14TH ANNUAL
DEPARTMENT OF MEDICINE
RESEARCH DAY

THURSDAY, APRIL 28, 2016
12:00 PM – 3:00 PM

NEW JERSEY MEDICAL SCHOOL
MEDICAL SCIENCE BUILDING
B LEVEL, ROOM 610
&
B LEVEL, GRAND FOYER
**Oral Presentations**

12:00 noon to 1:30 P.M.
MSB-B610

**Welcome and Remarks**

Marc Klapholz, MD
Chairman of Medicine

**Introduction**

Nancy Connell, PhD
Director of Research, Department of Medicine

**Presentations**

**Yucai Wang**

*A Measure of Intratumor Heterogeneity Predicts Metastasis and Metastasis-Free Survival in Patients with Triple-Negative Breast Cancer*

**Tanzib Hossain**

*The Effect of Volunteers on STAT Lab Turnaround Times in the University Hospital Medical Intensive Care Unit*

**Jacqueline Burnell**

*Using Methicillin Resistant Staphylococcal Aureus Screening Data to Guide Initial Empiric Antibiotic Therapy*

**Alexander L. Perryman**

*A Novel, cell-trained approach to biological target-guided chemical tools and its application to Mycobacterium tuberculosis*

**Alexander Lemenze**

*Novel anti-Rickettsial compounds identified through high throughput screening and computational machine learning algorithms.*

**Breanne E. Biondi**

*Clinical Epidemiology Insights from Large Cohort Studies: Focus on Liver Disease Outcomes in HCV-Infected Adults*

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**Poster Session and Light Refreshments**

1:30 P.M. TO 3:00 P.M.
MSB-B LEVEL GRAND FOYER

1. **An Evaluation of HCV Screening in an Urban Primary Care Clinic**
Daniel Matassa MD, Genevieve Streb MD, Hyunseok Kim MD, MPH, Richard May MD, Neil Kothari MD, Mirela Feurdean MD

2. **Targeting IRF5 Activation for the Treatment of Lupus**
Steven Draikwicz, MD; Saurav De; Eugenio Capitle, MD; Betsy Barnes, PhD

3. **A Measure of Intratumor Heterogeneity Predicts Metastasis and Metastasis-Free Survival in Patients with Triple-Negative Breast Cancer**
Yucai Wang, Fang Yang, Yanru Wang, Victor Chang, Xiaoxiang Guan

4. **Effectiveness of Clinical Reminders in Primary Care Practice in the VA New Jersey Health Care System**
Riju Banerjee, Natalie Cedeno, Yucai Wang, Richard May, Mirela Feurdean, Neil Kothari

5. **Time trends in the prevalence of Celiac disease and Gluten-free diet in the US population: Results from the National Health And Nutrition Survey (NHANES) 2009-2014**
Hyun-seok Kim, Kalpesh Patel, Evan Orosz, Neil Kothari, Michael Demyen, Nikolaos Pyrsopoulos, Sushil K. Ahlawat

6. **Characteristics of People without Celiac Disease and Avoiding Gluten: A population-based study**
Hyun-seok Kim, Kalpesh Patel, Evan Orosz, Jose Churrango, Jill Deutsch, Neil Kothari, Michael Demyen

7. **Impact of Dietary Patterns on Obesity in the United States**
Hyun-seok Kim, Evan Orosz, Genevieve Strebe, Natalie Cedeno, Kalpesh Patel, Neil Kothari, Michael Demyen

8. **Survival prognosis of MGUS patients by clinical and risk subgroup: a result from a nationally representative prospective cohort**
Hyun-seok Kim, Jieqi Liu, Brittany Gladney, Neil Kothari, Noa Biran, Victor Chang, David Siegel

9. **Optimizing the Use of Gene Expression Profiling in Early Stage Breast Cancer**
Hyunseok Kim, Christopher Umbricht, Peter I Ile, Ashley Cimino-Mathews, Soonweng Cho, Nivedita Chowdhury, Maria Christina Figueroa-Magalhaes, Catherine Pesce, Stacie Jete, Charles Mylander, Martin Rosman, Lorraine Tafra, Bradley Turner, David Hicks, Tyler Jensen, Dylan Miller, Deborah Armstrong, Rosin Connolly, John Fetting, Robert Miller, Ben Ho Park, Vered Stearns, Kala Visvanathan, Antonio Wolff, Leslie Cope

