CAREY ♦ MARSHALL ♦ THORNER
Research & Scholars’ Day
2015

Wednesday, May 6, 2015
Jordan Hall Conference Center
12:00 – 5:30 p.m.
12:00 p.m.  Medical Grand Rounds

“The Changing Face of Insulin”

Eugene J. Barrett M.D., Ph.D.
Professor, Department of Medicine
Division of Endocrinology and Metabolism
University of Virginia, School of Medicine

1:00 p.m.  Break

1:15 p.m.  Oral presentations

2:30 p.m.  Break

2:45 p.m.  Oral presentations

4:00 p.m.  Poster Presentation Session (Judging to occur)

- Posters 0-30  Jordan 2ABC
- Posters 31-57  Jordan Meeting Room 1
- Posters 58-82  Jordan G 1 & 2

4:15 p.m.  A Reception will be held outside of Jordan Hall Auditorium (1st floor), during the Poster Session

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

1:15  The effect of apoptotic cells on alveolar macrophage phenotype
      Sturek J, Kadl A

1:30  High fat diet impairs receptor-mediated insulin uptake by the brain
      Gray S, Meijer R, Barrett E

1:45  Under recognition of hypertension in the outpatient setting
      Bevins L, Voss J, Voss E, O'Donnell R

2:00  Role of collectrin, an X chromosome gene, on blood pressure regulation
      Chu P, Franceschini N, Le,T

2:15  Tolerability of accelerated infliximab infusions for inflammatory bowel disease

2:30  Break

2:45  Palliative care reduces end-of-life ICU utilization in patients with advanced cancer

3:00  Improved control of diabetes following left ventricular assist device placement
      Lundgren J, Targonski, P, Brooks C, Kennedy J, Kirby J

3:15  Laminin as part of the inflammatory response in the skin

3:30  Prevalence of non-plasmodium falciparum malaria in Southwestern Uganda determined by real-time PCR analysis of patient blood slides and paired whole blood pellets
      Coffey K, Kassaza K, Byarugaba F, Boum II Y, Moore C

3:45  The limits of serial surveillance cultures in predicting clearance of colonization with carbapenemase-producing enterobacteriaceae
      Lewis J, Enfield K, Mathers A, Giannetta E, Sifri C
Highly specific NK cell resistance to MCMV regulates priming and differentiation of antiviral CD8+ T cells
Jeffrey J, Stadnisky M, Yagita H, Bullock T, Brown M

1. Preliminary imaging experiments indicate that human mast cells produce streamers upon calcium flux
Hoyt A, Cook E, Lindorfer M, Steinke J, Taylor R, Borish L

2. Improving rates of Pneumococcal and Influenza vaccinations and their documentation in patients attending UVA Rheumatology clinics.
Lokare S, Kimpel D, Lewis J

3. An Entamoeba encoded cytokine immunomodulates host macrophages
Moonah S, Abhyankar M, Haque R, Petri Jr., W

4. Circulating Rhinovirus-specific CD4+ T Cells in Uninfected Subjects Recognize Conserved Epitopes
Muehling L, Mai D, Kwok W, Agrawal R, Wright P, Woodfolk J

5. Delayed urticarial and anaphylactic reactions to red meat: predictors of immunological severity among 353 cases

6. Basophil CD203c expression as an immunological marker to predict response to treatment with omalizumab in patients with symptomatic chronic idiopathic urticaria
Palacios T, Stillman L, Borish L, Lawrence M

7. T cell epitope mapping of lupus auto-antigen revealed HLA-DR3 restricted recognition of multiple epitopes
Zhao Z, Dai C, Ren J, Fu S

The Bleeding Risk of Patients with Melanoma with Brain Metastases Requiring Anticoagulation
Barros D, O’Brien L, Grosh, W
9. Absolute Lymphocyte Count (ALC) Recovery in Multiple Myeloma (MM) Patients After Autologous Stem Cell Transplant (ASCT) is related to CD34+ Dose-Infused
   Foster L, Williams P, Horton B, Petroni G, Kindwall-Keller, T

10. Post-operative radiation therapy in adenoid cystic carcinoma: A SEER analysis
    Joshi P, Smolkin M, Dillon P

11. Is malignant melanoma metastatic to the heart associated with increased cardiovascular complications?
    Talamo L, Myint Z, Grosh W

12. Regression of hepatocellular carcinoma after treatment of hepatitis C- a case report
    Tebit E, Rahma O

13. Selective Screening for Lynch Syndrome for Patients with Colorectal Cancer at University of Virginia
    Yaqing W, Orton C, Powell S

**Hormones & Metabolism**

14. Insulin Increases Microvascular Perfusion in Hippocampus in Both Young and Aging Rats But Not in Insulin Resistant Aging Rats

15. miRNA Let-7i down-regulates endothelial IRS2 expression and thus contributes to vascular insulin resistance
    Huang W, Xie C, Aylor K, Zhao L, Liu Z

16. LH and insulin independently predict androstenedione responses to exogenous hCG, but not ACTH, in obese adolescent girls

