

Cardiology Fellowship

2021 Newsletter



INSIDE THIS ISSUE:

Welcome!

Fellowship Highlights

Hail to the Chief

New General Fellows

New Subspecialty Fellows

Fellowship Year in Review

- Let's get personal
- Our new graduates
- Honors & Achievements
- Morton Arnsdorf Cardiovascular Research Day

Impressive Academic Production (in 2020-21)

- Publications
- Abstracts
- Cardiology Research Day

Welcome to Our New Fellows

As a new year begins, we are excited to welcome six new Cardiovascular Disease fellows and two new fellows in our subspecialty programs for the 2021-2022 year! In addition, 5 old friends are assuming new roles in our advanced fellowship programs!

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: 2020-2021 Fellowship Year

We have just completed a remarkable 2020-21 fellowship year. COVID-19 couldn't stop us! Our fellows made us proud with many accomplishments, honors, and more. They dedicated countless hours to our Section, providing incredible patient care, 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 graduates.

HAIL TO THE CHIEF

We'd like to welcome Dr. Anthony Kanelidis as the new Chief Fellow for the 2021 – 2022 fellowship class! Anthony has hit the ground running and will do an outstanding job. Big thanks to Ian Hackett for his incredible work as Chief Fellow for the past year!!



The New Faces of Cardiology Fellowship

Martin Gruca



I was born and raised in Utica, a small suburb in the Detroit metropolitan area. My parents had immigrated to the United States from Poland shortly before I was born. While I was born in the United States, I was fortunate enough to grow up in a robust Polish community, which allowed me to still interact with our cultural roots. I went to the University of Michigan for my undergraduate studies and for medical school. It was during my time in medical school that I wanted to obtain further training in research, so I took an additional year for a Master's Degree in Clinical Research. By this point, Ann Arbor has become my new hometown. When it came time to start residency, I was eager to explore a new setting by moving to Chicago to train at Northwestern McGaw Medical Center. I had a fantastic experience thus far in Chicago, and I am very excited to explore it further over the next few years! I am here with my fiancée, Kristen, and our greyhound, Basil. In our free time, Kristen and I love to ballroom dance, take long walks, and explore Chicago's art exhibits.

Jiho Han



I grew up in Seoul, Korea and moved to Toronto, Canada for high school and attended college at Columbia University in New York where I majored in applied mathematics. I stayed at Columbia for medical school and decided to explore the west coast for internal medicine residency where I am completing my residency at Stanford. I am excited to move to Chicago and explore the Midwest for cardiology fellowship. Outside of work, I enjoy hiking and going to restaurants weekly.

Jonathan Lattell



I was born and raised in Longmeadow, Massachusetts before moving to attend college at Boston College. I left Massachusetts for the first time to attend medical school at Loyola University Chicago. After graduating from Loyola, I was lucky enough to stay in Chicago and completed my IM residency at the University of Chicago Medical Center. I decided to stay on for an extra year as an IM chief resident before starting my cardiology fellowship. I love travelling, trying new restaurants (of which there are plenty in Chicago!), and playing sports. My go to's are basketball and softball. I look forward to working with everyone and can't wait.

Shirlene Obuobi

I was born in Accra, Ghana, and moved to Chicago when I was six, then went on to live in Malvern, Arkansas, The Woodlands, Texas, and St. Louis, Missouri, where I completed my undergrad (at Washington University in St. Louis.) I attended medical school at University of Chicago Pritzker School of Medicine and have stayed here for the rest of my medical training. I am also a cartoonist, and draw for my medical comics platform, "ShirlyWhirl, M.D.," and a writer (my debut novel, "On Rotation," will be coming out in Summer 2022 under William Morrow/ Harper Collins!) I live in Hyde Park with my husband and our three cats.



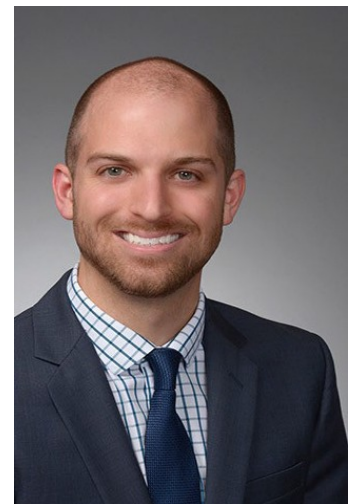
Maxine Tang

I am originally from San Francisco, CA, and have spent most of my life in California. I went to Stanford for college, where I met my husband, Alex, and stayed an extra year to complete a Master's in Bioengineering. After graduating, I moved to Los Angeles for medical school at UCLA. I spent a year in Boston at BIDMC as a Sarnoff research fellow before completing my last year of medical school, and was fortunate to stay in LA for residency at UCLA Olive-View Medical Center, where I am currently completing a chief year. In my free time I enjoy hiking, playing board games, and baking. I am thrilled to be moving to Chicago with my husband to start Cardiology fellowship at the University of Chicago. I look forward to meeting everyone and exploring the city!

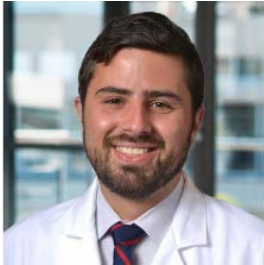


Joseph Weber

I grew up in Litchfield, IL, a small town in southern Illinois. I went to undergrad at the University of Illinois in Urbana-Champaign where I majored in molecular and cellular biology. I took a year off after college to continue my microbiology research in Stockholm, Sweden, supported by a Fulbright grant. I made it back to Illinois to pursue a medical degree at Loyola Stritch School of Medicine. I was fortunate enough to match into Internal Medicine at the University of Chicago and quickly became attached to the incredible people and patients here. Outside of work, you'll find my wife and me pushing our two kids in a double-wide jogging stroller on our way to the nearest park. When we can find a babysitter, we love making it out to the many amazing restaurants in the city, otherwise, I am content perfecting my charcoal grilling game in our backyard. I consider myself incredibly lucky to be able to continue training at the University of Chicago and look forward to getting to know everyone!



New Advanced Fellows of 2021-2022



Jeremy Slivnick - Cardiac Imaging

I will be one of the new advanced cardiovascular imaging fellows this year. Both my wife and I are originally from the Chicagoland area and grew up on the northside (Cubs fans, sorry in advance!). Prior to coming here, I completed my internal medicine training at the University of Michigan and my general cardiology fellowship at The Ohio State University. We are thrilled to be moving back home to our favorite city, Chicago. In my spare time, I enjoy spending time with my wife Sarah, son Jack, and daughter Molly. I also enjoy running, biking, and cooking. I am excited to work with you all and cannot wait to meet you!



