## 2013 Eastern Regional Meeting

### Eastern Regional Meeting at a Glance

<table>
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<tr>
<th>Time</th>
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<tr>
<td>7:00 AM</td>
<td>Eastern Meeting Registration &amp; Continental Breakfast</td>
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</table>
| 7:30 AM – 8:30 AM | **Breakfast Workshop**  
Community-based Models for Translational Research: A Hepatitis C Virus Case Study  
Moderator: Shyam Kottill  
NIAD, National Institutes of Health  
From a Natural History Study to Novel Trials Using Directly Acting Agents for the Treatment of Hepatitis C: Lessons Learned in a Unique Community-Government Partnership for Translational Research  
Anita Kohli  
SAIC-Frederick, NIAD, National Institutes of Health  
Use of Longitudinally Collected Clinical Samples to Understand Host Correlates of Serum Clearance of Hepatitis C Virus  
Eric Meissner  
NIAD, National Institutes of Health  
Modulation of Antiviral Immunity During Direct Acting Antiviral Therapy for a Chronic Viral Infection  
Lisa Barrett  
NIAD, National Institutes of Health |
| 8:45 AM – 9:00 AM | AFMR Introduction and Welcome |
| 9:00 AM – 10:50 AM | **Scientific Session I**  
1. Risk Factors for All-Cause Readmission after Heart Failure Admission in Patients with Preserved or Reduced Ejection Fraction  
Jonathan S. Siegfried, Ofer Sagiv, Eric Berkowitz, Yuri Takhalov, Aaleldin Eltom, Subhas Patel, Ralph Benjamin, Benyam Alemu, Deepender Oshan, Jennifer Siller, Jennifer Ullman, Georgia Panagopoulos, Frank Messinco, Neil L. Coplan  
1. Department of Cardiovascular Medicine, Lenox Hill Hospital, New York, NY, United States.  
2. Mitotic Dysynchrony Induces TGF-β1 in Airway Epithelial Progenitor Cells  
1. Center of Genetic Medicine, Children’s National Medical Center, Washington, DC, United States.  
3. Determinants of Post-Ocemic Reactive Hyperemia Tissue Oxygen Saturation in Normal Subjects  
Atif Afzal, Manasi Bapat, Christopher Knudson, Rae Obasare, Andrew Persits, Haroon Kamran, Louis Salciccioli, Jason Lazar  
1. cardiology, SUNY Downstate Medical Center, Brooklyn, NY, United States.  
4. Proteomic Profiling of the CF Secretome  
Jennifer R. Peters-Hall, Kristy J. Brown, Mary C. Rose  
1. Center for Genetic Medicine Research, Children’s National, Washington, DC, United States.  
5. Percutaneous Coronary Intervention for Acute Myocardial Infarction in Patients with Rheumatoid Arthritis  
Sahil Khera, Dharvul Kolte, Sahil Agrawal, Marjan Mujib, Wilbert S. Aronow, Chandrasekar Palaniswamy, Jay V. Doshi, Nivas Balasubramaniyam, John A. McClung  
1. Internal Medicine-Cardiology, New York Medical College, Valhalla, NY, United States.  
6. Identifying Directional Secretomes of In Vitro Differentiated Primary Normal Bronchial Epithelium  
Dinesh Pillai, Binu J. Sankoorki, Eric Johnson, Jessica Zurko, Angelo Seneviratne, Kristy J. Brown, Yetrib Hathout, Mary C. Rose  
1. Center for Genetic Medicine, Children's National Medical Center, Washington, DC, United States.  
7. High Levels of Circulating MicroRNAs from miR17-92 Family Indicate Favorable Outcomes in Ovarian Cancer Patients (OvCa)  
Janaki Parameswaran, Iuliana Shapira, Annette Lee, Micha' ela Oswald, Keith Sult, Thomas Bradley, Daniel Budman  
1. Hofstra NSLIJ School of Medicine, Manhasset, NY, United States.  
8. Alpha II Spectrin Breakdown Product as a Potential Biomarker for Neurological Injury in Infants with Congenital Heart Disease undergoing Cardiopulmonary Bypass and Deep Hypothermic Cardiac Arrest  
1. cardiology, SUNY Downstate Medical Center, Brooklyn, NY, United States.  
3. Department of Cardiovascular Medicine, Lenox Hill Hospital, New York, NY, United States.  
4. Center of Genetic Medicine, Children’s National Medical Center, Washington, DC, United States.  
5. Hofstra NSLIJ School of Medicine, Manhasset, NY, United States.  
6. National Institutes of Health  
7. National Institutes of Health  
8. National Institutes of Health |

