UNIVERSITY OF VIRGINIA
Department of Medicine

CAREY◆MARSHALL◆THORNER
Research & Scholars’ Day
2019

Friday, May 17, 2019
Education Resource Center
&
Pinn Hall Auditorium
12:00 – 5:30 p.m.
12:00 p.m.  Medicine Grand Rounds
          Pinn Hall Auditorium
          “Some Thoughts on Innovation”
          Steven J. Sasson
          Steven J. Sasson Consulting LLC (Digital Imaging Consulting)

1:00 p.m.  Break

1:15 p.m.  Oral presentations
          ➢ Pinn Hall Auditorium

2:30 p.m.  Break

2:45 p.m.  Oral presentations
          ➢ Pinn Hall Auditorium

4:00 p.m.  Poster Presentation Session (Judging to occur)
          ➢ Education Research Center Auditorium

4:15 p.m.  A Reception will be held outside of the Education Resource Center concurrent with poster session.

5:30 p.m.  Awards will be held inside of the ERC Auditorium.
Oral Presentations
Pinn Hall Auditorium
(The name of the presenter is underlined)

1:15 p.m. Access to Allogeneic Hematopoietic Cell Transplantation (HCT) for Patients with Acute Myeloid Leukemia (AML) in the State of Virginia
Puja C Arora, Lih-Wen Mau, Christa Meyer, Luis Duarte, Mary Senneka, Elizabeth A Murphy, Raj P Desai, Rajesh Balkrishnan, Linda J Burns, Karen Ballen

1:30 p.m. HIV and Aging: Multimorbidity in Older People Living with HIV in One Southeastern HIV Clinic
Elizabeth Arant, Ceshae Harding, Kathleen A. McManus

1:45 p.m. Patient Outcomes Associated with Prevented versus Negative Clostridium difficile Tests Using Computerized Clinical Decision Support (CCDS)
Gregory Madden, Kyle Enfield, Costi Sifri

2:00 p.m. Venous Thromboembolism Events and Prophylaxis in Patients with Acute Myeloid Leukemia
Maria Nicolais, Daniel Reed, Victor Orellana-Noia, Samantha Minkin, Amy Morris, Hillary Maitland, Michael Kent

2:15 p.m. A Rapid Diagnostic Paired with Antimicrobial Stewardship Program (ASP) Intervention Helps Narrow Early But Not Completely in Patients with Gram-negative Bacilli (GNB) Bloodstream Infections (BSIs)
Allison Stilwell, Heather Cox, Kasi Vegesana, Zachary Elliott, Amy Mathers

2:30 p.m.  

BREAK

2:45 p.m. Systemic Arterial Pulsatility Index (SAPI) Predicts Adverse Outcomes in Cardiogenic Shock
Patrick Stafford, Paras Patel, Kenneth Bilchick, Sula Mazimba

3:00 p.m. Lack of DJ-1 amplifies sepsis-associated acute kidney injury and increases Daxx-mediated parenchymal apoptosis
Joseph Leeds, Yogesh Scindia, Valentina Loi, Jonathan Ledesma, Saleh Mohammad, Ewa Mandziak, Sundararaman Swaminathan

3:15 p.m. Evaluating Quality of Post-Transplant Metabolic Syndrome Management in Liver Transplant Patients
Sa Ra Park, William Tung, Michael Salerno, Jessica Davis, Ross Buerlein, Neeral Shah

3:30 p.m. Predictors of Myocardial Perfusion Reserve and Coronary Microvascular Dysfunction by CMR in Patients with Symptoms of Ischemia and No Obstructive Coronary Artery Disease
Christopher L Schumann, Roshin C Mathew, Yang Yang, John-Henry L Dean, Michael Salerno, Christopher M Kramer, Jamieson M Bourque

3:45 p.m. Natural course of α-Gal syndrome: IgE to α-Gal decreases with avoidance of tick bites
Margaret Kim, Matthew Straesser, Jeffrey Wilson, Thomas Platts-Mills
Poster Presentations
(The name of the primary author is underlined)

Education Resource Center
Auditorium
Poster Presentations
Cardiovascular Medicine
1-19

1. **Impact of Dialysis Access on Right Heart Function**
   Jamie L. W. Kennedy, Laura Holsten, Idil Aktan, Andrew D. Mihalek, Sula Mazimba, Brendan T. Bowman, Alden M. Doyle, Thu H. Le.

