

# 14<sup>th</sup> Annual Research & Service Symposium

Wednesday, November 6, 2024

**12:00 – 12:50 PM Keynote Address**

Kresge Auditorium

“Empathic Dissonance: The Dissolution of Empathy in  
Medical Education and How We Can Prevent It”



**Ishita Dubey**

3<sup>rd</sup> year Medical Student

[Join Zoom Meeting](#)  
Meeting ID: 941 2703 1933  
Passcode: UCMedCats

**1:00 – 2:00 PM**  
**2:00 – 3:00 PM** **Poster Sessions**

E Level - MSB and CARE/Crawley

Student presenters are assigned to either the first or second hour at  
which time they will be available to discuss their summer projects.

A program  
listing and  
event map  
follow.

Co-sponsored with UCCOM Medical Student Grand Rounds, Research & Industry  
Relations Committee, Internal Medicine Interest Group, and Student Affairs.

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## SESSION 1: 1:00-2:00 PM

BASIC SCIENCE	
Poster #	Presentation Information
139	<u>Assessing the Impact of Microbial Metabolites on Intestinal Barrier Function Using a Human Enteroid Monolayer</u> <b>BALACHANDAR, SARAYU</b> IMSTAR Program, UC Department of Internal Medicine
141	<u>Temporal Dynamics of Neurovascular Coupling in Cortical Spreading Depolarization Following Traumatic Brain Injury in Rats</u> <b>BECKETT, HENRY</b> UC Department of Neurosurgery
143	<u>Developing a PhD Project: Using Single Cell Technologies to Identify Shared and Distinct Drivers in Adult and Pediatric Multiple Sclerosis</u> <b>KIM, ELLIE</b> CCHMC Division of Allergy and Immunology
145	<u>Developing a Laryngotracheal Explant Culture: Challenges and Technical Considerations</u> <b>NIENABER, EMMA</b> Office of Research – Carey & Stella Wamsley Charitable Trust; UC Department of Otolaryngology

## SESSION 1: 1:00-2:00 PM

CLINICAL MEDICINE	
Poster #	Presentation Information
81	<u>NMDARE: CCHMC Case Series versus International Guidelines</u> <b>SCHWIETERMAN, WILLIAM</b> (poster 1) Neuroscience MSSP, CCHMC Division of Neurology
86	<u>Identification of Predictive Factors of Patient Improvement in Pulmonary Rehabilitation for COPD</u> <b>BERRY, MEGAN</b> UC Division of Pulmonary, Critical Care, and Sleep Medicine
88	<u>Implementation Cost of a Web-Based Intervention for Caregivers Following msTBI</u> <b>BUCK, LUKE</b> Emergency Medicine MSSP
89	<u>Charted Vital Signs Compared to Every-1-Minute Data in a Child with Chronic Ventilator Dependence</u> <b>CARTER, SAMUEL</b> SMURRF Program
91	<u>Prophylactic Oral Vancomycin for Prevention of Recurrent Clostridioides Difficile Infection in Pediatric Oncology Patients</u> <b>DEJOHN, ISABELA</b> CCHMC Division of Pediatric Infectious Diseases
93	<u>Dual-Modality Assessment of Pediatric Visual Photosensitivity: Questionnaire and Stimuli-Based Evaluation</u> <b>EMMERT, MARIANNE</b> Division of Pediatric Ophthalmology
95	<u>Effect of Adenotonsillectomy on Circadian Blood Pressure Dysregulation in Obstructive Sleep Apnea</u> <b>GULLAPALLI, THANVI</b> SMURRF Program, CCHMC Division of Pulmonary Medicine
97	<u>Functional Connectivity in Youth At-Risk for Bipolar Disorder: A Functional MRI Social Likeability Study</u> <b>HARRINGTON, COURTNEY</b> Department of Psychiatry and Behavioral Neuroscience
100	<u>Effectiveness of Azithromycin for Treatment of Pityriasis Lichenoides</u> <b>HOLT, ISAIAH</b> CCHMC Division of Pediatric Dermatology
102	<u>Characterizing Invasive Fungal Disease in Relapsed Pediatric Leukemia Patients</u> <b>JAISWAL, SOUMYA</b> CCHMC Division of Pediatric Infectious Diseases
104	<u>Relationship Between Parental Concern About Infant Feeding and Mid-Childhood Obesity</u> <b>KIRBY, JILLIAN</b> CCHMC Division of Biostatistics and Epidemiology
106	<u>The Nature and Impact of Distractions and Interruptions During Telehealth vs In-Person Pediatric Primary Care Visits</u> <b>LEE, SANDY</b> CCHMC James M. Anderson Center for Health Systems Excellence
108	<u>Impact of a Brief, Tailored Eight-Week Mindfulness Intervention for Emergency Department Personnel</u> <b>MACVITTE, KATIE</b> UC Department of Family and Community Medicine, Division of Integrative Medicine