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Journal of Investigative Medicine • Volume 61, Number 3, March 2013
### Eastern Regional Meeting at a Glance

**Journal of Investigative Medicine** • Volume 61, Number 3, March 2013

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<td>10:50 AM – 11:05 AM</td>
<td><strong>RESEARCH!AMERICA ADVOCACY WORKSHOP</strong></td>
<td><strong>4TH ANNUAL FORMER AFMR/AFCR PRESIDENT’S ADDRESS</strong></td>
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<tr>
<td></td>
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<td>Suzanne Oparil, MD</td>
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<td>University of Alabama at Birmingham</td>
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<td>11:05 AM – 11:20 AM</td>
<td><strong>BREAK</strong></td>
<td><strong>MODERATED LUNCHEON SESSION</strong></td>
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<tr>
<td>11:20 AM – 12:05 PM</td>
<td><strong>12:05 PM – 1:35 PM</strong></td>
<td><strong>The Relationship of the Carotid Artery Gray Scale Median to Anatomic and Functional Measures of Cardiovascular Risk</strong></td>
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<td>Josef A. Brejti¹, Aryeh Ginsburg¹, Haroon Kamran¹, AnthonyMarco Corbo¹, Louis Salciccioli¹, Jason Lazar¹</td>
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<td>1. Medicine/Cardiology, SUNY Downstate Medical Center, Brooklyn, NY, United States.</td>
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<td><strong>Effects of Topical Capsaicin on Carotid-Radial Pulse Wave Velocity in Healthy Subjects</strong></td>
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<td>Atif Afzal¹, Manasi Bapat¹, Thomas Pettie¹, David Chablot¹, Andrew Persits¹, Christopher Knutson¹, Louis Salciccioli¹, Jason Lazar¹</td>
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<td>1. Cardiology, SUNY Downstate Medical Center, Brooklyn, NY, United States.</td>
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<td><strong>Subjective and Motor Responses to Acute Intravenous (IV) Alcohol: Comparison of Clamp and Oral-Mimic Infusion Paradigms</strong></td>
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<td>Vatsalya Vatsalya¹, Veronica Y. Schmidt¹, Vijay A. Ramchandani¹</td>
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<td>1. Section on Human Psychopharmacology, LCTS, NIAAA, Bethesda, MD, United States.</td>
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<td><strong>Appropriate RBC Transfusions in the Intensive Care Setting: A Quality Improvement Initiative</strong></td>
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<td>Sandhya Samathama¹, Arvind Vasudevan¹, Jessica Vassiladi¹, Arvind Samathama¹, Arvind Vasudevan¹</td>
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<td>1. Internal Medicine, The Wright Center for Graduate Medical Education, Scranton, PA, United States.</td>
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<td>2. Internal Medicine, Regional Hospital of Scranton, Scranton, PA, United States.</td>
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<td><strong>CHD7 Mutations in Isolated GnRH Deficiency: The Genetics and Biological Implications for the Developmental Biology of GnRH Neurons</strong></td>
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<td>Jin-Ho Choi¹, Ravikumar Balasubramanian¹, Elieni P. Asimacopoulous¹, Konstantina M. Stankovic², Lacey Plummer², Cassandra L. Buck², Flavia A. Costa-Barbosa², Richard Qiujpton², Todd D. Nebesio², Veronica Merciq², Paulina M. Merino², Brian F. Meyer², Dorota Monies³, James F. Gusella³, Nada Al Tassan³, William F. Crowley³</td>
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<td>1. Harvard Reproductive Endocrine Sciences Center, Massachusetts General Hospital, Boston, MA, United States.</td>
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<td>2. Otolaryngology, Massachusetts Eye &amp; Ear Infirmary, Boston, MA, United States.</td>
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<td>3. Genetic Medicine, Newcastle University, Newcastle-upon-Tyne</td>
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<td><strong>Increased Visits; Decreased Deaths in HIV+ ED Patients</strong></td>
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<td>David Milzman¹, Scott Osborne¹, Hahn Soe-Lin¹</td>
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<td>1. Georgetown University, Washington, DC, United States.</td>
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<td><strong>Sumatriptan is Effective for Migraine Headaches in the Pediatric Emergency Department</strong></td>
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<td>Naomi T. Hughes¹, Bhawana Arora¹, Kathleen M. Brown¹</td>
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<td>1. Emergency Department, Children’s National Medical Center, Washington, DC, United States.</td>
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<td><strong>Practices and Experiences of Pediatric Emergency Medicine Fellows in Debriefing after Medical Resuscitations in the Emergency Department</strong></td>
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<td>Lauren E. Staple¹, Leticia M. Ryan¹, Karen O’Connell¹, Paul Mullan¹, Angela T. Wratney²</td>
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<td>1. Division of Emergency Medicine, Children’s National Medical Center, Washington, DC, United States.</td>
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<td>2. Division of Critical Care Medicine, Children’s National Medical Center, Washington, DC, United States.</td>
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<td><strong>Upper and Lower Airway Inflammation Modulate the Phenotypical Expression of OSA in Children</strong></td>
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<td>Shelianoor Huseni¹, Maria Gutierrez², Carlos Rodriguez-Martinez², Cesar L. Nino², Geovanny F. Perez², Gustavo Nino²</td>
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<td>1. Winthrop University Hospital, Mineola, NY, United States.</td>
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<td>MP11.</td>
<td>Response to Bronchodilators in Patients with Cystic Fibrosis</td>
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<td>Tina Catanzaro, Anastassios Koumbourlis</td>
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<td>Efflux Genes in 20 Subjects</td>
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**1:35 PM – 2:35 PM**

