



(Formerly Lepow Day & Biomedical Graduate Student Symposium)

December 7, 2023

Welcome

Dear Students, Faculty, Trainees, Staff and Guests:

Welcome to the first annual School of Medicine Graduate and Medical Student Research Day. This important event combines two previous endeavors, the Lepow Medical Student Research Day and the Biomedical Graduate Student Symposium (BGSS), into a single opportunity to showcase the many accomplishments of School of Medicine graduate and medical students. We hope that combining these events will facilitate cross-program exchange between medical and graduate students as well as between faculty, trainees and students.

Today—we spotlight research conducted by almost 250 graduate and medical students, presented in oral and poster presentations, as well as the outstanding work of assistant professor in the Department of Biomedical Engineering, Dan Ma, PhD in the keynote address titled "Quantitative MR Fingerprinting, translating advanced imaging technology into clinical impact". The variety of student presentations and Dr. Ma's own work are a testament to the power of translational, clinical, and basic science discovery and the contributions that research across the spectrum have on improving our understanding of biomedical science and improving care for patients.

Organizing a large event takes a team effort. We would like to thank the students, faculty, and staff listed in this program who have contributed to the planning committee, as abstract or presentation judges, moderators and presenters. In addition, we extend our thanks to our internal and external sponsors.

To students who are presenting today, we hope this is the beginning of a rewarding experience in the biomedical sciences and research. For those who are earlier on in their training or attending in the audience, we hope today will inspire you about what you can accomplish in research. We look forward to hearing your presentations at a future SOM Graduate and Medical Student Research Day.

Part of what is so inspiring and important about research is making human connections between people whose ideas might be new and different from your own. In that spirit, we challenge each of you to put down your phone for a moment and talk to someone new today—visit as many posters as possible, ask questions, or otherwise engage across disciplinary or programmatic silos. There is so much to learn, and so many collaborations to be started—these connections are how breakthroughs are made!

Sincerely,

Stan Gerson, MD Dean and Senior Vice President for Medical Affairs Case Western Reserve University School of Medicine

Lia Logio, MD Vice Dean, Medical Education Case Western Reserve University School of Medicine

Marvin Nieman, PhD Vice Dean, Graduate Education Case Western Reserve University School of Medicine

Special Thanks and Recognition

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Xi Chen, Ph.D. Student

Alyssa Hubal, Ph.D. Student

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Kayla Klatt, MSTP Student

Tessa Kosmides, Ph.D. Student

Elaine Liu, Ph.D. Student

Noah Lorincz-Comi, Ph.D. Student

Analisa Taylor, Ph.D. Student

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Param Ramakrishnan, Ph.D., M.S.

Nicholas Ziats, Ph.D.

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Pora Cho, Medical Education

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| Christina | Cheng, MD | Associate Professor, Orthopedics, University Hospitals |
| Colleen | Croniger, Ph.D. | Associate Professor, Department of Nutrition, SOM |
| | | Assistant Dean for Basic Science Education, SOM |
| Jacqueline | Curtis, Ph.D. | Associate Professor, Department of Population and Quantitative Health Sciences, SOM |
| Douglas | Gunzler, Ph.D., M.A. | Associate Professor, Department of Medicine, CWRU at The MetroHealth System |
| Rosa K. | Hand, Ph.D., RDN | Associate Professor, Department of Nutrition, SOM |
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| Thomas Kelley, Ph.D. | | Professor, Department of Genetics and Genome Sciences, SOM |
| Raymond | Liu, MD | Professor of Orthopedics & Pediatrics, University Hospitals |
| Donald | Mann, MD | Clinical Associate Professor of Neurology, SOM |
| John | Marino, MD | Infectious Disease |
| James | Newman, MD | Clinical Assistant Professor of General Medical Sciences, Center for Medical Education, CWRU |
| Parameswaran | Ramakrishnan, Ph.D., M.S. | Associate Professor, Department of Pathology, SOM |
| Arlene | Rosenberg, MD | Associate Professor, Department of Dermatology, MetroHealth |
| Ashleigh | Schaefler, Ph.D. | Associate Professor, Department of Genetics and Genome Sciences, SOM |
| David Sholiton, MD | | Clinical Assistant Professor of Ophthalmology, SOM |
| Rosanna | Watowicz, Ph.D., RDN | Assistant Professor, Department of Nutrition, SOM |
| Monica | Yepes-Rios, MD, FACP | Associate Professor of Medicine, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University |
| Nicholas | Ziats, Ph.D. | Professor, Department of Pathology, SOM |

Faculty Presentation Reviewers (as of 11/29/23)

| | Faculty Name | | Affiliation |
|------------|-----------------|---------|-----------------------------|
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Schedule of Events

School of Medicine Graduate and Medical Student Research Day December 7, 2023

| 8:00 am - 9:30 am | Breakfast and Morning Poster Session | Ballroom AB | Poster titles and |
|--------------------|---|--------------|---------------------|
| | | | authors on pages |
| | | | 11-16 |
| 9:00 am - 11:00 am | Morning Oral Presentations | Ballroom C | Presentation titles |
| | Moderator: Marvin Nieman, PhD | | and authors on |
| | | | page 9 |
| 11:00 am-11:30 am | Break to pick up box lunch | TVUC upper | |
| | | lobby | |
| 11:30 am | Dean's Welcome | | |
| | Speaker: Dean Stanton Gerson, MD | | |
| 11:40 am | Keynote speaker introduction | Ballroom C | |
| | Speaker: Daniel Simon, MD | (overflow | |
| 11:45 am -12:45 pm | Keynote address "Quantitative MR | viewing in | Speaker |
| | Fingerprinting, translating advanced | Ballroom AB) | biography on page |
| | imaging technology into clinical impact" | | 8 |
| | Speaker: Dan Ma, PhD | | |
| 12:45 pm | Morning Student Awards | | |
| | Presenter: Bill Schiemann, PhD | | |
| | | | |
| | Morning Mentor Awards | | |
| | Presenter: Noah Lorincz-Comi, PhD Student | | |
| 1:00 pm - 3:00 pm | Afternoon Oral Presentations | Ballroom C | Presentation titles |
| | Moderator: David Lodowski. PhD | | and authors on |
| | | | page 10 |
| 2:30 pm-4:00 pm | Snacks and Afternoon Poster Session | Ballroom AB | Poster titles and |
| | | | authors on pages |
| | | | 17-23 |
| 4:00pm | Closing remarks | Ballroom C | |
| | Speaker: Lia Logio, MD | | |
| 4:05 pm | Afternoon Mentor Awards | Ballroom C | Don't forget to |
| | Presenter: Analisa Taylor, PhD student | | evaluate the |
| | | | event; page 24 |
| | Afternoon Student Awards | | |
| | Presenter: Grace McComsey, MD | | |

Access full text of abstracts via the QR code below



Keynote Speaker 11:45 AM-12:45 PM Ballroom C

Dan Ma, Ph.D.