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## SESSION 1: 1:00-2:00 PM

CLINICAL MEDICINE (continued)	
Poster #	Presentation Information
110	<u>Lance-Adams Syndrome: A Complication of Severe Respiratory Acidosis Preceding Hypoxia</u> <b>MCDONALD, KELSEY</b> Neuroscience MSSP, UC Movement Disorders
112	<u>Home-Based Dim Light Melatonin Onset Assessment Among Adults with Obesity: Feasibility and Procedural Considerations</u> <b>MCMILLAN, ELLY</b> UC Department of Psychiatry and Behavioral Neuroscience
114	<u>Increasing HPV Vaccination Rates in the Post-Partum Population</u> <b>METZGER, ANNIE; SCHAEFER, EMMA</b> UC Department of Obstetrics and Gynecology
116	<u>Impact of Social Determinants of Health on Medication Adherence and Outcomes in Adolescents with Moderate to Severe Asthma</u> <b>NOWACK, ANGELICA</b> SMURRF Program
118	<u>Shift of Care Continuum: Does It Have an Impact on Allograft Outcome in Pediatric Kidney Transplant Recipients?</u> <b>PURDON, MICHAEL</b> UC Division of Nephrology and Hypertension
120	<u>Comparing Variability Across Measures of Lung Function: Audio Measures of Lung Function, Pulmonary Function Testing, and Respiratory Muscle Strength</u> <b>REED-DUSTIN, WILLIAM</b> Neuroscience MSSP
121	<u>Operational and Clinical Disparities in the Prehospital Care of Bariatric Patients</u> <b>SCHOTT, HAYDEN</b> UC Department of Emergency Medicine
123	<u>The Impact of Backward and Forward Non-body Weight Supported Treadmill Training on Stroke Patients with Severe Walking Impairments: A Randomized Control Trial</u> <b>NAIDU, SAIPRASAD</b> (poster 1) Office of Research – Carey & Stella Wamsley Charitable Trust; UC Department of Neurology and Rehabilitation Medicine
125	<u>Reproductive Health in Women with Chronic Kidney Disease and Kidney Transplant: A Cross-Sectional Survey Study of US Nephrologists</u> <b>SEMASKA, NEDAS</b> (poster 1) IMSTAR Program, UC Department of Internal Medicine
127	<u>Modification of an Automated Algorithm to Identify Idiosyncratic Drug-Induced Liver Injury in the Electronic Medical Record Increased Its Positive Predictive Value</u> <b>SIMMONS, KYRA</b> Office of Research – Carey & Stella Wamsley Charitable Trust; UC Department of Internal Medicine
130	<u>Reinforcing Standard Ventilator Practices (RSVP): A Multidisciplinary Effort Using Improvement Science to Improve Adherence to Spontaneous Awakening and Breathing Trials</u> <b>SMITH, DAVID</b> UC Division of Pulmonary, Critical Care, and Sleep Medicine
131	<u>Utility of Head Ultrasound in Tuberous Sclerosis Complex</u> <b>STULTZ, SAVANNAH</b> CCHMC Division of Pediatric Neurology
133	<u>Comparing the Accuracy of Surgeon Estimates of Shoulder Range of Motion to Goniometer Measurements</u> <b>SZABO, CAROLINE</b> UC Department of Orthopaedic Surgery
135	<u>Epidemiology of Respiratory Viral Infections in Healthy US Children Enrolled in the PREVAIL to IMPRINT Cohort (PIC)</u> <b>ZAFIROVA, MAIA</b> CCHMC Division of Infectious Diseases
137	<u>Double Trouble or Single Struggle? Anti-GBM Disease With and Without ANCA Vasculitis</u> <b>CLAPP, DYLAN</b> (poster 2) UC Division of Nephrology and Hypertension

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CLINICAL SURGICAL	
Poster #	Presentation Information
20	<u>Assessment of Multidisciplinary Pediatric Tracheostomy Team Interventions and Impact on Accidental Decannulation Rates</u> <b>VANKAYALAPATI, AMULYA</b> (poster 1) Office of Research – Carey & Stella Wamsley Charitable Trust; CCHMC Division of Pediatric Otolaryngology-Head and Neck Surgery

