**, Gene Kim, Marcella Vaicik, Gabriel Sayer, Jayant Raikhelkar, Nitasha Sarswat, Eric Brey, John Georgiadis, Nir Uriel "Functional assessment of decellularized extracellular matrix in patients undergoing LVAD implantation"

NEW WEBSITE!

https://cardiologyfellowsh ip.uchicago.edu/

2017-18 Publications and Abstracts

- Imamura T, **Chung B**, **Nguyen A**, Sayer G, Uriel N. Clinical implications of hemodynamic assessment during left ventricular assist device therapy. J Cardiol. 2018 Apr;71(4):352-358.
- Juricek C, Imamura T, Nguyen A, Chung B, Rodgers D, Sarswat N, Kim G, Raikhelkar J, Ota T, Song T, Burkhoff D, Saiyer G, Jeevanandam V, Uriel N. Longacting octreotide reduces recurrence of gastrointestinal bleeding in patients with continuous flow left ventricular assist device. J Card Fail. 2018 Apr;24(4):249-254
- Imamura T, Juricek C, **Nguyen A**, **Chung B**, Rodgers D, Sayer G, Sarwat N, Kim G, Raikhelkar J, Ota T, Song T, Onsanger D, Burkhoff D, Jeevanandam V, Uriel N. Predictors of Hemodynamic Improvement and Stabilization following Intra-aortic Balloon Pump Implantation in Patients with Advanced Heart Failure. J Invasive Cardiol. 2018 Feb;30(2):56-61.
- Imamura T, Adatya S, **Chung B**, **Nguyen A**, Rodgers D, Sayer G, Sarswat N, Kim G, Raikhelkar J, Ota T, Song T, Juricek C, Medvedofsky D, Jeevanandam V, Lang R, Estep J, Burkhoff D, Uriel N. Cannula and Pump Positions are Associated with Left Ventricular Unloading and Clinical Outcome in Patients with HeartWare Left Ventricular Assist Device. J Card Fail. 2017 Oct 2.
- Imamura T, Chung B, Nguyen A, Rodgers D, Sayer G, Adatya S, Sarswat N, Kim G, Raikhelkar J, Ota T, Song T, Juricek C, Kagan V, Jeevanandam V, Mehra M, Burkhoff D, Uriel N. Decoupling Between Diastolic Pulmonary Artery Pressure and Pulmonary Capillary Wedge Pressure as a Prognostic Factor After Continuous Flow Ventricular Assist Device Implantation. Circ Heart Fail. 2017 Sep;10(9).
- Nguyen AB, Chung B, Sayer G, Mullane K, Uriel N. Acute Myocarditis Secondary to Reactivated Chromosomally-Integrated Human Herpesvirus 6. J Card Fail. 2017 May 15.
- Belkin MN, Chung B, Uriel N. Diffuse Ventricular Hematoma after Heart Transplant and Repeated Myocardial Instrumentation. J Clin Exp Cardiolog 8:518.
- Chung B, Sayer G, Uriel N. Mechanical circulatory support devices: methods to optimiz hemodynamics during use. Expert Rev Med Devices. 2017;14(5):343-353.
- Anyanwu EC; Viktoriya Kagan; Ankit Bhatia; David M. Tehrani; Sirtaz Adatya; Gene Kim; Nitasha Sarswat; Valluvan Jeevanandam; Gabriel Sayer; Nir Uriel Home Inotropes Patients Supported with Left Ventricular Assist Devices. ASAIO Journal 2018
- Anyanwu EC, A. Bhatia, D.M. Tehrani, A. Deshmukh, D. Rodgers, S. Adatya, N. Sarsv G. Kim, G. Sayer, T. Ota, V. Jeevanandam, N. Uriel The Accuracy of Physical Exam Compared to RHC in LVAD Patients. The Journal of Heart and Lung Transplantation. 2017 April; 36(4): S341–S342
- Kalathiya RJ, Grinstein J, Uriel N, Shah AP. Percutaneous Transcatheter Therapies for the Management of Left Ventricular Assist Device Complications. *The Journal of invasive cardiology*. 2017;29(5):151-162.
- Kalathiya RJ, Conway BD, Blair JA, Paul J, Shah AP, Ismail M, Nathan S. First application of ultrasound-assisted thrombolysis for acute, submassive pulmonary embolism in a pregnant patient. J Clin Intervent Card. 2017, 1(1):1-4
- Sharma K, Vaishnav J, **Kalathiya R**, Hu J, et al. Randomized Evaluation of Heart Failur with Preserved Ejection Fraction Patients with Acute Heart Failure and Dopamine (ROP DOP) Trial. JACC: Heart Failure. *Accepted for publication, March 2018*
- Stone J, L. Lee, J.P. Ward, R.P. Ward. High prevalence of clinically important echocardiographic abnormalities in patients with a normal electrocardiogram referred for transthoracic echocardiography. Journal of American Society of Echocardiography. Article in press, posted online 17 May 2018.