10. **Implementing Pneumococcal Vaccination Guidelines in UH ACC: A Retrospective Analysis**
Khaled Abu-Ihweij, MD, Eman Rashed, MD, PhD, Ahmad Al-Turk, MD, Richard May, MD, Neil Kothari, MD, Mirela Feurdean, MD

11. **Lung Cancer Prevention Through Application of a Lung Cancer Screening Program (LCSP)**
Ricardo Parrondo, MD, Veronica Mariotti, MD, Larysa Sanchez, MD, Narjust Duma, MD, Richard May, MD, Mirela Feurdean, MD, Neil Kothari, MD

12. **A Case of Rapidly Growing Adrenal Mass and Hyperpigmentation Caused by Disseminated Tuberculosis**
Roopa Roy, MD, David Bleich, MD, Maya Raghuvanshi, MD

13. **The Use of Impella RP for Recovery from Acute Right Ventricular Failure**
Elena Dolmatova, Kasra Moazzami, Elie Elmann, Pranay Vaidya, Arthur Ng, Kumar Satya, Rajeev Narayan

14. **Chordae Tendineae Rupture in the United States: Trends of Outcomes, Costs and Surgical Interventions**
Elena Dolmatova, MD, Kasra Moazzami, MD, MPH, James Maher, MD, Marc Klapholz, MD, Justin Sambol, MD, Alfonso Waller, MD

15. **Extracorporeal Membrane Oxygenation in High Risk and Complicated Transcatheter Aortic Valve Replacement**
Elena Dolmatova, Kasra Moazzami, Thomas Cooke, Elie Elmann, Pranay Vaidya, Arthur Ng, Kumar Satya, Rajeev Narayan

16. **Predictors of Cardiac Tamponade from Permanent Pacemaker Implantation: Analysis of 1,014,713 Procedures**
Elena Dolmatova, Kasra Moazzami MD, MPH, Victor Mazza, MD, Marc Klapholz, MD, Alfonso Waller, MD

17. **Trends in Permanent Pacemaker and Implantable Cardioverter Defibrillators among Patients with Sarcoidosis in the United States: From 2000 to 2012**
Elena Dolmatova, Kasra Moazzami, Victor Mazza, Marc Klapholz, Alfonso Waller

18. **In-Hospital Outcome and Complications of Coronary Artery Bypass Grafting in the U.S. between 2008 & 2012**
Kasra Moazzami, Elena Dolmatova, James Maher, Christine Gerula, Marc Klapholz, Justin Sambol, Alfonso Waller
19. Successful Use of Surgically Placed Impella and Extracorporeal Membrane Oxygenation Circuit in a Patient with Cardiogenic Shock
Kasra Moazzami, Elena Dolmatova, Thomas Cokce, Elie Elmann, Pranay Vaidya, Arthur Ng, Kumar Satya, Rajeev Narayanan

20. Comparison of In-Hospital Outcomes and Complications between Transfemoral and Transapical Approaches for Patients Undergoing Transcatheter Aortic Valve Replacement in the United States: Analysis of 8,903 Procedures
Kasra Moazzami, MD, MPH; Elena Dolmatova, MD; Victor Mazzetta, MD; Marc Klapkholz, MD; Justin Sambol, MD; Alfonso Waller, MD

21. Left Ventricular Mechanical Support with Impella during Extracorporeal Membrane Oxygenation
Kasra Moazzami, Elena Dolmatova, Thomas P Cokce, Elie Elmann, Pranay Vaidya, Arthur F Ng, Kumar Satya, Rajeev Narayanan

Kasra Moazzami, MD, MPH; Elena Dolmatova, MD; Victor Mazzetta, MD; Marc Klapkholz, MD; Alfonso Waller, MD