Assistant Professor

Department of Biomedical Engineering



Keynote Lecture

"Quantitative MR Fingerprinting, translating advanced imaging technology into clinical impact."

Dr. Dan Ma is an Assistant Professor in the Department of Biomedical Engineering at Case Western Reserve University. Dr. Ma's research focuses on the development and clinical translation of innovative quantitative MRI technology.

As the key inventor of MR Fingerprinting and the first author of the seminal MRF paper published in Nature, Dr. Ma has made significant contributions in making quantitative MR Fingerprinting fast and robust for various clinical applications. In partnership with the industry, Dr. Ma is also actively working on translating the MRF technology into a product to become a clinical routine.

Dr. Ma is a Junior Fellow, a Young Investigator Awardee, Chair of the quantitative MR study group in the International Society of Magnetic Resonance in Medicine and a Senior Member of the National Academy of Inventors

Morning Oral Presentations 9:00AM-11:00AM

Ballroom C

Moderator: Marvin Nieman, PhD

| # | Last Name | First Name | Academic Program ^a | Abstract Title |
|---|------------|---------------|----------------------------------|--|
| 1 | Mittman | Benjamin | MSTP | A Novel Risk Assessment Model Predicts Bleeding Risk at Admission in Medical Inpatients |
| 2 | Wong | Mandy | MD-UP | The DATI Neuroprocessor: A Conserved Molecular Blueprint that Enables Neurons to Make Mating Decisions in Drosophila |
| 3 | Kumar | Yash | MD-UP | Cross-Sectional Analysis of the Impact of Humidity on Acitretin Prescription Patterns Among Medicare Providers from 2013 to 2019 |
| 4 | Baker | Jumaa | MDUP | A Prospective, Double-Blinded, Randomized Controlled Trial of an Acellular Amnion-Derived Allograft Injection Comparing Two Doses (1cc and 2cc injection) and a Placebo in the Treatment of Osteoarthritis of the Knee |
| 5 | Damico | Sophia | Master's | Estimated Brain Size and Endocranial Anatomy of an Extinct Bolivian Marsupial |
| 6 | Filippazzo | Jesse | MDUP | Examination of the impact of commonly used artificial sweeteners on platelet reactivity |
| 7 | Maytin | Alexander | MDUP | Injection site pain correlates with punctate pressure threshold measured by a force sensor device: a pilot study |
| 8 | Browne | Danielle | PhD program | Distinct cortical tau seeds differentiate primary age-related tauopathy and Alzheimer's disease |

a- program abbreviations: MD—UP: CWRU University Program for MD degree; MD—CP: CWRU/CCLCM College Program for MD degree; MSTP: Medical Scientist Training Program MD/PhD program

Afternoon Oral Presentations 1:00PM-3:00PM Ballroom C

Moderator: David Lodowski, PhD

| # | Last Name | First Name | Academic Program ^a | Abstract Title |
|---|------------------|------------|----------------------------------|--|
| 1 | Benske | Taylor | PhD program | N-methyl-D-Aspartate Receptors' proteostasis is modulated by autophagic flux |
| 2 | Mehta | Seysha | MDCP | Performance of Generative AI on Medical School Reasoning-Based Essay-Type Questions |
| 3 | Yazji | Isabella | MDUP | Comparison of Surgical Outcomes between Trainee and Staff Surgeon-performed Medial Rectus and Lateral Rectus Recession |
| 4 | Afolabi | Susan | PhD program | Development and characterization of a novel anti-Factor H nanobody as a complement agonist |
| 5 | Hysore | Chloe | Master's program | Revitalizing Treatment Strategies for Rhabdomyosarcoma: Exploring the Potential of Cryoablation in Immune Modulation |
| 6 | Donthi | Sriya | MDUP | Intrapartum and 30-day postpartum complications in pregnancies with antenatal COVID-19 infection |
| 7 | Friedl | Sophia | MDUP | Racial and Ethnic Representativeness of Orthopedic Clinical Trials Between 2007 and 2022 |
| 8 | Shearn- Nance | Galen | MDUP | Comparing Outcomes in Breast Cancer Treatment Between Fee-For- Service and Medicare Advantage Patients |

a- program abbreviations: MD—UP: CWRU University Program for MD degree; MD—CP: CWRU/CCLCM College Program for MD degree; MSTP: Medical Scientist Training Program MD/PhD program