Ali Alsaad – Interventional Cardiology

I completed medical school at Nahrain University in Iraq, internal medicine residency at the Mayo Clinic and cardiovascular disease fellowship at the University of Chicago Northshore Program. Along with my interest in interventional and structural cardiology, I'm interested in quality improvement in health care. Outside of work, I enjoy running and spending time with my family.

Old Friends in new advanced fellowship roles....

We didn't ask them submit new bios/pictures, but we are thrilled that all 5 of our 2021 general fellowship graduates are staying on as advanced fellows in Advanced Heart Failure, Cardiac Imaging, and Electrophysiology!! See more about our graduates below....

Let's Get Personal!!

Fellowship Class of 2045 – New Recruits

- Caroline and Steve Mazzone welcomed Summer on 2/18/21.
- Miriam and Abdul Dia welcomed Yusef on 11/3/2020.

New Recruits to the U of C Cardiology Fellowship Class of 2045



Yusef Dia



Summer Mazzone

Engaged!

- Elisha Wali and Nimit Desai were engaged on June 26th, 2020!!
- Ryan Sanderson and Kristin Powers were engaged in April 2021!!
- Linda Lee and Andrea Ragsdale were engaged in July of 2020!!

Married!

- Abdul Abutaleb and Reem Al-Bakkour were married on 5/21/21!!

Congratulations to the 2021 Graduates!

DID YOU KNOW?

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



Dr. Mark Belkin will be an Advanced Fellow in Heart Failure at the University of Chicago.

Dr. Abdul Dia will be an Advanced Fellow in Intervention at the University of Chicago.

Dr. Swati Rao will be an Advanced Fellow in Electrophysiology at the University of Chicago.

Dr. Mark Dela Cruz will be an Advanced Fellow in Heart Failure at the University Of Chicago.

Dr. Mike Henry will be an Advanced Imaging Fellow at the University of Chicago.

Congratulations to our Graduating Advanced Fellows too!

Advanced Heart Failure and Transplant Cardiology

- Indra Bole will be joining the Heart Failure team as Assistant Professor at Ohio State University Medical Center.
- Haider Nazeer will be joining the Heart Failure team as an attending at NYU Long Island Hospital.

Clinical Cardiac Electrophysiology

- Andrew Chen will be joining a private practice in Southern California Heart Center.

Interventional Cardiology

- Rajeev Anchan will be a Interventional Cardiologist at Bryan Heart in Lincoln Nebraska.
- Ryan Burkhart will be a Interventional Cardiologist at Brooke Army Medical Center in Fort Sam Houston, TX.

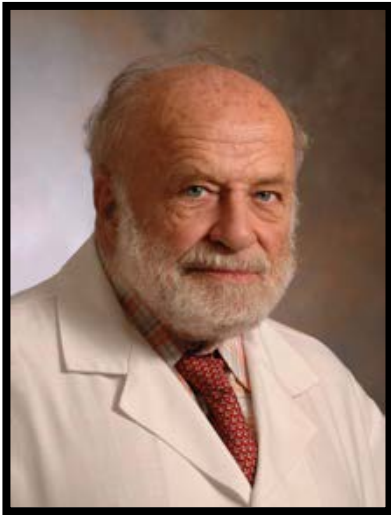
Cardiac Imaging

- Ilya Karagodin will be a General/Imaging Cardiologist at Northshore University Health System.
- Nazia Alvi will be a Cardiac Imaging Cardiologist at AMITA Health Group in Hinsdale IL.
- Hena Patel will be a Assistant Professor at The University of Chicago.

Preventive Cardiology

- Vishnu Palpati will be a Endocrinologist and Lipidologist at Warren Clinic Endocrinology in Tulsa, Oklahoma.

2020-2021 Rory R. Childers Cardiology Faculty Teaching Award



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
Dr. John Blair

**Congratulations,
Dr. Blair!**

Morton Arnsdorf Cardiovascular Research Day



The symposium highlights 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.

Unfortunately, 2021 Arnsdorf Research Day was a COVID-19 casualty, but it will come back even stronger in 2022!



Despite COVID-19, Our fellows have had a very impressive academic production this year.....

Publications and Abstracts

- COVID-19 infection-associated coagulopathy: Pathophysiology and clinical implications
AbdulRahman Abutaleb, MD, Sandeep Nathan, MD Journal of Interventional Neuroradiology
- Kong K, **Singh N**, **Mazzone S**, Burkhardt R, **Anchan RK**, Blair JE. Takotsubo's syndrome presenting as cardiogenic shock in patients with COVID-19: A case-series and review of current literature. Cardiovascular Revascularization Medicine. January 2021.
- **Anchan RK**, Cifu A, Paul JD. JAMA Current Practice Guidelines: Review of the 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation, JAMA. December 2020. (Accepted – JAMA CPG, In Press)
- **Anchan RK**, **Venturini JM**, **Larsen PM**, Fernandez C, Lee L, Kalathiya R, Paul J, Besser SA, Blair JE, Nathan S. Safe and rapid radial hemostasis achieved using a novel topical hemostatic patch: Results of a first-in-human study using hydrophobically modified polysaccharide-chitosan (hm-P). January 2021. (Accepted – CCI, In Press) Rajeev K. Anchan C: (402.670.2230) rajeevanchan@gmail.com
- **Anchan RK**, Wiebeler D, **Venturini JM**, **Dia AR**, Gruenstein DH, Shahul SS, Friant J, Kalathiya R, Blair J, Paul J, Nathan S, Besser SA, Shah AP. Initial Experience Assessing Feasibility and Safety of Conscious Sedation in Patients Undergoing Transcatheter Pulmonic Valve Implantation. December 2020. (Accepted – Structural Heart, In Press)
- **Singh N**, **Anchan RK**, Besser SA, Belkin MN, **Dela Cruz M**, **Lee L**, Yu DB, Mehta N, Nguyen AB, Alenghat FJ. High Sensitivity Troponin-T for Prediction of Adverse Events in Patients with COVID-19, Biomarkers. September 2020. DOI: 10.1080/1354750X.2020.1829056
- Acosta M, **Anchan RK**, Besser SA, Landeras L, Paul JD. Dual Energy CT-Derived Lung Hypoperfusion Poorly Predicts Acute Pulmonary Embolism Clinical Severity. Journal of the American College of Cardiology. ACC 2021, New Orleans, LA (Under Review)
- **Belkin MN**, Cifu A, Pinney SP. "JAMA Clinical Guideline Synopsis: Management of Heart Failure with

publications and abstracts continue...