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## SESSION 1: 1:00-2:00 PM

<b>CLINICAL SURGICAL (continued)</b>	
<b>Poster #</b>	<b>Presentation Information</b>
52	<u>Tumor Location Predicts Positive Margins In Excision of Basal and Squamous Cell Carcinomas</u> <b>FREKING, JUSTIN</b> (poster 2) UC Department of Dermatology
56	<u>Adjunctive Use of Gabapentinoids Increases Opioid Consumption Following 1- to 3- Level Anterior Lumbar Interbody Fusion with Posterior Fixation: A Propensity Score Matched Analysis</u> <b>KAGHAZCHI, AYDIN</b> UC Department of Neurosurgery
57	<u>Salvage Brachytherapy in Prostate Cancer: A Retrospective Study of Control Rates and Toxicity in PSMA-PET Confirmed Patients</u> <b>KHANNA, ARUSHI</b> UC Introduction to Oncology Summer Program; The Urology Group, Cincinnati, OH
60	<u>Decreased Risk of Post-Surgical Complications Following Baseline Osteoporosis Treatment in Patients with Lumbar Spondylolisthesis Undergoing 3 or Greater Level Posterior Lumbar Spine Decompression and Fusion: A Propensity Score-Matched Analysis</u> <b>ASHRAF, AHMED</b> (poster 2) UC Department of Neurosurgery
61	<u>Tibial Shaft Fractures and Syndesmosis Combined Injuries: A Retrospective Analysis</u> <b>AYSOLA, VARUN</b> (poster 1) Harvard Orthopaedic Trauma Summer Research Internship, Massachusetts General Hospital
64	<u>Minimally Invasive Colloid Cyst Resection with Expandable Tubular Retractor for Small Ventricular Systems: Morphometric Analysis in 4 Cadaveric Specimens</u> <b>NA, JOHN</b> UC Department of Neurosurgery
65	<u>Incidence of Non-Union Following Double and Triple Ankle Arthrodesis in Conjunction with NSAID Administration</u> <b>OLIVER, PATRICK</b> UC Department of Orthopaedic Surgery
68	<u>Clinical &amp; Radiographic Outcomes Following Elastic Stable Intramedullary Nailing of Pediatric Both-Bone Forearm Shaft Fractures</u> <b>CARTER, MORGAN</b> (poster 2) SMOR Fellowship; CCHMC Division of Pediatric Orthopaedic Surgery
70	<u>Ream-and-Run Procedure in Carefully Selected Patients Leads to Predictable Return to Strenuous Sport and Work</u> <b>MOON, EVAN</b> (poster 2) Cincinnati Sports Medicine Research and Education Foundation; Mercy Health Cincinnati Sports Medicine and Orthopaedic Center
71	<u>Rates of Intraoperative Complications and Treatment Failure with Double Endometrial Ablation</u> <b>RUNNOE, DAVID</b> Women's Health MSSP
74	<u>Optimizing Fixation Strategies for 'B-Type' Pelvic Ring Fractures: Prospective Evaluation of Dynamic Stress Testing</u> <b>TALIWAL, NEAL</b> (poster2) UC Department of Orthopaedic Surgery
75	<u>Character and Frequency of Early Postnatal Resection in Prenatally Diagnosed Congenital Lung Malformations</u> <b>STANIC, PHILIP</b> CCHMC Division of Pediatric General and Thoracic Surgery
77	<u>Postoperative Outcomes and Opioid Use Following Isolated Ankle Fracture Surgery</u> <b>WANG, ZEPING</b> UC Department of Orthopaedic Surgery
79	<u>Quantitative Evaluation of Pelvic Ultrasound to Predict Deep Venous Thrombosis in Patients with Nonthrombotic Iliac Vein Lesions</u> <b>ASSI, ISMAEL</b> (poster 2) University of Michigan Biomedical Engineering and Vascular Surgery
83	<u>Preinjury Antithrombotic Use in Patients with Traumatic Brain Injury Varies by Level of Trauma Center</u> <b>SHONDEL, ROBERT</b> (poster 2) UC Department of Surgery

## SESSION 1: 1:00-2:00 PM

<b>OTHER</b>	
<b>Poster #</b>	<b>Presentation Information</b>
40	<u>Virtual Interviewing for Residency: Applicant Trends at the Institutional Level</u> <b>GUILLORY, DEVIN</b> UC Department of Surgery
41	<u>Forming a Patient and Family Advisory Council (PFAC) for Hypertension</u> <b>HOMOLKA, CAROLYN</b> UC Department of Family and Community Medicine

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## SESSION 1: 1:00-2:00 PM

OTHER (continued)	
Poster #	Presentation Information
44	<u>Integrated Inventory Management System for Disaster Preparedness</u> <b>PATIL, AMEYA</b> Northern Kentucky Department of Health
45	<u>Development and Implementation of a Palliative Medicine Curriculum for Internal Medicine Interns</u> <b>PETTERSON, MICHAEL</b> UC Department of Family and Community Medicine
49	<u>Racial Disparities in Cochlear Implantation and Hearing Aid Usage</u> <b>CHAMOUN, JOSEPH</b> (poster 2) UC Department of Otolaryngology
53	<u>Blood Pressure in the Heart of Northside: Forming an Infrastructure for Hypertension Screening and Education in Cincinnati, OH</u> <b>FUNK, KAITLYN</b> (poster 2) Urban Health Project

## SESSION 1: 1:00-2:00 PM

SERVICE	
Poster #	Presentation Information
24	<u>Improving Resource Accessibility in Clermont County: An Evaluation of the Current Resource Guide and Strategies for Overcoming Barriers to Service Utilization</u> <b>BAY, JAMES</b> Public Health Policy & Research Program, Clermont County Department of Health
25	<u>Integrating Engineering Design with Adaptive Sports: Developing Kayaking Equipment for Spinal Cord Injury Athletes</u> <b>BLADE, ELIZABETH</b> Urban Health Project
28	<u>Live Healthy &amp; Move: Organizing Network for Hope's Annual Health and Wellness Fair</u> <b>GUAN, MEGAN</b> Urban Health Project; Network for Hope Organ Procurement Organization
29	<u>Escalating ICU Cases: Unveiling Trends Among Latino Youth in Cincinnati</u> <b>HEANEY, CLARE</b> Urban Health Project
32	<u>Trauma-Informed Summer Enrichment: Serving Children Experiencing Homelessness at Project Connect</u> <b>NGUYEN, KEVIN</b> Urban Health Project, Project Connect-Cincinnati Public Schools
33	<u>Equitably Distributing Blood Pressure Cuffs and Monitors in Primary Care</u> <b>RAMINI, VYSHNAVI</b> Department of Family and Community Medicine
36	<u>Improving Health Knowledge for Clients in Addiction Recovery</u> <b>VARSHNEYA, AVNI; SUHAS, PRANATHI</b> Urban Health Project, First Step Home
37	<u>Circumventing Communication and Transportation Barriers for Refugees</u> <b>WILCOX, ADAM</b> Urban Health Project, Catholic Charities Southwest Ohio
48	<u>Immigrant Welcome Packet: A Valuable Resource for Latino Immigrants</u> <b>TOTAPALLY, MEGHANA</b> Urban Health Project; UC Department of Family and Community Medicine