Morning Poster Presentations 8:00 AM-9:30 AM Ballroom AB

| # | Last Name | First Name | Academic Program | Abstract Title |
|----|--------------------|--------------------|---------------------|---|
| 1 | Schindler | Joseph | MSTP | Redox Regulation of Nuclear Export |
| 2 | De León Cordero | Dayanlee | Master's | The Effect of Drp1 Patient Mutations on Partner Protein Interactions and Mitochondrial Fission |
| 3 | Qiu | Anqi | Master's | UPR dependent protein trafficking in HepG2 cells. |
| 4 | Park | Huijun (Edelyn) | PhD | Role of Platelet Microparticles in Fibromuscular Dysplasia |
| 5 | Hetzel- Ebben | Hannah | MDUP | Sex-Based Differences in Left Ventricular Remodeling between Aortic Regurgitation, Aortic Stenosis and Mitral Regurgitation |
| 6 | Maigrot | Jean-Luc | MDUP | Concomitant Left Atrial Appendage Clip Placement During Cardiac Surgery: A Nationwide Propensity Matched Analysis |
| 7 | Durig | Dorian | PhD | Evaluating CAR-T Cells Labeled with Nanobubbles Using Nonlinear Contrast-Enhanced Ultrasound Imaging |
| 8 | Suresh | Abhirami | PhD | Metabolically active CAR – macrophages for treatment of lymphoma |
| 9 | Zarouk | Alexander | Master's | Generating a Microphysiological System for the Human Glomerulus |
| 10 | Li | Suzhou | PhD | Restoring Plantar Sensation Improves Recovery from Stumbles in Individuals with Lower Limb Loss |
| 11 | Labrozzi | Gabrielle | PhD | Center of Mass Estimation for Gait Control After Spinal Cord Injury |
| 12 | Yang | Kevin | PhD | Posterior Tibial Nerve Stimulation in Swine Using an Injectable Electrode |
| 14 | Thomas | Kaden | MDUP | Sun Protective Behaviors and Beliefs among Parents of Youth Athletes in Rural and Urban Ohio |
| 15 | Xu | Katie | MDUP | Language of Skin Bleaching in Reddit Discussion Posts: A Cross-Sectional Study |
| 17 | Vaccarello | Annalise | MDUP | Risk Factors Associated with the Development of Vulvar Malignancy from Lichen Sclerosus |
| 18 | Wilkowski | Caroline | MDUP | Investigating Visual Preferences of Clinical Mechanical Anesthetic Vibration: A cross-sectional image survey |
| 19 | Liu | Yining | PhD | Characterization of Telomere Length in Alzheimer Disease in the Midwestern Amish |
| 20 | Bobbitt | Jessica | PhD | Targeting the mitotic kinase NEK2 potentiates CDK4/6 inhibitor efficacy in triple negative breast cancer |
| 21 | Michicich | Margaret | PhD | A W1282X cystic fibrosis mouse model for screening in vitro treatment strategies |
| 23 | Jain | Amish | MDUP | Investigating Student and Faculty Motivations Regarding Medical School Lectures vs Third-Party Resource Engagement |
| 24 | MacWilliams | Jessica | MDCP | Latching Medical Students onto a Virtual Breastfeeding Elective During the COVID-19 Pandemic |
| | | | | |

| # | Last Name | First Name | Academic Program | Abstract Title |
|----|-----------------|------------|---------------------|---|
| | | | | |
| 25 | Та | Anjali | MDUP | Sex-Stratified Differences in Asthma Exacerbation due to β -blocker Therapy |
| 26 | Durodoye | Razaq | MSTP | Evidence of potential natural selection in African Americans |
| 27 | Gasnick | Allison | MDUP | Understanding Social Drivers of Health in Trauma Patients: Implications for a Comprehensive Care Clinic |
| 28 | Amkraut | Ruthy | MDUP | Factors Affecting Mental Health Outcomes Among LGB Youth |
| 29 | Patel | Sajan | MDUP | Prostate Specific Antigen Testing Patterns and Prostate Cancer Stage at Diagnosis in Ohio Cancer Patients |
| 30 | Yerabandi | Nikhila | MDUP | The Effect of Geographic Disparities on Prostate Cancer Aggressiveness |
| 31 | Bai | Jessica | MDUP | Risk of heart disease mortality after primary cancer site surgery |
| 32 | Srivastava | Meha | MDUP | Accessibility, Feasibility, and Perceived Benefit of Group Acupuncture Service for Oncological Patients in an NCI- Designated Comprehensive Center |
| 33 | Amin | Radhika | MDUP | Intracerebral Hemorrhage Risk in Patients with Primary Brain Tumors Taking Direct Oral Anticoagulants as Compared With Low Molecular Weight Heparin |
| 34 | Corella | Sofia | MSTP | The Impact of Traumatic Brain Injury on the Hematopoietic System |
| 35 | Wang | Stephen | MSTP | Defining features of the neoantigen-specific T cell response against a common EGFR mutation in lung cancer |
| 36 | Rajaram Siva | Nandini | PhD | Anti-CD47 and Anti-PDL1 immunotherapy synergize for anti- tumor activity in preclinical models of head and neck cancer |
| 37 | Wang | Sabrina | MSTP | Around the ferrous wheel: Lipocalin-2 intrinsically drives glioblastoma growth |
| 39 | Tabernacki | Tomasz | MDUP | Gallbladder Disease in Transgender Individuals: Associations with Gender-Affirming Hormone Therapy |
| 40 | Papich | Theresa | MDUP | Predictors of Successful Non-Endoscopic Screening for Pre- Malignant Esophageal Changes in Patients with GERD |
| 41 | Gao | Farrah | PhD | Understanding the mechanism of 15-PGDHi-induced colon tissue regeneration for therapeutic treatment of ulcerative colitis |
| 42 | Frazier | Madison | MDUP | Effect of an Odd-Chain Saturated Fatty Acid on Gut Homeostasis in Experimental Crohn's Disease |
| 43 | Mody | Akash | PhD | Characterizing KSHV viral particles for Infection Models |
| 44 | Lyons | Renae | MDUP | Using novel co-culture to evaluate systemic T cell -intestinal epithelial cell interactions in ulcerative colitis |
| 45 | Rahman | Atikur | PhD | C646 acts as a potential molecular glue degrader by directly targeting XPO1 to induce degradation |
| 47 | Zadeh | Arman | MDUP | A pan-cancer computational analysis for the rational design of miRNA therapy combinations preferentially targeting the EGFR pathway |