Reduced Ejection Fraction.” Journal of the American Medical Association. Accepted June 2021.

- **Belkin MN**, Kalantari S, **Kanelidis AJ**, Miller T, Smith BA, Besser SA, Tehrani D, Chung BB, Nguyen AB, Sarswat N, Blair JE, Burkhoff D, Sayer G, Pinney SP, Uriel N, Kim G, Grinstein J. “Aortic Pulsatility Index: A Novel Hemodynamic Variable for Evaluation of Decompensated Heart Failure.” Journal of Cardiac Failure. Accepted May 2021. In press. PMID: 34048919
- **Belkin MN**, Alenghat FJ, Besser SA, Nguyen AB, Chung BB, Smith BA, Kalantari S, Sarswat N, Blair JEA, Kim G, Pinney SP, Grinstein J. “Aortic Pulsatility Index Strongly Predicts Clinical Outcomes in Heart Failure Patients: A Sub-analysis of the Escape Trial.” ESC: Heart Failure. 8(2):1522-1530. April 2021. PMID: 33595923
- Almousa SW*, **Belkin MN*** (*co-first authors), Allan T, Stephens A, Kern J, Cisneros M, Friant J, Arevalo C, Nathan S, Shah AP, Paul J, Kalathiya R, Grinstein J, Blair JB. “Left Ventricular Pressure Ratio Predicts In-Hospital Outcomes in Hospitalized Heart Failure with Reduced Ejection Fraction.” Journal of Invasive Cardiology. Accepted November 2020. In press.
- **Henry MP**, **Abutaleb A**, Jeevanandam V, Smith H, **Belkin MN**, Husain A, Pinney SP, Ota T, Lang RM, Addetia K. “Anatomic Description of Tricuspid Apparatus Interference from Implantable Intracardiac Devices.” JACC: Cardiovascular Imaging. Accepted February 2021. In Press. PMID: 33582061
- **Singh N**, **Anchan RK**, Besser SA, **Belkin MN**, Dela Cruz M, Lee L, Yu D, Mehta N, Nguyen AB, Alenghat FJ. “High Sensitivity Troponin-T for Prediction of Adverse Events in Patients with COVID-19.” Biomarkers. 25(8): 626-633. November 2020. PMID: 32981387
- **Belkin MN**, Sarswat N. “An Orphan Disease No More: Additional Treatment Options for Cardiac Amyloidosis.” Journal of Cardiac Failure. 26(7): 760-761. September 2020.
- **Belkin MN**, Imamura T, **Kanelidis AJ**, Henry MP, Fujino T, Kagan V, Meehan K, Okray J, Creighton S, LaBuhn C, Song T, Ota T, Jeevanandam V, Nguyen AB, Chung BB, Smith BA, Kalantari S, Grinstein J, Sarswat N, Pinney SP, Sayer G, Kim G, Uriel N. “Postoperative Tolvaptan Use in Left Ventricular Assist Device Implantation Patients: The TOLVAD Study.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- **Belkin MN**, Siddiqi U, Alenghat FJ, Nguyen AB, Chung BB, Smith BA, Kalantari S, Sarswat N, Kim G, Pinney SP, Grinstein J. “Combined Hemodynamic Measures of Left and Right Ventricular Function Predict Clinical Outcomes the ESCAPE Trial.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- **Belkin MN**, Shah AP, Nathan S, Kalathiya R, Song T, Ota T, Jeevanandam V, Nguyen AB, Chung BB, Smith BA, Kalantari S, Sarswat N, Kim G, Pinney SP, Grinstein J. “Performing under Pressure: Invasive Hemodynamics to Diagnose and Guide Treatment of LVAD Outflow Graft Stenosis.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- **Kanelidis AJ**, Miller T, **Belkin MN**, Siddiqi U, Rodgers D, Uriel N, Song T, Ota T, Kalantari S, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Jeevanandam V, Pinney S, Grinstein J. “Low Left Ventricular Stroke Work Index is Associated with a Poor Prognosis in LVAD Patients.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Miller T, **Belkin MN**, Siddiqi U, Rodgers D, **Kanelidis AJ**, Uriel N, Song T, Ota T, Kalantari S, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Jeevanandam V, Pinney S, Grinstein J. “Cardiac Power Output and Cardiac Power Efficiency Show Prognostic Value in LVAD Patients.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Miller T, **Belkin MN**, Siddiqi U, Rodgers D, **Kanelidis AJ**, Uriel N, Song T, Ota T, Kalantari S, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Jeevanandam V, Pinney S, Grinstein J. “Mean

publications and abstracts continue...

Arterial Pressure is Not Associated with Hemocompatibility-Related Outcomes in LVAD Patients.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021

