Department of Internal Medicine
31st Annual Yash P. Kataria Internal Medicine Research Day
Thursday, March 30th, 2017

9:00am
Refreshments - ECHI Atrium & Conference Room
Poster Presentations available for viewing

9:30am
Welcome - ECHI Auditorium
Paul Bolin, Jr., MD
Department of Internal Medicine

9:35am
Administrative Comments - ECHI Auditorium
Arjun Mohan, MD & Badih Kabchi,
MD Co-Chairs, Research Committee

First Oral Session, ECHI Auditorium
Moderator:

9:45am OP1
AN INTERVENTION STUDY TO REDUCE BLACK-WHITE TREATMENT DISPARITIES IN EARLY STAGE NON-SMALL CELL LUNG CANCER
P Walker, S Cykert, L Edwards, R Arya, P Dilworth-Anderson

10:00am OP2
Efficacy of Anti-PD-1 Inhibitors in NSCLC Patients with KRAS and T790M Mutations
N Sharma, PR Walker, G Stroud, C Cherry, S Cherukuri, T Parent, J Hardin

10:15am OP3
Efficacy and Safety of Insulin Aspart 30 and Insulin Degludec/Aspart Versus Basal Insulin in Patients with Type 2 Diabetes: A Meta-Analysis
BM Mishriky, RJ Tanenberg, DM Cummings

10:30am OP4
Sequence of Stereotactic Ablative Radiotherapy and Immune Checkpoint Blockade in the Treatment of Metastatic Lung Cancer
R Pinnamaneni, A Hegde, S Cherukuri, C Cherry, G Stroud, M Bowling, H Arastu, C Leinweber, PR Walker

10:45am OP5
Rosiglitazone Represses Pulmonary Granuloma Formation and Alveolar Macrophage Inflammatory Activation
M McPeek, A Malur, BP Barna, L Dobbs, MJ Thomassen

11:00am
Keynote Address: ECHI Auditorium
“The Clinical Mycology Laboratory: Guiding Therapeutic Choices”
Barbara Dudley Alexander, MD
Director, Transplant Infectious Diseases Service
Head, Clinical Mycology Laboratory
Director, Medical Microbiology & Transplant ID Fellowship Programs
Professor of Medicine and Pathology
Duke University
ECHI Conference Room
Lunch followed by
Poster Session (12:00 – 1:45pm)

Second Oral Session, ECHI Auditorium
Moderator:

1:45pm OP6  TRENDS IN AGGRESSIVENESS OF CANCER CARE AT THE END OF LIFE WITH IN RURAL POPULATION IN EASTERN NORTH CAROLINA
P Namireddy, S Macherla, JT Mcclain, M Muzaffar

2:00pm OP7  THE LIPID RAFT PROTEIN PROHIBITIN DISPLAYS SYSTEMIC ANTI-INFLAMMATORY AND CARDIO-PROTECTIVE EFFECTS DURING SEPSIS
CE Psaltis, BJ Kilburg-Basnyat, KA Thayne, EJ Anderson, KM Gowdy

2:15pm OP8  THE ROLE OF HIGH-DENSITY LIPOPROTEINS IN PULMONARY IMMUNITY
MJ Yaeger, S Reece, B Kilburg-Basnyat, B Luo, M Fessler, MJ Thomassen, KM Gowdy

2:30pm OP9  MANDATORY DOCUMENTATION OF TIDAL VOLUME ADJUSTED FOR PREDICTED BODY WEIGHT ON THE RESPIRATORY FLOW SHEET IMPROVES COMPLIANCE WITH LOW TIDAL VOLUME VENTILATION STRATEGY: A 5-YEAR TERTIARY CARE CENTER EXPERIENCE
M Dauterive, F Houshmand, M Mazer, A Mohan

2:45pm OP10  OUTCOMES OF ERCC1 HIGH LOCALLY ADVANCED ESOPHAGEAL CANCER PATIENTS TREATED WITH NON-PLATINUM VS PLATINUM BASED CHEMORADIATION.
M Yogarajah, CRG Stroud, AM Hegde, P Walker;

3:00pm OP11  INAPPROPRIATE PROTON PUMP INHIBITOR USE IN MEDICAL INPATIENTS: A COMPARISON BETWEEN ACADEMIC AND HOSPITALIST SERVICE AT VIDANT MEDICAL CENTER
N Gollol-Raju, S Jayananda, G Harvin, W Leland, L Matarese

3:15pm OP12  MODIFIED GLASGOW PROGNOSTIC SCORE IN A NORTH AMERICAN POPULATION OF METASTATIC LUNG CANCER PATIENTS: BASELINE CHARACTERISTICS FROM THE SNAP TRIAL
Stroud CRG, Walker P