| # | Last Name | First Name | Academic Program | Abstract Title |
|----|-----------|------------|---------------------|---|
| 48 | Dolson | Conor | MDUP | Preventive Management of Lambl's Excrescences as a Cause of Stroke in a Young Patient: A Case Report and Literature Review |
| 49 | Nyati | Anda | MDUP | Characterizing the burden of allergies in multiple sclerosis |
| 50 | Sarin | Shlok | MDUP | Prevalence of Somatic Symptom and Related Disorders at a Tertiary Neuroimmunology Clinic |
| 52 | Xiong | Ying | MSTP | Pathological Inflammation Induces Distinct Oligodendrocyte Progenitor Cell Functional States |
| 53 | Williams | Marnie | PhD | Investigating the effect of GABRA1 frameshift mutations on GABAAR function |
| 54 | Basu | Bijoya | MSTP | Asprosin Signaling in the Cerebellum Modulates Associative Memory |
| 56 | Meade | Seth | MDCP | Development of a Resource Utilization in Spine Healthcare (RUSH) Grouping to Complement Patient-Reported Outcome Measurements in Assessing Surgical Success |
| 57 | El-Abtah | Mohamed | MDUP | Outcomes after the Surgical Evacuation of Traumatic Acute Subdural Hematomas: The tASDH Risk Score |
| 59 | Anil | Johanis | MDUP | Risk of Audiologic Side Effects with Teprotumumab Treatment for Thyroid Eye Disease: Propensity Matched Analysis |
| 60 | Jeong | Hejin | MDUP | Investigating the Relationship Between Lipid-lowering Agents and the Complications of Diabetic Retinopathy |
| 61 | Foster | Michael | MDUP | Prevalence and Diversity of Retinal Disease in Adults with Down Syndrome |
| 62 | Jeppesen | Bridger | MDUP | Pathological Implications of ILK in Primary Open-Angle Glaucoma |
| 63 | Murali | Archana | MDUP | Bimatoprost Induction of Lymphangiogenesis as a Potential |
| 64 | Bhutada | Isha | MDUP | Mechanism of Sustained Intraocular Pressure Reduction Contributions of fixational instability, nystagmus and visual deficit severity to reading performance in amblyopia. |
| 65 | Liu | Brian | MDUP | The incidence, time to development, and risk factors for fellow eye retinal vein occlusions |
| 67 | Chu | Jeffrey | MDUP | Characterization of prevalence of ocular comorbidities and risk of legal blindness across the United States |
| 68 | Fung | Kevin | MDCP | Investigating the Role of Mitochondria in the Pathophysiology of Retinopathy of Prematurity |
| 69 | Kailar | Roshni | MDUP | Long-Term Functional and Anatomical Outcomes of Early and Limited Responders to Anti-VEGF in Retinal Vein Occlusion |
| 70 | Haraguchi | | MDUP | Stent Placement Outcomes of Pediatric Down Syndrome Patients with Congenital Nasolacrimal Duct Obstruction |
| 71 | Abbass | Nadia | MDUP | Evaluation of Success and Reoperation in Surgical Management of Dissociated Vertical Deviation |

| # | Last Name | First Name | Academic Program | Abstract Title |
|----|---------------------|------------------|---------------------|---|
| 72 | Grenell | Allison | PhD | Metabolic Adaptations in RPE Cells: The Role of Biomechanical Stiffness |
| 74 | Christian | Ong | MDUP | Fluoroscopy-based Robotics in Total Hip Arthroplasty Mitigates Laterality-based Differences in Acetabular Cup Placement when Compared to Manual, Fluoroscopic-assisted Technique |
| 75 | Guyler | Maura | MDUP | Changes in Orthopedic Prescribing Patterns of Gabapentin Associated with State Prescribing Restrictions: A Large Database Study |
| 76 | Laungani | Dev | MDUP | Optimizing the Administration of Tranexamic Acid in Simultaneous Bilateral Total Knee Arthroplasty: A Comparison of Dosing Protocols |
| 77 | Mandavalli | Akhil | MDUP | Is Government or Industry Funding Associated with Increased Researcher Citation Metrics?: A Pilot Study |
| 79 | Scariano | Gabrielle | MDUP | Exploring Tribology and Material Contact Science in Spine Surgery: Implications for Implant Design |
| 80 | Burns | Madison | MDUP | Reported Outcome Measures in Complex Elbow Dislocations: A Systematic Review |
| 81 | Richards | Alexander | MDUP | Can Serial Height Measurements in Modern Children be Used to Develop and Update Skeletal Maturity Systems? |
| 82 | Cedeno | Edgar | MDUP | Orthopaedic Journals on the Rise: A Comprehensive Analysis of Impact Factor Trends Between 2016 and 2021 |
| 84 | Raju | Akash | MDUP | Does the treatment of periprosthetic distal femur fractures with retrograde intramedullary nailing cause iatrogenic instability in total knee arthroplasty? |
| 85 | Winter | Ethan | MDUP | Cemented versus Press-Fit Acetabular Fixation in Oncologic Reconstruction |
| 86 | Su | Marie | MDUP | Impact of Novel Chemotherapeutic Treatments on Outcomes of Metastatic Renal Cell Carcinoma in the Extremities |
| 89 | Paul | Adhayana | MDUP | Evaluation of Clinical Utility of Triple Endoscopy in Pediatric Aerodigestive Patients Diagnosed with Aspiration on Modified Barium Swallow (MBS) |
| 90 | Syphan | Thomas | MDUP | The Effect of HPV Vaccination on Incidence of Oropharyngeal Squamous Cell Carcinoma and Current Trends in HPV Vaccination: A Descriptive Analysis |
| 91 | Sandhu | Avinaash Kaur | PhD | Determining the Antigen Specificity and TCR Repertoire of Circulating Memory CD4+ T-cells that recognize macrophages infected with Mycobacterium tuberculosis using Limiting Dilution Cloning |
| 93 | Kamath | Nisha | PhD | Large-scale Functional Characterization of the STIM1 Calcium Binding cEF-hand to Identify Novel Protein Variants |
| 94 | Torres- Maisonet | Alexandra | PhD | The combination of an EGFR tyrosine kinase inhibitor with anti- Toxoplasma gondii antibiotics cooperate to stimulate autophagic killing of the parasite and control of toxoplasmosis |