## SESSION 1: 1:00-2:00 PM

TRANSLATIONAL	
Poster #	Presentation Information
1	<u>Differential Gene Expression of Fibroblasts in Acute Cellular Rejection in Pediatric Lung Transplant</u> <b>BIEGLER, GRACE</b> SMURRF, CCHMC Division of Pulmonary Medicine
4	<u>The Role of TAK1 in TGF<math>\beta</math>-signaling Dysfunction and Corneal Thinning: Exploring TAK1 as an Interventional Target for TGF<math>\beta</math>-related Corneal Ectasia</u> <b>DAVIS, ALYSSA; LOPEZ, ELIZABETH</b> UC Department of Ophthalmology

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## SESSION 1: 1:00-2:00 PM

<b>TRANSLATIONAL (continued)</b>	
<b>Poster #</b>	<b>Presentation Information</b>
5	<u>The Role of Skin Dysbiosis in the Progression of Pediatric Atopic Dermatitis to Asthma</u> <b>DEREGNAUCOURT, ALEXA</b> SMURRF
8	<u>Machine Learning Prediction of Return to Sport Following Anterior Cruciate Ligament Repair</u> <b>MAYMIR, LUKE</b> UC Department of Orthopaedic Surgery
9	<u>MRI Evaluation of Tracheomalacia Changes in Neonates with Bronchopulmonary Dysplasia</u> <b>MOHANAKRISHNAN, MEGHA</b> CCHMC Division of Pulmonary Medicine
12	<u>Lung Function Improvement Following Highly Effective CFTR Therapy is Related to Mucus Clearance</u> <b>PRATHER, EVAN</b> Office of Research – Carey & Stella Wamsley Charitable Trust; CCHMC Division of Pulmonary Medicine
13	<u>Multimodal Assessment of High-Risk Human Papilloma Virus in Sinonasal Squamous Cell Carcinoma</u> <b>SHARMA, ANISH</b> University of Vermont Larner College of Medicine, Environmental and Public Health Sciences
16	<u>Creation of a C1-2 Prosthetic for Maximal Craniocervical Mobility After Ventral Brainstem Decompression</u> <b>ZACK, ABBY</b> Office of Research – Carey & Stella Wamsley Charitable Trust; UC Department of Neurosurgery
17	<u>Using Machine Learning Methods to Predict Reverse Total Shoulder Arthroplasty Patient Outcomes</u> <b>SHANKAR, SACHIN</b> (poster 1) UC Department of Orthopaedic Surgery
21	<u>Food for Thought: MIND Diet Pilot Education Intervention at NYC-based Older Adult Community Centers</u> <b>ZHANG, CAROLYN</b> (poster 1) MSTAR-NYU, NYU Langone Health

## SESSION 2: 2:00-3:00 PM

<b>BASIC SCIENCE</b>	
<b>Poster #</b>	<b>Presentation Information</b>
3	<u>The Role of Yap1/Taz1 in Corneal Keratocyte Postnatal Development</u> <b>LOPEZ, ELIZABETH; DAVIS, ALYSSA</b> UC Department of Ophthalmology
54	<u>Smad4 Knockout Ameliorates the Progressive Corneal Thinning Caused by Loss of Tbr1</u> <b>FUNK, KAITLYN</b> (poster 1) UC Department of Ophthalmology
80	<u>Genetically-defined Metabolic Response to Estradiol Stimulation Using iPSC-derived Liver Organoids</u> <b>ASSI, ISMAEL</b> (poster 1) CCHMC Division of Gastroenterology, Hepatology and Nutrition; Division of Developmental Biology
84	<u>Murine Vagus Nerve Stimulation Modulates the Serum Biomarker Response to Traumatic Brain Injury</u> <b>SHONDEL, ROBERT</b> (poster 1) UC Department of Surgery
136	<u>NET Driven Human Bronchial Epithelium Inflammation</u> <b>BAIRD, DEVON</b> SMURRF Program
138	<u>Are We in Tune? Testing Greenwood's Function on Cochlear Implant Maps</u> <b>CLAPP, DYLAN</b> (poster 1) UC Department of Otolaryngology
140	<u>Elucidating the Role of Lamin A/C in Muscle Growth and Contractures</u> <b>BARRIOS, DANIELA</b> CCHMC Division of Pediatric Orthopaedics
142	<u>Socioeconomic Deprivation, Skin Alarmin Expression, and Allergic Co-Morbidity Progression in Black and White Children with Atopic Dermatitis</u> <b>DWYER, CAMERON</b> Child and Adolescent Health MSSP
146	<u>Assessing Storage and Thermal Stability of Oxygen Scavenger for Cardioprotection</u> <b>WALLACH, EMILY</b> UC Department of Internal Medicine

