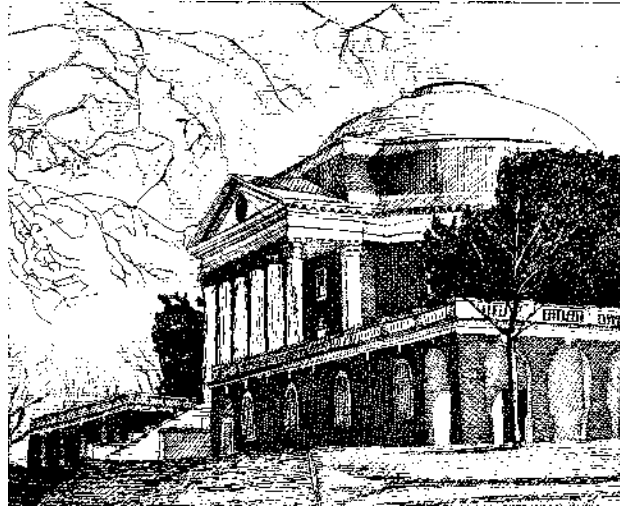


UNIVERSITY OF VIRGINIA
Department of Medicine

CAREY♦MARSHALL♦THORNER
Research & Scholars' Day
2022



Tuesday & Friday,
May 24th & 27th 2022

PROGRAM



Tuesday, May

24th

Poster Presentations will take place in the ERC Auditorium

12 – 1:30 pm

Friday,

Oral Presentations

May 27th

Education Resource Center Auditorium. In person attendees

12 – 1:15 pm

are welcome and encouraged.

Friday,

Carey Marshall and Thorner Research and Scholars Day

May 27th

Award' s

1:15 – 1:30 pm

Please join us following the Oral presentations for The

Research & Scholars Day Award's.

Oral Presentations:

Maria Geba, M.D.

12 to 12:15

- **Prevalence and Predictors of Anal Dysplasia in People Living with HIV**

Glenda Candaran, Ph.D.

12:15 to 12:30

- **Survivors Of Severe COVID-19 With Long-Haul Respiratory Symptoms Display Enhanced Activation of Circulating T Cells**

Brian Peterson, M.D.

12:30 to 12:45

- **REACT: A Tool for Formative Assessment of Clinical Reasoning During Urgent Clinical Care**

Christian Widere, M.D.

12:45 to 1:00

- **Single-Cell Transcriptomic Landscape of Leukotriene A4 Hydrolase Modulation in Klebsiella Pneumoniae Infection**

Anuragh R. Gudur, M.D.

1:00 to 1:15

- **Comparison of Endoscopic Sleeve Gastroplasty versus Surgical Sleeve Gastrectomy: a MBSAQIP Analysis**

Poster Presentations

(The name of the primary author is underlined)

Poster Presentations Allergy, Asthma & Immunology

1. **Versatile High-Dimensional Tool for Defining Complex T-cell Signatures in Asthma**
Naomi Bryant, MS, Glenda Canderan, PhD, Lyndsey Muehling, PhD, Judith Woodfolk, MBChB
PhD, University of Virginia

Cardiovascular Medicine

2. **Impact of COVID-19 on Emergency Department Stroke and STEMI Care: A Narrative Review**
Banfield W.H., Elghawy O.W., Dewanjee A., and Brady W.J.
3. **Heart Rate Index is Associated with Adverse Clinical Outcomes in Heart Failure with Reduced Ejection Fraction – insights from the HF-ACTION Trial**
Persey B., Kenneth B, Kajal S, Olivia B, Nishtha S, Khadijah B, Hunter M, Nishaki M, Younghoon K, John H, Sula M; University of Virginia, Charlottesville, VA
4. **International Practice Patterns of Coronary Artery Calcium Scanning Prior to Coronary CT Angiography**
Andrew S. Brown, J. Ford Franklin, Andrew D. Choi, David J. Hur, Todd C. Villines
5. **Myocarditis Masquerading as Myocardial Infarction with Non-obstructive Coronary Arteries (MINOCA): A Doubly Deceptive NSTEMI Presentation**
Nisha Hosadurg, MBBS, Patricia Rodriguez Lozano, MD, Nishtha Sodhi, MD, Christopher Kramer, MD; Division of Cardiovascular Medicine, University of Virginia.
6. **An Unsolved Case: FH or Sitosterlioma?**
Juliette Logan, MD, Michael Parker Ayers, MD, FACC
7. **Antiplatelet and Oral Anticoagulation Therapy Post Transcatheter Aortic Valve Replacement**
George Mawardi MD, Ivonne Valentina Lollett MD, Scott Lim, MD, Nishta Sodhi, MD, Michael Ragosta MD. University of Virginia, Charlottesville, VA
8. **Myocardial Perfusion is Associated with Biomarkers of Metabolic Disease and Cardiac Remodeling in HFpEF**
Jonathan Pan, Connor Siggins, Adrian Loeffler, Sujith Kuruvilla, Fred Epstein, Christopher Kramer, Ellen Keely, Li-Ming Gan, Michael Salerno