| # | Last Name | First Name | Academic Program | Abstract Title |
|-----|----------------------|------------|---------------------|---|
| 95 | Paxitzis | Alexandra | Master's | Assessment of Immune Correlate Kinetic Decay Against SARS-CoV-2 in Nursing Home Residents |
| 96 | Sanders | Kelsey | MDUP | Clinicopathological Features and Impact of Race on Male Breast Cancer, an Institutional Review. |
| 98 | Miller | Margaret | MDUP | Association between COVID-19 and New-Onset Type 2 Diabetes Diagnoses in Pediatric Patients ages 10-19 from 2020- 2022 |
| 99 | McAnulty | Tatiana | MDUP | Feasibility Study of Functional Immune Endotyping of Pediatric Respiratory Failure Patients using Saved Clinical Lab Whole Blood |
| 100 | Ghosalkar | Esha | MDUP | High-risk perinatal nurses reports of parents' learning needs before NICU admission |
| 101 | Kendrick | NaShea | PhD | Cathepsin G Potentiates Biased Signaling through Protease Activated Receptor 4 |
| 102 | Encarnacion Lopez | Gabrielys | PhD | Biophysical Studies of Alzheimer's Disease Related Proteins in the Presence of Green Tea and Turmeric |
| 103 | Taylor | Lauren | MDUP | Investigating the utility of modified National Early Warning Score at time of Emergency Department admission to predict ICU transfer within 12 hours of admission |
| 104 | Cantu- Weinstein | Ashley | MDUP | Mental Health Impacts of COVID-19 Infection During Delivery |
| 105 | Suratkal | Jessica | MDUP | Availability and Characteristics of Hemp-Derived Psychoactive Cannabis Products: A Pilot Study in Cleveland, OH |
| 106 | Girardot | Jeffrey | MDUP | Extracellular matrix enterocutaneous fistula plug placement: an IR-guided procedure for fistulae refractory to care |
| 108 | Wood | Beverlee | PhD | Proteolytic cleavage of PR-B as a mechanism for functional progesterone withdrawal |
| 109 | Van Dorn | Chloe | MDUP | Reciprocal IVF: How Often Is It Being Included On SART Member Websites? |
| 111 | Whitmore | Victoria | MDUP | What is the Diagnostic Utility and Common Findings Present in Imaging of Hip Abductor Tears? |
| 112 | Bailey | Lauryn | MDUP | Facility Hepatopancreatobiliary Volumen & Textbook Oncologic Outcomes After Pancreatic Ductal Adenocarcinoma |
| 113 | Hoenig | Samuel | MDUP | Managing the cyanotic neonate with Tetralogy of Fallot: primary repair, surgical shunt, or transcatheter stent? - A Decision Analysis |
| 114 | Manyak | Grigory | MDUP | Beyond Standard Lobectomy: A Critical Examination of Extended Lobectomy in Non-Metastatic Non-Small Cell Lung and their Impact on Survival and Morbidity |
| 116 | Loria | Matt | MDUP | One Survey Fits All? Evaluating Sexual Well-Being Surveys Designed for Cis Men in Trans Men Post Gender Affirming Genital Surgery |
| 117 | Weinstein | llon | MDUP | Leveraging Single Cell RNA Sequencing of Semen to Improve Prostate Cancer Diagnosis |

| # | Last Name | First Name | Academic Program | Abstract Title |
|-----|-----------|------------|---------------------|---|
| 118 | Millot | Jack | MDUP | Major Complications and Adverse Events of SpaceOAR Hydrogel: An Analysis of the Manufacturer and User Facility Device Experience Database |
| 119 | Hua | Vivian | MDUP | Satisfaction with Penile Prosthesis Implantation among Patients with Peyronie's Disease Using a Contemporary Questionnaire |
| 120 | Gilbert | David | MDUP | Efficacy of DVIU versus Balloon Dilation to Treat Recurrent Urethral Stricture Following Failed Urethroplasty |

a-Some boards have intentionally been left blank, leaving non-consecutive poster numbers. b- program abbreviations: MD—UP: CWRU University Program for MD degree; MD—CP: CWRU/CCLCM College Program for MD degree; MSTP: Medical Scientist Training Program MD/PhD program

Afternoon Poster Presentations 2:30 PM-4:00 PM Ballroom AB

| # | Last Name | First Name | Academic Program ^b | Abstract Title |
|----|-----------------|------------|----------------------------------|---|
| 1 | O'Neill | Steven | MDUP | Imaging the Carotid Sinus Nerve via MicroCT |
| 2 | Hu | Lucille | MDUP | Effect Of Autologous Blood Collection On Blood Product Transfusion In Patients Undergoing Repeat Cardiac Surgery |
| 3 | Peng | Emily | MDUP | Erector Spinae Plane Block versus Quadratus Lumborum Block for Open Abdominal Surgeries: A Retrospective Study |
| 4 | DeAngelo | Lydia | MDCP | A Multicenter SCMR Registry study: Sex-based differences in left ventricular remodeling and event-free survival of chronic aortic regurgitation patients |
| 5 | lyer | Meghana | MDCP | Heart Failure with Reduced Ejection Fraction Predisposes to Major Bleeding Events and Mortality in Patients Undergoing Percutaneous Coronary Intervention |
| 6 | Zhu | Yibei | MDUP | Surgical or Transcatheter Pulmonary Valve Replacement, Which is the Best Lifetime Option? – A Decision Analysis |
| 7 | Thai | Glory | MDUP | Dementia caregiver experiences: insights from a telephone-based support program |
| 8 | Raja | Neelufar | MDUP | Read All About It: The Implementation of a Book Club in a Medical Workplace Setting |
| 9 | Bhatty | Maira | MDUP | Ethnic Disparities in Relative Prognosis and Site of Metastasis from Cutaneous Melanoma |
| 10 | Nguyen | Trina | MDUP | Intralesional Cryotherapy for Keloid Treatment - Patient Satisfaction and Clinical Outcomes |
| 11 | Henry | Herrera | MDUP | Extra-Large defects in Mohs Micrographic Surgery |
| 12 | Curtis | Kristen | MDUP | Establishing Consensus for Mohs Micrographic Surgical Techniques in the Treatment of Melanoma for Future Clinical Trials: A Modified Delphi Study |
| 13 | Ofori- Darko | Afua | MDUP | Racial Disparities In Cardiovascular Outcomes And Serum Lab Values In Hidradenitis Suppurativa: A Bivariate Analysis |
| 14 | Epstein | Samantha | MDUP | A Technical Note for Associating Microbial Communities with Delayed Wound Healing of the Leg after Cancer Excision |
| 15 | Hill | Marc | MDUP | Scarring Alopecia Management & Referral Practices in African American Hair Stylists |
| 16 | Yang | Yang | PhD | Nanoparticle Catalyst Inhibition on Pheomelanin Synthesis for Melanoma Prevention |
| 17 | Saadah | Malaak | MDUP | Socioeconomic Barriers Associated with Abbreviated MRI for Breast Cancer Detection in Northeast Ohio |