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## SESSION 2: 2:00-3:00 PM

CLINICAL MEDICINE	
Poster #	Presentation Information
50	<u>Contribution of Tinnitus Burden and Hearing Loss to Depression in Elderly Populations</u> <b>CHAMOON, JOSEPH</b> (poster 1) UC Department of Otolaryngology
78	<u>Clinical Characteristics of Youth-Onset Type 2 Diabetes by Polygenic Risk Score</u> <b>ALAPPATT, ARIEL</b> Office of Research – Carey & Stella Wamsley Charitable Trust
85	<u>Predictive Factors for NAVA Ventilation as a New Method to Support Infants with Bronchopulmonary Dysplasia (BPD)</u> <b>BENDER, LAURA</b> CCHMC Division of Pulmonary Biology
87	<u>Determining Decision Criteria for Initiation of Dual-Energy X-Ray Absorptiometry Scans in Pediatric Patients with Epidermolysis Bullosa – A Retrospective Chart Review</u> <b>BOLKOVAC, EMMA</b> Office of Research – Carey & Stella Wamsley Charitable Trust; CCHMC Division of Dermatology
90	<u>Early Real-World Insights into Ublituximab (Briumvi) Therapy for Relapsing Remitting Multiple Sclerosis at UC Health</u> <b>COX, BLAKE</b> UC Waddell Center for Multiple Sclerosis
92	<u>Unexplained Dyspnea on Exertion: CPET as a Diagnostic Tool</u> <b>DURBIN, WILLIAM</b> SMURRF Program
94	<u>Evaluating Injury and Illness Patterns at a Remote Residential American Summer Camp with a Focus on Adolescent ADHD and Medication Usage Status</u> <b>FELDKAMP, JOHN; HENDRICKS, MATTHEW</b> UC Department of Family and Community Medicine
96	<u>Assessment of Clinical Presentation for Patients with Angina and Non-Obstructive Coronary Artery Disease and a History of Adverse Pregnancy Outcomes</u> <b>HANSEN, KAIYA</b> IMSTAR Program, UC Department of Internal Medicine; Christ Hospital
98	<u>Organic Solvent Exposure Shaking Things Up: The Link to Atypical Parkinsonism in Comparison to Parkinson's Disease</u> <b>HAUCK, HAILEY</b> UC Department of Neurology and Rehabilitation Medicine
99	<u>Predicting Preterm Birth Risk: Evaluating the Relationship between BMI and Cervical Length</u> <b>HERTZER, LAUREN</b> UC Department of Obstetrics & Gynecology
101	<u>Barriers to Resource Utilization for Caregivers of Pediatric Patients with NOWS</u> <b>JACOBS, GRACE</b> CCHMC NICU Follow-up Clinic
103	<u>Evaluating the Safety and Efficacy Profile of Upadacitinib in Older Adults with Inflammatory Bowel Disease</u> <b>KESSLER, RACHEL</b> MSTAR-NYU; Inflammatory Bowel Disease Center NYU
105	<u>Factors Influencing Quality Improvement Success in Primary Care: A Comparative Case Study of High and Low Performing Sites in Patient Cardiovascular Outcomes</u> <b>KOREN, JADEN</b> UC Department of Family and Community Medicine
107	<u>A Review of Integrative Therapies for Managing Symptoms of Hematological Malignancies</u> <b>LESCALLET, CHRISTEN</b> UC Osher Center for Integrative Health
109	<u>The Effects of Music-Induced Awe on Cognitive Reserve</u> <b>MAHESH, ADITYA</b> UC Department of Neurology and Rehabilitation Medicine; CCM
111	<u>The Role of the Oral Metagenome in Temperature Trajectories of Pediatric Intensive Care Unit Patients</u> <b>MCFADDEN, ERIN</b> CCHMC Division of Pediatric Infectious Diseases
113	<u>Patient Acceptance of Rapid HIV Testing During Targeted Screening in the ED</u> <b>MCMONAGLE, BRIANNA</b> Emergency Medicine MSSP
115	<u>Predictive Model for Cardiovascular Maternal Morbidity Among Pregnant Patients with Cardiovascular Disease</u> <b>MILTENBERGER, EMMA</b> UC Department of Obstetrics and Gynecology
117	<u>Role of Pre-Hematopoietic Stem Cell Transplant CT Scans on Surveillance of Asymptomatic Infection &amp; Air Trapping</u> <b>OBERMARK, TYLER</b> CCHMC Division of Pediatric Radiology