- Siddiqi U, **Belkin MN**, Kalantari S, **Kanelidis AJ**, Miller T, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Pinney S, Grinstein J. “Combined Utility of Aortic Pulsatility Index and Pulmonary Artery Pulsatility Index for Risk Stratification in Advanced Heart Failure Patients.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Siddiqi U, **Belkin MN**, Kalantari S, **Kanelidis AJ**, Miller T, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Pinney S, Grinstein J. “Prognostic Role of Simultaneous Assessment of Biventricular Function Using Left Ventricular Stroke Work Index and Right Ventricular Stroke Work Index.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Siddiqi U, **Belkin MN**, Kalantari S, **Kanelidis AJ**, Miller T, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Pinney S, Grinstein J. “Percent Increase in Left Ventricular Stroke Work Index and Right Ventricular Stroke Work Index after Milrinone Infusion Predicts Escalation of Therapy and Mortality.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Siddiqi U, **Belkin MN**, Kalantari S, **Kanelidis AJ**, Miller T, Sarswat N, Nguyen A, Chung BB, Kim G, Smith BA, Pinney S, Grinstein J. “Percent Increase in Aortic Pulsatility Index and Pulmonary Artery Pulsatility Index after Milrinone Infusion Predicts Escalation of Therapy and Mortality.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- Smith BA, Kalantari S, **Belkin MN**, Chung BB, Nguyen A, Kim G, Besser S, Sarswat N, Jeevanandam V, Pinney S, Grinstein J. “The Effect of Race and Gender on Response to Milrinone and Time to LVAD or Transplant.” International Society of Heart and Lung Transplantation. Toronto, Canada. April 2021
- **Belkin MN**, Alenghat F, Besser S, Nguyen A, Chung BB, Smith B, Kalantari S, Sarswat N, Blair JEA, Kim G, Grinstein J. “Aortic Pulsatility Index Strongly Predicts Clinical Outcomes in Heart Failure Patients: A Sub-analysis of the Escape Trial.” American Heart Association Scientific Sessions. Dallas, TX. November 2020.
- **Belkin MN**, Alenghat F, Besser S, Nguyen A, Chung BB, Smith B, Kalantari S, Sarswat N, Blair JEA, Kim G, Grinstein. “Aortic Pulsatility Index Predicts Heart Failure Rehospitalization: A Sub-analysis of the Escape Trial.” American Heart Association Scientific Sessions. Dallas, TX. November 2020.
- He G, **Kanelidis AJ**, **Belkin MN**, Paul JD. “Down the Tube: An Unusual Case of Cardioembolic STEMI.” ACP Illinois Northern Poster Competition. October 23, 2020.
- **Belkin MN**, Blair JE. “Bariatric Surgery in Heart Failure.” Difficult Decisions in Bariatric Surgery. 59-66. 2021
- **Belkin MN**. “LIFE: Sacubitril-Valsartan Safe in Patients with Advanced HF, but without Significant Effect on NT-proBNP.” Docwirenews. May 17, 2021. <https://www.docwirenews.com/cardiology/life-sacubitril-valsartan-safe-advanced-heart-failure/>
- **Belkin MN**. “Stiff Arteries May Play an Important Role in HFpEF Mechanism & Prognosis.” Docwirenews. June 17, 2021. <https://www.docwirenews.com/docwire-pick/cardiology-picks/stiff-arteries-heart-failure-with-preserved-ejection-fraction-prognosis/>
- **Singh N, Anchan R**, Besser S, **Belkin M, Dela Cruz M, Lee L, Yu D**, Mehta N, Nguyen A, Alenghat F. High Sensitivity Troponin-T for Prediction of Adverse Events in Patients with COVID-19. Biomarkers. 2020; 1-8. PMID: 32981387
- Narang N, **Dela Cruz M**, Imamura T, Chung B, Nguyen A, **Holzhauser L**, Smith B, Kalantari S, Raikhelkar J, Sarswat N, Kim G, Jeevanandam V, Burkhoof D, Sayer G, Uriel N. Discordance Between

publications and abstracts continue...

Lactic Acidemia and Hemodynamics in Patients with Advanced Heart Failure. Clinical Cardiology. 2021 May; 44(5): 636-645. PMID: 33734459

- Thakkar A, Ma Y, Wu A, **Dela Cruz M**, Wu Y, Rahalkar S, Deeks S, Scherzer R, Ganz P, Hsue P. Effect of HIV-1 infection on angiopoietin 1 and 2 levels, and measures of microvascular and macrovascular endothelial dysfunction. JAHA. Accepted for publication. 2021 July.
- Hu K, Siddiqi U, Cruz J, Hoang R, Lee A, Acosta M, **Dela Cruz M**, Smith B, Chung B, Nguyen A, Sarswat N, Kim G, Jeevanandam V, Pinney S, Grinstein J, Kalantari S. Is VE/VCO₂ Slope More Reflective of Isolated Cardiac Performance Compared to Peak VO₂: A Comparison of Cardiopulmonary Stress Test Variables Before and After Transplantation. International Society of Heart and Lung Transplantation 41st Annual Meeting (Virtual 2021)
- **Kanelidis A, Miller P, Prabhu N, Dela Cruz M**, Kalantari S, Alenghat F, Moskowitz I, Sarswat N, Derman B, Polonsky T, DeCara J. ATTR Cardiac Amyloidosis Meets Multiple Myeloma: The Importance of Cardiac Biopsy. American College of Cardiology Scientific Session (Virtual 2021)
- **Dia A**, Cifu A, Shah A. Management of Patients With a Patent Foramen Ovale With History of Stroke or TIA. JAMA. January 2021; 321 (17): 1852-1853
- **Anchan R**, Weiber D, **Venturini J, Dia A**, Gruenstein D, Shahul S, Kalathiya R, Blair J, Paul J, Nathan S, Shah A. Initial Experience Assessing the Feasibility of Conscious Sedation in Patients Undergoing Transcatheter Pulmonic Valve Implantation. Journal of the Structural Heart. January 2021; 43 (32): 432-438.
- **Dia A, Venturini JM**, Kalathiya RJ, Besser S, Estrada JR, Friant J, Paul J, Blair JE, Nathan S, Shah AP. Two-year follow-up of bioresorbable vascular scaffolds in severe infra-popliteal arterial disease. Vascular. 2020 Sep 14:1708538120954947. doi: 10.1177/1708538120954947. Epub ahead of print. PMID: 32921290. AbdulRahman Dia, M.D.
- **Rajeev Anchan**, Diane Weibeler, **AbdulRahman Dia**, **Joseph Venturini**, Daniel Gruenstein, Sajid Shahul, Rohan Kalathiya, John Blair, Stephanie Besser, Jonathan Paul, Sandeep Nathan, Atman Shah. Initial experience assessing feasibility and safety of conscious sedation in patients undergoing transcatheter pulmonic valve implantation. PICS 2020.
- Ward TJ, Sun D, Oliveria L, Lang RM. **Dia A**, Markuzon N, Ward RP. Utilization of Complete vs. Limited Transthoracic Echocardiography: An Opportunity for Cost Savings in the Era of Value Based Care. American College of Cardiology, 2020 Scientific Sessions. J Am Coll Cardiol. 2020; 75(11):1781.
- **Yu D, McClelland, I**, Flahive S, **Dia A**, Ward RP. Same-Day Cancellations of Transesophageal Echocardiography: Targeted Remediation to Improve Operational Efficiency. JASE. August 2020.
- **Patel HN**, Miyoski T, Addetia K, **Henry MP**, Lang RM. Normal Values of Cardiac Output and Stroke Volume According to Measurement Technique, Age, Sex and Ethnicity: Results of the World Alliance of Societies of Echocardiography Study. Journal of American Society of Echocardiography. 2021. <https://doi.org/10.1016/j.echo.2021.05.012>
- **Henry M, Abutaleb A**, Addetia K. Anatomic Description of Tricuspid Apparatus Interference From Implantable Intracardiac Devices. J Am Coll Cardiol Cardiovasc Imaging. Feb 10, 2021. Epublied DOI: 10.1016/j.jcmg.2020.12.016
- Nasivaco S, **Henry M**, Ward RP, Balky S. Totally endoscopic robotic-assisted excision of right ventricular papillary fibroelastoma. Journal of Robotic Surgery. PMID 30610534.
- Pulia M, Salman T, **Henry M**, Lopez JJ. Impact of Emergency Medical Services Activation of the Cardiac Catheterization Laboratory and a 24-Hour/Day In-Hospital Interventional Cardiology Team on

publications and abstracts continue...