9. **An Exercise Induced Hyperemia ASL and CrCEST combined protocol at 3T in the Study of Metabolic and Perfusion Changes Post Revascularization in Peripheral Arterial Disease**
Toral R Patel, MD; MD; Yaqub Betz, MD; Helen L Sporkin, BS; Craig H Meyer, PhD, Christopher M Kramer, MD.
10. **Functional Effects of Therapeutic Ultrasound for Calcific Degenerative Mitral Stenosis**
Rodriguez-Lozano, Kohli k, Robinson A, Xie Y, Zhao F, Sadri V*, Gooden S, Samaee M, Thim A, Morsy M, Klibanov A, Kramer CM, Hossack J, Yoganathan AP
11. **Pre-TAVR Systemic Arterial Pulsatility Index Predicts Mortality in Patients with LV Dysfunction and Severe Aortic Stenosis**
Selinski C MD, Strickling J MD, Katz S, Rojas-Pena E MD, Ashur N MD, Bilchick K MD, Sodhi N MD, Lim S MD, Taylor A MD, Ragosta A MD, Mehta N MD, Breathett K MD, and Mazimba S MD
12. **Coronary Perfusion Pressure is Associated with Adverse Clinical Outcomes in the HF-ACTION Study**
Kajal Shah, Kenneth Bilchick, Prerna Sharma, Christiana Jeukeng, Hunter Mwansa, Persey Bediako, Patrick Stafford, Khadijah Breathett, Scott Lim, Younghoon Kwon, Nishtha Sodhi, Nishaki Mehta, Sula Mazimba, University of Virginia, Charlottesville, VA, USA
13. **Comparison of Hemodynamically Measured Systemic Arterial Pulsatility Index with Measured Aortic Pulsatility on Gated Computed Tomography in Pre-TAVR Patients**
Jarred Strickling MD, Christian Selinski MD, Kajal Shah MD, Joshua Makepeace MD, Kara Harrison MD, Jay Jalenak MD, Olivia Ondigi MD, Scott Lim MD, Nishtha Sodhi MD, Michael Salerno MD, PHD, Kenneth Bilchick MD, Sula Mazimba MD, MPH, at the University of Virginia

Gastroenterology

14. **Concordance of ICD-10 Codes and the Clinical Diagnosis of Alcoholic Hepatitis**
Geng, C; Gudur, A; Patterson, D; Stotts, M; Division of Gastroenterology and Hepatology, Department of Medicine, University of Virginia Medical Center, Charlottesville, VA.
15. **MELD/MELD-Na score components as a predictor of morbidity and mortality after TIPS**
Eric J Margulies MD, Collin H York MD, Curtis K Argo MD
16. **SARS-COV-2-Associated Cholestatic Liver Injury: A Case Series in Critically Ill Patients**
Anthony Rainho, Edward C. Oldfield, Zachary Dickson, Stephen H. Caldwell, Nicholas M. Intagliata

General Medicine

17. **Student Perspectives on the Etiologies of Burnout During the Clinical Years of Medical School**
Matthew E Allen, Deborah S Barry, Beck A Jacobsen, Tabor E Flickinger, Rachel H Kon