| # | Last Name | First Name | Academic Program | Abstract Title |
|----|--------------|------------|----------------------------------|---|
| 18 | Currey | Danielle | MDUP | Quantifying diagnostic uncertainty in sepsis: Observational validation of a multidimensional clinical decision support construct |
| 19 | Thierheimer | Marisa | MDUP | Assessment of role for CD55 in tissue regeneration downstream of 15-PGDH inhibition |
| 20 | Wilfand | Danielle | MDUP | Effects of Lineage-Specific Deletion of ER α and ER β in Tregs on the Develoent of Colonic Inflammation in Mice Challenged with DSS |
| 21 | Choi | Monica | MDUP | The impact of pharmacist direct messaging of H. pylori NGS assay results on prescription of appropriate treatment |
| 22 | Christ | Anastasia | MDUP | Impact of Physician-Recommended Interventions on Subsequent Colonoscopies after a Poor Bowel Preparation |
| 23 | Zhang | Xueyi | PhD program | An X Chromosome Transcriptome Wide Association Study Implicates ARMCX6 in Alzheimer's Disease |
| 24 | Asante | Yaw | PhD program | The activation domain of PAX3-FOXO1 helps recruit CBP/P300 and drives cancer progression in fusion-positive rhabdomyosarcoma |
| 25 | Lim | Euyn | MDUP | Prevalence of reclassification of variants of uncertain significance following genetic testing for kidney disease |
| 26 | Chen | Andy | MSTP | Developing 3D human brain organoids to model microcephaly epilepsy and diabetes syndrome (MEDS) |
| 27 | Ingles | Natasha | MSTP | Loss of the shelterin complex protein TPP1 induces epithelial to mesenchymal transition phenotypes |
| 28 | DaCosta | Carly | Master's program | Genetics and postpartum depression in African American women |
| 29 | Curry | Caleb | MDUP | Disparities in Pediatric Trauma Reinjury: Guiding Intervention Develoent through the Examination of Community-level Determinants, 2019-2023 |
| 30 | Leng | Jessica | MDUP | Impact of Socioeconomic Factors on Allogeneic Stem Cell Transplant Outcomes |
| 31 | Dillan | Meghan | MDUP | The Effect of Social Determinants on Cardiac Arrest and Prearrest Care Patterns |
| 32 | Guo | Emily | MDUP | Racial/Ethnic Disparities in Colorectal Cancer Screening Methods: Unveiling Patterns and Implications |
| 33 | Wu | Victoria | MDUP | Why the treatment sequence matters: Interplay between chemotherapy cycles received, cumulative dose intensity, and survival in resected early-stage pancreas cancer |
| 34 | Zherui | Xuan | MDUP | Identifying Socioeconomic Markers for Cancer Screening Noncompliance in Cuyahoga County, OH |
| #ª | Last Name | First Name | Academic Program ^b | Abstract Title |

| 35 | Lee | Angela | MDUP | The Functional Immune Effects of the Platelet Storage Lesion |
|----|----------|----------|---------------------|--|
| 36 | Chen | Matthew | MDUP | The role of patient navigation in cancer treatment |
| 37 | Cowan | Nathan | MDUP | Unlocking Musculoskeletal Anatomy: Exploring the Impact of Adding a Physician-Led Ultrasound Session to the Standard Anatomy & Physical Exam Curriculum on Knowledge Retention and Self-Efficacy of Second-Year Medical Students |
| 38 | Yang | Muda | PhD program | Dynamics in Early Steps of HIV transcription in Reactivated Latently Infected Human CD4+ T cells |
| 40 | Pierson | Lane | PhD program | Develoent of cellular assays to characterize the impact of sequence variation on STING function in bats |
| 41 | lyengar | Pragnya | MDUP | Lower limb motor performance is proportional to corticospinal tract integrity in chronic stroke |
| 42 | Bindhu | Shwetha | MDUP | Developing a Machine Learning Model to Predict 30-day Readmissions in Patients with Traumatic Brain Injury (TBI) |
| 43 | Anderson | Trenley | MDUP | Short Interval Intracortical Inhibition is Associated with Leg Motor Function in Chronic Stroke |
| 44 | Curameng | Jemuel | Master's program | Social Networks in Relation to CPAP Adherence in Acute Ischemic Stroke Patients |
| 45 | Zaronias | Kailey | MDUP | The Neuroprotective Potential of Vanillin Prodrug (MX-1520) |
| 46 | Yan | David | MSTP | Inhibition of HSD17B7 and SC4MOL shifts cellular sterol composition and promotes oligodendrocyte formation |
| 47 | Chen | Xi | PhD program | Pharmacological activation of unfolded protein response promotes proteostasis of epilepsy-associated GABA(A) receptors |
| 48 | Chappell | McKenzie | MDUP | Cerebellar white matter develoent is regulated by fractalkine- dependent microglia phagocytosis of oligodendrocyte progenitor cells |
| 49 | Zhang | Yiwen | Master's program | Investigation of the role of Dual Leucine Zipper kinase (DLK) in a mouse model of tauopathy |
| 50 | Muinos | Jessica | Master's program | Astrocyte reactivity driven by neurodegenerative disease conditions negatively impacts oligodendrocyte formation through intercellular crosstalk |
| 51 | Das | Nikita | MDUP | Uncovering the Impact of Metabolic Syndrome on Surgical Resection Outcomes for Patients with Drug Resistant Epilepsy: A Propensity-Matched Cohort Study |
| 52 | Eghrari | Nafis | MDUP | Impact of Obesity on Clinical, Radiographic, and Surgical Outcomes in Single-Level L4-5 LLIF versus TLIF |
| 53 | Francis | John | MDUP | Differences in Bowel and Bladder Function Following Spinal Cord Injury at the Cervical Versus Thoracic Level |

| 54 | Lavu | Monish | MDUP | Anterior versus Transforaminal Lumbar Interbody Fusion for Degenerative Spondylolisthesis: A Propensity-Matched Cohort Comparison of Clinical and Radiographic Outcomes with Implications for Cost-Effectiveness |
|----|------------|------------|------|--|
| 55 | Bambakidis | Evangeline | MDUP | Barriers to Vestibular Rehabilitation in Acoustic Neuroma Surgical Patients |
| 56 | Kosanam | Anish | MDUP | Comparison of Adjuvant Radiation vs Observation and Salvage Radiation after Subtotal Resection of a Grade I Skull Base Meningioma |
| 57 | Makineni | Pratheek | MDUP | Pedicle Subtraction Osteotomies for Surgical Correction of Fixed Sagittal Imbalance: A Meta-Analysis and Systematic Review |
| 58 | Martinez | Orlando | MDUP | Influence of augmented C2-T1 translaminar rod in conjunction with standard posterior rod construct on cervicothoracic joint stability |
| 59 | Azar | Alexander | MDUP | Association Between Lid Margin Collarettes and Severity of Dry Eye Disease and Symptoms |
| 60 | Rana | Neil | MDUP | Evaluation of sustained pressure increases across three commonly prescribed anti-VEGF agents |
| 61 | Douglas | GianMarco | MDUP | Running wheel exercise preserves photoreceptor mitochondrial morphology in aged light-induced retinal degeneration (LIRD) mice |
| 62 | Albrecht | Emily | MDUP | Risk of Cardiovascular Adverse Events after Anti-VEGF Injection for Retinal Vein Occlusion |
| 63 | Shi | Shi | MDUP | Interocular Suppression Impairs Dichoptic Visual Search in Amblyopia |
| 64 | Mohan | Nitesh | MDCP | Switching from Intravenous to Subcutaneous Tocilizumab for Uveitis during the COVID-19 Pandemic |
| 65 | Shirian | Jonathan | MDUP | Efficacy and Safety of Treatment Modalities for Choroidal Neovascular Membranes Associated with Optic Nerve Head Drusen in Pediatric Patients: A Systematic Review |
| 66 | Arnold | Keith | MDUP | Is Ocular Radiation of Orthopedic Surgeons an Occupational Health Issue? |
| 67 | Rock | Jenna | MDUP | Frequency of Medication-Induced Intracranial Hypertension and Increased Odds of Fulminant Presentation of Disease |
| 68 | Arza | Ramon | MDUP | Orthopaedic Residency Compensation and Cost of Living: Are Orthopaedic Residents Financially Strained? |
| 69 | Potluri | Ajay | MDUP | Academic Productivity of Orthopaedic Faculty in the United States: Does Institutional Ranking Make a Difference? |
| 70 | Nair | Nikhil | MDUP | Efficacy of UCL Repair With Internal Bracing |
| 71 | Shah | Aakash | MDUP | Low Rates of Complications Following Tibial Tubercle Osteotomy and Tibial Tubercle Osteotomy with Distalization |