23. Clostridium difficile: Are We Following Treatment Guidelines?

24. Isolated direct hyperbilirubinemia from Cytarabine arabinoside: A case report
Seth Lichtenstein, Rishabh Gulati, Michael Silverberg

25. Efficacy of Influenza Vaccination Awareness in a Resident Run Clinic
Komal Patel MD, Elizabeth Tam MD, John Kileci MD, Eric Yoon MD, Richard May MD, Neil Kothari MD, Mirela Feurdean MD

26. A Case of Multiple Autoimmune Conditions Following Accidental Exposure to Hydrazine
Lena Shalem, MD, Roopa Roy, MD, RoseMarie Pasmantier, MD, John Shin, MD

27. Quality of Life in Eosinophilic Esophagitis
S. N. Patel MD, J Oppenheimer MD, T Feldman MD, A Langseder, O Koslove MD, P Wilmot MD, M Perez MD, A Leiby MD, J Rosh MD, B Verga MD, N Pandey MD

28. Appropriateness of Cardiac Testing for Preoperative Risk Assessment in Resident Clinic
Daniel Pievsky DO, Igor Eyzner DO, Renjith Thomas MD, Ramya Undamatla MD, Rich May MD, Neil Kothari MD, Mirela Feurdean MD

29. Staphylococcus lugdunensis presenting as Dacryoadenitis in an HIV positive Female Patient
Haimavathi Bhat, DO, MPH, Rajendra Kapila, MD, Neena Mirani, MD

30. Blood Glucose Screening Rates in Patients with Hypertension at the North Hudson Community Action Center (Hackensack, NJ)
Rahim Wooley MD, Joseph DeRose DO, Arooj Babar MD, Rima Panchal MD, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

31. The Effect of Volunteers on Turnaround Time for STAT Laboratory Orders at University Hospital Medical Intensive Care Unit
Tanzib Hossain MD, MS, Chinonye Ogbonnaya-Odor MD, Camille Johnson MD, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

32. Assessing Alarm Symptoms in Patients with GERD in the Outpatient Setting
Michael Agnelli, Nitisalla Bhatia, Sejal Kothadho, Jieqi Liu, Richard May, Mirela Feurdean, Neil Kothari

33. Advanced Planning Discussions in the Medicare Population of the Medicine/Pediatrics Primary Care Clinic
Nabila Abou Baker, Priya Patel, Pauline Yi, Celeste Odenigbo, Evan Orosz, Kristin Wong

34. The Use of a Reduced-Intensity Conditioning (RIC) Regimen in Patients Ages 2-30 Undergoing Allogeneic Transplantation for Sickle Cell Disease
Nabila Abou Baker, Priya Patel, Pauline Yi, Celeste Odenigbo, Evan Orosz, Kristin Wong

35. Coexistence of Familial hypocalciuric hypercalcemia and parathyroid adenoma in a family: A case report
Ramya Undamatla MD, Maya Raghuwanshi MD, Joshua Kaplan MD

36. Hepatitis C Virus Screening in Baby Boomers at a Resident-Led Ambulatory Care Center
Nyneju Nmah MD, Olawale Onibile MD MPH, Patrick Mitchell MD PhD, Amar Dixit MD, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

37. Analysis of Venom Hypersensitivity Reactions and Subsequent Preventative Management in a VA Patient Population
Priya Patel MD, Alain Wolff, MD

38. Demographic evaluation of Veteran users of secure messaging
Shaun Shahani, Pearl Korenbilt, Richard Carr, Pauline Thomas, Lynn Davis

39. Isolated anomalous left main coronary artery presenting as aborted sudden cardiac death in an elderly patient
Njambi Mathenge; Monali Patel; Osama T. Niazi; Sheila Sherzoy; Martha L. Castro; Louis E. Teichholz; Alfonso Waller; James Maher

40. Guidelines Compliance in the Practice of RBC Transfusion and Associated Patient Outcomes
Zhen Wang MD, Elaine Zhai DO, Sandra Aleskic MD, Adam Kibola MD, Teja Ganta, Richard May MD, Neil Kothari MD, Mirela Feurdean MD