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## SESSION 2: 2:00-3:00 PM

CLINICAL MEDICINE (continued)	
Poster #	Presentation Information
119	<u>Liver Stiffness, Liver Volume, and Spleen Length in Fontan: What is "Normal" and Clinical Correlations</u> <b>RAZAVI, JULIA</b> CCHMC Division of Pediatric Radiology
122	<u>Comparison of Growth and Tolerance in Children with Intestinal Failure Using Elemental Versus Plant-Based Formulas</u> <b>SHIFF, JOSIE</b> CCHMC Division of Gastroenterology, Hepatology, and Nutrition
124	<u>Coats Disease in Females: A Retrospective Descriptive Study of 20 Cases</u> <b>NAIDU, SAIPRASAD</b> (poster 2) UC Department of Ophthalmology
126	<u>Reproductive Health and Contraceptive Use in Women with Chronic Kidney Disease and Kidney Transplant: A Qualitative Study of US Nephrologists</u> <b>SEMASKA, NEDAS</b> (poster 2) IMSTAR Program, UC Department of Internal Medicine
128	<u>Tracheoesophageal High-Speed Imaging: A Pilot Study</u> <b>SINGER, LAYNE</b> UC Department of Otolaryngology
129	<u>Comparison of MRI and Drug-Induced Sleep Endoscopy (DISE) Imaging Modalities in Diagnosing Pediatric Obstructive Sleep Apnea</u> <b>SLIFE, MAEVE</b> CCHMC Division of Pulmonary Medicine
132	<u>Brain Diffusion MRI Biomarkers for Predicting Neurodevelopmental Disorders in High-Risk Preterm Infants</u> <b>SWANZ, LILLIAN</b> SMURRF, CCHMC Division of Pulmonary Medicine
134	<u>Investigating the Safety, Tolerability, and Yield of Electrically-Induced Seizures in Children with Drug-Refractory Epilepsy</u> <b>TARCHA, LUCY</b> CCHMC Division of Pediatric Neurology

## SESSION 2: 2:00-3:00 PM

CLINICAL SURGICAL	
Poster #	Presentation Information
18	<u>Predicting the Need for Intramedullary Nail Interlocking Screw Removal in Orthopedic Trauma Patients</u> <b>SHANKAR, SACHIN</b> (poster 2) UC Department of Orthopaedic Surgery
55	<u>Clinical Characteristics of Spinal Epidural Lipomatosis Requiring Surgical Intervention: A Descriptive Study Employing 2D Borre-Type Assessment</u> <b>DUPONT, DYLAN</b> UC Department of Orthopaedic Surgery
58	<u>Does Smoking Status Impact Post Operative Complications Following Lung Cancer Resection? An Analysis of the National Lung Screening Trial</u> <b>MATHUR, MEERA</b> UC Department of Surgery
59	<u>Does Cognition Status Affect Spine Surgery Outcomes: A Systematic Review and Meta-Analysis</u> <b>ASHRAF, AHMED</b> (poster 1) UC Department of Neurosurgery
62	<u>Factors Associated with Poor Outpatient Compliance After Surgical Management of Acetabular Fractures</u> <b>AYSOLA, VARUN</b> (poster 2) UC Department of Orthopaedic Surgery
63	<u>Long-Term Outcomes of Percutaneous Cholangioscope-Assisted Laser Incision for Treatment of Severe Benign Biliary Stenosis</u> <b>MATHUR, MANAV</b> UC Department of Interventional Radiology
66	<u>Tibial Shaft Fractures with Intraarticular Extension: Comparing Complication Rates for Immediate vs. Delayed Weightbearing Status</u> <b>ROST, KATHRYN</b> UC Department of Orthopaedic Surgery
67	<u>Social Determinants for Same Calendar Day Discharge in Major Foot and Ankle Arthroplasty and Arthrodesis Cases</u> <b>CARTER, MORGAN</b> (poster 1) UC Department of Orthopaedic Surgery
69	<u>Increased Wound Complications in Glabrous Skin with Absorbable Sutures Following Carpal Tunnel and Trigger Finger Release</u> <b>MOON, EVAN</b> (poster 1) UC Department of Orthopaedic Surgery



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## SESSION 2: 2:00-3:00 PM

CLINICAL SURGICAL (continued)	
Poster #	Presentation Information
72	<u>A Pain in the Butt: Incongruency Between Exam Findings and Referral Reasons in Anorectal Visits</u> <b>TEDROS, MATTHIAS</b> UC Division of Colon and Rectal Surgery
73	<u>Outcomes of Posterolateral and Posteromedial Displaced Pediatric Supracondylar Humerus Fractures</u> <b>TALIWAL, NEAL</b> (poster 1) Child and Adolescent Health MSSP; CCHMC Division of Pediatric Orthopaedics
76	<u>Divergence of Functional and Psychological Readiness in Athletes Post ACL Reconstruction</u> <b>VAN TASSEL, LEVI</b> UC Department of Orthopaedic Surgery
82	<u>Long-Term Kidney Allograft Function After Thymoglobulin-Treated Acute Cellular Rejection in a Single Center</u> <b>SCHWIETERMAN, WILLIAM</b> (poster 2) UC Department of Surgery

## SESSION 2: 2:00-3:00 PM

OTHER	
Poster #	Presentation Information
35	<u>UC Bear-CAT Fellowship Program Improves Fellow Confidence in Aiding Youth Populations and Working with an Interdisciplinary Team</u> <b>SUHAS, PRANATHI</b> UC Department of Family and Community Medicine
38	<b>WITHDRAWN</b>
39	<u>Lifestyle and Integrative Medicine for Everyone (LIME), a Longitudinal Medical School Curriculum Thread</u> <b>BEUCLER, ADAM</b> UC Department of Medical Education
42	<u>Recruitment Protocol of Older Adults into a Home Delivered Healthy Meals Intervention With or Without Structured Social Interactions</u> <b>KOZLOWSKI, SOPHIA</b> MSTAR, University of North Carolina at Chapel Hill
43	<u>Navigating the Complexities of Suicide Risk Prediction: Addressing Enrollment and Retention Challenges in Real-Time Psychiatric Research</u> <b>KUBARYCZ, CLAUDIA</b> UC Department of Psychiatry and Behavioral Neuroscience in collaboration with University of Louisville
46	<u>Barriers to Home Blood Pressure Monitoring for Hypertension Management: A Qualitative Literature Review</u> <b>POPHAL, MEGAN</b> Summer Research Fellowship, Department of Family and Community Medicine
47	<u>One-Year Reflections on the RISE Program</u> <b>SIMONS, COLE</b> UC Department of Family and Community Medicine
51	<u>Physician Specialty, Years of Experience, Geographical Region, and Gender Predict Cost of Skin Cancer Procedures Performed on the Medicare Population</u> <b>FREKING, JUSTIN</b> (poster1) Office of Research-Carey & Stella Wamsley Charitable Trust; UC Department of Dermatology