DID YOU KNOW?

The Section of Cardiology was founded in 1950 at the University of Chicago.

| • | Kalathiya R, Rosenberg J, Hirai T, Shah AP. Transcatheter Pulmonary Valve |
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| | Replacement (TPVR) for Pulmonary valve dysfunction in Tetralogy of Fallot. |
| | European Society of Congress Clinical Case Reports. Online Publication |
| | |

- Kalathiya R, Shah A, Nathan S. (2017) In Patients Undergoing Vascular Surgery, Does Preoperative Coronary Revascularization Reduce the Risk of Myocardial Infarction and Death?. In: Skelly C., Milner R. (eds) Difficult Decisions in Vascular Surgery. Difficult Decisions in Surgery: An Evidence-Based Approach. Springer, Cham
- Jones CI, Cherian TS, Upadhyay GA, Tung R. Wide complex tachycardia transitioning between 2 morphologies: What is the mechanism? *J Cardiovasc Electrophysiol.* 2018 May 30
- Cherian TS, Upadhyay GA. Right ventricular Pacing and Cardiac Resynchronization Devices. *Card Electrophysiol Clin.* 2018 Mar; 10(1):31-42
- Cherian TS, Shrader P, Fonarow GC, Allen LA, Piccini JP, Peterson ED, Thomas L, Kowey PR, Gersh BJ, Mahaffey KW. Effect of Atrial Fibrillation on Mortality, Stroke Risk and Quality-of-Life Scores in Patients with Heart Failure (from the Outcomes Registry for Better Informed Treatment of Atrial Fibrillation [ORBIT-AF]). *Am J Cardiol.* 2017 Jun 1:119(11):1763-1769
- Benes LB, Rosenberg JR, Ozcan C, Cherian TS, Shah AP. Intravascular ultrasound to assess for baffle stenosis after Mustard procedure. *Int J Cardiovasc Imaging*. 2017 Aug; 33(8):1113-1114
- **Oehler A;** Kent K; Davis J. *Discharge Readiness Assessment and 30-day Readmission Risk in Acute Decompensated Heart Failure*.<u>Poster Presentation</u>.Heart Failure Society of American National Meeting. Dallas, TX. September 2017.
- **Ochler A;** Kent K; Davis J. *Discharge Readiness Assessment and 6-month Readmission Risk in Acute Decompensated Heart Failure*.<u>Poster Presentation</u>.Heart Failure Society of America National Meeting. Dallas, TX. September 2017.
- Oehler A; Kent K; Davis J. Discharge Readiness Assessment and Readmission Risk in Acute Decompensated Heart Failure. Under review at The American Journal of Cardiology.
- Kanelidis A; **Oehler A**; Oehler C; et al. *A Binge and a Breach: Cardiac Tamponade Caused by Haemophilus influenzae*. The American Journal of Medicine, 2018; 131 (7): 768-771. DOI: 10.1016/j.amjmed.2018.02.007
- Ochler A; Minner J; Lindner J. Increased Coronary Tortuosity is Associated with Longitudinal Myocardial Shortening but not Left Ventricular Mass. Journal of the American Society of Echocardiography, 2017; 30 (10): 1024-1034. DOI: 10.1016/j.echo.2017.06.007
- Venturini JM, Shah AP. "Percutaneous Closure of Aortic Valve for Persistent Aoritc Insufficiency with Left Ventricular Assist Device." *Structural Heart Cases: A Color Atlas of Pearls and Pitfalls*. Ed. Paul Sorajja. Elsevier, 2018.
- Venturini JM, Rosenberg J, Lang RM, Shah AP. Transapical Access for Percutaneous Mitral Paravalvular Leak Repair. *Struct. Heart.* 2017;1:3,121-128.
- Venturini JM, Retzer E, Estrada JR, Friant J, Beiser D, Edelson D, Paul J, Blair JE, Nathan S, Shah AP. Mechanical chest compressions improve rate of return of spontaneous circulation and allow for initiation of percutaneous circulatory support during cardiac arrest in the cardiac catheterization laboratory. *Resuscitation*. 2017;115:56-60.
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Posters and Presentations

