

University of Nebraska Medical Center

4th Annual Medical Student Research Showcase

Presentation Schedule

Schedule Overview

Session	Time	Number of Presentations
Group 1	8:45 AM - 9:20 AM	19
Group 2	9:25 AM – 10:05 AM	19
Group 3	10:10 AM – 11:00 AM	18

Group 1

8:45 AM - 9:20 AM | 19 Presentations

Student	Abstract Title	Faculty Mentor	Presentation Number
Department of Growth & Development			
Caden Connealy	Potential Anti-Inflammatory Effects of 4-Aminopyridine in Modulating	Dr. Sangamesh Kumbar	1
Department of Internal Medicine			
Keller Barry	Safety and Clinical Impact of Magnetic Resonance Imaging in Patients with Cardiovascular Implantable Electronic Devices: A Retrospective Cohort Study	Dr. Shane Tsai	2
Cole Blasing	ADX246 Prevents Perivascular Fibrosis in the Hearts in the Collagen Induced Arthritis Mouse Model	Dr. Ted Mikuls	3
Mayson Custer	Quantitative Chest Computed Tomography in Systemic Autoimmune Rheumatic Disease-Associated Interstitial Lung Disease	Dr. Bryant England	4
Isaac Gart	Effects of Heat-Killed Methicillin-Resistant Staphylococcus aureus on Mucus Production and Clearance in Chronic Obstructive Pulmonary Disease	Dr. John Dickinson	5

Student	Abstract Title	Faculty Mentor	Presentation Number
Alexis Kramer	Testosterone-Dependent Mechanisms Driving Susceptibility to Rheumatoid Arthritis-Associated Lung Disease	Dr. Jill Poole	6
Grace MacLeod	Patient-Reported Functional and Cosmetic Outcomes Following Alar Rim Preservation Advancement Flap Reconstruction	Dr. Amy Cannella	7
Wyatt Mach	Filamin C Mutations and Susceptibility to Chemotherapy-Induced Dilated Cardiomyopathy	Dr. Brian Lowes	8
Jordan Rhyner	HIV Screening Rates Among Transgender and Gender Diverse Patients at a Midwestern Academic Medical Center	Dr. Jennifer Davis	9
Noah Shackelford	Serum Proteomics of Methotrexate Response in Patients with Rheumatoid Arthritis	Dr. Austin Wheeler	10
Kari Shad	Evaluating OpenEvidence Adoption in Hospital Medicine: A Survey of Clinical Practice and Educational Applications	Dr. Diana Bosworth	11
Samantha Shannon	Investigation of Medical Student Attitudes and Perceptions of Palliative Care Education	Dr. Melissa Teply	12
Luke Skrabal	Porcine Mitochondrial Transplant into iPSC-Cardiomyocytes may Rescue Doxorubicin Cardiotoxicity	Dr. Brian Lowes	13
Natalia Swan	Critical Appraisal of Strategy Trials in Rheumatoid Arthritis Treatment	Dr. Tate Johnson	14
Aradhana Thapa	ADX246 Prevents MAA Formation in Vitro and Attenuates Myocardial Inflammation in Collagen Induced Arthritis	Dr. Geoffrey Thiele	15
Dalton Vieth	AI-Enhanced OSCE Feedback: Learner Perceptions and Opportunities for Improvement	Dr. Nathan Anderson	16
Nolan Williams	Invasive Cryptococcal Meningitis in an Apparent Immunocompetent Host with Transient Lymphopenia: A Case Report	Dr. Charles Oertli	17
Department of Pathology and Microbiology			
Benjamin Kennedy	Morular Metaplasia in Fundic Gland Polyps - a Case Report of Rare Findings in a Common Lesion	Dr. Geoffrey Talmon	18
Department of Psychiatry			
Lahari Ramini	A Descriptive Content Analysis of Available Mobile Mindfulness Applications	Dr. Soonjo Hwang	19

Group 2

9:25 AM - 10:05 AM | 19 Presentations

Student	Abstract Title	Faculty Mentor	Presentation Number
Department of Family Medicine			
Creighton Harrington	Evaluating a Clinic-Community Partnership to Address Food Insecurity	Dr. Susan Evans	1
Hannah Im	Development and Early Engagement of the UNMC LEAP Program: A Medical Student-Led Advising Initiative for Premedical Students	Dr. Liliana Bronner	2
Mariah McCashland	Characterizing No-Show Appointments at a Student Run Free Clinic	Dr. Melanie Menning	3
Department of Gastroenterology and Hepatology			
Holland Stevenson	Social Disadvantage Is Associated with Fibrosis Severity and GLP-1 Receptor Agonist Utilization in MASLD.	Dr. Hwi Young Kim	4
Department of Orthopaedic Surgery and Rehabilitation			
Hudson Chadwick	Evaluating Intra-User Reproducibility of a Novel Method of Segmentation and Reconstruction for Camera-Directed Total Knee Arthroplasty	Dr. Hani Haider	5
Jack Paradis	TRT Is Associated with an Increased Risk of SLAP Tears with Subsequent Biceps Tenodesis but Not with Increased Postoperative Complications	Dr. Justin Greiner	6
Jacob Rademacher	Outcomes Following Contemporary Hip Arthroscopy for Femoroacetabular Impingement Syndrome: A Systematic Review of Labral Repair, Capsular Closure, and Osteochondroplasty	Dr. Justin Greiner	7
Nathaniel Schlader	Patient-Reported Outcomes, Satisfaction, and Resource Utilization in Virtual Follow-Up After Total Joint Arthroplasty: A Systematic Review	Dr. Christopher Deans	8
Department of Pediatric Surgery			
Ella Ford	Association Between the Number of Nuss Bars and Operative Outcomes Following Minimally Invasive Repair of Pectus Excavatum	Dr. Robert Cusick	9
Makayla Krause	Effect of Intraoperative Intercostal Regional Anesthesia with Liposomal Bupivacaine on Postoperative Milligram Morphine Equivalents Received and Length of Stay	Dr. Robert Cusick	10
Department of Pediatrics			
Tenly Hansen	Real World Evaluation of CFTR Modulators on Long-Term Outcomes in Pediatric Patients with Cystic Fibrosis: A Retrospective Cohort Study	Dr. Ashley Deschamp	11
Department of Public Health			