- 18. Advance Directive Counseling in a Residency Continuity Clinic - an Opportunity for Growth and Improvement**
Erin Baldwin, Andrew Wolf, John Voss
- 19. Teaching Residents about Social Determinants of Health, Adaptations to a Continuity Clinic Curriculum with Spaced Learning**
Zachary Boggs
- 20. Enhanced Communication of "Non-Medication" Orders to Skilled Nursing Facilities via Novel SmartPhrase in Discharge Summaries**
Megha Chiruvella, MD, Evie Nicholson, Michael Chilmaid, Jessica J. Dreicer, MD
- 21. Increasing Colorectal Cancer Screening Rates in an Academic Internal Medicine Resident Clinic**
H. Reed Davis, Cindy Yoshida, Ann Rigdon, Erin Kennedy, Shari Stanley, Lindsay Hauser, Ira Helenius, David Callender, Annika Dean, Riguey King, Wendy F. Cohn
- 22. Improving Resident Awareness of Patient Readmissions**
Emily Galdun
- 23. Implementation of an Electronic Medical Record Alert to Increase DEXA Scans for Osteoporosis Screening in an Academic Primary Care Center**
Grace Lau, MD; Amruth Jonnalagadda, MD; Andrew M. Wolf, MD;
- 24. A Scoping Review of Tools to Guide Clinical Remediation**
Carter Head*, Laura M. Martin, MD*, Karen M. Warburton, MD, Andrew S. Parsons MD, MPH
- 25. A Standardized Approach to Identifying and Educating Patients Leads to Improvement in Targeted Patient Education Rates**
Angel L Morvant, MD, George M Hoke, MD, Jillian S McLlarky, PharmD, BCPS, Jennifer H Walters, PharmD, BCPS, Jessica Dreicer, MD
- 26. No way out? How do we help patients trapped in acute care in US academic medical centers?**
Paul Helgersen, MD SFHM, Caleb Shervinskie, MD, George Hoke, MD FHM
- 27. Admission Medication History Triage Consult to Pharmacy.**
Wesley Yang, Amber Inofuentes
- 28. Real World Assessment of Factors Influencing Fecal Calprotectin Test Completion Rates**
Benjamin Yeager, MD, Jay Shah, Edward Oldfield, MD, Esteban Figueroa, MD

Hematology and Oncology

29. **Association of Sarcopenia with Survival in Advanced NSCLC Patients Receiving Concurrent Immunotherapy and Chemotherapy**
Fabian J Bolte, Sloane McTavish, Nathan Wakefield, Lindsey Shantzer, Caroline Hubbard, Arun Krishnaraj, Wendy Novicoff, Richard D Hall
30. **Time to first pain medication administration after Emergency Department presentation in sickle cell acute pain crisis.**
Braulio Cuesta, Amber Inofuentes
31. **Immune-related adverse events correlate with improved outcomes in patients with non-small cell lung cancer treated with combinations of immune-checkpoint inhibitors and chemotherapy**
Sean C. Dougherty, Lindsey B. Shantzer, Wendy Novicoff, John W. Melson, Daniel R. Reed, Alia C. Lynch Pharm, Ryan D. Gentzler, Richard D. Hall
32. **Trends in status of CNS metastasis enrollment in melanoma trials**
Omar Elghawy, Bethany Horton, Varinder Kaur
33. **Comparison of overall survival in patients with HPV+ Oropharyngeal carcinoma with Urban or Rural residence**
Shipra Maheshwari, Anthony W. Rooney, Raj P. Desai, Varinder Kaur
34. **Real-world analysis of the risks of thrombotic and bleeding events in patients receiving pegylated asparaginase for treatment of acute lymphoblastic leukemia**
Mautner, Benjamin, Joseph Mort, Eric Pierce, Farid Ghamsari, Samantha Dibenedetto, Leah Wells, Emily Morse, Amy Morris, Michael Keng, Benjamin Brewer, Bethany Horton, Firas El Chaer
35. **REAL-WORLD COMPARISON OF DIFFERENT TREATMENT MODALITIES FOR FAVORABLE RISK ACUTE MYELOID LEUKEMIA: STANDARD DOSE ANTHRACYCLINE VS HIGH DOSE ANTHRACYCLINE VS ADDITION OF GEMTUZUMAB OZOGAMICIN**
Joseph Mort, Benjamin Brewer, Benjamin Mautner, Samantha Dibenedetto, Eric Pierce, Emily Morse, Leah Wells, Farid Ghamsari, Amy Morris, Stephen Clark, Justin Reid, Imari Patel, Clayton Jackson, Matthew Perciavalle, Bradley Yelvington, Ryan Miller, Karin Abernathy, Heather Wolfe, Susan Locke, Joshua Zeidner, Daniel Reed, Vu Duong, Bhagirathbhai Dholaria, Thomas LeBlanc, Michael Keng, Bethany Horton, Firas El Chaer
36. **Impact of Body Mass Index on Outcomes in Myelodysplastic Syndromes**
John Wang, Omar Elghawy, Jenna M Schlefman, Chelsea Lau, Bethany Horton, Michael Keng