## SESSION 2: 2:00-3:00 PM

SERVICE	
Poster #	Presentation Information
22	<u>Women Leading Health Change Curriculum Enhances Sexual and Mental Health Literacy in Vulnerable Women Populations in Cincinnati, OH</u> <b>ZHANG, CAROLYN</b> (poster 2) Public Health Policy and Research Program
23	<u>Taste the World: International Cooking at Bethany House Services</u> <b>ALAM, NADIA</b> Bethany House Services
26	<u>Facilitating Self-Sufficiency in Vulnerable Communities</u> <b>BOLDT, BRANDON</b> Urban Health Project, Brighton Center

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## SESSION 2: 2:00-3:00 PM

<b>SERVICE (continued)</b>	
Poster #	Presentation Information
27	<u>Adapting Expressive Arts Activities for End-of-Life Care</u> <b>COPE-FINKE, DELLA</b> Urban Health Project
30	<u>Increasing Education and Awareness of Alzheimer's Disease through Outreach and Educational Programs</u> <b>JENKINS, SYDNIE</b> Urban Health Project, Alzheimer's Association
31	<u>Evaluating Refugee Health Status in Northern Kentucky</u> <b>MOJICA, ISAIAH</b> Urban Health Project, Kentucky Refugee Ministries
34	<u>Belterra Racetrack Clinic &amp; Community Resource Map</u> <b>TARIMALA, MUKUND</b> Urban Health Project; Department of Family and Community Medicine

## SESSION 2: 2:00-3:00 PM

<b>TRANSLATIONAL</b>	
Poster #	Presentation Information
2	<u>Peanut Allergy Demographics Via a Multicenter EMR Research Network</u> <b>BOWDEN, JONATHAN</b> CCHMC Division of Biomedical Informatics
6	<u>Community-Generating Elements in a Diabetes Lifestyle Intervention</u> <b>KROLL, RACHEL</b> Closing the Health Gap
7	<u>BRAF-Mutated Acute Myeloid Leukemia (AML) Represents a Distinct, Prognostically Poor Subgroup Enriched in Myelodysplasia-Related (MR-) AML</u> <b>LEE, DARREN</b> Office of Research – Carey & Stella Wamsley Charitable Trust; CCHMC Experimental Hematology and Cancer Biology
10	<b>WITHDRAWN</b>
11	<u>The Effect of NAPE-PLD in the Healing of Pressure Ulcers</u> <b>PINION, JOHN</b> Vanderbilt University; National Institute of Diabetes and Digestive and Kidney Diseases
14	<u>Brain-Based Biomarker in FMR1 Gene Replacement Therapy in Fragile X Syndrome</u> <b>SIEKIERSKI, PEYTON</b> CCHMC Division of Pediatric Psychiatry
15	<u>Genetic and Long Chain Fatty Acid Regulation of Pro-Fibrotic Pathways in a Human Intestinal Organoid Model of Chron's Disease</u> <b>VILLARREAL, RICKY</b> CCHMC Division of Pediatric Gastroenterology, Hepatology, and Nutrition
19	<u>Optimizing AI-Guided Ultrasound for Tracking Airway Landmarks in Challenging Anatomy</u> <b>VANKAYALAPATI, AMULYA</b> (poster 2) UC Department of Otolaryngology-Head and Neck Surgery
144	<u>Nocturnal Pediatric Asthma Exacerbations are Associated with Distinct Epithelial, Circadian, Neuronal, and Inflammatory Networks</u> <b>COMBS, RANDALL</b> CCHMC Pulmonary Medicine

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## Participants

### SESSION 1 1:00-2:00 PM

#### BASIC SCIENCE

- 139. Sarayu Balachandar
- 141. Henry Beckett
- 143. Ellie Kim
- 145. Emma Nienaber

#### CLINICAL MEDICINE

- 81. William Schwieterman (poster 1)
- 86. Megan Berry
- 88. Luke Buck
- 89. Samuel Carter
- 91. Isabela DeJohn
- 93. Marianne Emmert
- 95. Thanvi Gullapalli
- 97. Courtney Harrington
- 100. Isalah Holt
- 102. Soumya Jaiswal
- 104. Jillian Kirby
- 106. Sandy Lee
- 108. Katie MacVitte
- 110. Kelsey McDonald
- 112. Ely McMillan
- 114. Annie Metzger/Emma Schaefer
- 116. Angela Nowack
- 118. Michael Purdon
- 120. William Reed-Dustin
- 121. Hayden Schott
- 123. Saiprasad Naidu (poster 1)
- 125. Nadas Semaska (poster 1)
- 127. Kyra Simmons
- 130. David Smith
- 131. Savannah Stultz
- 133. Caroline Szabo
- 135. Mala Zafroya
- 137. Dylan Clapp (poster 2)