**SCIENTIFIC SESSION II**

12. 
Estrogen and TGFβ-1 Increase Fibronectin mRNA and Protein Expression in Asthmatic Epithelium

Asha S. Payne¹, Humaira Mubdeen², Kanneboyma Nagaraju³, Robert J. Freishtat¹

1. Children’s National Medical Center, Washington, DC, United States. 2. University of Connecticut Health Center, Farmington, CT, United States. 3. Tsurumi University, Yokohama, Japan.

13. 
A New Artificial Neural Networks Model of Cardiovascular Risk in Renal Disease Outlines Carotid Artery Markers

Oana Sandu¹, Julian Nastac², Jaime Uribarri³

1. ICTR Albert Einstein College of Medicine, Bronx, NY, United States. 2. UPB, University Politehnica Bucharest, Bucharest, Romania. 3. Medicine, Mount Sinai School of Medicine, New York, NY, United States.

14. 
Adipocyte Exosomal miRNAs May Mediate the Effects of Obesity on Lung Disease

Sarah Ferrante¹, Evan Nadler², Zuzi Wang³, Monica Hubal², Dinesh Pillai¹, Sammie Sevilla³, Andrew Wiles¹, Julia Anderson¹, Robert J. Freishtat³

1. Children’s National Medical Center, Washington, DC, United States.

15. 
Comparison of Peak Troponin (cTnI) Levels Based on Various Patient Characteristics

David Milzman¹, George Hughes-Strange², Anthony Napoli³

1. Georgetown University, Washington, DC, United States. 2. Emergency Medicine, Washington Hospital Center, Washington, DC, United States.

16. 
Atherogenic Properties of Rheumatoid Arthritis Plasma: Effect on Cholesterol Efflux Genes in 20 Subjects

Sony Modiayi¹, Allison B. Reiss¹, Michael J. Littlefield¹, Elise Belijos¹, Kristina B. Belostocki¹, Lois A. Bonetti², Gary C. Rosenblum², Steven E. Carsons³, Iryna Voloshyna¹

1. Medicine, Winthrop University Hospital, Mineola, NY, United States.

17. 
Repression of MUC5AC Gene Expression in Human Lung Epithelial Cells by Classical and Dissociative Steroids

Lindsay M. Garvin¹, Yajun Chen¹, Jesse M. Damsker¹, Mary C. Rose¹, ²

1. George Washington University, Washington, DC, United States. 2. Genetic Medicine, Children’s National Medical Center, Washington, DC, United States. 3. ReversaGen BioPharma, Rockville, MD, United States.

18. 
Novel Poly-Lactic Acid Nanofiber-Filled Slurry for Improved Elastic Cartilage Engineering from Human Umbilical Cord Mesenchymal Stem Cells

Alexandra Halevi¹, ², Montserrat Caballero³, Miles C. Wright¹, John A. van Aalst¹

1. Department of Plastic and Reconstrucive Surgery, University of North Carolina, Chapel Hill, NC, United States. 2. Mount Sinai School of Medicine, New York, NY, United States. 3. CEO and Founder, Xanofi, Inc, Raleigh, NC, United States.