2. **High Prevalence of Significant Structural Heart Disease by Echocardiography in Patients Undergoing Evaluation for Kidney Transplantation**
   Idil Aktan, Laura Holsten, Sula Mazimba, Andrew D. Mihalek, Thu H. Le, Brendan T. Bowman, Alden M. Doyle, Jamie L. W. Kennedy

3. **Benign Left Bundle Branch Block: Explaining the Linking Phenomenon**
   Saad Ghumman, J. Michael Mangrum

4. **Atrial Fibrillation and Sleep Apnea: A Central Problem**
   Evan Harmon, Patrick Stafford, McCall Walker, Paras Patel, Jacob Blackwell, Sula Mazimba, Nishaki Mehta, Kenneth Bilchick, Younghoon Kwon

5. **Catheter Ablation of Ventricular Arrhythmias Without Fluoroscopy Using Intracardiac Echocardiography and Electroanatomic Mapping**
   Alan Johnson, Eliany Mejia-Lopez, Abdullah Omar, Nishaki Mehta, Rohit Malhotra, Pamela K. Mason, Kenneth C. Bilchick, J. Michael Mangrum, John D. Ferguson, Andrew Darby

6. **Coronary Microvascular Dysfunction and Diffuse Myocardial Fibrosis Measured by Cardiovascular Magnetic Resonance are Characteristic of HFpEF**
   Adrián I Löffler, Jonathan A. Pan, Pelbreton C. Balfour, Peter W. Shaw, Yang Yang, Moiz Nasir, Daniel A. Auger, Frederick H. Epstein, Christopher M. Kramer, Michael Salerno

7. **CrCest Evaluation of Calf Muscle Energetics in the Setting of Peripheral Artery Disease**
   Roshin Mathew, Helen L Sporkin, Craig H Meyer, Christopher M Kramer

8. **Invasive Approach to Ventricular Tachycardia in Patients with a Left Ventricular Assist Device**
   Alex M Parker, Leora Yarboro, James Bergin
9. Embolic Risk of Left Ventricular Thrombi Predicted by E-Wave Propagation Index
   Austin A. Robinson, Paul Thompson, Christopher Schumann, Benjamin Ruth, John Dent

10. High Resolution Stress Myocardial Perfusion Imaging with Whole Heart Coverage
    Austin A. Robinson, Yang Yang, Christopher M. Kramer, Michael Salerno

11. Coated Aorta and Severe Mitral Regurgitation in a Young Patient: A Rare and Unusual Disorder
    Elona Rrapo Kaso, Kelly Davidson, Aditya M. Sharma

12. An Unusual Cause of Multiple Vascular Thrombosis and STEMI
    Elona Rrapo Kaso, Aditya M. Sharma

13. Utility of Ischemic Testing Prior to Ablation for Sustained Monomorphic VT
    Christopher Schumann, Giovanni Davogusto, Andrew Cluckey, Aneesh Bapat, Evan Harmon,
    Patrycja Galazka, James Mangrum, Pamela Mason, Rohit Malhotra, Kenneth Bilchick, Usha Tedrow,
    Andrew Darby, William Stevenson, Nishaki Mehta

14. Risk Stratification and Patient Outcomes with High Risk Coronary Artery Disease
    Shields, Ouellette, Keifer, Taylor, Ragosta

15. Obstructive Sleep Apnea and Daytime QT Interval
    Mccall Walker, Jacob N. Blackwell, Patrick Stafford, Paras Patel, Sula Mazimba, Nishaki Mehta,
    Michael Mangrum, Saman Nazarian, Kenneth Bilchick, Younghoon Kwon

16. Intraprocedural Changes in Cardio Insight-Derived Electrical Activation with Cardiac
    Resynchronization Therapy and Association with 6-Month CMR Changes in Right and Left
    Ventricular Function
    Gao, Phung, George (MDT), Abdishekti, Fischer (MDT), Malhotra, Mason, Darby, Mangrum, Mehta,
    Ferguson, Kramer, Epstein, Holmes, Gillberg (MDT), Bilchick

17. Cardiac Magnetic Resonance After CRT Demonstrates Discordant Effects on Right and Left
    Ventricular Function
    Gao, Narayan, Fuller, Salerno, Kramer, Epstein, Bilchick

18. The Use of Non-Invasive Mapping in Persistent AF to Predict Acute Procedural Outcome
    Xu Gao, Anna G. Lam, Kenneth Bilchick, Andy Darby, Nishaki Mehta, Pam Mason, Rohit Malhotra,
    John D. Ferguson, J Michael Mangrum

19. Trans Catheter Aortic Valve Replacement-Induced Ventricular Tachycardia: A Case Report and
    Literature Review
    David X. Zhuo, Milan G. Kahanda, J. Michael Mangrum
Endocrinology & Metabolism
Posters 20 – 23

