UNIVERSITY OF VIRGINIA
Department of Medicine

CAREY ♦ MARSHALL ♦ THORNER
(Virtual)
Research & Scholars’ Day
2021

Thursday & Friday,
May 6th & 7th 2021
PROGRAM

May 5th – 7th   Poster Presentations are Being Judged
(There will be no in person poster presentation due to the ongoing COVID pandemic.

May 6th   Oral Presentations
12 – 1:15pm   Quayle Learning Center, Battle Building
              Presenters and judges will be in person. All others can view via Zoom.

May 7th   Medicine Grand Rounds featuring Dr. Len Schleifer
12 – 1:15pm   delivering the Keynote address.
              Education Resource Center Auditorium,
              Awards will be given out directly afterwards.
Oral Presentations:

**ZOOM LINK FOR ORALS:**
**PASSWORD: UVADOM**

https://virginia.zoom.us/j/93448659576?pwd=WGRaRjVTS09pQ1pJZ1k2UUtHM2Njdz09

Christopher Hanson:

- Long-Term Outcomes in Patients with Normal Coronary Arteries, Non-obstructive, or Obstructive Coronary Artery Disease on Invasive Coronary Angiography

Lyndsey Muehling:

- Failure of adaptive immunity to the common cold to protect from re-infection with the either same or a different viral strain in a human sequential infection model

James Alsobrooks:

- Delay in Biopsy for Diagnosis of Symptomatic Sarcoidosis Associates with Multisystem Disease

Rebecca Corey:

- Optimization of Vascular Access to Reduce Catheter-Associated Deep Vein Thrombosis

Marten Hawkins:

- Clinical Risk Factors for Ceftriaxone Non-Susceptible *Escherichia coli* and *Klebsiella pneumoniae* (CNSEcKp) Bloodstream Infections (BSI)
Poster Presentations
(The name of the primary author is underlined)

Virtual
Poster Presentations
Allergy, Asthma & Immunology

1. The α-Gal syndrome presenting with isolated gastrointestinal symptoms
   Thomas Makin, Anna Smith, Thomas A. E. Platts-Mills, Jeffrey M. Wilson; University of Virginia, Charlottesville, VA

Cardiovascular Medicine

2. Diagnostic Accuracy of Spiral Whole-Heart Quantitative Adenosine Stress Cardiovascular Magnetic Resonance with Motion Compensated L1-SPIRIT
   Jonathan A. Pan MD, Austin A. Robinson MD, Yang Yang PhD, Patricia Rodriguez Lozano MD, Stephen McHugh MD, Eric M. Holland MD, Craig H. Meyer PhD, Angela M. Taylor MD, Christopher M. Kramer MD, Michael Salerno MD, PhD; University of Virginia, Charlottesville, VA

3. 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 Patel1, MD; MD; Helen L Sporkin2, BS; Yaqub Betz, MD1; Craig H Meyer2,3, PhD; Christopher M Kramer1,3, MD Departments of Medicine (Cardiology)1, Biomedical Engineering2, and Radiology and Medical Imaging3 University of Virginia, Charlottesville, VA, USA

4. Single cell profiling identifies atheroprotective IgMMDA-LDL-producing human B cells and a novel role for CD24
   Tanyaporn Pattarabanjirda,b,c, Anh Tram Nguyenb, Chantel McSkimminga, Huy Dinhe, Melissa A. Marshalla, Yanal Ghoshehe, Rishab Gulatie, Christopher Durante, Jenifer Vallejoe, Ryosuke Saigusae, Fabrizio Dragoa, Angela M. Taylorb,d, Sotirios Tsimikase, Yury Millere, Klaus Leyf, Catherine Hedrickf, Coleen A. McNamaraa,b,d,*

5. Comparison of metabolic determinants of coronary microvascular disease in a cardiac PET cohort.
   Joseph Van Galen, Sarah Ratcliffe, Jamieson Bourque