#### CLINICAL SURGICAL

- 20. Anuja Vankayalapati (poster 1)
- 52. Justin Freking (poster 2)
- 56. Aydin Kaghazchi
- 57. Arushi Khanna
- 60. Ahmed Ashraf (poster 2)
- 61. Varun Asyola (poster 1)
- 64. John Ne
- 65. Patrick Oliver
- 68. Morgan Carter (poster 2)
- 70. Evan Moon (poster 2)
- 71. David Runoe
- 74. Neal Tallwal (poster 2)
- 75. Philip Staric
- 77. Zeping Wang
- 79. Ismael Assi (poster 2)
- 83. Robert Shondel (poster 2)

#### OTHER

- 40. Devin Gullory
- 41. Carolyn Hornolka
- 44. Aneya Patil
- 45. Michael Petterson
- 49. Joseph Chamoun (poster 2)
- 53. Kaitlyn Funk (poster 2)

#### SERVICE

- 24. James Bay
- 25. Elizabeth Blade
- 28. Megan Guan
- 29. Claire Heaney
- 32. Kevin Nguyen
- 33. Vyshnavi Ramini
- 36. Avni Varshneya/Pranathi Suhas
- 37. Adam Wilcox
- 48. Meghana Totapally

#### TRANSLATIONAL

- 1. Grace Biegler
- 4. Alyssa Davis/Elizabeth Lopez
- 5. Alexa DeRegnaucourt
- 8. Luke Maynil
- 9. Megha Mohanakrishnan
- 12. Evan Prather
- 13. Anish Sharma
- 16. Abby Zack
- 17. Sachin Shankar (poster 1)
- 21. Carolyn Zhang (poster 1)

### SESSION 2 2:00-3:00 PM

#### BASIC SCIENCE

- 3. Elizabeth Lopez/Alyssa Davis
- 54. Kaitlyn Funk (poster 1)
- 80. Ismael Assi (poster 1)
- 84. Robert Shondel (poster 1)
- 136. Devon Baird
- 138. Dylan Clapp (poster 1)
- 140. Daniela Barros
- 142. Cameron Dwyer
- 146. Emily Wallach

#### CLINICAL MEDICINE

- 50. Joseph Chamoun (poster 1)
- 78. Ariel Alappatt
- 85. Laura Bender
- 87. Emma Bolovac
- 90. Blake Cox
- 92. William Durbin
- 94. John Feldkamp/Matthew Hendricks
- 96. Kalya Hansen
- 98. Hailey Hauck
- 99. Lauren Hertzler
- 111. Erin McFadden
- 103. Rachel Kessler
- 105. Jaden Koren
- 107. Christen Lescalett
- 109. Aditya Mahesh
- 111. Erin McFadden
- 113. Brianna McMonagle
- 115. Emma Miltenberger
- 117. Tyler Obermark
- 119. Julia Razavi
- 122. Josie Shiff
- 124. Saiprasad Naidu (poster 2)
- 126. Nadas Semaska (poster 2)
- 128. Layne Singer
- 129. Maeve Slife
- 132. Lillian Swanz
- 134. Lucy Tarcha

#### CLINICAL SURGICAL

- 18. Sachin Shankar (poster 2)
- 55. Dylan Dupont
- 58. Meera Mathur
- 59. Ahmed Ashraf (poster 1)
- 62. Varun Asyola (poster 2)
- 63. Manav Mathur
- 66. Kathryn Rost
- 67. Morgan Carter (poster 1)
- 69. Evan Moon (poster 1)
- 72. Matthias Tedros
- 73. Neal Tallwal (poster 1)
- 76. Levi Van Tassel
- 82. William Schwieterman (poster 2)

#### OTHER

- 35. Pranathi Suhas
- 38. WITHDRAWN
- 39. Adam Beutler
- 42. Sophia Kozlowski
- 43. Claudia Kubarycz
- 46. Megan Pophal
- 47. Cole Simons
- 51. Justin Freking (poster 1)

#### SERVICE

- 22. Carolyn Zhang (poster 2)
- 23. Nadia Alam
- 26. Brandon Boldt
- 27. Della Copes-Finke
- 30. Sydnie Jenkins
- 31. Isalah Mojica
- 34. Mukund Tarimala

#### TRANSLATIONAL

- 2. Jonathan Bowden
- 6. Rachel Kroll
- 7. Darren Lee
- 10. WITHDRAWN
- 11. John Pinion
- 14. Peyton Siekierski
- 15. Ricky Villarreal
- 19. Anuja Vankayalapati (poster 2)
- 144. Randall Combs



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## THANK YOU!

for the time and effort provided by many in planning, organizing, and executing this event. Without the support of others, this opportunity for our medical students would not be possible.

### Special thanks to...

- ★ Keynote Speaker
- ★ Student Presenters and Mentors
- ★ Reviewers: Faculty, Postdoc/Grad Students, Residents, Alumni, Research Assistants
- ★ Internal Medicine Interest Group
- ★ Research & Industry Relations Committee
- ★ Medical Student Grand Rounds
- ★ Office of Student Affairs
- ★ Office of Medical Student Research
- ★ UCCOM IT
- ★ UCCOM Facilities Management