41. Ocular Toxoplasmosis in the Immune-Competent Adult: Horse or Zebra?
Eman Rashed MD, PhD, Neil Kothari MD

42. Golimumab Induced CNS/Pulmonary Sarcoidosis

43. Nighttime onsite fellow coverage of medical intensive care unit (MICU): Impact on patient outcomes
Yuiri Takhahov MD, Stanley Weiss MD, John Kileci, MD, Anne K. Sutherland, MD

44. Therapeutic Hyperthermia outcomes comparison in Ventricular Fibrillation/Ventricular Tachycardia Arrest patients versus Pulseless Electrical Activity Arrest
Monali Patel, DO; Carlos Osorio, MD; Maulin Patel, MD; Moaz Choudhry, MD; Richard May, MD; Mirela Feurdean, MD; Neil Kothari, MD

45. Unstable hemoglobinins: A case report of Koln's hemoglobinopathy?
Rishabh Gulati, Seth Lichtenstein, Nisha Suda, Venkataharthi Velam, Mark Pascal

46. Thoracentesis in Cirrhotics (TC Study) – Incidence of Hemorrhagic Complications of Thoracentesis in Cirrhotic Patients
Rahim Wooley MD, Steven Kim MD, Keith Guevarra DO

47. RNA binding protein Musashi 1 interacts with HuD in breast cancer cells to stabilize the TAC1 transcript: Implication for cancer stem cells
Veronica Mariotti, Garima Sinha, Pranela Rameshwari

48. Role of Toll-Like Receptor 2 in protection against the hypervirulent Mycobacterium tuberculosis strain HN878
Arancha Gopalakrishnan, Jillian Dietzold, Padmini Salgame

49. Vitamin D Replacement Practices in Veterans With Vitamin D Insufficiency/Deficiency: Are We Accomplishing Our Goals?
Tanzila Razzaki MD, Elaine Zhai DO, Zhen Wang MD, Adam Kibola MD, Neela Ganta, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

50. Unstable hemoglobinins: A case report of Koln's hemoglobinopathy?
Rishabh Gulati, Seth Lichtenstein, Nisha Suda, Venkataharthi Velam, Mark Pascal

51. Assessing Pediatric Medical Transition Readiness in an Urban Environment
Nabila Abou Baker, Priya Patel, Pauline Yi, Celeste Odenigbo, Evan Orosz, Kristin Wong

52. Identifying biomarkers of exit from Tβ latency in HIV-infected using whole blood transcriptional signatures
Sheetal Verma, Peicheng Du, Samantha Leong, David Lewinsohn, Yukari Manabe, Jerrold Elnner, Padmini Salgame
Residents’ and Fellows’ Perception of Patient Safety and Use of Patient Safety Event Reporting at University Hospital
Sarah Ramer, MD, MS, Mary Elizabeth Swift-Taylor, MD, Aleksey Tentler, MD

Effect of Smart-Text Implementation on Adherence to Outpatient Adult HIV Screening Guidelines
Njambi Mathenge, MD; Claudia Miranda, MD; Frank Wang, MD; Brittany Gladney, MD; Yucai Wang, MD; Richard May, MD; Neil Kothari, MD; Mirela Feurdean, MD

Palliative Care Consult in Non-ICU Patients: An Unmet Need
Mohleen Kang MD, Nisha Suda MD, Hussam Eltomky MD, Sejal Kothadia MD, Konal Patel MD, Yulanka Castro MD, Richard May MD, Susanne Waithier APN, Neil Kothari MD, Mirela Feurdean MD, Anne Sutherland MD

Analysis of Use of CT Head in Pediatric Emergency Department using Pediatric Emergency Care Applied Research Network (PECARN) Guidelines
Mok, E., MD; Munir, F. DO; Buczynski, P., MD; Connors, J., MD; Meshkati, M., MD; Banugaria, S.; Tentler, A.; MD; Kondamudi, N., MD