3:30 pm OP13  ANALYSIS OF SELECT ANTINUCLEAR ANTIBODIES IN SYSTEMIC LUPUS ERYTHEMATOSUS BY ENZYME IMMUNOASSAY: GENDER AND ETHNIC COMPARISON
EL Treadwell, P Garrett, R Ethridge, JV Cresenzo, J Christie

3:45pm

Closing Remarks and Award Presentations
Paul Bolin, Jr., MD, Chair Department of Internal Medicine
Yash P. Kataria, MD, Pulmonary and Critical Care, Professor Emeritus
IDENTIFICATION OF BIOMARKERS IN LUNG CANCER PATIENTS TREATED WITH IMMUNOTHERAPY Targeting IMMUNE CHECKPOINT REGULATORS.

D Atwell, M Yogarajah, EJ Sanderlin, G Stroud, PR Walker, LV Yang

COLONIC ENDOTHELIAL CELLS CONTRIBUTE TO INTESTINAL INFLAMMATION THROUGH THE PROTON- SENSOR GPR4 IN THE DSS- INDUCED COLITIS MOUSE MODEL.

E Sanderlin, K Lertpiriyapong, Q Cai, H Hong, V Bakhavatchalu, J Fox, JZ Oswald, C Justus, E Krewson, D O’Rourke, N Leffler, L Yang

PROTON-SENSOR GPR4 ALTERS CYTOSKELETAL DYNAMICS AND PERMEABILITY OF VASCULAR ENDOTHELIAL CELLS

EA Krewson, LV Yang

SMAD3 MEDIATES NOTCH INDUCED STEMNESS AND EPITHELIAL TO MESENCHYMAL TRANSITION IN COLORECTAL CANCER CELLS

A Clark, A Khan, G Sigounas

NOTCH SIGNALLING MODULATES CHEMORESISTANCE IN COLORECTAL CANCER VIA EFFECTS ON DNA BASE EXCISION REPAIR PROTEINS

AH Khan, A Clark, G Sigounas

RESVERATROL EXTENDS LIFESPAN AND DELAYS GERMLINE AGING THROUGH THE ACTIVATION OF BOTH SIR-2.1/ SIRTUIN AND MPK-1/ ERK

DS Yoon, Myon-Hee Lee

DEVELOPMENT OF PERSONALIZED CANCER THERAPEUTIC VACCINE

D Wang, K Posekany, SE Eubanks, DA Weidner, DK. Liles, JE Wiley

ACUTE MYELOID LEUKEMIA WITH T (2;6) (Q21; P25) AND HIGH LEVELS OF CD41 AND CD71 IN THE MYELOID BLASTS

D Wang, SE Eubanks, DA Weidner, DK Liles, JE Wiley

COMPARISON OF A COMPUTER-BASED INTRAVENOUS INSULIN PROTOCOL WITH STANDARD PAPER PROTOCOL IN TERMS OF SAFETY AND EFFICACY IN MANAGEMENT OF DKA PATIENTS IN COMMUNITY HOSPITALS: A PILOT STUDY

M Azad, S Hardee, V Lin, R Tanenberg

CEREBRAL AIR EMBOLISM AFTER CENTRAL VENOUS CATHETER REMOVAL – A CASE SERIES REVIEW

M Hafiz, T Neal, AR Naqash

ARTERIAL CONTINUOUS RENAL REPLACEMENT THERAPY: A COMPLICATION OF THE PAST?

S Awadallah, R Sarsour, M Mazer, M Barchman

EVALUATION OF TIMELY ANTIBIOTIC ADMINISTRATION IN ADULT PATIENTS WITH FEBRILE NEUTROPENIA AT VIDANT MEDICAL CENTER

J Baskett, E Kolychev, C Alligood

TOCILIZUMAB FOR THE MANGEMENT OF IMMUNE MEDIATED ADVERSE EVENTS SECONDARY TO PD-1 BLOCKADE

Stroud CRG, Cherry CR, Naqash AR, Sharma N, Walker PW

INCIDENCE AND IMPACT OF THROMBOEMBOLIC EVENTS IN LUNG CANCER PATIENTS TREATED WITH NIVOLUMAB.