20. Ablation of Astrocyte Cholesterol Synthesis Disrupts Myelination of Neurons by Oligodendrocytes
   Joshua Kulas, Heather Ferris

   Charity Kwamanakweenda, Heather A. Ferris

22. Metformin Prevents Microvascular Insulin Resistance and Preserves Endothelial Function in High-fat Diet-fed Rats
   Jia Liu, Weidong Chai, Liying Gong, Aylor Kevin, Zhenqi Liu

23. Improved Access to Endocrinologists through Electronic Consultation
   Kendall Stone, Kimberly Dowdell

Gastroenterology
Posters 24 – 27

24. Transjugular VS. EUS-GUIDED Liver Biopsy: Which Modality is Better?

25. Comparing Efficacy and Quality of eConsults Between Luminal Gastroenterology and Hepatology
   Sa Ra Park, Indira Bhavsar, Jennifer Wang, Anne G. Tuskey, Kimberly Dowdell, Nicolas M. Intagliata, and R. Ann Hays

26. Does EUS Add Information to FDG-PET/CT and EGD in the Initial Management of Esophageal Cancer?
   Mark Radlinski, Linda W. Martin, Dustin M. Walters, Patrick Northup, Andy Wang Terri Rodee, Bryan Sauer, Vanessa M Shami

27. Factors Associated with Major Bleeding Related to Procedures in Hospitalized Patients with Cirrhosis
   Abhishek Shenoy, Wesley Yang, Nicolas Intagliata
General Medicine
Posters 28 – 32

28. I Can’t Get Note Satisfaction: An Examination of Resident Physicians’ Documentation Habits and Billing Knowledge
   Indira Bhavsar, Amy Ogurick, E. Allison Lyons, George Hoke

29. Diagnostic Dilemmas: A Case Series on Kikuchi-Fujimoto Disease
   William M. Gilbert

30. Cost Conscious Care Education for Resident Physicians
    Little K, Parsons A

31. A Comparison of SIRS and SOFA in Prediction of In-Hospital Mortality or ICU Transfer in a Hospitalized General Medicine Cohort.
    Oliver S, Forrester VJ, Lawson A, Richardson E, Zimmet A, Gadrey S

32. Clinical Outcomes Associated with Inter-Hospital Transfer Patients to UVA Medical Center
    Megan Pierce, S; Russ Clay, John Ainsworth, Valentina, Baljak, Andrew Barros, Joel Schectman, John Voss

Hematology & Oncology
Posters 33 – 41

33. Risk of CNS Adverse Events (CNS-AEs) for Patients with Non-Small Cell Lung Cancer (NSCLC) and Melanoma Brain Metastases (BM) Treated with CNS Radiation (CNS-RT) and Immune Checkpoint Inhibitors (CPIs)

34. Single Institution Experience of Gastrointestinal Involvement of Diffuse Large B-Cell Lymphoma: Presentation, Outcomes and Patterns of Treatment Failure
    Puja C. Arora, Victor Orellana-Noia, Abeer Alfaraj, Christopher Wenzinger, Sandra Monson, Craig A Portell, Michael E Williams

35. Medical Management of Retained Inferior Vena Cava Filters
    John W. Melson, Ian M. Crane, Leslie P. Ward, Surabhi Palkimas, Louise M. Man

36. Access to Allogeneic Stem Cell Transplant for Patients with Acute Myelogenous Leukemia in the State of Virginia
    Luis Duarte
37. Development of a Standard Protocol to Address the High Incidence of Clinical Heart Failure in an Adult Acute Myeloid Leukemia Population at UVA
McLoughlin E, Mort M, Marino A, Ruefer K, Aktan I, Chadwell K, Abuannadi M, Keng M

38. Immune-Related Adverse Events in Advanced NSCLC Treated with Immunotherapy Alone or Concurrent Chemotherapy and Immunotherapy
John Melson, Daniel Reed, Bethany Horton, Margaret Moore, Jacqueline Brown, Ryan Gentzler, Richard Hall

39. Oral Regimen for Urine Alkalization in Patients Receiving High Dose Methotrexate During a National Shortage of Intravenous Sodium Bicarbonate
Daniel R Reed, Jeremy M Sen, Eric J Pierce, Maria C Nicolais, Micheal K Keng

40. Prophylactic Pretransplant Ganciclovir to Reduce Cytomegalovirus Infection after Hematopoietic Stem Cell Transplantation
Daniel R. Reed, Abeer Alfaraj, Gina R. Petroni, Sandra Monson, Paige G. Williams, Kathlene DeGregory, Leonid Volodin, Tamilia L. Kindwall-Keller, Karen K. Ballen