37. **Phase II trial of cardioprotective prophylaxis with combination of beta blocker and angiotensin-converting enzyme inhibitor during intensive chemotherapy for patients with newly diagnosed acute myeloid leukemia**

Joseph Van Galen, Christian Barlow, Amy Morris, Jeremy Sen, Michael Keng

38. **Treatment of metastatic disease with immune checkpoint inhibitors nivolumab and pembrolizumab: Effect of performance status on clinical outcomes**

Wells LE, Cerniglia M, Jost AC, Britt GJ

Infectious Disease and International Health

39. **Performance of a Multi-target PCR Assay for the Detection of *blaZ* Gene in *Staphylococcus aureus* and *Staphylococcus lugdunensis***

Archer A, Forbes R, Barry K, Donohue L, Mathers AJ

40. **Cost Effectiveness Analysis on Expanding Tuberculosis Preventive Therapy to Household Contacts Aged 5-14 Years in the Philippines**

Ilaiwy G, Malpass J, Thomas TA

41. **Detection of Pathogens of Acute Febrile Illness Using Polymerase Chain Reaction from Dried Blood Spots**

Brian Grundy, Ursula Panzner, Jie Liu, Hyon Jin Jeon, Justin Im, Vera von Kalckreuth, Frank Konings, Gi Deok Pak, Ligia Maria Cruz Espinoza, Abdramane Soura Bassiahi, Nagla Gasmelseed, Raphael Rakotozandrindrainy, Suzanne Stroup, Eric Houpt, Florian Marks

42. **Application of implementation science frameworks toward planning of a cluster randomized controlled trial evaluating the PositiveLinks mobile Health intervention among HIV clinics in Washington, DC**

Jacqueline Hodges, Wendy Cohn, Tabor Flickinger, Sylvia Caldwell, Rebecca Dillingham, Amanda Castel, Karen Ingersoll

Nephrology & CIIR

43. ***Cmv5* induces splenic tissue damage and myeloid population changes during acute murine cytomegalovirus infection**

Annis JL, Crittenden RB, Brown MG

44. **Engulfment and Cell Motility Protein 1 (ELMO1) Role in Acute Kidney Injury**

Michal Cholko and Sanja Arandjelovic

45. **Altered-self MHC I sensing via functionally disparate receptors unleashes antiviral NK cells during MCMV infection**