- **B. Chung**, J. Grinstein, G. Sayer, G. Kim, N. Sarswat, J. Raikhelkar, S. Kalantari, A. Nguyen, **N. Narang**, M.R. Costanzo, U. Jorde, D. Burkhoff, C. LaBuhn, V. Jeevanandam, R. Lang, N. Uriel. Improved Exercise Performance and Quality of Life with Right Ventricular Pacing Over Biventricular Pacing in LVAD Patients. ISHLT Annual Meeting and Scientific Sessions, Nice, France, Apr 2018.
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- Karagodin I, Sara Kalantari, Dongbo Yu, Gene Kim, Gabriel Sayer, Karima Addetia, Sarah Tayazime, Lynn Weinert, Megan Yamat, Nir Uriel, Roberto Lang, Victor Mor-Avi. "Effects of Sacubitril-Valsartan on Vascular Properties in Heart Failure Patients."
- **Balaney B,** Medvedofsky D, Mediratta A, Singh A, Ciszek B, Kruse E, Shah AP, Addetia K, Lang RM, Mor-Avi V. "Accuracy of the 2016 ASE Diastolic Guidelines for Estimating LV Filling Pressure" American Society of Echocardiography June 2017
- **Balaney B**, Vembar M, Grass M, Singh A, Landeras L, Chung J, Mor-Avi V, Patel AR. "Can Motion Correction During Stress CT Myocardial Perfusion Imaging Improve Visualization of Coronary Arteries?" Society of Cardiovascular CT July 2018
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Posters and Presentations continued.... Kalathiva R, Paul J. Cardiogenic SHock Intravascular CooLing TriaL (CHILL-SHOCK). Janet Rowley Research Day Poster, March 2018. Kalathiya R, Paul J. Cardiogenic SHock Intravascular CooLing TriaL (CHILL-SHOCK). Morton ٠ Arnsdorf Cardiovascular Research Symposium, April 2018. Mahmaljy H, Aguirre F, Al-akchar M, Kalathiya R, Nandish S, Besser S, Panchamukhi V, Chambers J, Shah AP, Liao JK. Long-Term (10-Year) Mortality of ST Elevation Myocardial Infarction Patients Directly Admitted to Facilities for Primary Percutaneous Coronary Intervention vs Inter-Hospital Transfer: Impact of "Targeted" Use of Pre-Transfer Fibrinolytic Therapy. American Heart Association (AHA) Scientific Sessions, Anaheim, CA. November, 2017 Karagodin I, Sara Kalantari, Dongbo Yu, Gene Kim, Gabriel Sayer, Karima Addetia, Sarah Tayazime, Lynn Weinert, Megan Yamat, Nir Uriel, Roberto Lang, Victor Mor-Avi. "Effects of Sacubitril-Valsartan on Vascular Properties in Heart Failure Patients." Balaney B, Medvedofsky D, Mediratta A, Singh A, Ciszek B, Kruse