41. Assessing Response Rates of Advanced Melanoma to Chemotherapy Following Administration of Immunotherapy
Elizabeth Gaughan, Nicholas Schmidt

Infectious Disease & International Health
Posters 42 – 52

42. Notes from the Field: A Survey of Mobile Phone Usage among Individuals in KwaZulu-Natal, South Africa

43. Evaluation of Fecal Microbiota Transplantation Versus Vancomycin Taper with Kefir Supplementation as Treatment of Multiply Recurrent Clostridium Difficile Infection
Thomas D Dieringer, Abhishek Shenoy, Thomas Hunold, Cirle Warren, R. Ann Hays

44. Longitudinal Assessment of Antibiotic Resistance in Fecal Escherichia Coli in Tanzanian Children
Molly E. Fleece, Rosemary Nshama, Thomas Walongo, Caroline Kimathi, Jean Gratz, Elizabeth T. Rogawski McQuade, Jie Liu, Suporn Pholwat, Esto Mduma, Eric R. Houpt, James A. Platts-Mills

45. Rising Rates of Injection Drug Use Associated Infective Endocarditis in Virginia with Missed Opportunities for Addiction Treatment Referral: A Retrospective Cohort Study
Megan Gray
46. Prediction of Adverse Events in Hospitalized Patients with Neutropenia  
   Elizabeth A Gulleen, Mawulolo Ameko, John E Ainsworth, Laura E Barnes, Christopher C. Moore

47. Establishing Epidemiological Cutoff Values (ECOFF) for Mycobacterium Tuberculosis on the Sensititre™ MYCOTB Plate  
   Sagal Mohamed, Suporn Pholwat, Eric Houpt, Scott Heysell

48. Risk Factors Associated with Carbapenemase-Producing Enterobacteriales (CPE) Positivity in the Hospital Wastewater Environment  
   Park S, Vegesana K, Barry K, Kotay S, Dudley S, Mathers A

49. Cell Mediated Response to Cryptosporidium Antigen in a Cohort of Bangladesh Children  

50. Evaluating the Use of the Gastrointestinal Polymerase Chain Reaction Panel for Inpatient Adults at the University of Virginia Hospital: Adherence to Guidelines and Management Implications  
   Amanda Schnee, James Platts-Mills

51. Disparities in Hepatitis C Linkage to Care in the DAA Era: Findings from a Referral Clinic with a Nurse Navigator Model of Care.  
   Jacqueline E. Sherbuk, Kathleen McManus, Terry Knick, Rebecca Dillingham

52. Fecal IgA Against a Sporozoite Antigen at 12 Months is Associated with Delayed Time to Subsequent Cryptosporidiosis in Urban Bangladesh  

   Nephrology & CIIR  
   Posters 53 – 60

53. Treg-Manipulation Reveal Unique Resistance of Female Mice to Aristolochic Acid Induced Nephropathy  

54. Physiological and Immunological Determinants of Severe Illness Following a Septic Insult  
   William T. Nash, Michael G. Brown, Sundararaman Swaminathan, Mark D. Okusa
55. Pannexin 1 Deficiency Mediated Intracellular ATP Accumulation Maintains Mitochondrial Function during Kidney Ischemia-Reperfusion Injury in Mice
   Nabin Poudel, Jakub Jankowski, Sho Morioka, Colleen Schinderlee, Shuqiu Zheng, Diane L. Rosin, Mark D. Okusa

56. Effect of Parenchymal Versus Hematopoietic GSTM1 Deficiency on Renal Inflammation and Injury in Ang II-HTN
   Shirin Pourafshar, Sylvia Cechova, Sun-Sang J Sung, Thu H. Le

57. Cell Type Specific ST2/IL-33 Expression Regulates Contrasting Aspects of Kidney Injury
   Vikram Sabapathy, Rajkumar Venkatadri1, Saleh Mohammad, Nardos Cheru, Airi Price, Brian Stevens, Rahul Sharma

58. Anti-inflammatory Effect of Vagus Nerve Stimulation (VNS) is in Part Mediated Through B1 Lymphocytes
   Nataliya I. Skrypnyk, Kailo H. Schlegel, Peter I. Lobo, Mark D. Okusa

59. Optogenetic Stimulation of the Vagus Nerve Identified Distinct Pathways that Mediate Tissue Protection from Kidney Ischemia-Reperfusion Injury
   Shinji Tanaka, Shuqiu Zheng, Daniel Stornetta, Stephen Abbott, Diane Rosin, Ruth Stornetta, Patrice Guyenet, Mark Okusa