Cronk JM, Dziewulska KH, Crittenden RB, Hammarskjold ML, Brown MG

46. **Mitochondrial Dynamics in Kidney Perivascular Cells**
Eibhlin Goggins, Nabin Poudel, Shuqiu Zheng, Mark D. Okusa
47. **Notch signaling contributes to the renoprotective effects of cholinergic anti-inflammatory pathway**
Shuhei Kuwabara, Shuqiu Zheng, Junlan Yao, Mark D. Okusa
48. **Early Experience With 4-drug Maintenance Immunosuppression In Kidney And Pancreas Transplant Recipients**
S. Mouawad, C. Shoemaker, J. Geyston, A. Nishio Lucar
49. **Thymoglobulin Induction Protocol: Quality Improvement Project Via Clinical Audit**
S. Mouawad, J. Dann, A. Kumar, S. Rao
50. **Anti-inflammatory vagus nerve stimulation induces splenic contraction, altered immune cell distribution, and suppressed interferon- γ production**
Nash WT, Tanaka S, Okusa MD
51. **Pannexin 1 Channel Regulates Cell Death and Inflammation During Acute Kidney Injury**
Nabin Poudel, Marissa Yee, Shuqiu Zheng, Nataliya Skrypnik, Eibhlin Goggins, Christopher B. Medina, Diane L. Rosin, Kodi S. Ravichandran, Mark D. Okusa
52. **IL-33 (Interleukin 33)/ST2 (Interleukin 1 Receptor-Like 1) 'Alarmin' Signaling Axis Regulates Macrophage Response in Kidney Injury**
Vikram Sabapathy, Gabrielle Costlow, Saleh Mohammad, Sanja Arandjelovic, Rahul Sharma
53. **Gaps in Etiologically-Precise Diagnoses in Patients with Incident CKD**
Benjamin Silverberg, MD; Wei Yu, MA, MS; Omar Julian Ahsan, BS; Alfred Cheung, MD; Julia Scialla, MD, MHS; Guofen Yan, PhD

Pharmacy

54. **Standardized antipsychotic administration for control of peri-extubation agitation in adult medical ICU patients**
Hu, B, Asbell, A, Foo, S, Hockman, R, Barros, A
55. **Utilization of UVA Health Pharmacies for Outpatient Prescription Dispensation in the Thoracic & Malignant Hematology Oncology Clinics**
Blewett A, Morris A, Lynch A, Kochicheril S, Phillips K, Mellott H, Cho C
56. **Evaluation of the Operational and Financial Impact of White Bagging at an Academic Medical Center and National Comprehensive Cancer Center; University of Virginia, Charlottesville, VA**
Bluitt G, Cho C, Jenkins M.

57. **Development and Assessment of Clinical Metrics for Expanding Ambulatory Pharmacy Services**
Kevin Fekete, Clarissa Cho, Danielle Griggs

58. **Optimizing Medication Delivery for an Academic Medical Center and Children's Hospital**
Ha M, Bluiitt G, Fekete K, Jenkins M.

59. **Weight Management Prescribing in an Internal Medicine Clinic: What Happens When Financial Barriers are Removed?**
Lockhart M, Wolf A, Scott E, Rodriguez M, White DM

Pulmonary Medicine & Critical Care

60. **Correlation of quantitative blood volume analyses from CT imaging with hemodynamics in patients with pulmonary hypertension**
Carissa Harnish-Cruz, Prerna Sharma, Jhosep Huaromo, Nicholas Tustison, Kun Qing, Jaime H. Mata, Andrew Mihalek, Y. Michael Shim, Sula Mazimba

61. **Pulmonary Sequelae in a Racially Diverse Patient Population Following COVID-19 Six Months After Hospital Discharge**
Sam Konkol, MD, Chintan Ramani, MD. Carissa Harnish-Cruz, MD. David Martin, PhD. Kelsie Meitla, MD. Ryan Sessums, MD. John C. Weider, MD. Alexandra Kadl, MD.

62. **Are undetectable IgE levels associated with more frequent pulmonary exacerbations of cystic fibrosis?**
Ryan F Sessums, Emily A. Noonan, Larry Borish, Dana Albon

63. **Single-cell transcriptomic landscape of Leukotriene A4 Hydrolase modulation in Klebsiella pneumoniae infection**
J. Christian Widere, Marie Burdick, Zhimin Zhang, Schroeder M. Noble, Mikell Paige, Yong Huang, Yun Michael Shim