6. Routine Carotid Ultrasound Prior to Trans catheter Aortic Valve Replacement Does Not Predict Peri-Procedural Stroke
   Anna van Venrooy, Michael Ragosta, D Scott Lim, Kenan Yount, Angela M Taylor
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<tr>
<td>7</td>
<td>Positive attitudes towards telehealth during the Covid19 pandemic: a strong sign for continued use in the IBD population</td>
<td>Brunette C, Figueroa E; University of Virginia, Charlottesville, VA</td>
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<td>Clostridioides difficile Infection Trends in a Health System during COVID-19 Pandemic</td>
<td>Nisa Desai</td>
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<td>9</td>
<td>EARLY RECURRENCE OF COLONIC POLYPS REDUCED WITH THERMAL ABLATION OF ENDOSCOPIC MUCOSAL RESECTION MARGINS: A NON-RANDOMIZED RETROSPECTIVE STUDY</td>
<td>Irene C Perez, Daniel Strand, Andrew Copland</td>
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<td>10</td>
<td>A Simple Quality Initiative Significantly Improves Post-Procedural Documentation of an Anticoagulation Plan After Elective Endoscopy</td>
<td>Benjamin S. Robey, Katya Swarts, Rohan M. Modi, Mark J. Radlinski, Javelle A. Wynter, James M. Scheiman, Andrew P. Copland</td>
<td>University of Virginia, Charlottesville, VA</td>
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<td>11</td>
<td>TIMING AND ROLE OF PARACENTESIS IN THE MANAGEMENT OF SPONTANEOUS BACTERIAL PERITONITIS</td>
<td>Mohammed Shwetar, Brian Wentworth, Neeral Shah; University of Virginia, Charlottesville, VA</td>
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**General Medicine**

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<tr>
<td>12</td>
<td>Timing of PERT Activation and Outcomes in Acute Pulmonary Embolism</td>
<td>Barnett ME, Sharma A; University of Virginia, Charlottesville VA</td>
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<td>13</td>
<td>Creatine Chemical Exchange Transfer MRI to Evaluate Calf Muscle Energetics in Peripheral Arterial Disease</td>
<td>Yaqub M Betz, MD; Toral Patel, MD; MS; Helen L Sporkin, BS; Craig Meyer PhD, Christopher M Kramer, MD</td>
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<td>14</td>
<td>Increased Left and Right Atrial Volume Indices are Associated with Decreased Survival Times post-Cardiac Arrest</td>
<td>Olivia Blazek</td>
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<td>15</td>
<td>Transfusion with Cryoprecipitate for Very Low Fibrinogen Levels Does Not Affect Bleeding or Survival in Critically Ill Cirrhosis Patients</td>
<td>Isadore M. Budnick, Jessica P.E. Davis, Anirudh Sundararaghavan, Samuel B. Konkol, Chelsea E. Lau, James P. Alsobrooks, Matthew J. Stotts, Nicolas M. Intagliata, Ton Lisman, Patrick G. Northup</td>
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16. Facilitating the Flow: Improving overnight RN to daytime MD communication
   Clemo R, Miller B, Braun E, Freemire K, Greene K.

17. Systemic Pulsatility Indexed to Central venous Pressure is associated with Adverse Clinical Outcomes in Advanced Heart Failure

18. Impact of Physician Identification Cards on Patient Enrollment in Discharge Programs: Improving Trust through Simple Interventions
   Dooley MM, Chisholm J, Henderson A, Hall J.

19. Using Continuous Glucose Monitoring to Improve Hemoglobin A1c in Type 2 Diabetes: A Retrospective Study
   Taylor A Fie, Mary Voelmle; University of Virginia, Charlottesville, VA

20. Three Site Testing of Sexually Transmitted Infections in People Living with HIV in One Southeastern Ryan White HIV/AIDS Program Clinic: First Year of Experience
   Maria Geba, MD, Samuel Powers, BA, Brooke Williams, BS, Kathryn R Dort, FNP, Elizabeth T. Rogawski McQuade, PhD, Kathleen A. McManus, MD

21. Reduced Adiponectin Levels in Patients with COVID-19 Acute Respiratory Failure: A Case-Control Study
   Sean M. Kearns, MD; Katelyn W. Ahern, PhD; James T. Patrie, MSc; William B. Horton, MD, FACP; Thurl E. Harris, PhD; Alexandra Kadl, MD, MSc