AM Hegde, G Stroud, C Cherry, M Yogarajah, S Cherukuri, P Walker
PR15 IMMUNE RELATED ADVERSE EVENTS (IRAЕ): A UNIQUE PROFILE DEPENDENT ON TUMOR TYPE. N Sharma, P Atluri, PR Walker, G Stroud, P Gibbs

PR16 NONCONVENTIONAL RESPONSES AND SURVIVAL BENEFIT OF IMMUNOTHERAPY IN ADVANCED LUNG CANCER M Yogarajah, BS Kuszyk, CRG Stroud, CR Cherry, PR Walker

PR17 POPULATION-BASED STUDY OF RACIAL DIFFERENCES IN OUTCOMES OF YOUNG BREAST CANCER PATIENTS J McClain, M Muzaffar, C Mosquera, P Namireddy

PR18 CLINICAL OUTCOMES AND CHALLENGES IN THE MANAGEMENT OF MULTIPLE MYELOMA IN EASTERN NORTH CAROLINA S Addepalli, D Brigham, D Liles

PR19 SUSTAINED VIROLOGIC RESPONSE WITH DIRECTLY ACTING ANTIVIRALS IN HIV COINFECTED HEPATITIS C PATIENTS AND ITS EFFECT ON LIVER FIBROSIS D Lebron, A Stang, D Siraj, A Lagasca

PR20 A RETROSPECTIVE STUDY TO LOOK AT HIV PATIENTS WITH PNEUMOCYSTISJIROVECI PNEUMONIA AND THE EFFECTS OF HAART THERAPY P Shah, J Polak, N Fadul

PR21 IMPROVING THE PERCENTAGE OF HEMODIALYSIS PATIENTS CONSENTING TO HEPATITIS B VACCINATION SA Ali, CB Locke, CR Christiano
<p>| PV1   | A FASCINATING CASE OF ANTI GLOMERULAR BASEMENT MEMBRANE DISEASE WITH CO-EXISTING ANTI NEUTROPHIL CYTOPLASMIC ANTIBODY FOLLOWING AORTIC DISSECTION. | SA Ali, WA Davila, RI Obi |
| PV2   | NAIL-PATELLA SYNDROME, AN UNCOMMON CAUSE OF HEMATURIA/PROTEINURIA. | SA Ali, A Rice, W Badwan |
| PV3   | ONE WAY TO AVOID YARDWORK | P. Shah, A. Stang, D. Markham, and N. Fadul |
| PV4   | POTT’S DISEASE – AN UNUSUAL CAUSE OF BACK PAIN IN THE UNITED STATES | A. Stang, P. Shah, and N. Fadul |
| PV5   | AN UNUSUAL CASE OF POST-TRAUMATIC WOUND INFECTION | D Lebron, A Stang, P Cook |
| PV6   | NOCARDIA BRASILIENSIS INFECTION IN AN IMMUNOCOMPETENT PATIENT | D Lebron, A Stang, A Lagasca |
| PV7   | NON-STAPHYLOCOCCAL AND NON-STREPTOCOCCAL SKIN INFECTIONS | J Hussain; N Patel; C Phillips |
| PV8   | ACANTHOSIS NIGRICANS AND HYPERPIGMENTATIN ARISING IN PATIENT WITH TYPE B INSULIN RESISTANCE AND SYSTEMIC LUPUS ERYTHEMATOSUS | RH Jonas, SE Nichols, WA Burke |
| PV9   | A CASE OF HEREDITARY HEMOCHROMATOSIS – THE CLUES WERE IN THE ENDOCRINE SYSTEM | G Johnston, B Simpson, F Cook |
| PV10  | CONTRASTING CASES OF TYPE B INSULIN RESISTANCE RESPONDING TO AN IMMUNOSUPPRESSIVE PROTOCOL | Averneni M, Azad MR, Giordano J, Kalia-Reynolds MS, Cook FJ, Houston C |
| PV11  | MEDIASTINAL PARATHYROID ADENOMA IN A PATIENT WITH TERTIARY HYPERPARATHYROIDISM | S Shaik, B F Simpson, F Cook |
| PV12  | CARDIAC METASTASIS AS INITIAL SITE OF RECURRENT IN RECTAL CANCER | P.Namireddy, S. Macherla, JT.McClain, M. Muzaffar |
| PV13  | RARE MANIFESTATIONS OF KAPOSI SARCOMA | DA Uddin, BU Patel |
| PV14  | A RARE CASE OF CNS MARGINAL ZONE LYMPHOMA, MUCOSAL ASSOCIATED LYMPHOID TISSUE (MALT)-TYPE INVOLVING THE DURA WITH POSSIBLE ENT METASTASIS. | P Moore, D Liles, A Weil, H Arastu |
| PV15  | ROTHIA MUCILAGINOSA PNEUMONIA IN AN IMMUNOCOMPETENT PATIENT DIAGNOSED BY BRONCHOSCOPY AND FINE NEEDLE ASPIRATION | A El-Bakush, M Rizwan, B Kabchi, M Bowling |
| PV16  | A CASE OF CHYLOTHORAX AND CHYLOUS ASCITIS IN AN HIV PATIENT WITH KAPOSI SARCOMA | A El-Bakush, M Al-Janabi, S Chalise, V Ramsammy |
| PV17  | CONSOLIDATING A RARE CONSOLIDATION | S Marco, D Thompson, R Talento, A Mohan |</p>
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<th>IMPLICATION OF STEROID THERAPY IN SECONDARY OPPORTUNISTIC PNEUMONIA</th>
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Keynote Address:

“The Clinical Mycology Laboratory: Guiding Therapeutic Choices”

Barbara Alexander, MD

Director, Transplant Infectious Diseases Service
Head, Clinical Mycology Laboratory
Director, Medical Microbiology & Transplant ID Fellowship Programs
Professor of Medicine and Pathology
Duke University

Barbara D. Alexander, MD, MHS is Professor of Medicine (with tenure) and Pathology, Director of Transplant Infectious Disease (ID) Services, and Head of the Clinical Mycology Laboratory at Duke. Dr. Alexander completed graduate studies at Duke where she honed her skills as a medical mycologist prior to receiving her medical degree from East Carolina University. She returned to Duke for internal medicine residency, ID and medical microbiology fellowships and obtained a Masters in Health Science in Clinical Research. Dr. Alexander has served on the Board of Directors for the Infectious Diseases Society of America and is currently Associate Deputy Editor for the Clinical Infectious Diseases journal and Chair of the Clinical and Laboratory Standards Institute Subcommittee on Antifungal Tests.

Dr. Alexander is an NIH-funded researcher, currently serving as Principal Investigator for the NIH NIAID T32 multidisciplinary, institutional physician scientist training program in Transplant ID. She has established a highly effective mentoring environment which to date has resulted in 9 competitive NIH-funded training awards for mentees and the successful launch of the recipient’s academic careers. Her research efforts have led to standardized methods for susceptibility testing and interpretive breakpoints and epidemiologic cutoff values for fungi, FDA approval of new diagnostic tests and antifungal agents, as well as pivotal national epidemiologic investigations of fungal disease in transplant and immunocompromised host populations. She has also successfully collaborated with basic scientists to probe the molecular basis for fungal virulence and host susceptibility to invasive aspergillosis and candidemia. She has created two invaluable biorepositories, serving as Co-PI of the NIH-funded AsTeC Databank and Repository and PI of the Transplant Registry and Specimen Bank, which contain human data, specimens, and clinical isolates for research use.

Dr. Alexander has lectured nationally and internationally, has authored over 150 articles, book chapters, white papers and publications for mass distribution, and is considered a thought leader in the field of transplant ID and fungal infections.
The W. James Metzger, Jr., M.D. award is presented to the most outstanding presentation by a junior faculty member in the Department of Internal Medicine. A peer-review process selects the winner. The recipient of the award receives a certificate and has his/her name engraved on a plaque that is displayed in the Department of Internal Medicine Library. The recipient also receives recognition on the Department of Internal Medicine web site.

Dr. Metzger, a native of Pittsburgh, Pennsylvania, was a graduate of Stanford University and Northwestern University Medical School, Chicago, Illinois. He completed his residency and research fellowship in Allergy-Clinical Immunology at Northwestern University. After serving in the United States Air Force, he came to Greenville in 1984 to join the East Carolina University School of Medicine. During his tenure at East Carolina University, Dr. Metzger rose to the rank of Professor of Medicine. He was Section Head of the Section of Allergy-Immunology and held the appointments of Vice Chairman of Research, Department of Internal Medicine; Executive Director, the Center for Asthma, Allergy, and Immunology; Assistant Vice Chancellor for Clinical Research; Assistant Dean for Clinical Research; and Director, Clinical Trials Office. He was the recipient of the East Carolina University Award for Excellence in Research and Creative Activity and the Distinguished Research Professor of Medicine. His research was published in the New England Journal of Medicine, Nature, and other journals. Dr. Metzger had mentored numerous faculty and fellows.

In August 2000 Dr. Metzger accepted a position as Professor of Allergy, Asthma and Immunology at the National Jewish Medical and Research Center and was a faculty member at the University of Colorado Medical School, Denver, Colorado. He died on November 11, 2000 at the age of 55. Dr. Metzger represented excellence in research.

2001 Recipient:
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Paul Mehlhop, MD

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Lisa Staton, MD

2004 Recipient:
Cassandra Salgado, MD

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Barbara J. Muller-Borer, PhD
Cardiology

2006 Recipient:
Timothy P. Gavin, PhD
Human Performance

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Christopher Newton, MD
Endocrinology

2008 Recipient:
Li Yang, PhD
Hematology/Oncology

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Hematology/Oncology

2010 Recipient:
Sunil Sharma, MD
Pulmonary

2011 Recipient:
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Hsaio Lai, MD
Nephrology

2016 Recipient:
Geoffrey Stroud, PharmD
Pharmacy-LJCC

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