PUBLICATIONS
UVA DEPARTMENT OF MEDICINE
RESIDENTS, FELLOWS, MEDICAL STUDENTS
2021-2022

RESIDENTS

1. Kenneth B., Patrick S., Olusola L., Comfort E., **Persey B.**, Nora T., Douglas S., Sthuthi D., Nishtha S., Anita B., Younghoon K., Nishaki M., Brandy P., Khadijah B., Sula M. Relationship of Ejection Fraction and Natriuretic Peptide Trajectories in Heart Failure with Baseline Reduced and Mid-Range Ejection Fraction. *American Heart Journal*. 2022 Jan; 243:1-10.
2. Boggs, Zachary H, Heysell, Scott et al. Adenosine deaminase negative pleural tuberculosis: a case report. *BMC Infect Dis* 21, 575 (2021).
<https://doi.org/10.1186/s12879-021-06276-4>
3. **Dougherty, S.**, Desai, N., Cathro, H., Renaghan, A., (2021) IgA Nephropathy secondary to Ipilimumab Use. *Case Reports in Nephrology and Dialysis*.
4. Kunk, P., **Dougherty, S.**, Lynch, K., Whitehair, R., Meneveau, M., Obeid, J., Winters, K., Ju, J., Stelow, E., Bauer, T., Slingluff, C., Rahma, O., (2021) Myeloid Cell Infiltration Correlates with Prognosis in Cholangiocarcinoma and Varies Based on Tumor Location. *Journal of Immunotherapy*.
5. **Dougherty, S.**, Lynch, A., Hall, R., (2021) Drug-Induced Immune-Mediated Thrombocytopenia Secondary to Durvalumab Use. *Clinical Case Reports*.
6. **Shaina Hasan**, Steve Taylor, Shipra Garg, Matthew R Buras, Alfred D Doyle, Cindy S Bauer, Benjamin L Wright, Shauna Schroeder. Diagnosis of Pediatric Non-Esophageal Eosinophilic Gastrointestinal Disorders by Eosinophil Peroxidase Immunohistochemistry. *Pediatric and Developmental Pathology*.
7. Saurabh Mishra, **Shaina Hasan**, Rima Sakhawala, Shereen Chaudhry, Richard J Maraia. Mechanism of RNA polymerase III termination-associated reinitiation-recycling conferred by the essential function of the N terminal-and-linker domain of the C11 subunit. *Nature Communications*.
8. **Mort J**, Maheshwari S, Basu N, Dillon P, Brady K, Bear H, Millard T. A Rare Case of Large-Vessel Vasculitis following Checkpoint Inhibitor Therapy and Pegfilgrastim. *Case Rep Oncol Med*. 2022 Feb 23;2022
9. **Tran DT**, Tu Z, Alawieh A, Mulligan J, Eskilsen S, Quinn K, Sundararaj K, Wallace C, Finnegan R, Allen P, Mehrotra S, Atkinson C, Nadig SN. Modulating donor mitochondrial fusion/fission delivers immunoprotective effects in cardiac transplantation. *Am J Transplant*. 2022 Feb;22(2):386-401

10. Chakraborty P, Parikh RY, Choi S, **Tran DT**, Gooz M, Hedley ZT, Kim DS, Pytel D, Kang I, Nadig SN, Beeson GC, Ball L, Mehrotra M, Wang H, Berto S, Palanisamy V, Li H, Chatterjee S, Rodriguez PC, Maldonado EN, Diehl JA, Gangaraju VK, Mehrotra S. Carbon monoxide activates PERK-regulated autophagy to induce immunometabolic reprogramming and boost anti-tumor T cell function. *Cancer Res.* 2022 Mar; in production