Treatment Times (Door to Balloon and Medical Contact to Balloon) for ST-Elevation Myocardial Infarction. American Journal Cardiology. PMID 31056110.

- Kebed K, Addetia K, **Henry M**, Yamat M, Weinert L, Besser SA, Mor-Avi V, Lang RM: Refining severe tricuspid regurgitation definition by echocardiography with a new outcomes based “massive” grade. J Am Soc Echocardiogr (in press; DOI: 10.1016/j.echo.2020.05.007).
- Chen W, Saxon DT, **Henry MP**, Bhavne NM. Effects of an Electronic Medical Record Intervention on Appropriateness of Transthoracic Echocardiograms: A Prospective Study. Journal of the American Society of Echocardiography, 2020. PMID 33139140.
- Upadhyay G, **Henry M**, Tung R. Impact of Corrective His Bundle Pacing on Mitral Regurgitation in Patients with Systolic Dysfunction: Evaluation of Echocardiographic Remodeling.
- **Belkin M**, Kalantari S, **Kanelidis A**, Miller T, Smith B, Besser S, Tehrani S, Chung B, Nguyen A, Sarswat N, Blair J, Burkhoff D, Sayer G, Pinney S, Uriel N, Kim G, Grinstein J. Aortic Pulsatility Index: A Novel Hemodynamic Variable for Evaluation of Decompensated Heart Failure. Journal of Cardiac Failure (JCF). 2021 May.
- **Kanelidis A**, Imamura T, Yang B, Miller T, Bharmal M, Kim G, Sayer G, Uriel N. Hyponatremia is Associated with Higher Readmission Rates in Patients with Left Ventricular Assist Devices. American Society for Artificial Internal Organs (ASAIO). 2021 Feb.
- Piscitello G, Kapania E, **Kanelidis A**, Siegler M, Parker W. The Use of Slow Codes and Medically Futile Codes in Practice. Journal of Pain and Symptom Management. 2020 Dec.
- **Kanelidis A**, Raikhelkar J, Kim G, Sayer G, Bishop M, Polonsky T, Uriel N. CardioMEMS guided CAR T-cell therapy for lymphoma in a patient with anthracycline-induced cardiomyopathy. Journal of the American College of Cardiology (JACC): CardioOncology. 2020 Sep.
- **Kanelidis, AJ, Miller, PJ, Prabhu, N**, DeCara, J., et al. “ATTR Cardiac Amyloidosis Meets Multiple Myeloma: The Importance of Cardiac Biopsy.” Case report at American College of Cardiology 70th Annual Scientific Session. Virtual. May 15-17, 2021.
- **Karagodin, I.**, Singulane, C. C., Woodward, G. M., Lang, R.M., et al (2021). Echocardiographic Correlates of In-Hospital Death in Patients with Acute COVID-19 Infection: The World Alliance Societies of Echocardiography (WASE-COVID) Study. Journal of the American Society of Echocardiography.
- **Karagodin, I.**, Yamat, M., Addetia, K. and Lang, R.M., 2021. Visualization of Number of Tricuspid Valve Leaflets Using Three-Dimensional Transthoracic Echocardiography. Journal of the American Society of Echocardiography, 34(4), pp.449-450.
- Kaptein, Y., **Karagodin I.**, Zuo H., et al. Identifying Phenogroups in Patients with Subclinical Diastolic Dysfunction Using Unsupervised Statistical Learning. BMC Cardiovasc Disord. 2020 Aug 14;20(1):367.
- **Karagodin, I.**, Addetia K., Singh A., et al. Improved Delineation of Cardiac Pathology Using a Novel 3D Echocardiographic Tissue Transparency Tool. Journal of the American Society of Echocardiography. 2020 Nov 1; 33(11): 1316-23.
- Erley J., Tanacli R., Genovese D., Tapaskar N., Rashedi N., Bucius P., Kawaji K., Lang, R., Kelle S., **Karagodin I.**, et al. Myocardial Strain Analysis of the Right Ventricle: Comparison of Different Cardiac Magnetic Resonance and Echocardiographic Techniques. J Cardiovasc Magn Reson. 2020 Jul 23;22(1):51.
- Carter, S. V., Jameria, Z., **Karagodin, I.**, Tung, R., & Upadhyay, G. A. (2020). Real-world safety of

publications and abstracts continue...

magnetic resonance imaging after His bundle pacemaker implantation. *HeartRhythm CaseReports*, 6(10), 697.