60. The Hybrid Cytokine IL233 Alleviates Lupus Glomerulonephritis by Targeting TH1 Cytokines, Mitochondrial Biogenesis and Canonical WNT Signaling
   Venkatadri R, Sabapathy V, Dogan M, Mohammad S, Fu SM, Sharma R

   Pharmacy
   Posters 61 – 65

61. Impact of Pharmacist Telephone Medication Reconciliation on Patient Readmissions in a Hospital Discharge Home Monitoring Program
   Mary A Cordon, Donna M White, Bethany S Delk, Frances M Perucci-Bailey, Michael Palkimas

62. Evaluation of Alirocumab and Evolocumab Prescribing Patterns and Dispensing Outcomes in Hospital-Affiliated Outpatient Clinics and Pharmacies
   Mary A Cordon, Svetlana Goldman, Donna M White

63. Comparison of Tolerability and Efficacy of Perioperative and Postoperative Amiodarone Regimens for the Prevention of Post-operative Atrial Fibrillation
   Julianne M. Fallon, Mary Roth, Judy Smith, Steven P. Dunn
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<td>Evaluation of a Pharmacist-led Deprescribing Intervention in Stem Cell Transplant Patients</td>
<td>Mort M, DeGregory K, Ruefer K, Volodin L, Whitman A</td>
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<td>65</td>
<td>Rates of Bleeding with Enoxaparin for Treatment of Intermediate to High-Risk Pulmonary Embolism Before and After Implementation of a Pulmonary Embolism Response Team</td>
<td>Plum M, Palkimas S, Man L, Sharma A, Holian A</td>
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<td>Pulmonary &amp; Critical Care</td>
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<td>The change in pulmonary embolism management at University of Virginia since the implementation of Pulmonary Embolism Response Team (PERT)</td>
<td>Nebil Nuradin, Jigna Solanki, Lukasz Myc, Aditya Sharma, Alex Kadl</td>
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<td>Depressive symptoms are associated with self-reported physical limitations that are activity dependent in a cross-sectional analysis of subjects with chronic obstructive pulmonary disease</td>
<td>Odackal J, Lyons G, Harris D</td>
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<td>Adverse Events due to Immune Checkpoint Inhibitors Observed in the UVA Rheumatology Clinic</td>
<td>Kimpel D, Lewis J, Abdelnabi M, Srstka J, Gaughan E, Grosh W, Brennan C</td>
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<td>70</td>
<td>Inflammatory Arthritis in a Cohort of Patients with Common Variable Immunodeficiency (CVID)</td>
<td>Fatima K. Alduraibi, Monica G. Lawrence, Larry Borish, Adam Carlson</td>
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<td>Identification of STAT 3 Somatic Mutations Typical of Large Granular Lymphocytes in Patients with Rheumatoid Arthritis</td>
<td>Kimpel DL, Khalique S, Boodoo J, Baker W, Alfreijat M, Olson T, Loughran T</td>
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<td>72</td>
<td>Clinically Amyopathic Dermatomyositis: Prevalence of Malignancy, Dysphagia, and Interstitial Lung Disease Compared to Classic Dermatomyositis</td>
<td>Kirsten L. Koons</td>
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73. Synovial Fluid Profile in Neutropenic Patients with Septic Arthritis

Samantha Minkin
PUBLICATIONS
UVA DEPARTMENT OF MEDICINE
RESIDENTS, FELLOWS, STUDENTS
2018-2019

RESIDENTS


CLINICAL FELLOWS – ALLERGY & IMMUNOLOGY


CLINICAL FELLOWS - CARDIOLOGY


31. Madden GR, Poulter M, Sifri C. PCR cycle threshold to assess a diagnostic stewardship intervention for C. difficile testing. Journal of Infection (Letter to the Editor) Accepted for publication September 2018.

33. **Madden GR**, Heon BE, Sifri CD. Effect of copper-impregnated linens on multidrug-resistant organism acquisition and *Clostridium difficile* infection at a long-term acute-care hospital. *Infect Control Hosp Epidemiol.* 2018;1-3.


**CLINICAL FELLOWS – PULMONARY/CRITICAL CARE**


POSTDOCTORAL FELLOWS – INFECTIOUS DISEASES


56. Steiner KL, Kabir M, Priest JW, Hossain B, Gilchrist CA, Cook H, Ma JZ, Korpe PS, Ahmed T, Faruque ASG, Haque R, Petri WA. "Fecal IgA against a sporozoite antigen at 12 months is associated with delayed time to subsequent cryptosporidiosis in urban Bangladesh: a prospective cohort study." Accepted. Clinical Infectious Diseases

POSTDOCTORAL FELLOWS – NEPHROLOGY


Students (Medical and Graduate)