Referral for Pulmonary Function Testing in the Ambulatory Care Clinic After Resident Education and Introduction of Unified Screening Technique
Dennis Villegas, MD, Chi Chi Ezeonu, MD, Elena Dolmatova, MD, Edrik Avevedo, MD, Richard May, MD, Mirela Feurdean, MD

Evaluation of Appropriateness of Progressive Care Units Utilization at University Hospital
Yulanka Castro MD, Vivek Joseph MD, Tanzila Razzaki MD, Natalija Odanovic MD, Richard May MD, Neil Kothari MD, Anne Sutherland MD, Mirela Feurdean MD

Compliance of Statin Therapy with ACC and AHA Guidelines Before and After Resident Education
Christopher Estwere MD, Tamara Khaimchayev MD, Gustavo Churrango MD, Kevin Hou MD, Richard May MD, Neil Kothari MD, Mirela Feurdean MD

Chemosensitization of Dormant Breast Cancer Stem Cells by Dual Inhibition of g-Secretase and Notch
Hussam Eltomky, Garima Sinha, Pranelia Ramershaw

Using Methicillin Resistant Staphylococcal Aureus Nares Screening Data to Guide Initial Empiric Antibiotic Therapy
Jacqueline Burnell, MD, Melanie Valentin-Torres, MD, Sharon M Smith, PhD, Robert H K Eng, MD

Utility of Elevated Procalcitonin Level in Patients with Acute Kidney Injury
Sobia Nizami MD, Shijia Zhang MD, Kasra Moazzami MD, Srikanth Thiruvadsothy MD, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

Examining the effect of intracolonic instillation of Bdellovibrio bacteriovorus and Micavibrio aeruginosavorus in a rat model
Kenneth Shatzkes, Eric Singleton, Chi Tang, Michael Zueva, Sean Shukla, Shilpi Gupta, Sonal Dharani, Daniel E. Kadouri, Nancy D. Connell

A Novel, cell-trained approach to biological target-guided chemical tools and its application to Mycobacterium tuberculosis
Alexander L. Perryman, Xin Wang, Shao-Gang Li, Steven D. Paget, Thomas P. Stratton, Arthur J. Olson, Sean Ekins, Joel S. Freundlich

A Different Ticking Time Bomb: A Case of Babesiosis with Petechial Rash
Alleen Tlamsa, MD, Ariadne Panagiotou, BA; Patrick Mitchell, MD, PhD; Steven Sperber, MD

Head and Neck Malignancies Associated with HIV
E. Liliana Kim, MD; Ishita Sheth, MD; Rajendra Kapila, MD

Novel anti-Rickettsial Compounds Identified Through High-Throughput Screening and Computational Machine Learning Algorithms
Lemenza A, Perryman A, Freundlich J, Connell N

A Unique Presentation of Disseminated Histoplasmosis Infection Following TNF-Alpha Therapy
DeRose J, DO, Tlamsa A, MD, Babar A, MD, Patel K, MD, Mannion C, MD

Clinical Epidemiology Insights from Large Cohort Studies: Focus on Liver Disease Outcomes in HCV-Infected Adults
Breanne Biondi, Daniel Rosenblum, PhD, Nikolaos Pyrsopoulos, MD, Stanley Weiss, MD

Signet Ring Cell Carcinoma Presenting as Chylothorax and Chylous Ascites

Appropriate Use of Endoscopy: A Quality Improvement Study
Matthew Kucher DO, Mitchell Kim MS3, Michael Demeny, DM, Zamir Breli MD, Sushil Ahlawat, MD, PhD, MBA, FACP, AGAF

ACETAMINOPHEN TOXICITY CAUSING HEMOLYSIS IN G6PD DEFICIENCY
Annu Gupta MD, Sirish Sanaka MD, Vivek Lingiah MD, Phoenix Fung MD, Nikolaos Pyrsopoulos MD

HEPATIC ANGIOMYOLIPOMA MIMICKING HEPATOCELULAR CARCINOMA
Annu Gupta MD, Sirish Sanaka MD, Vivek Lingiah MD, Phoenix Fung MD, Nikolaos Pyrsopoulos MD