CLINICAL FELLOWS - CARDIOLOGY

11. **Patel TR**, Villines TC, Kramer CM. Debate: CTCA should be the initial diagnostic test in suspected angina. *EHJ* Submitted.
12. Sporkin HL, **Patel TR**, Betz Y, Schumann CL, Matthew R, Meyer CH, Kramer CM. Creatine Chemical Exchange Saturation MRI Identifies Abnormal Calf Muscle-Specific Energetics in Peripheral Artery Disease. *Circulation Imaging.* Submitted.
13. **Patel T**, Salerno M. Assessing Cardiac Remodeling in Aortic Regurgitation Using Indexed Extracellular Volume: More Than Meets the "i"? * *J Am Coll Cardiol Img.* 2021 Nov, 14 (11) 2183–2185.
14. Garg K, **Patel TR**, Kanwal A, Villines TC, Agrawal N, Nasir KM, Blumenthal R, Blaha MJ, Douglas PS, Shaw LJ, Sharma G. Sex Differences in Coronary Anatomy, Risk Factors, Presentation and Outcomes in Coronary Atherosclerosis. *JCCT.* Mar-Apr 2022;16(2):138-149.
15. Hanson C, **Patel TR**, Villines TC. The New Role of Cardiac Imaging Following the ISCHEMIA Trial. *Current Treatment Options in Cardiovascular Medicine* 2021. volume 23, Article number: 36.
16. Park HB, Heo R, Kim SH, **Patel TR**, Jonas R, Villines TC. Relationship of Gender to Atherosclerotic Plaque Characteristics of Coronary Artery Lesions by Differing Angiographic Stenosis Severity: Gender, Atherosclerosis and Stenosis. *International Journal of Cardiology.* Submitted.
17. **Patel, TR**, Betz, Y, Mangrum, M, et al. The Use of Non-Invasive Mapping in Persistent AF to Predict Acute Procedural Outcome. In preparation.
18. Tsushima T, **Patel TR**, Sahadevan J. Unusual Cause of Cardiac Arrest. *JAMA Intern Med.* 2021 Jan 19. doi: 10.1001/jamainternmed.2020.8370. Epub ahead of print. PMID: 33464284.
19. Patel P, Stafford P, Bilchick K, Walker MC, Imbrahim S, Martin D, Betz Y, **Patel T**...Mazimba, S. Right atrial volume index to left atrial volume index ratio is associated with adverse clinical outcomes in cardiogenic shock. *J Echocardiogr.* DOI: 10.1007/s12574-021-00552-7.
20. **Patricia Rodriguez-Lozano**, Bao X Nguyen, Mohamed Morsy, James Mckeith, Masood Ahmad (2022) Enhanced Cardiovascular Risk Assessment in United States Subjects for Deployment to Antarctica. *Journal of Cardiology Research Reviews & Reports.* SRC/JCRRR-164. DOI: doi.org/10.47363/JCRRR/2022(3)158.
21. Thakker RA, **Rodriguez Lozano P**, Motiwala A, Rangasetty U, Khalife W, Chatila K. Coronary Microvascular Disease. *Cardiol Ther.* 2022 Jan 7. doi: 10.1007/s40119-021-00250-6. Epub ahead of print. PMID: 34993903.

22. **Rodriguez Lozano P**, Krapo E, Bourque J, Morsy M, Taylor A, Villines T, Kramer CM, Salerno M. State-of-the-Art: Cardiovascular Imaging for Ischemic Heart Disease in Women: Time for a Paradigm shift. Manuscript Accepted. JACC imaging.
23. Mawardi G, **Rodriguez Lozano P**, Mazimba S, Mehta N. TTE guided synchronization to optimize AV synchronous leadless pacemaker programming. J Clin Images Med Case Rep. 2021; 2(3): 1120.
24. Pan JA, Robinson AA, Yang Y, **Rodriguez Lozano P**, McHugh S, Holland EM, Meyer CH, Taylor AM, Kramer CM, Salerno M. "Diagnostic Accuracy of Spiral Whole-Heart Quantitative Adenosine Stress Cardiovascular Magnetic Resonance with Motion Compensated L1-SPIRIT." Accepted to Journal of Magnetic Resonance Imaging on March 18, 2021. DOI: 10.1002/jmri.27620.
25. Villines TC, **Rodriguez Lozano P**. Transitioning from Stenosis to Plaque Burden in the Cardiac CT Era: The Changing Risk Paradigm. J Am Coll Cardiol. 2020 Dec 15;76(24):2814-2816. doi: 10.1016/j.jacc.2020.10.030. PMID: 33303069.
26. **Rodriguez Lozano P**, Bourque JM. Beyond traditional cardiovascular risk factors: Could frailty and other morbidities explain the worse prognosis in patients undergoing pharmacologic stress? J Nucl Cardiol. 2020 Nov 25. doi: 10.1007/s12350-020-02441-5. Epub ahead of print. PMID: 33241477.