Student	Abstract Title	Faculty Mentor	Presentation Number
Bryson Lewis & Hillary Mantone	Spatial Associations Between Social Vulnerability, Nitrogen Dioxide Exposure, and Respiratory Disease Burden in Omaha, Nebraska	Dr. Jesse Bell	12
Department of Surgery			
Aidan Chandler	Timing of Autologous Abdominal Free Flap Breast Reconstruction: A Single-Center, Comparative Analysis of Surgical and Patient Outcomes	Dr. Heidi Hon	13
Ashley Clegg	Intrapleural Fibrinolytic Therapy Reduces Complement Activation in Complex Pleural Effusions and Empyema	Dr. Christopher Barrett	14
Sterling Cloet	Mismatch Between Rural Workforce Needs and Urology Residency Training: A National Analysis of Rural Rotations in Urology	Dr. Christopher Deibert	15
Jacob Leu	The Impact of Skin Closure Method on Patient Outcomes following Chest Wall Stabilization via Rib Plating and Sternal Fixation	Dr. Zachary Bauman	16
Avry Logeman	Application of Elective Robotic Assisted Cholecystectomy in a Patient with Vascular Ehlers-Danlos Syndrome: A Case Report	Dr. Keely Buesing	17
Kenzie Reagan	Outcomes of Primary Hyperparathyroidism Following Parathyroidectomy in Patients with Body Mass Index (BMI) ≥ 25 kg/m ²	Dr. Jordan Broekhuis	18
Kyle Sextro	Beyond Surgical Retrieval for Non-Obstructive Azoospermia: Established Hormonal Approaches and Therapeutic Rationale for Isotretinoin	Dr. Christopher Deibert	19

Group 3

10:10 AM – 11:00 AM | 18 Presentations

Student	Abstract Title	Faculty Mentor	Presentation Number
Department of Anesthesiology			
Carson Dettmer	Application of Input Impedance Analysis to Renal Denervation as a Measure of Sympathetic Activity in the Kidney	Dr. Peter Pellegrino	1
Spencer Duff	Simultaneous acquisition of maternal and dual-fetal electrocardiography with maternal hemodynamic monitoring in anesthetized pregnant rats	Dr. Lie Gao	2
Department of Obstetrics and Gynecology			
Morgan Baker Korthals	Validating Published Trial of Labor After Cesarean Prediction Models in a Midwest Cohort	Dr. Rebecca Rimsza	3
Quinlan Couch	Assessing the Degree and Implications of Period Poverty Among Omaha Adolescents	Dr. Abigail Drucker	4

Student	Abstract Title	Faculty Mentor	Presentation Number
Zoe Keese	Prenatal Education Needs and Preferences by Educational Attainment Among Pregnant Patients	Dr. Rebecca Rimsza	5
Holly Robinson	Performance of the sFlt-1/PlGF Ratio for Predicting Preeclampsia with Severe Features in Inpatient Versus Outpatient Settings at Nebraska Medicine	Dr. Rebecca Rimsza	6
Sydni Springer	Association Between Pelvic Organ Prolapse and Objectively Measured Pulmonary Function	Dr. Stephen Rennard	7
Department of Ophthalmology and Visual Sciences			
Mason Casper	Identifying an Unusual Suspect: Broad-Range PCR Diagnosis of Mycobacterium chelonae Endophthalmitis	Dr. Steven Yeh	8
Paul Garcia	Optic Nerve Involvement in Ocular Syphilis: Risk Factors and Visual Acuity Outcomes	Dr. Steven Yeh	9
Department of Otolaryngology - Head and Neck Surgery			
McKenna Gervais	Coordinating Care for Complexity: A Case Report of Multidisciplinary Management in a Patient with a Complex Airway and High Healthcare Utilization	Dr. Jayme Dowdall	10
Karissa Nichols	Timing of Transition from Pediatric to Adult Care for Patients with Tracheostomies	Dr. Jayme Dowdall	11
Department of Radiology			
Drew Hedstrom	Treatment-Induced Arterial Redistribution in Recurrent Hepatocellular Carcinoma: Y-90 Radioembolization Through an Occult Phrenic Artery	Dr. Lei Yu	12
Isabella Jones	Spontaneous Torsion of an Anatomically Variant Left Lateral Hepatic Segment	Dr. Andrew Keldgord	13
Kaya Pleiss	Impostor "Breast" Tumor: How a Chest Wall Desmoid Fibromatosis Mimicked Breast Pathology	Dr. Paul Gribben	14
Jake Schmid	Bilateral Ovarian Artery Contribution to an Acquired Uterine Arteriovenous Malformation After Miscarriage	Dr. Lei Yu	15
Grace Sullivan	Management of a Pancreaticoduodenal Arcade Pseudoaneurysm Using Direct Percutaneous Thrombin Embolization	Dr. Lei Yu	16
Lucas Zimbelman	Endometrial Carcinosarcoma: A Rare but Aggressive Uterine Malignancy	Dr. Lucy Muinov	17
SHARING/ RESPECT Clinic			
JP Miller	Addressing the Phlebotomist Shortage at SHARING Clinic Through a Student Training Model	Dr. Kevin McGuire	18