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
### Poster Presentations
(The name of the primary author is underlined)

**Jordan 2ABC**  
Posters 0-30

| 0.  |
|---|---|
| **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 |

### Cancer Mechanisms

| 8.  |
|---|---|
| **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

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**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

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**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

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
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<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>31.</td>
<td>Structural identification and elucidation of metabolite highly correlative to emphysematous COPD phenotype</td>
<td>Cha J, Paige M, Brudick M, Shim YM</td>
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<td>33.</td>
<td>Accuracy and Clinical Implications of Cefepime Susceptibility in Drug Resistant Enterobacteriaceae</td>
<td>Cheruvanky A, Carroll J, Hoffman P, Mathers A</td>
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<td>34.</td>
<td>Persistence of Mixed Cryoglobulinemia Despite Cure of Chronic Hepatitis C with Oral Direct Acting Antiviral Therapy: a Case Series</td>
<td>Cornella S, Stine J, Kelly V, Caldwell S, Shah N</td>
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<td>39.</td>
<td>Heart rate variability as a predictor of developing sepsis in the medical intensive care unit</td>
<td>Ivanick N, Moss T, Moorman R, Lake D, Enfield K (WITHDRAWN POSTER)</td>
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<tr>
<td>40.</td>
<td>The Activity of HIV-1 Rev/RRE Varies Greatly Between Isolates</td>
<td>Jackson P, Tebit D, Rekosh D, Hammarskjold M</td>
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<td>41.</td>
<td>Affordable Care Act Enrollment of People Living with HIV in Virginia</td>
<td>McManus K, Dillingham R</td>
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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

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

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
66. *Cgnz1* Allele protects kidneys from ischemia/reperfusion injury

67. Biventricular pacing as “rescue” therapy in patients with advanced heart failure
*DeMaria D*, Mason P

68. Groove Pancreatitis: Analysis of an eight patient cohort

69. ShMOLLI and 5(4R) 3 MOLLI T1 mapping in HCM detect similar ECV despite a difference in absolute T1 measurements
*Gonzalez J*, Shaw P, Yang Y, Kramer C, Salerno M

70. Characterization of the left atrial appendage ridge using cardiac CT and intracardiac echocardiography in patients undergoing bilateral ablation of the left atrial appendage ridge for pulmonary vein isolation

71. Vagas nerve stimulation protects kidneys from ischemia-reperfusion injury through splenic cholinergic anti-inflammatory pathway

72. Diffuse alveolar hemorrhage due to severe mitral valve regurgitation
*Izarnotegui V*, Luna M

73. Characterization and prediction of emergent intubations in the medical intensive Care unit
*Kronfol R*, Moss T, Pham L, Calland J, Lake D, Enfield K, Moorman J

74. Role of therapeutic plasma exchange in the management of Antisynthetase Syndrome
*Omotoso B*, Ogden M, Balogun R

75. Dialysis requirement and long-term major adverse cardiovascular events (mace) in hospital acquired acute kidney injury (AKI) – a propensity-matched cohort study
*Omotoso B*, Abdel-Rahman E, Xin W, Ma J, Scully K, Arogundade F, Balogun R

76. Acute Kidney Injury (AKI) outcome, a predictor of long-term major adverse cardiovascular events (MACE)
*Omotoso B*, Abdel-Rahman E, Xin W, Ma J, Scully K, Arogundade F, Balogun R
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


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CLINICAL FELLOWS – CARDIOLOGY


CLINICAL FELLOWS – GASTROENTEROLOGY


CLINICAL FELLOWS-INFECTIOUS 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,