- Singulane C, **Karagodin I**, Addetia K, Singh Am, DeCara JM, Ward RP, Patel AR, Mor-Avi V, Lang RM: Comparison of Echocardiographic Phenotypes of First and Second Waves of COVID-19 Patients at a Large, Urban Tertiary Medical Care Center. Presented at ASE 2021 Scientific Sessions in President's Circle (manuscript currently Under Review in *American Journal of Cardiology*).
- Yamat M, **Karagodin I**, Singulane C, **Henry M**, Kruse E, Patel AR, DeCara JM, Addetia K, Singh A, Mor-Avi V, Lang RM: Utility of Transillumination and Transparency Renderings in 3D Transthoracic Imaging. Presented at ASE 2021 Scientific Sessions (manuscript currently Under Review in *JACC: Cardiovascular Imaging*).
- **Karagodin I**, Singulane C, Woodward G, ..., Addetia K, Lang RM, Asch FM: WASE COVID-19 Study: Identifying the Optimal Composite Marker for Predicting Mortality. Presented at ASE 2021 Scientific Sessions (President's Circle).
- **Karagodin I**, Singulane C, Woodward G, Addetia K, Lang RM, Asch F, et al: WASE COVID-19 Study: Regional Differences in Echocardiographic Phenotype and Relationship with Mortality. Presented at ASE 2021 Scientific Sessions (President's Circle).
- Mumith A, Ions K, **Karagodin I**, Singulane C, Addetia K, Lang RM, Asch FM, et al: Cloud and AI-based environment enabling global collaboration for automated assessment of LV function in the World Alliance Societies of Echocardiography (WASE) – COVID Study. Presented at ASE 2021 Scientific Sessions.
- Descamps T, Woodward GM, **Karagodin I**, Singulane C, Addetia K, Lang RM, Asch FM, et al: AI-Enabled LV Functional Assessment Reduced Operator Variability and Increased Statistical Power for Outcome Detection: World Alliance Societies of Echocardiography (WASE)-COVID Study. Presented at ASE 2021 Scientific Sessions.
- Narang A, **Karagodin I**, Hitschrich N, Schreckenberger M, Schummers G, Hitschrich D, Singh A, Addetia A, Mumm B, Lang RM: Improvement in Sizing of Left Atrial Appendage Occluder Devices Using Virtual Reality. Presented at ASE 2021 Scientific Sessions.
- **Karagodin I.**, **Lee L.**, Lang, R.M. Updates and Innovations in 3D Echocardiography (Book Chapter for Dominican Textbook of Cardiology).
- **Karagodin I.**, Lang, R.M. Future Innovations in 3D Echocardiography (Book Chapter for Gill: Atlas of 3D Echocardiography 2e).
- **Karagodin, I.**, Singh, A., & Lang, R. M. (2020). Pathoanatomy of Mitral Regurgitation. *Structural Heart*, 4(4), 254-263.
- **Karagodin, I**, Kebed K, Singh A, Addetia K, Shah AP, Lang RM (2020). Stabbed Through the Heart: An Unusual VSD Presentation. *JACC: Case Reports*. 2020 April; 2(4): 559-664.
- **Karagodin I**, Shah A, Lang RM (2020). Guided by the Light: Transillumination of Paravalvular Leak. *JAMA cardiology*, 5(8), pp.e203260-e203260.
- **Karagodin I**, Genovese D, Kruse E, Patel AR, Rashedi N, Lang RM, and Mor-Avi V (2020). Contrast-Enhanced Echocardiographic Measurement of Longitudinal Strain: Accuracy and its Relationship with Image Quality. *Int J Cardiovasc Imaging*. 2020 March; 36(3):431-439.
- **Karagodin I**, Kalantari S, **Yu DB**, Kim G, Sayer G, Addetia K, Tayazime S, Weinert L, Yamat M, Uriel N, Lang RM, Mor-Avi V (2019). Echocardiographic evaluation of the effects of sacubitril-valsartan on vascular properties in heart failure patients. *Int J Cardiovasc Imaging*. 2020 Feb; 36(2):271-278. PMID: 31583499
- **Karagodin I**, Kruse E, Blair JEA, Shah AP, Lang RM (2019). Asymmetric Calcification in Rheumatic Mitral Stenosis and Implications for Balloon Valvuloplasty. *JACC: Case Reports*. 2019 Dec; 1(4), 493-494.

publications and abstracts continue...

- **Karagodin I**, Hipke K, Guile B, Dejanovic T, Kezurer I, Binenbaum M, Gonen R, Ludomirsky A, Lipman Y, Mor-Avi V, Lang, RM (2020). Automated 2D Echocardiographic Assessment of Left Ventricular Function using Machine Learning Software Incorporated into a Handheld Imaging Device. Presented at Virtual 31st Annual American Society of Echocardiography Scientific Sessions (August 2020). Abstract published in Journal of the American Society of Echocardiography. 2020 Jun; 33 (6): B46-47.
- Yamat M, **Karagodin I**, Addetia K, Soulat-Dufour L, Singh A, DeCara JM, Mor-Avi V, Lang RM (2020). Improved Visualization of Cardiac Orifices Using Transillumination with 3D Transesophageal Echocardiography. Presented at Virtual 31st Annual American Society of Echocardiography Scientific Sessions (August 2020). Abstract published in Journal of the American Society of Echocardiography. 2020 Jun; 33(6): B100.
- Yamat M, **Karagodin I**, Addetia K, Singh A, Mor-Avi V, Lang RM (2020). 3D Transthoracic Echocardiography for Visualization of Number of Tricuspid Valve Leaflets. Presented at Virtual 31st Annual American Society of Echocardiography Scientific Sessions (August 2020). Abstract published in Journal of the American Society of Echocardiography. 2020 Jun; 33(6): B87.
- Singh A, Su J, Kebed K, Addetia K, **Karagodin I**, Mor-Avi V, Lang RM, Bonnefous O (2020). Semi-Automated Quantification of Mitral Regurgitation with 3D Color Data: A More Physiologic Approach to Mitral Regurgitation Severity? Presented at Virtual 31st Annual American Society of Echocardiography Scientific Sessions (August 2020). Abstract published in Journal of the American Society of Echocardiography. 2020 Jun; 33(6): B94.
- **Karagodin I**, **Hackett I**, Kim G, Lang RM, Grinstein J (2020). Effects of Various LVAD models on Echocardiographic Markers of Aortic Compliance. Accepted for presentation at the 40th Annual International Society of Heart and Lung Transplantation (ISHLT) Scientific Sessions (canceled due to COVID-19). Abstract published in Journal of Heart and Lung Transplantation. 2020 April; 39(4): S349.
- **Henry M**, **Karagodin I**, Patel S, Lang RM, Nathan S. Mechanical Mitral Valve Thrombosis Successfully Treated with Catheter-Directed tPA (2020). Accepted for presentation at 69th Annual American College of Cardiology Scientific Sessions, Chicago, IL (canceled due to COVID-19). Abstract published in JACC. 2020 March; 75(11): 3329.
- **Lee L**, Mishra S, Sun D, Besser S, Mor-Avi V, Lang RM, Ward P. Utilization of Inpatient Transthoracic Echocardiography in Response to the 2017 AHA/ACC/HRS Guidelines for Syncope. JACC Cardiovascular Imaging 2021;14(3):697-698.
- **Lee L**, Mor-Avi V, Lang RM. Artificial Intelligence in Echocardiography: Key Concepts and Emerging Applications. Textbook Chapter, submitted for review.
- **Singh N**, **Anchan R**, Besser S, **Belkin M**, **Dela Cruz M**, **Lee L**, et al. High sensitivity Troponin-T for prediction of adverse events in patients with COVID-19. Biomarkers 2020. In press.
- **Lee L**, DeCara J. Point-of-Care Ultrasound. Current Cardiology Reports 2020;22:149-159.
- **Anchan R**, **Venturini J**, **Larsen P**, **Lee L**, Fernandez C, Besser S, Kalathiya R, Paul J, Blair J, Nathan S. Safe and rapid hemostasis achieved using a novel topical hemostatic patch: Results of a first-in- human pilot study using hydrophobically modified polysaccharide-chitosan. Catheterization and Cardiovascular Interventions 2021. In press.
- **Miller, PJ**, Shah, J.A, Polonsky, T. "Immune Checkpoint Inhibitor Myocarditis – A Must Note Miss Diagnosis." Case report at American College of Cardiology 70th Annual Scientific Session. Virtual. May 15-17, 2021.
- **Kanelidis, AJ**, **Miller, PJ**, **Prabhu**, N, DeCara, J., et al. "ATTR cardiomyopathy meets multiple myeloma: the importance of cardiac biopsy." Case report submitted to JACC CardioOncology. Under Review. May 2021.
- **Rao S**, Kwasnik A, Tung R. Direct Epicardial Recordings in the Region of the Septopulmonary Bundle: Anatomy "Behind" Posterior Wall Activation. JACC Clin Electrophysiol. 2020 Sep;6(9):1214-