E, Shah AP, Addetia K, Lang RM, Mor-Avi V. "Accuracy of the 2016 ASE Diastolic Guidelines for Estimating LV Filling Pressure" American Society of Echocardiography June 2017 Balaney B, Vembar M, Grass M, Singh A, Landeras L, Chung J, Mor-Avi V, Patel AR. "Can Motion Correction During Stress CT Myocardial Perfusion Imaging Improve Visualization of Coronary Arteries?" Society of Cardiovascular CT July 2018 Laffin LJ. From standards to practice: what do our data reveal about patients achieving lipid targets? "Cardiology Grand Rounds, Department of Medicine, University of Chicago". May 2018 - Chicago, IL Laffin LJ. A map of SPRINT's data free zone. "European Society of Cardiology Congress". August 2017 - Barcelona, Spain. Laffin LJ. Mapping SPRINT's data-free zone. Janet Rowley Department of Medicine Research Day. March 2018 - Chicago, IL. Laffin LJ. A map of SPRINT's data-free zone. AHA Council on Hypertension and American Society of Hypertension Joint Scientific Sessions 2017. September 2017 - San Francisco, CA. Laffin LJ. SPRINT's data-free zone. Morton Arnsdorf Research Day. April 2017 - Chicago, IL. Eisha Wali, Anupama Joseph, Larsen P, Venturini J, Rosenberg J, Hirai T, John E.A. Blair, Jonathan Paul, Atman P. Shah, Sandeep Nathan Outcomes Following Contemporary Use of Percutaneous Mechanical Circulatory Support (pMCS) in Patients with In-Hospital Cardiac Arrest (IHCA) TCT 2018 Scientific Sessions Eisha Wali, Larsen P, Venturini J, Linda Lee, Hirai T, Rosenberg J, Jonathan Paul, John Blair, Roderick Tung, Atman Shah, Sandeep Nathan Impact of Clinical Indication / Risk Strata on Outcomes in Patients Supported with Impella 2.5 and CP Microaxial Heart Pumps TCT 2018 Scientific Sessions Qintar M, Hirai T, Patterson C, Sapontis J, Grantham JA, Gosch IK, Jones P, Tang Y, SpertusJ, Arnold S, Salisbury A. Predictors of Residual Angina after Chronic Total Occlusion Percutaneous Coronary Intervention: External Validation of an Existing Model Poster presentation at Transcatheter Therapeutics (TCT) 2017, Denver, CO Hirai T, Kitahara H, Blair JEA, Balkhy H, Nathan S, Impact of chronic total occlusion in advanced hybrid TECAB and PCI revascularization in patients with multivessel coronary artery disease. Poster presentation at Dr. Morton Amsdorf Research Day April, 2018