22. HCV eConsult Pilot Survey
   Harriet King

23. Impact of pharmacist-assisted medication review on the rate of medication errors in discharges to skilled nursing facilities
   Levit A, Inofuentes A, McIlraky J, Chilmaid M, Dreicer J, Delk B, Lau G

24. Right ventricular to left ventricular internal diameter in diastole predicts right ventricular failure after left ventricular assist device implantation in patients with advanced heart failure.
   Sawch DM, Bilchick KC, Ababio P, Mazimba S; University of Virginia, Charlottesville, VA
25. Bronchoscopy with Bronchoalveolar Lavage in Immune Checkpoint Inhibitor Induced Pneumonitis: Does it Change Management?
   Anirudh Sundararaghavan, Robert C Wharton, Andrew J Barros, Elizabeth C Gaughan, Richard D Hall, Ryan D Gentzler, Jeffrey M Sturek; University of Virginia, Charlottesville, VA

26. Arthrocentesis procedure kit availability and impact on inpatient joint taps
   Topilow, JS, Meindertsma, J; University of Virginia, Charlottesville, VA

27. Impact of Palliative Care Consultation on Readmission Rates for Patients with Metastatic Lung or Colon Cancer at the University of Virginia
   Wood, S, Pierce, E, Melson, J, Abraham, R, Hanson, L.

28. Implementation of a Mentorship Program to Serve Person’s Underrepresented in Medicine at the University of Virginia
   E. Wynter, MD

Hematology and Oncology

29. Myeloid Cell Infiltration Correlates with Prognosis and Varies Based on Tumor Location in Cholangiocarcinoma
   Sean C. Dougherty, Kevin Lynch, Rachel Whitehair, Max Meneveau, Joseph M. Obeid, Kevin Winters, Jennifer Ju, Edward B. Stelow, Todd W. Bauer, Paul R. Kunk, Craig L. Slingluff Jr and Osama E. Rahma

Infectious Disease and International Health

30. Adenosine Deaminase Negative Pleural Tuberculosis: A Case Report and Review
    Zachary H. Boggs MD, Scott Heysell MD, MPH, Joshua Eby MD, Christopher Arnold MD

31. Usage of the mHealth Application PositiveLinks among Older People Living with HIV
    Campbell BR, Shenoi S, Rosanova J, Dillingham R

32. IL-13 is a driver of COVID-19 severity
33. The MOCT II study: Implementation of a multi-organization mobile health technology-based program to expand access to patient-centered care and antiretroviral therapy for people living with HIV with or without tuberculosis in Irkutsk, Siberia
   Hodges, Jacqueline, Koshkina, Olga, Plenskey, Alexey, Suzdalnitsky, Alexey, Waldman, Ava Lena, Zhdanova, Svetlana, Schwendinger, Jason, Vitko, Serhiy, Plotnikova, Yulia, Moiseeva, Elena; Koshcheyev, Mikhail, Sebekin, Sergey, Ogarkov, Oleg, Heysell, Scott, Dillingham, Rebecca

34. Assessing Environmental Surfaces for Contamination with P. aeruginosa in an Intensive Care Unit: A Pilot Study
   Park S, Barry K, Parikh H, Carroll J, Attai A, Mathers A.

35. Characterizing Use of Follow-Up Blood Cultures (FUBC) in the Management of Gram- Negative Bacilli (GNB) Bloodstream Infections (BSIs)
   Evan Robinson, Heather Cox, Amy Mathers; University of Virginia, Charlottesville, VA
   Nephrology & CIIR

36. MHC-linked Cmv5s is Associated with Severe Inflammation, Tissue Necrosis, and Acute Viral Susceptibility Independent of MHC-I Molecule H-2D
   Annis JL, Crittenden RB, Cronk JM, Billcheck HO, Brown MG; University of Virginia, Charlottesville

37. Localization of Spinster Homolog 2 (Spns2) in Mouse Kidneys and Significance in Kidney Injury
   Sylvia Cechova, Nabin Poudel, Nataliya Skrypnyk and Mark D. Okusa