publications and abstracts continue...

1216. doi: 10.1016/j.jacep.2020.04.027.

- **Rao S, Tung R.** Managing Syncope After Transcatheter Valve Replacement: More than Meets the Eye. Editorial. J Innov Card Rhythm Manag. 2020 Mar 11(3):4037-4040
- **Pablo Salazar**, Sreenivas Konda, Arvind Sridhar, Zarema Arbieva, Martha Daviglus, Dawood Darbar, Jalees Rehman. Common genetic variation in circadian clock genes are associated with cardiovascular risk factors in an African American and Hispanic/Latino cohort. IJC Heart & Vasculture, Volume 34, 2021.
- **Pablo Salazar, MD, Andrew Chen, MD, Aalap Narichania, MD, Ryan Burris, MD, Swati Rao, MD, Urooba Nadeem, MD, Roderick Tung, MD.** Refractory Ventricular Tachycardia Originating From an Intracardiac Metastasis Treated With Catheter Ablation. J Am Coll Cardiol Case Rep 2021
- **Pablo Salazar, MD; Takuro Nishimura, MD, PhD; Hemal Nayak, MD, Gaurav Upadhyay MD, Zaid Aziz MD, Andrew Beaser MD, Stephanie Besser MSAS, MD; Roderick Tung, MD.** Twelve-lead Electrocardiogram Criteria Fail to Identify Epicardial Scar-Related Ventricular Tachycardias Complete Epi-Endo Circuit Mapping as Gold Standard.
- **Pablo Salazar, MD1; Andrew Beaser, MD1; Gaurav Upadhyay MD1; Zaid Aziz MD1; Stephanie Besser, MSAS1; Hemal Nayak, MD1; Roderick Tung, MD1. .** EMPIRIC ABLATION OF POLYMORPHIC VENTRICULAR TACHYCARDIA/FIBRILLATION IN THE ABSENCE OF A MAPPABLE TRIGGER: Feasibility and Efficacy of Pacemap Matching to Defibrillator Electrograms
- **Sanderson R, Yamat M, Schreckenber M, Hitschrich N, Miyoshi T, Addetia K, Asch FM, Mor-Avi V, Lang RM:** Feasibility of Automated Measurement of Aortic Valve Area in Patients with Aortic Stenosis Using Machine Learning Technique. Poster presented at: American Society of Echocardiography, June 2021; Virtual Conference
- **Singh N., Kalathiya R.** Transient Complete Heart Block: A Case Report of a Rare Complication of Tricuspid Valve Endocarditis. EHJ Case Reports. Accepted – in press
- **Singh N., Singh A., Besser S., Lang R., Mor-Avi V., Kosuri S., Bishop M., DeCara J.** Echocardiographic Predictors of New-Onset Atrial Arrhythmias in Patients Undergoing Hematopoietic Stem Cell Transplantation. International Journal of Cardiology. <https://doi.org/10.1016/j.ijcard.2021.06.038> Accepted – in press
- **Nadeswaran P., Ding L., Singh N., Plotkin A., Magee G., Han S., Garg P.** Functional performance status and risk of cardiovascular events and mortality following endovascular events and mortality following endovascular repair of thoracic and abdominal aortic pathology. Vascular. 2021. doi: 10.1177/17085381211010545
- **Kong N., Singh N., Mazzone S., Burkhardt R., Anchan R, Blair J.** Takotsubo's syndrome presenting as cardiogenic shock in patients with COVID-19: A case-series and review of current literature. Cardiovasc Revasc Med. 2021; doi: 10.1016/j.carrev.2021.01.017
- **Singh N., Anchan R.A., Besser S.A., Belkin M.N., Dela Cruz M., Lee L., Yu D., Mehta N., Nguyen A.B., Alenghat F.A.** High Sensitivity Troponin-T for Prediction of Adverse Events in Patients with COVID-19. Biomarkers. 2020; doi:10.1080/1354750X.2020.1829056
- **Singh N., Ding L., Magee G., Shavelle D., Kashyap V., Garg, P.** Discharge Prescription Patterns for Anti-Platelet Therapy Following Lower Extremity Peripheral Vascular Intervention. Circulation: Cardiovascular Interventions. 2020; 13(8): doi: 10.1161/CIRCINTERVENTIONS.11900879