Ampullary GIST: The Utility of Endoscopic Ultrasound
Hadi Bhurgi, MD

An interesting case of refractory ascites after Orthotopic Liver Transplantation managed with antiviral therapy
Imad Asaad, MD, Raj Edula, MD, Vivek Lingiah, MD, Phoenix Fung, MD, Vrushak Deshpande, MD, Annu Gupta, MD, Neena Mirani, MD, Nikolaos Pyrsopoulos MD

New Techniques: The AXIOS Stent and Electrocautery-Enhanced Delivery System in Cystgastrostomy
Richard J. Arrigo, DO, Rosario Ligresti, MD, FASGE

Cecal Intubation Rate for Screening Colonoscopies at an Inner-City University Hospital
Churrango, Jose; Kim, Ki-Yoon; Ghadiali, Jay; kim, Hyunseok; Johnson, Camille; Demeny, Michael

Cystic Duct Remnant Mucocele Developed after Cholecystectomy: A Case Report and Systemic Review
Bingru Xie, Michael Demeny, Weizheng Wang, Zamir Breli, Nikolaos Pyrsopoulos, Sushil Ahlawat

Fluoroscopic Technique in ERCP Matters More Than Experience for Radiation Exposure
Jill K. Deutsch, Gustavo Churrango, Henry S. Dinneen, Jose Churrango, Sami Suriullah, Sushil K. Ahlawat

Hematemesis in a Patient with a Bariatric Intragastric Balloon
Hadi Bhurgi, MD

Not all Hepatic Encephalopathy is Cirrhosis
Sowjanya Kanna MD, Vivek Lingiah MD, Nikolaos Pyrsopoulos MD

Racial and Economic Inequality Trends in Esophageal and Colorectal Malignancies in the US from 1992-2007
Daniel Bodek, Pavan Patel

A Rare Case of a Poorly Differentiated Neuroendocrine Rectal Tumor With Shared CLL Histology
Annu Gupta, MD, Sirish Sanaka MD, Vivek Lingiah MD, Phoenix Fung MD, Nikolaos Pyrsopoulos MD

Impact of Hospital Teaching Status on Mortality, Length of Stay and Cost among Patients with Cardiac Arrest in the United States
Elena Dolmatova, MD, Kasra Moazzami, MD, MPH, Marc Klapholz, MD, Neil Kothari, MD, Mirela Feurdean, MD, Alfonso Waller, MD

Abdominal Aortic Aneurism Screening in the East Orange Veterans Affairs Hospital
Vishal Duggal MD, Edward Rojas MD, Muhammad Hussain MD, Richard May MD, Mirela Feurdean MD, Neil Kothari MD

Classification of Asthma in a Resident Based Primary Care Clinic
Simia Patel, DO; Saritha Kartan, MD; Yulanka Castro, MD
Awards
Best Oral Presentation
Best Poster - Research
Best Poster - Case Presentation
People’s Choice Poster

Research Day Selection Committee

Sultan Ahmed, MD .................................. Cardiology
Andrew Berman, MD ............................ Pulmonary/Critical Care
David Bleich, MD ................................ Endocrinology
David Cennimo, MD .............................. Infectious Diseases
Debra Chew, MD .................................. Infectious Diseases
Michelle DallaPiazza, MD ...................... Infectious Diseases
Lisa Dever, MD ..................................... Infectious Diseases
Alla Fayngersh, MD ............................... Internal Medicine
Mirela Feurdean, MD ............................. Academic Medicine
Rajendra Kapila, MD .............................. Infectious Diseases
Joshua Kaplan, MD ............................... Nephrology
James Maher, MD ................................. Cardiology
Maya Raghuwanshi, MD ........................ Endocrinology
Padmini Salgame, PhD ......................... Infectious Diseases
Anne Sutherland, MD ........................... Pulmonary/Critical Care
Shobha Swaminathan, MD ..................... Infectious Diseases
Pauline Thomas, MD ............................. Preventive Medicine
Alfonso Waller, MD ............................... Cardiology
Stanley H. Weiss, MD ............................ Preventive Medicine

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Lisa Wade