19. 
Trends in Percutaneous Coronary Intervention and Outcomes Among Patients ≥ 80 Years of Age with ST-Elevation Myocardial Infarction

Dhaval Kolte¹, Sahil Khera¹, Marjan Mujib¹, Chandrasekar Palaniswamy¹, Tarunjit Singh¹, Wilbert S. Aronow¹

1. Internal Medicine-Cardiology, New York Medical College, Valhalla, NY, United States.

20. 
Novel Urinary Biomarkers of Acute Kidney Injury and Mortality 3-Years After Cardiac Surgery

Steven Coca¹, Amit Garg³, Heather Thiessen-Phillbrook¹, Jay Koyner¹, Michael Shlipak³, Chirag Parikh¹

1. Yale University, New Haven, CT, United States. 2. Western University, London, ON, Canada. 3. University of Chicago, Chicago, IL, United States. 4. University of California-San Francisco, San Francisco, CA, United States.

21. 
BMP-2 Synergizes the Bone Healing Effect of FGF-2 on Calvarial Defects in Mice

Liping Xiao¹, Sylvain Catros², Daisuke Ueno¹, Colin Homer-Bouthierre¹, Lyndon Charles¹, Lisa Kuhn¹, Marja Hurley¹

1. University of Connecticut Health Center, Farmington, CT, United States. 2. University of Bordeaux Segalen, Bordeaux, France. 3. Tsurumi University, Yokohama, Japan.

22. 
Practice Patterns in the Management of Febrile Neonates with No Lumbar Puncture

Priti Bhanisali¹, Neha Shah¹, William Pastor¹, Bernhard Wiedermann¹

1. Pediatrics, Children’s National Medical Center, Washington, DC, United States.
Bone Mineral Density in Overweight Children with and without Forearm Fractures
Leticia M. Ryan1, Stephen Teach1, Laura Tos1, Catherine Gordon2, Michael Levine3, James M. Chamberlain1
1. Division of Emergency Medicine, Children’s National Medical Center, Washington, DC, United States. 2. Hasbro Children’s Hospital, Providence, RI, United States. 3. The Children’s Hospital of Philadelphia, Philadelphia, PA, United States.

3:35 PM – 3:50 PM
BREAK

3:50 PM – 5:05 PM
CAREER DEVELOPMENT WORKSHOP
Faculty Development Presentation Skills for Physicians and Researchers: Making Your Next Presentation Go Better Than Your Last
Scott C. Litin, MD
Mayo Clinic, Rochester, MN

5:05 PM – 6:05 PM
AFMR PRESIDENTIAL PLENARY SESSION (SCIENTIFIC SESSION III)
High-Throughput Signal Processing of Polysomnography Identifies Airflow-Independent Respiratory Features of OSA in Adults
Geovanny F. Perez1, C. L. Nino2, C. Rodriguez-Martinez3, M. Gutierrez3, S. Huseni4, G. Nino1
1. Children’s National Medical Center, Washington, DC, United States. 2. Javeriana University, Bogota, Colombia. 3. Universidad Nacional de Colombia, Bogota, Colombia. 4. Pennsylvania State University College of Medicine, Hershey, PA, United States.

24. Expression of Cardiolipin Biosynthesis and Remodeling Enzymes in Adult Heart Failure
Jonathan E. Grudis1, Kathryn C. Chatfield2, Genevieve C. Sparagna4, Jamie Hjimans3, Rebecca D. Sobus1, Shelley D. Miyamoto5, Brian L. Stauffer1, 4
1. University of Colorado School of Medicine, Aurora, CO, United States. 2. Department of Pediatric Cardiology, Children’s Hospital Colorado, Aurora, CO. United States. 3. Department of Medicine, University of Colorado Denver, Aurora, CO, United States.

25. Advanced Glycation End Products (AGEs) Cause Pro-atherogenic Changes in Cholesterol Transport: A Possible Mechanism for Cardiovascular Risk in Diabetes
Jose D. Gamez1, 2, Iryna Voloshyn1, Michael J. Littlefield1, Mariano Castro-Magana2, Allison B. Reiss1
1. Medicine, Winthrop University Hospital, Mineola, NY, United States. 2. Pediatric Endocrinology, Winthrop University Hospital, Mineola, NY, United States.

26. The Basic Domain of HIV-Tat is Essential for Targeting Tat to Lipid Rafts (LR) and its Regulation of FGF-2 Signaling in Human Podocytes
Xuefang Xie1, Anamari Colberg-Poley2, 3, Jharna Das1, Jinliang Li1, Aiping Zhang2, 3, Pingtang Tang1, Marina Jerebtsova1, 3, J. Silvio Gutkind4, Patricio Ray1, 3
1. Center for Cancer and Immunology Research, Children’s National Medical Center, Washington DC, DC, United States. 2. George Washington University Institute of Biomedical Sciences, Washington, DC, United States.