Posters and Presentations

- Kong K, **Singh N, Mazzone S, Burkhardt, Anchan RK**, Blair JE. Takotsubo's syndrome presenting as cardiogenic shock in patients with COVID-19: A case-series and review of current literature. Cardiovascular Revascularization Medicine. January 2021.
- **Anchan RK**, Cifu A, Paul JD. JAMA Current Practice Guidelines: Review of the 2020 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation, JAMA. December 2020. (Accepted – JAMA CPG, In Press)
- **Anchan RK, Venturini JM, Larsen PM**, Fernandez C, **Lee L**, Kalathiya R, Paul J, Besser SA, Blair JE, Nathan S. Safe and rapid radial hemostasis achieved using a novel topical hemostatic patch: Results of a first-in-human study using hydrophobically modified polysaccharide-chitosan (hm-P). January 2021. (Accepted – CCI, In Press)
- **Dela Cruz M**, Grinstein J, Kumai Y, Hu Kelli, Siddiqi U, Smith B, Kim G, Sarawat N, Nguyen A, Chung BC, Pinney S, Kalantari S. The Use of Cardiopulmonary Stress Testing to Predict Poor Outcomes Post-Heart Transplantation. International Society of Heart and Lung Transplantation 41st Annual Meeting (Virtual 2021)
- **Dela Cruz M**, Besser S, Sarawat N, Smith B, Grinstein J, Nguyen A, Chung B, Kalantari S, Kim G. Immune Function Testing and Long-Term Immune-Related Outcomes among Heart Transplant Recipients. International Society of Heart and Lung Transplantation 41st Annual Meeting (Virtual 2021)
- **Dela Cruz M**, Grinstein J. Penetrating Giant Pseudoaneurysm of the Left Ventricle Complicating a Combined Heart-Liver Transplant. International Society of Heart and Lung Transplantation 41st Annual Meeting (Virtual 2021)
- **Dela Cruz M**, Paul J. Pneumocardia: A Case for Conservative Management. American College of Cardiology Scientific Session (Virtual 2021)
- **Dela Cruz M**, Littmann E, Nayak R, Lehmann C, Keskey R, Baker T, Lin H, Bennett A, Kim G, Pinney S, Pamer E, Nguyen AB. The Gut Microbiome in Heart Transplantation: A Prospective Pilot Study. International Society of Heart and Lung Transplantation 41st Annual Meeting (Virtual 2021)
- **Dela Cruz M**, Littmann E, Nayak R, Lehmann C, Keskey R, Baker T, Lin H, Bennett A, Kim G, Pinney S, Pamer E, Nguyen AB. The Gut Microbiome in Heart Transplantation: A Prospective Pilot Study. Poster presentation at Cutting Edge of Transplantation Meeting 2021. Oral presentation at the American Transplant Congress 2021
- **Kanelidis A, Miller T, Belkin M**, Siddiqi U, Rogers D, Uriel N, Song T, Ota T, Kalantari S, Sarawat N, Nguyen A, Chung B, Kim G, Smith B, Jeevanandam V, Pinney S, Grinstein J. Low Left Ventricular Stroke Work Index is Associated with a Poor Prognosis in LVAD Patients. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- **Kanelidis A, Miller P, Prabhu N, Dela Cruz M**, Kalantari S, Alenghat F, Moskowitz I, Sarawat N, Derman B, Polonsky T, DeCara J. ATTR Cardiac Amyloidosis Meets Multiple Myeloma: The Importance of Cardiac Biopsy. American College of Cardiology (ACC). 2021 May.

posters and presentations continue...

- **Belkin M**, Imamura T, **Kanelidis A**, Henry M, Fujino T, Kagan V, Meehan K, Okray J, Creighton S, Colleen L, Song T, Ota T, Jeevanandam V, Nguyen A, Chung B, Smith B, Kalantari S, Grinstein J, Sarswat N, Pinney S, Sayer G, Kim G, Uriel N. Postoperative Tolvaptan Use in Left Ventricular Assist Device Implantation Patients: The TOLVAD Study. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- **Miller T**, **Belkin M**, Siddiqi U, **Kanelidis A**, Rogers D, Uriel N, Song T, Ota T, Kalantari S, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Jeevanandam V, Pinney S, Grinstein J. Mean Arterial Pressure is Not Associated with Hemocompatibility Related Outcomes in Patients with Left Ventricular Assist Devices. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Miller T, **Belkin M**, Siddiqi U, Rogers D, **Kanelidis A**, Uriel N, Song T, Ota T, Kalantari S, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Jeevanandam V, Pinney S, Grinstein J. Cardiac Power Output and Cardiac Power Efficiency Show Prognostic Value in Patients with Left Ventricular Assist Devices. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Siddiqi U, **Belkin M**, Kalantari S, **Kanelidis A**, Miller T, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Pinney S, Grinstein J. Combined Utility of Aortic Pulsatility Index and Pulmonary Artery Pulsatility Index for Risk Stratification in Advanced Heart Failure Patients. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Siddiqi U, **Belkin M**, Kalantari S, **Kanelidis A**, Miller T, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Pinney S, Grinstein J. Prognostic Role of Simultaneous Assessment of Biventricular Function Using Left Ventricular Stroke Work Index and Right Ventricular Stroke Work Index. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Siddiqi U, Belkin M, Kalantari S, **Kanelidis A**, Miller T, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Pinney S, Grinstein J. Percent Increase in Aortic Pulsatility Index and Pulmonary Artery Pulsatility Index After Milrinone Infusion Predicts Escalation of Therapy and Mortality. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Siddiqi U, Belkin M, Kalantari S, **Kanelidis A**, Miller T, Sarswat N, Nguyen A, Chung B, Kim G, Smith B, Pinney S, Grinstein J. Percent Increase in Left Ventricular Stroke Work Index and Right Ventricular Stroke Work Index After Milrinone Infusion Predicts Escalation of Therapy and Mortality. International Society for Heart and Lung Transplantation (ISHLT). 2021 Apr.
- Kapania E, **Kanelidis A**, Parker W, Piscitello G. The Use of Slow Codes in Medical Practice. CHEST. 2020 Oct.
- He G, **Kanelidis A**, Belkin M, Paul J. Down the Tube: An Unusual Case of Cardioembolic Myocardial Infarction. American College of Physicians (ACP). 2020 Oct. Virtual Presentation Link: https://www.youtube.com/watch?v=xfcWe4hxfH8&ab_channel=GongHe
https://www.youtube.com/watch?v=xfcWe4hxfH8&ab_channel=GongHe
https://www.youtube.com/watch?v=xfcWe4hxfH8&ab_channel=GongHe
- **Rao S**, Kwasnik A, Nayak H, Upadhyay G, Beaser A, Aziz Z, Tung R. Re-appraisal of the Cavotricuspid Region as a Functional Isthmus During Atrial Flutter: A High-Resolution Activation Mapping Study. American College of Cardiology Scientific Sessions 2021, Virtual Sessions
- **Rao SN**, Beaser, AD, Aziz Z, Upadhyay G, Nayak H, Bag R, Tung R. Radio-frequency Catheter Based Pulmonary Denervation for Severe Pulmonary Hypertension: Initial Feasibility. American College of Cardiology Scientific Sessions 2021, Virtual Sessions

Awards, Leadership, Involvement...

Mark Dela Cruz

2021 American Transplant Congress Thoracic Critical Care Community of Practice Grant

Ilya Karagodin

Top Investigator Travel Grant at ASE 2021
President's Circle at ASE 2021
NIH T32 Cardiovascular Sciences Training Grant for 2020-2021