| 72 | Rizk | Adam | MDUP | Arthroscopic Partial Meniscectomy-Only Procedures for Degenerative Knee Osteoarthritis: Has Utilization Among Medicare Beneficiaries Changed? |
|----|--------------------------|---------------|----------|--|
| 73 | Galetta | Michael | MDUP | What are the Risk Factors, Clinical Presentation, and Natural History of Hip Abductor Tears? |
| 75 | Sanghvi | Parshva | MDUP | Evaluating the Learning Curve for Robotic-Assisted and Computer-Navigated Total Hip Arthroplasty: A Systematic Review |
| 76 | Hecht | Christian | MDUP | Is Penicillin Allergy a Clinical Problem? A Systematic Review of Total Joint Arthroplasty Procedures with Implications for Patient Safety and Antibiotic Stewardship |
| 77 | Nowak | Elizabeth | Master'S | Primary Osteosarcoma of the Short Bones of the Lower Extremity: A Surveillance, Epidemiology, and End Results Program (SEER) Retrospective Study |
| 78 | Porto | Joshua | MDUP | Should Patients Undergo Routine Postoperative Lab Testing Following Total Joint Arthroplasty?: A Systematic Review With Implications for Patient Care and Cost Containment |
| 79 | Callaghan- VanderWall | Megan | MDUP | Knotless vs. Knotted Suture Anchors for Labral Repair of the Hip: A Systematic Review of Clinical and Biomechanical Outcomes |
| 80 | Nedder | Victoria | MDUP | Develoental Anatomy of the Radial Bow in Pediatric Patients using 3D Imaging |
| 81 | Wiener | Joshua | MDUP | Distal Clavicular Resection Worsens Outcomes in Rotator Cuff Repair : A National Database Study |
| 82 | Argen | Omurzakov | MDUP | Assessing the Relationship between Post- and Intraoperative Kinematics and Patient-Reported Outcomes in Total Knee Arthroplasty |
| 83 | Fong | Scott | MDUP | Satisfactory Long-term Survivorship with Birmingham Hip Resurfacing: A Systematic Review of 13,203 Hips |
| 84 | Runsewe | Oluwapeyibomi | MDCP | Trends of Hip and Knee Arthroplasty Providers and Volume from 2013-2020: A Call to Action |
| 85 | Morgan | Kerry | MDUP | Quantifying the Scope of Artificial Intelligence Assisted Writing In Orthopaedic Medical Literature: An Analysis of Prevalence and Validation of Al-Detection Software |
| 86 | Bowron | Isak | MDUP | Risk Assessment Tools for Prediction of Pulmonary Embolism Adverse Events: Both Inpatient and Outpatient |
| 87 | Pache | Killian | MDUP | Relationship Between Neuromuscular Blocking Agent and Cormack-Lehane Grade: A Comparison of Rocuronium and Succinylcholine |
| 88 | Jarman | McKay | MDUP | Prevalence of Dysphagia in Pediatric Patients with Cerebral Palsy by Gross Motor Function Classification System |
| 89 | Punjabi | Nihal | MDUP | Determining the Average Shape and 3D Modeling of the Human Cartilaginous Nasal Septum |
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| 90 | Naganatanahalli | Manisha | MDUP | Exploring the Interplay of Diagnostic Factors, Symptom Duration, and Surgical Outcomes in Chronic Rhinosinusitis patients at a tertiary care otolaryngology clinic |
|-----|-----------------|----------------|---------------------|---|
| 91 | Dhamija | Ravi | MDUP | Demographic Factors, Surgical Rates, and Follow-up Trends in Patients with Sinus-Related Complaints |
| 92 | Kim | Jaehee | MDUP | Temporomandibular Dysfunction and Voice-Related Quality of Life Impairment |
| 93 | Ayele | Afomia | MDUP | Characterizing the role of Tmc2b protein structure in mechanotransduction in zebrafish hair cells as a model for human deafness |
| 94 | O'Keefe | Meghan | MSTP | Phospho-proteomics of inflammasome signaling reveals novel pathway inactivation |
| 95 | Suzart | Vinicius | PhD program | Human memory CD4 T cells recognize autologous bystander non-infected macrophages exposed to Mycobacterium tuberculosis infection. |
| 96 | Holmes | Maya | MDUP | The Social Determinants of Health Impact Family Management of Infant Care in the NICU |
| 97 | Epstein | Allison | MDUP | Association of Maternity Leave with Breastfeeding Duration in the United States: A Scoping Review References |
| 98 | Wicklund | Lorena | MDUP | A Case for Establishing Breastfeeding Medicine Clinics: A Quality Needs Assessment at a Large Academic Institution |
| 99 | Gogula | Shravya | MDUP | Change in Cardiopulmonary Response to Continuously Incremental Exercise in Pediatric Fontan Patients |
| 100 | Singer | Jason | MDUP | Validation of an Infliximab Population Pharmacokinetic Model for Maintenance Dosing Pediatric Patients with Inflammatory Bowel Disease (IBD) |
| 101 | Shen | Yanqiu | Master's program | Reversible electrophiles in XPO1 modulators drive divergent cellular activities |
| 102 | Klemm | Emily | MSTP | Understanding the structural mechanisms of glycine receptors expressed during neurodeveloent |
| 103 | Zhou | Harvey | MDUP | The efficacy of non-medical therapies on treatment of children and adolescents diagnosed with autism spectrum disorder and associated comorbidities: A scoping review |
| 104 | Sachdev | Rishi | MDUP | Comparing the Use of Aggressive End-of Life Care Among Frail and Non-Frail Patients with Cancer Using a Claims-Based Frailty Index |
| 105 | Rich | Jacob James | PhD program | Opioid syringe exchange programs predict avocado sales: a replication of Packham (2022) |
| 106 | Kaur | Rupleen | MSTP | Astrocyte Spatial Distribution Affects Growth Dynamics of Breast Cancer Brain Metastases: An Agent-Based Modeling Study |