CLINICAL FELLOWS – INFECTIOUS DISEASE

27. **Grundy, B.**, Panzner, U., Liu, J., Jeon, H. J., Im, J., von Kalckreuth, V., Konings, F., Pak, G. D., Cruz Espinoza, L. M., Bassiahi, A. S., Gasmelseed, N., Rakotozandrindrainy, R., Stroup, S., Houpt, E. R., & Marks, F. (2021). Detection of Pathogens of Acute Febrile Illness Using Polymerase Chain Reaction from Dried Blood Spots. *The American journal of tropical medicine and hygiene*, 106(2), 454–456.
27. **Grundy, B. S.**, & Houpt, E. R. (2022). Opportunities and challenges to accurate diagnosis and management of acute febrile illness in adults and adolescents: A review. *Acta tropica*, 227, 106286.
28. Marks, F., Liu, J., Soura, A. B., Gasmelseed, N., Operario, D. J., **Grundy, B.**, Wieser, J., Gratz, J., Meyer, C. G., Im, J., Lim, J. K., von Kalckreuth, V., Cruz Espinoza, L. M., Konings, F., Jeon, H. J., Rakotozandrindrainy, R., Zhang, J., Panzner, U., & Houpt, E. (2021). Pathogens That Cause Acute Febrile Illness among Children and Adolescents in Burkina Faso, Madagascar, and Sudan. *Clinical Infectious Diseases*, 73(8), 1338–1345.
29. **Hodges J**, Waselewski M, Harrington W, Franklin T, Schorling K, Huynh J, Tabackman A, Otero K, Ingersoll K, Tiouririne NA, Flickinger T, Dillingham R. Six-month outcomes of the HOPE smartphone application designed to support treatment with medications for opioid use disorder and piloted during an early statewide COVID-19 lockdown. *Addict Sci Clin Pract*. 2022 Mar 7; 17(1):16. Doi: 10.1186/s13722-022-00296-4. PMID: 35255965; PMCID: PMC8899792.

30. **Hodges J**, Waldman AL, Koshkina O, Suzdalnitsky A, Schwendinger J, Vitko S, Plenskey A, Plotnikova Y, Moiseeva E, Koshcheyev M, Sebekin S, Zhdanova S, Ogarkov O, Heysell S, Dillingham R. Process evaluation for the adaptation, testing and dissemination of a mobile health platform to support people with HIV and tuberculosis in Irkutsk, Siberia. *BMJ Open*. 2022 Mar 29; 12(3):e054867. Doi: 10.1136/bmjopen-2021-054867. PMID: 35351714.
31. **Hodges J**, Caldwell S, Cohn W, Flickinger T, Waldman AL, Dillingham R, Castel A, Ingersoll K. Evaluation of the implementation and effectiveness of a mobile health intervention to improve outcomes for people with HIV in the DC Cohort: a study protocol for a cluster randomized controlled trial. *JMIR Res Protoc*. 2022 Mar 29. Doi: 10.2196/37748. Epub ahead of print. PMID: 35349466.
32. Flickinger TE, Waselewski M, Tabackman A, Huynh J, **Hodges J**, Otero K, Schorling K, Ingersoll K, Tiouririne NA, Dillingham R. Communication between patients, peers, and care providers through a mobile health intervention supporting medication-assisted treatment for opioid use disorder. *Patient Educ Couns*. 2022 Feb 24:S0738-3991(22)00087-8. Doi: 10.1016/j.pec.2022.02.014. Epub ahead of print. PMID: 35260260.
33. **Ilaiwy G**, Heysell SK, Thomas TA. National approaches to TB care in adolescents. *Int J Tuberc Lung Dis*. 2022 Feb 1; 26(2):96-102.
34. DeBoer MD, Platts-Mills JA, Elwood SE, Scharf RJ, McDermid JM, Wanjuhi AW, Jatosh S, Katengu S, **Parpia TC**, Rogawski McQuade ET, Gratz J, Swenson E, Swann JR, Donowitz JR, Mdoe P, Kivuyo S, Houpt ER, Mduma E. Effect of scheduled antimicrobial and nicotinamide treatment on linear growth in children in rural Tanzania: A factorial randomized, double-blind, placebo-controlled trial. *PLoS Med*. 2021 Sep 28; 18(9):e1003617.
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