27. Proteomic Profiles in Long Term Follow-up of Patent Foramen Ovale Related Stroke Patients
MingMing Ning1, Mary Lopez1, David A. Sarracino1, Kathleen Feeney1, Molly Thayer1, Mikaela Elia1, Hailey Koop1, David McMullin1, Zareh Demirjian1, Ignacio Inglessis-Azuaje1, Scott Silverman1, G. William Dec1, Igor Palacios1, Eng H. Lo1, Ferdinando S. Buonanno1
1. Clinical Proteomics Research Center, Massachusetts General Hospital, Harvard Medical School, Boston, MA, United States.

6:05 AM – 6:20 AM
AWARD PRESENTATIONS
- Poster Competition
- Eastern Region Scholars

6:20 PM
ADJOURN

POSTERS

P1. Risk Factors for Non-Adherence in Adolescents with Food Allergy
Adora Lin1, Hemant P. Sharma2
1. Pediatric Residents, Children’s National Medical Center, Washington, DC, United States. 2. Allergy and Immunology, Children’s National Medical Center, Washington, DC, United States.

P2. Quality of Life in a Racially Diverse Cohort of Children with Eosinophilic Esophagitis and Comparison to Other Chronic Illnesses
Thomas Weiler1, Saul Rubin2, Hemant P. Sharma1, Irene Mikhail1
### P18.
**Genetic Counseling and Testing Among a Consecutive Series of Patients with Epithelial Ovarian (EOV), Tubal (ETC), or Peritoneal Carcinoma (PC) in the Community Setting**
Christi Hayes¹, I. Shapira¹, P. Tandon¹, N. Ahmad¹, K. Cheng¹, K. Cheng¹, K. Sultan¹, T. Bradley¹, D. Budman¹

1. Hofstra North Shore LIJ School of Medicine, Manhasset, NY, United States.

### P19.
**Implementation of a Structured Handoff Tool, SOUND, Leads to an Improvement in Patient Handoffs in a Pediatric Emergency Department**
Priya R. Gopwani¹, Michael J. Quinn¹, Kathleen M. Brown¹, James M. Chamberlain¹

1. Division of Emergency Medicine, Children’s National Medical Center, Washington, DC, United States.

### P20.
**The Effect of Palliative Care Consultations in End-of-Life Care of Newborns**
Rebecca Carter¹, Nickie Niforatos²

1. Pediatrics Residency, Children’s National Medical Center, Washington, DC, United States.
2. Neonatology, Children’s National Medical Center, Washington, DC, United States.

### P21.
**Signs and Symptoms Associated with Surgical Intervention in Children with Abdominal Pain**
Melissa Tavarez¹, James M. Chamberlain¹, Kathleen M. Brown¹

1. Division of Emergency Medicine, Children’s National Medical Center, Washington, DC, United States.

### P22.
**The Parent Perspective on Return Emergency Department Visits**
Erin M. Augustine¹, Barbara A. Kreling¹, James M. Chamberlain¹

1. Emergency Department, Children’s National Medical Center, Washington, DC, United States.

### P23.
**Lead Testing of Red Blood Cell Products for Pediatric Use**
Mshael Moumina¹, 2, 3, Edward Wong¹, 2, 3

2. Laboratory, Children’s National Medical Center, Washington, DC, United States.

### P24.
**‘Tree-in-Bud’ Appearance on CT Scan of Chest**
Sandhya Samavedam¹, Vimal Ravi¹

1. Internal Medicine, The Wright Center for Graduate Medical Education, Scranton, PA, United States.

### P25.
**Recognizing Factors Associated With Doubling in Creatinine From Baseline in Children Through Automated Adverse Event Detection**
Parag Jain¹, Michael Spader², Brian Jacobs¹, Shamir Tuchman², David Stockwell¹

1. Critical Care, Children’s National Medical Center, Washington, DC, United States.
2. Nephrology, Children’s National Medical Center, Washington, DC, United States.

### P26.
**Dual Stent Migration: Complication Never Reported**
Nivas Balasubramaniam¹, Jalaj Garg¹, Naveen Rawat¹, Savneek Chugh¹, Varun Mittal¹, Banessa Baby¹, Wilbert S. Aronow¹, Stuart Lehrman²

1. Internal Medicine, Westchester Medical Center, Valhalla, NY, United States.
2. Pulmonary and Critical Care, Westchester Medical Center, Valhalla, NY, United States.