| 107CoulterMatthewMDUPEvaluation of Ultimate Frisbee-Related Injuries: A Comprehensive Analysis of Injury Types, Prevalence, and Imaging Spectrum108FaneLaurenMDUPImplementing and evaluating interactive hands-on fluoroscopy operator training to improve physician and patient radiation protection109ImbroaneMarisaMDUPAntenatal Kleihauer-Betke Testing as Predictor of Adverse Obstetric Outcomes110ShauhJacquelineMaster'sA Novel Therapeutic for Prevention of Preterm Labor111HaeringCatherineMDUPEfficiency in Intracytoplasmic Sperm Injection Method Improves Fertilization and Blastocyst Formation Rates112QuickJosephMDUPA 5-Year Review of Characteristics and Outcomes of Surgical Patients Leaving Against Medical Advice113MacRaeMeaghanMDUPCRP Levels Improve Patient Risk Stratification for Acute Appendicitis114VaughanTiffanyMDUPCan Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease?115PuiLydiaMDUPHow Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content116DrigotasClaireMDUPDosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma117NgauvJulieMDUPThe Modified Single-Patch Konno-Bentall Technique for Aortic Stenosis and Prosthesis-Patient Mismatch in Adults | | | | | |
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| operator training to improve physician and patient radiation protection 109 Imbroane Marisa MDUP Antenatal Kleihauer-Betke Testing as Predictor of Adverse Obstetric Outcomes 110 Shauh Jacqueline Master's A Novel Therapeutic for Prevention of Preterm Labor 111 Haering Catherine MDUP Efficiency in Intracytoplasmic Sperm Injection Method Improves Fertilization and Blastocyst Formation Rates 112 Quick Joseph MDCP A 5-Year Review of Characteristics and Outcomes of Surgical Patients Leaving Against Medical Advice 113 MacRae Meaghan MDUP CRP Levels Improve Patient Risk Stratification for Acute Appendicitis 114 Vaughan Tiffany MDUP Can Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 107 | Coulter | Matthew | MDUP | Comprehensive Analysis of Injury Types, Prevalence, and |
| Obstetric Outcomes 110 Shauh Jacqueline Master's A Novel Therapeutic for Prevention of Preterm Labor 111 Haering Catherine MDUP Efficiency in Intracytoplasmic Sperm Injection Method Improves Fertilization and Blastocyst Formation Rates 112 Quick Joseph MDCP A 5-Year Review of Characteristics and Outcomes of Surgical Patients Leaving Against Medical Advice 113 MacRae Meaghan MDUP CRP Levels Improve Patient Risk Stratification for Acute Appendicitis 114 Vaughan Tiffany MDUP Can Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 108 | Fane | Lauren | MDUP | operator training to improve physician and patient radiation |
| Haering Catherine MDUP Efficiency in Intracytoplasmic Sperm Injection Method Improves Fertilization and Blastocyst Formation Rates 112 Quick Joseph MDCP A 5-Year Review of Characteristics and Outcomes of Surgical Patients Leaving Against Medical Advice 113 MacRae Meaghan MDUP CRP Levels Improve Patient Risk Stratification for Acute Appendicitis 114 Vaughan Tiffany MDUP Can Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 109 | Imbroane | Marisa | MDUP | |
| Fertilization and Blastocyst Formation Rates 112 Quick Joseph MDCP A 5-Year Review of Characteristics and Outcomes of Surgical Patients Leaving Against Medical Advice 113 MacRae Meaghan MDUP CRP Levels Improve Patient Risk Stratification for Acute Appendicitis 114 Vaughan Tiffany MDUP Can Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 110 | Shauh | Jacqueline | Master's | A Novel Therapeutic for Prevention of Preterm Labor |
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| Appendicitis 114 Vaughan Tiffany MDUP Can Perioperative Electroencephalogram and Adverse Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 112 | Quick | Joseph | MDCP | |
| Hemodynamic Events Predict Neurodeveloental Outcomes in Infants with Congenital Heart Disease? 115 Pui Lydia MDUP How Critical is Trainee Wellness? A Review of Surgical Critical Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 113 | MacRae | Meaghan | MDUP | |
| Care Fellowship Website Wellness Content 116 Drigotas Claire MDUP Dosing Strategies for Cytoreductive Surgery with Heated Intraperitoneal Therapy for Malignant Peritoneal Mesothelioma 117 Ngauv Julie MDUP The Modified Single-Patch Konno-Bentall Technique for Aortic | 114 | Vaughan | Tiffany | MDUP | Hemodynamic Events Predict Neurodeveloental Outcomes in |
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| | 116 | Drigotas | Claire | MDUP | |
| | 117 | Ngauv | Julie | MDUP | |
| 118 Cabulong Alexander MDUP The Palliative Care Effect: Frailty and Do Not Resuscitate in Emergency General Surgery | 118 | Cabulong | Alexander | MDUP | |
| 119 Gautam Aishwarya MDUP Rates of UTI in Transgender Women Post-Vaginoplasty: A Retrospective Cohort Study in a Large US Health Network | 119 | Gautam | Aishwarya | | Retrospective Cohort Study in a Large US Health Network |

a-Some boards have intentionally been left blank, leaving non-consecutive poster numbers b- program abbreviations: MD—UP: CWRU University Program for MD degree; MD—CP: CWRU/CCLCM College Program for MD degree; MSTP: Medical Scientist Training Program MD/PhD program

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