



Robert Wood Johnson
Medical School

2021 RWJMS Medical Students Summer Research Symposium

Wednesday, July 28, 2021

Keynote Speaker

Reynold A. Panettieri, Jr., MD

Professor of Medicine, Robert Wood Johnson Medical School

Vice Chancellor, Clinical & Translational Science

Director, Rutgers Institute for Translational Medicine & Science

Emeritus Professor of Medicine, University of Pennsylvania

Organized by: RWJMS Office of Research

LIST OF ABSTRACTS

#	Student	Mentor	Title
1	Lily Adler	William E. Beckerman, MD	Evaluating Neutrophil-to-Lymphocyte Ratio as a Predictive Tool for Post-Operative Outcomes in Patients Undergoing Open Lower Extremity Revascularization Procedures
2	Kemi Alabi & Joseph DeMarzo	Jonathan McCoy, MD	The characterization of emergency department utilization for patients with sickle-cell disease
3	Vineeth Amba	Michael K. Gusmano, PhD, MA	Impact Of The Patient Protection And Affordable Care Act On Disparities In Revascularization
4	Tania Atanassova	Daniel B. Horton, MD, MSCE	The Association Between Antihistamine Exposure and New-Onset Juvenile Idiopathic Arthritis: A Nationwide Analysis
5	Melanie Babi	Michael Lewis, PhD	Environmental Risk as a Predictor of Shame and Pride in Children
6	Benjamin Basseri	Mark Russo, MD, MS	Utilizing Ambulatory Electrocardiogram Monitoring to Reduce Conduction Related Death after Transcatheter Aortic Valve Replacement (TAVR)
7	Adrianna Bella	Jonathan McCoy, MD	Emergency Use Authorization Monoclonal Antibody Therapy and Return Visit Rate for Emergency Department Patients with COVID-19
8	Daniel Brenner	Hai Sun, MD, PhD	Determining the Role of PV Interneurons in Seizure Genesis
9	Russell Caratenuto III	M. Chiara Manzini, PhD	Genotype/Phenotype Correlation in Mutations Causing Congenital Muscular Dystrophy
10	Maria Victoria Castillo	Vinod Rustgi, MD, MBA	Hepatology Biobank Development, Establishment, and Auditing
11	Mary Cawley	William E. Beckerman, MD	Evaluation of Type II Endoleak Repair Outcomes in Patients with Endovascular Repair of Abdominal Aortic Aneurysm
12	Taylor Chiang	Gloria A. Bachmann, MD, MSS	TranZap: An App for Transgender Folks Seeking Gender Affirming Healthcare Providers
13	Erica Comsti	James Coromilas, MD	Prevalence and significance of the malignant early repolarization pattern on the 12-lead electrocardiogram in a diverse in-patient and out-patient population

14	Jennifer Dai	Adrian Balica, MD	Diagnosing Endometriosis using Artificial Intelligence on Ultrasound
15	Nehar Damle	James Coromilas, MD	Prevalence and significance of the malignant early repolarization pattern on the 12-lead electrocardiogram in a diverse in-patient and out-patient population
16	Hayley Donaldson	Amit Singla, MD	Does intracerebroventricular (ICV) delivery of adenosine improve neurological outcomes following induction of subarachnoid hemorrhage (aSAH)
17	Maxwell Everett	Soko Setogguchi, MD, DrPH	Examining the Role of Google Trends in Explaining the Epidemiology of Hypertension in the United States
18	Peter Filtes	Michael Dunn, PhD	Biomechanical Testing of Lateral Meniscus Scaffolds in Human Cadaveric Knees
19	Clare Flanagan	Juana Hutchinson-Colas, MD, MBA	Adherence to Home Blood Pressure Monitoring in New Brunswick Pregnant Women
20	Elizabeth Flatley	Carolyn Heckman, PhD	The Association of Elastosis Perforans Serpiginosa and Genetic Disorders
21	Samantha Fong	Babar K. Rao, MD, FAAP	Monitoring of carbon dioxide laser treated actinic keratoses and non-melanoma skin cancers with reflectance confocal microscopy
22	Daniel Gallagher	Stephen Kayiaros, MD	The Safety of Inpatient Versus Outpatient Hip and Knee Arthroplasty
23	Jasmine Gamboa	Zhiping Pang, MD, PhD	Constructing a peripheral nervous system model: Investigating the interactions between Schwann cells and Schwann cell-induced neurons to improve peripheral nerve injury interventions
24	George Gayed	Malcom Mattes, MD	Assessing Views on Acceptable Informed Consent in Multidisciplinary Care
25	Jennifer Geller	Joshua Bucher, MD, FAAEM	Use of the Word Quiet in the Emergency Department
26	Tyler Goldberg	Cynthia Koziol-White, PhD	Vascular Endothelial Growth Factor (VEGF) 165 Attenuates Formoterol-induced pHSP20 Expression in Human Small Airways and Airway Smooth Muscle (HASM)
27	Madeleine Granovetter	Caroline Coffield, PhD	Experiences of Early Intervention Providers in Referring Children for Autism Evaluation