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Posters and Presentations continued....

- Bassi N, Sayer G, **Benes L**, Murks C, Raikhelkar J, Adatya S, Kim G, Sarswat N, Ota T, Jeevanandam V, Uriel N. "Acute cellular rejection in heart transplant recipients may not be acute after all". International Society of Heart and Lung Transplantation 37thAnnual Meeting and Scientific Sessions, San Diego, CA, April 2017
- **Benes L**, Chan C, Alman A, Carr J, Goff D, Jacobs D, Rana J, Terry J, Yeboah J, Liu K, Polonsky T. "Association of 10-year change in cardiovascular risk factors with progression of pericardial adipose tissue: the CARDIA Study". University of Chicago Cardiovascular Research Day, Chicago, IL, April 2017
- Brandt E, **Benes L**, Lee L, Davidson M. "The effect of PCSK9 inhibition on sterol absorption in a cohort of real world patients". American College of Cardiology 2017 Meeting, Washington D.C., March 2017
- **Benes L**, Chan C, Alman A, Carr J, Goff D, Jacobs D, Rana J, Terry J, Yeboah J, Liu K, Polonsky T. "Association of 10-year change in cardiovascular risk factors with progression of pericardial adipose tissue: the CARDIA Study". American College of Cardiology 2017 Meeting, Washington D.C., March 2017
- Nguyen A, International Society of Heart and Lung Transplantation April 2018 "High Prevalence of BK Virus in Heart Transplant Patients and Effect on Outcomes"
- Nguyen A, International Society of Heart and Lung Transplantation April 2018 "Endovascular Treatment of Mycotic Aneurysms in Patients with Left Ventricular Assist Devices"
- Nguyen A, International Society of Heart and Lung Transplantation April 2018 "Changes in Metabolic Profiles Following Left Ventricular Assist Device Implantation"
- **Putnam A.**, Risks of Catheter-Directed Therapy vs. Conservative Therapy in a High Risk, Propensity-Score Matched Pulmonary Embolism Patient Population. ACC, March 2018
- Kebed KY, Flatley E, Ward RP, Moss JD, Ali J, Appelbaum DE, Singh A, Tung R, Patel AR. Prevalence of Myocardial Scar and Myocardial Inflammation in Patients with Sustained and Non-Sustained Ventricular Arrhythmias: A Cardiac Magnetic Resonance and 18F-FDG Cardiac PET Study. Society of Cardiovascular Magnetic Resonance Annual Scientific Sessions. Barcelona Spain, Jan 2018.
- **Kebed K**, Spencer KT, Yamat M, Weinert L, Maffessanti F, Mor-Avi V, Lang RM, Addetia K. Functional tricuspid regurgitation: impact of right ventricular remodeling on tricuspid valve tethering. American Society of Echocardiography 2018, Nashville TN

Posters and Presentations continued....

| • | Narang A, Multimodality Imaging to Guide Coronary Revascularization, |
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| | Update on Structural Heart Disease Trials, IndiaLive 2017, New Delhi, India |

- Narang A, Meet the Acute/Stable Heart Disease Legends Session (Drs. Robert Califf, Antonio Colombo, Frederick Grover) American College of Cardiology 2017 Scientific Sessions, Washington, DC
- Narang A, *Highlights From ACC.17 Late Breaking Clinical Trials That Will Change Your Practice*, ACC Illinois/Wisconsin Annual Meeting, Lake Geneva, WI
- Narang A, *Top 10 Lessons from Cardiovascular Summit*, ACC Illinois/Wisconsin Annual Meeting, Lake Geneva, WI
- Narang A, Using Social Media to Advance Your Academic and Professional Mission Grand Rounds, Loyola University, Dept of Pathology, Maywood, IL (w/ Vineet Arora, MD)
- Narang A, Global Longitudinal Strain in Post-Heart Transplant Patients with Normal Left Ventricle Ejection Fraction is Associated with Coronary Allograft Vasculopathy. American Society of Echocardiography (Baltimore, MD)
- Narang A, Challenging Case Presentation, Innovations in Cardiovascular Therapeutics (Chicago, IL)
- Narang A, *Updates from the Early Career Taskforce* (Early Career Plenary) Society of Cardiovascular Magnetic Resonance Scientific Sessions. Barcelona, Spain.
- Narang A, American Society of Echocardiography (Nashville, TN)

National Leadership/Involvement/Honors...

Luke Laffin

2017 AFHRE Travel Award for Patient-Oriented or Clinical Research in Hypertension 2017 Young Investigator Grant

2018 Arnsdorf Cardiovascular Research Day, Featured Presenter Award

Akhil Narang

2018 American College of Cardiology Scientific Sessions Planning Committee
2018 American Society of Echocardiography Scientific Sessions Planning
Committee
2017 ACC Leadership Council: FIT Section, Early Career Section, Cardiovascular
Management Section
2017 ACC FIT Section Leadership Council, IL FIT Co-Representative

JACC Editorial Board – Social Media Section Editor

Isla McClelland

2018 ACC FIT Section Leadership Council, IL FIT Co-Representative

***Please take time to give a very special thank you to Diane Hill for her hard as our fellowship coordinator this year!!

While it is a labor of love, her hard work and constant attention to our fellows (including collating and creating this impressive newsletter!) is both noticed and appreciated!