17. LH Secretion during Late Follicular Phase in Normals is Inhibited by Brief Arousals Whereas in PCOS LH Pulses are Associated with Stage 3 Sleep and Not Arousals
    Hutchens E, Lu C, Bonner H, Suratt P, McCartney C

18. Assessing and addressing bone health in patients attending UVA Rheumatology clinics
    Lokare S, Singh S, Bolad W, Kimpel, D

**Medical Education**

19. Discharge Summary: the Portal from Inpatient to Outpatient Care
    Baker H, Lyons A
20. Retrospective Analysis of the Effectiveness of Covered Esophageal Stents for the Management of Benign Upper Gastrointestinal Disorders
   Cline I, Ahuja N, Wang A, Shami V, Sauer B

21. Olmesartan-Associated Spruelike Enteropathy
   Hartke J, Defonseka A, Tuskey A, Behm B

22. Diabetes Educators As Part of Resident Continuity Clinics: A Quality Improvement Opportunity To Increase Glucose Control in Type II Diabetes
   Jackson H

23. Clinical Presentation and Diagnostic Assessment in Aortitis: Case Series and Review of Literature
   Khurana G, Kimpel D

24. Integrated GME Education in Cardiovascular Medicine
   Love S, Dent J

25. Indications for Renal Biopsy Among Patients Attending the University of Virginia Nephrology Clinic.
   Muoneke M, Kalantari K

 Pharmacy Residents

26. Implementation and evaluation of a novel service to deliver discharge prescriptions to patients’ bedsides
   DiPiro T, Miller S, Palkimas M, Ferdinand A, Saenz R.

27. Impact of utilizing and optimizing clinical decision support on admission medication reconciliation process
   Lee S, Chabot M, Mallow-Corbett S, Otten R, Rice T

28. Evaluation of levetiracetam as first-line urgent therapy in the management of status epilepticus
   Liszewski A, Bledsoe K

29. Development and Implementation of an Outpatient Formulary for the UVaHS Indigent Care Program
   Parsons K, McCarthy M, and Miller S

30. Impact of continuous infusion ketamine on pain management in the adult inpatient
   Partlow K, Hockman R, Ray J
31. Structural identification and elucidation of metabolite highly correlative to emphysematous COPD phenotype  
   Cha J, Paige M, Brudick M, Shim YM

32. Outcomes of patients evaluated in the complicated Clostridium difficile clinic  

33. Accuracy and Clinical Implications of Cefepime Susceptibility in Drug Resistant Enterobacteriaceae  
   Cheruvanky A, Carroll J, Hoffman P, Mathers A

34. Persistence of Mixed Cryoglobulinemia Despite Cure of Chronic Hepatitis C with Oral Direct Acting Antiviral Therapy: a Case Series  
   Cornella S, Stine J, Kelly V, Caldwell S, Shah N

35. Clostridium difficile Infection in Patients with Cirrhosis: A New Look at Defining Severity and Predicting Mortality.  
   Corning B, McCabe M, McNichols B, Henry Z, Shah N

   Covelli V, Cooper J, Guler J

37. Small Intestine Bacterial Overgrowth in Bangladeshi Two Year Olds  

38. Preserving integrase inhibitors: efficacy of raltegravir, etravirine and darunavir/ritonavir for treatment-experienced HIV patients from a non-urban based catchment area in the United States  
   Ebers A, Alkabab Y, Schexnayder J, Heysell S

39. Heart rate variability as a predictor of developing sepsis in the medical intensive care unit  
   Ivanick N, Moss T, Moorman R, Lake D, Enfield K  (WITHDRAWN POSTER)

40. The Activity of HIV-1 Rev/RRE Varies Greatly Between Isolates  
   Jackson P, Tebit D, Rekosh D, Hammarskjold M

41. Affordable Care Act Enrollment of People Living with HIV in Virginia  
   McManus K, Dillingham R
42. **Modeling Treatment of Initial and Recurrent *Clostridium difficile* Infection in a Murine Model**

43. **Impact of volume resuscitation for severe sepsis and septic shock on development of ARDS and hospital mortality**
   Parsons A, Gomez-Manjarres D, Dean A, Kadl A

44. **Molecular re-analysis of pathogen-specific burdens of community diarrhea in children in developing countries in the multisite MAL-ED cohort study**

45. **A clinical prediction model of in-hospital mortality derived from patients admitted with acute infection to a regional referral hospital in Mbarara, Uganda**

46. **Risk factors for and excess cost associated with infections caused by carbapenem resistant *enterobacteriaceae*: a research proposal**
   Schutte K, Sifri C

47. **Adherence to age specific hepatitis c screening guidelines in a university based Resident clinic**
   Sharma B, Schectman J

48. **Poor disease outcome from *C. Difficile* infection in the aged host: potential role of impaired innate immunity and altered intestinal microbiota in a mouse model**
   Shin J, Moore J, Bolick D, Kolling G, Warren C

49. **Disseminated nocardia veterana**
   Somerville L

50. **Bronchial anthracofibrosis**
    Somerville L, Cooper M

51. **Lipolysis as a mechanism of hyperglycemia in a mouse model of *Pseudomonas aeruginosa* infection**
    Somerville L, Koryakina Y, Desmett A, Raje V, Harris T, Kadl A