28	Sean Hong	Salma Jabbour, MD	Pathologic Complete Response as a Prognostic Marker of Survival in Rectal Cancer
29	Monica Hsu	Nancy A. Phillips, MD	The potential role of the dietician/nutritionist in preconception dietary counseling
30	Mehdi Husaini	M. Chiara Manzini, PhD	Establishing Patterns Using a Digging Behavior Discrimination Test in Mice
31	Deshae L. Jenkins	Hari S. Tunuguntla, MD	The Association of Elastosis Perforans Serpiginosa and Genetic Disorders
32	Stephanie Ji	Michael Steinberg, MD, MPH	Physicians' knowledge and beliefs regarding low dose CT for lung cancer screening
33	Najm Khan	Craig A. Bollig, MD	Risk Factors for Sternotomy/ Thoracotomy in Substernal Thyroid Goiters: A Systematic Review
34	Raadhika Kher	Anupama Doraiswamy, MD	An Institutional Retrospective Study of Patient Characteristics, Treatment Patterns, and Outcomes in Adult Patients with Philadelphia-Positive B-cell Acute Lymphoblastic Leukemia
35	Juliana Kim	Eric Singer, MD, MA, MS, FACS	Study of Informed Consent Procedures in Urology
36	Tomohiro Ko	Martin Blaser, MD	Cardiopulmonary Vital Signs upon Hospital Admission Associated with Severe COVID-19
37	N. Deena Korenblit	Laryssa Patti, MD, FACEP	Instagram as an education tool for the emergency medicine clerkship
38	Cooper Lathrop	Adam C. Berger, MD	Can Molecular Analysis Identify Stage II Melanoma Patients at the Highest Risk for Recurrence?
39	Charles Levin	Marc W. Lafonte, MD	The Impact of Stellate Ganglion Stimulation on Exogenous Pressor Requirements During Septic Shock in Weanling Pigs
40	Erica Levin	Martin Blaser, MD	Expression Variation of Urea Transporter Genes in Pregnant, Lactating, and Non-Pregnant, Non-Lactating Mice
41	Pablo Llerena	Craig A. Bollig, MD	Comparison of Complications and Outcomes in Fibula, Scapula, and Osteocutaneous Radial Forearm Free Flaps —A Multi-Institutional Study

42	Joanna Madej	Daniel B. Horton, MD, MSCE	Acid suppressive medication and incidence of chronic childhood immunological diseases: a scoping review
43	Sneha Manikandan	Jeanne Ferrante, MD, MPH	Implementing Lung Cancer Screening Programs in New Jersey: A Qualitative Study
44	Erin McDonnell	Martin Blaser, MD	Understanding Predictive Laboratory Parameters to Aid in COVID-19 Prognosis
45	Sarah McGuire	Daniel B. Horton, MD, MSCE	Relationship between Race/Ethnicity and Time to Diagnosis of Juvenile Idiopathic Arthritis (JIA)
46	Justin Montague	Nur Zeinomar, PhD	Assessing the Validity of Self-reported Weight, Height, and Body Mass Index Among Hispanic and Latina Breast Cancer Survivors
47	David Natanov	Martin Blaser, MD	InterStim® Therapy: A Novel Approach to Restore Bladder Function in Patients with Non-obstructed Urinary Retention
48	Michael Park	Anna Konova, PhD	The intersection of ongoing and cumulative stress: Impact on craving and clinical outcomes in opioid use disorder
49	Kayla Peña	Gloria Bachmann, MD, MMS	Identifying Hurdles to Prenatal Care: Dismantling Stigma Against Pregnancies Complicated by Opioid Use Disorders
50	Jeremy Perrelle	Zhiping Pang, MD, PhD	A Semi-Autologous Graft to Remediate Peripheral Nerve Injury
51	Nicholas Persaud	Zeeshan Ahmed, PhD	Investigating functional and nonfunctional mutations in known human genes among high-risk CVD population
52	Riaad Persaud	Zeeshan Ahmed, PhD	Investigating Metabolomics for Identifying Potential Biomarkers of Inflammatory Bowel Disease
53	Raag Rambhatla	Babar K. Rao, MD, FAAP	Identifying Skin Signs and Patterns in Human Trafficking
54	Giomilsy Ramos	Lakshmi N. Moorthy, MD, MS	A Literature Review: Assessing the Triggers of Periodic Fevers
55	Charmi Rana	Richard Marklin, MD	Evaluating the Need for Patient Navigation Systems to Support Breast Cancer Patient Journeys in Botswana