38. CRISPR Ablation of Activation Receptors in Primary NK Cells to Delineate Necessity during Acute Viral Infection
   Cronk JM, Crittenden RB, Brown MG; University of Virginia

39. Programmed Cell Death Protein 1 (PD-1) Controls Metabolic Activity of Regulatory T Cells in Ischemia-Induced Acute Kidney Injury

40. Evaluation of the impact of Delayed Graft Function (DGF) on Kidney Allograft Outcomes

41. Vagus Nerve Stimulation Reshapes the Immune System
   Nash WT, Tanaka S, Okusa MD
42. Pannexin 1 Channel Regulates Mitochondrial Function and Ferroptosis During Acute Kidney Injury
Nabin Poudel, Eibhleen Goggins, Nataliya Skrypnyk, Christopher B. Medina, Diane L. Rosin, Kodi S. Ravichandran, Mark D. Okusa

43. IL-33/ST2 Alarmin Axis Regulates the Diematrical Effect of Myeloid Cells in Acute and Chronic Kidney Injury
Vikram Sabapathy, Gabrielle Costlow, Rajkumar Venkatadri, Nardos Cheru, Airi Price, Murat Dorgan, Saleh Mohammad, Rahul Sharma

44. Optogenetic stimulation of the Vagus Nerve Identifies Distinct Pathways that Mediate Kidney Protection from Ischemia-Reperfusion Injury

45. Targeting Interferon Stimulatory DNA (ISD) Pathways and Bcl6 Transcription Factor Rescues TREX1 D18N Animals from Autoimmunity
Rajkumar Venkatadri, Vikram Sabapathy, Murat Dogan, Saleh Mohammad, Scott Harvey, Fred W. Perrino and Rahul Sharma

Pulmonary Medicine & Critical Care

46. Patients with Sarcoidosis Associated Pulmonary Fibrosis Do Not Receive Early Immune Suppression In Comparison to Peers without Fibrosis

47. Phenobarbital vs. Benzodiazepines in ICU Patients with Severe Alcohol Withdrawal Syndrome.
Burke, A, Hedrick, A, Hockman, B.

48. Effect of Gender on the Treatment Responses to Rapamycin on the Progression of Emphysema in Cigarette Smoke Exposed Mice
Earasi, K., Myc, LA., Obaida, Z., Zhang, Z., Song, C., Macleod, J., He, M., Burdick, MD., Shim, YM.

49. Probing Early-Stage Pulmonary Pathophysiology in Young Healthy E-Cigarette Users Using Hyperpolarized Xenon-129 MRI
50. Impact of Streamlined ED Rabies Protocol on Departmental Workflow and Vaccine Schedule Adherence  
Jessie L Lipstreuer, Derek Burden, J Nate Hedrick

51. Evaluating In Vivo Biomolecular Outcomes of Tacrolimus Immunosuppression in Lung Transplantation  

52. Differential Gene Expression and Pathway Enrichment May Explain Female Resistance to Emphysema in Murine Models of COPD.  
Chunzi Song, Zaid Obaida, Kranthikiran Earasi, Zhimin Zhang, Jamie MacLeod, Mu He, Schroeder Noble, Mikell Paige, Marie Burdick, Yun Shim
PUBLICATIONS
UVA DEPARTMENT OF MEDICINE
RESIDENTS, FELLOWS, STUDENTS
2019-2020

RESIDENTS


CLINICAL FELLOWS - CARDIOLOGY


CLINICAL FELLOWS – INFECTIOUS DISEASE


CLINICAL FELLOWS – NEPHROLOGY


28. Hanson CA, Patel TR, Villines TC. The Role of Cardiac Imaging Following the Ischemia Trial. Current Treatment Options in Cardiovascular Medicine. 2021
29. Aparna B, **Hanson CA**, McArdle M, Lall SK, Beller GA, Bourque JM: Lead aVR Predicts Early Revascularization but not Long-Term Events in Patients Referred for Stress Electrocardiography. PLOS ONE accepted in press 2021

**POSTDOCTORAL FELLOWS – NEPHROLOGY**