**Patient Safety & Access**

52. **Internal medicine resident perceived usefulness of a standardized patient handout at UMA**
    Alexander J, Schectman J, Helenius I

53. **Identifying risk factors for the development of ventilator associated events (VAE)**
    Iqbal A, Enfield K, Hoke T
54. The impact of an institutional change in prothrombin time methodology on INR and MELD scores in liver transplant evaluations
   Kumral D, Intagliata N, Shah N, Northup P, Caldwell S, Argo C

55. Effects of changes in anemia management protocols in end stage renal disease on patient survival
   Kyaw T, Ma J, Kalantari K

56. Frailty and outcomes in older adults undergoing pancreaticoduodenectomy
   Le T, Nielsen G, Smolkin M, Dale W, Ramsdale E

57. Laboratory values as proposed predictors of patient decompensation
   Lehtinen S, Voss J, Schectman J

58. Prevalence and Predictors of the Absence of Obstructive Epicardial Coronary Artery Disease in Patients Referred for Index Coronary Angiography
   Loffler A, Ouellette M, Workman V, Beller G, Bourque J

59. Left atrial delayed computed tomography angiography protocol markedly reduces need for TEEs prior to atrial fibrillation ablation

60. Impact of change: a quality improvement project
   Pannu A

61. Improving colorectal cancer screening in a primary care practice - identifying Barriers and opportunities
   Rybicki S, Wolf A

62. Likelihood of undergoing liver transplantation in the MELD era is highly variable by region of listing
   Stine J, Intagliata N, Shah N, Kane B, Maluf D, Pelletier S, Northup P, Argo C

63. Analysis and intervention to decrease rates of VTE in postoperative patients at University of Virginia
   Waheed A, Turrentine B, Maitland H

64. Risk factors for hypoglycemia after insulin-based acute hyperkalemia treatment
   Wu S, Dunn S, Zorn K, Anthony S, Novicoff W, Kirby J

65. Polypharmacy in Crohn’s Disease
   Yu H, Crocker J, Foley S, Tuskey A, Behm B
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<td>Biventricular pacing as “rescue” therapy in patients with advanced heart failure</td>
<td>DeMaria D, Mason P</td>
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<td>69.</td>
<td>ShMOLLI and 5(4R) 3 MOLLI T1 mapping in HCM detect similar ECV despite a difference in absolute T1 measurements</td>
<td>Gonzalez J, Shaw P, Yang Y, Kramer C, Salerno M</td>
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<td>71.</td>
<td>Vagas nerve stimulation protects kidneys from ischemia-reperfusion injury through splenic cholinergic anti-inflammatory pathway</td>
<td>Inoue T, Abe C, Moscalu S, Huang L, Ye H, Rosin D, Guyenet P, Okusa M</td>
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<td>72.</td>
<td>Diffuse alveolar hemorrhage due to severe mitral valve regurgitation</td>
<td>Izarnoteugui V, Luna M</td>
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<td>73.</td>
<td>Characterization and prediction of emergent intubations in the medical intensive Care unit</td>
<td>Kronfol R, Moss T, Pham L, Calland J, Lake D, Enfield K, Moorman J</td>
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<td>74.</td>
<td>Role of therapeutic plasma exchange in the management of Antisynthetase Syndrome</td>
<td>Omotoso B, Ogden M, Balogun R</td>
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<td>75.</td>
<td>Dialysis requirement and long-term major adverse cardiovascular events (MACE) in hospital acquired acute kidney injury (AKI) – a propensity-matched cohort study</td>
<td>Omotoso B, Abdel-Rahman E, Xin W, Ma J, Scully K, Arogundade F, Balogun R</td>
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77. Prevalence of fibromuscular dysplasia in survivors of spontaneous coronary artery dissection

78. High resolution CMR perfusion imaging demonstrates reduced flow reserve and endo/epi ratio in microvascular coronary disease

79. Patients with GAVE are at a higher risk of gastrointestinal bleeding in the absence of cirrhosis

80. A novel IL233 cytokine therapy in preventing AKI

81. A novel hybrid cytokine bearing interleukin (IL)-2 and IL-33 activities for therapy of Lupus Glomerulonephritis

82. Natural killer cells regulate renal fibrosis after Acute Kidney Injury
   Vincent I, Sung S, Huang L, Rosin D, Okusa M
RESIDENTS


CLINICAL FELLOWS – CARDIOLOGY


CLINICAL FELLOWS – GASTROENTEROLOGY


CLINICAL FELLOWS-INFECTION DISEASES


CLINICAL FELLOWS – HEMATOLOGY/ONCOLOGY


CLINICAL FELLOWS - NEPHROLOGY


POSTDOCTORAL FELLOWS - ENDOCRINOLOGY


POSTDOCTORAL FELLOWS - NEPHROLOGY


POSTDOCTORAL FELLOWS - HEMATOLOGY ONCOLOGY


POSTDOCTORAL FELLOWS - INFECTIOUS DISEASES


69. Linford AS, Jiang NM, Edwards TE, Sherman NE, Van Voorhis WC, Stewart LJ, Myler PJ, Staker BL,