56	Camille Reeves	Christoph Buettner, MD, PhD	The physiological role of hypothalamic inflammation is to induce counter regulation
57	Pamela Ribeiro	Richard L. Agag, MD	Surgical Outcomes of Same-Day Discharge vs. Overnight Stay in Patients Undergoing Mastectomy and Immediate Prosthetic Breast Reconstruction: A COVID-19 Quality Improvement Project
58	Faryal Rizvi	Malcom Mattes, MD	Development and Evaluation of Educational Content To Improve Patients' Knowledge and Utilization of Palliative Radiation Therapy
59	Bianca Sanabria	Babar K. Rao, MD, FAAP	A Literature Review: Perceptions of Tanning and Systemic Absorption of Sunscreen Ingredients, Influencers of Sunscreen Use
60	Alan Sang	John Noshier, MD	Nonoperative Management and Operative Management of Hepatic Trauma
61	Belquis Shahsamand	Bo Qin, PhD	Neighborhood Social and Built Environment and Mortality Among Black Breast Cancer Survivors
62	Samantha Shave	Nell Maloney-Patel, MD, FACS	Assessing the Geographic Trends of the General Surgery Residency Match during the COVID-19 Pandemic
63	Patricia Shelton	Deborah M. Spitalnik, PhD	Longitudinal Training in Primary Care for Adults with Intellectual and Developmental Disabilities with the Support of Care Coordination in Family Medicine Residency: A Retrospective Survey
64	Anaika Singh	Sara Heinert, PhD, MPH	A Novel HTN Assessment Tool to Measure Hypertension Knowledge in Youth.
65	Hartej Singh	Issac Kim, MD	The Oncological Implications of Prostatic Anterior Fat Pad Lymph Node Metastasis
66	Lucas Smith	Lisa Denzin, PhD	Identification of MHCII pathway proteins as prognostic markers for children with multiple sclerosis
67	Jerry So	Sally Radovick, MD	Metabolomics Study of NICU Persistent Hypoglycemia and Pediatric Growth Hormone Deficiency
68	Avery Tamakloe	Todd Mowery, PhD	A Low Frequency Hearing Animal Model of Noise Induced and Hidden Hearing Loss
69	Ruchi Tejwani	Biren Saraiya, MD	Financial Toxicity in Patients Undergoing Cancer Treatment

70	Akshay Thaper	Eric Singer, MD, MA, MS, FACS	Characterizing Stage-specific Survival for Patients with Unfavorable Histology Wilms Tumor
71	Roshni Thyagrajan	Joseph Hanna, MD, PhD	Identifying Geographic Gaps in Access to Surgical Care in Colombia
72	Krystle Vera	Lawrence Kleinman, MD, MPH	Myocarditis and COVID-19 in Adolescents and Young Adults: Past, Present and Future
73	Usman Zareef	John B. Kostis, MD	Yelp Data on Socioeconomic Variables Predict Adverse Cardiovascular Outcomes
74	Jeffrey H. Xu	Anthony J. Deo, MD, PhD	Virtual Reality Reconstruction of Auditory Hallucinations
75	Michelle Zhao	Jennifer Amico, MD	Exploring perceptions about contraceptive counseling within a diverse urban New Jersey population
76	Wenxin Zhu	Joseph Hanna, MD, PhD	A Preliminary Ecologic Assessment of Access and Service Delivery of Colombian Neurosurgical Services
77	Pasquale Gencarelli	Richard S. Yoon, MD	Fix and Replace (FaR) vs Open Reduction Internal Fixation (ORIF) for Acute Geriatric Acetabular Fractures: A Pilot Study
78	Sirjanhar Singh	Kathleen Beebe, MD	Characterization of Opioid Prescribing Tendencies Amongst Orthopaedic Surgeons: A National Perspective