

55th Annual Research Day

April 13, 2022
DeVos Place
Grand Rapids, MI



Table of Contents

Welcome to Research Day!	3
Schedule at a Glance	4
DeVos Place Map	4
Keynote Speaker - Matthew Steensma, MD	5
Senior Academic Advisors	6
Physician Recruitment	6
Oral Presentations 8:00 a.m. - 8:10 a.m.	7
Oral Presentations 8:15 a.m. - 8:25 a.m.	8
Oral Presentations 8:30 a.m. - 8:40 a.m.	9
Oral Presentations 8:45 a.m. - 8:55 a.m.	10
Poster Presentations 9:00 a.m. - 10:00 a.m.	11
Oral Presentations 10:05 a.m. - 10:15 a.m.	21
Oral Presentations 10:20 a.m. - 10:30 a.m.	22
Oral Presentations 10:35 a.m. - 10:45 a.m.	23
Oral Presentations 10:50 a.m. - 11:00 a.m.	24
Oral Presentations 11:05 a.m. - 11:15 a.m.	25
Oral Presentations 11:20 a.m. - 11:30 a.m.	26
Oral Presentations 11:35 a.m. - 11:45 a.m.	27
Oral Presentations 11:50 a.m. - 12:00 p.m.	28
SHAPE Medical Education Day	29
Thank You and Congratulations!	32

Welcome to Research Day!

Thank you for attending the 55th annual research day! We are excited to return to an in-person event that showcases scholarly activity in our local community. Research Day 2022 features over 160 oral and poster presentations from a wide variety of disciplines.

The educational background of presenters includes health care professionals, resident and fellow physicians, and students from medicine, nursing, physician assistant, physical therapy and pharmacology programs.

We wish to extend our deepest appreciation to the judges, moderators and faculty members who have generously contributed their time and expertise to maintain the overall excellence of the program. We would also like to thank the Spectrum Health Medical Staff Office for their generous support of our awards. Thank you to the Spectrum Health Office of Research and Education who made this day a success.

Additionally, thank you to the Spectrum Health and Michigan State University College of Human Medicine Alliance for their support. Since 2007, the Alliance has facilitated collaborative efforts in clinical research and education between the two institutions, which has resulted in bringing novel and innovative research projects to West Michigan.

On behalf of the Spectrum Health Office of Research and Education, thank you for your support of this event!

Sincerely,

Paula Schuiteman-Bishop, MBA, MPA

Vice President, Spectrum Health Office of Research and Education, Healthier Communities Operations

Surender Rajasekaran, MD, MPH

Medical Director, Spectrum Health Office of Research & Education

DeVos Endowed Chair, Pediatric Research, Helen DeVos Children's Hospital

Assistant Professor, Michigan State University College of Human Medicine

Candace Smith-King, MD, FAAP

Vice President, Academic Affairs, Designated Institutional Official, Spectrum Health Office of Research & Education

Academic General Pediatrics, Adolescent and Young Adult Medicine, Spectrum Health Helen DeVos Children's Hospital

Assistant Professor of Pediatrics, Michigan State University College of Human Medicine

Schedule at a Glance

8:00 a.m. – 8:55 a.m. Oral Presentations

9:00 a.m. – 10:00 a.m. Poster Presentations

10:05 a.m.– 12:00 p.m. Oral Presentations

11:00 a.m. – 4:00 p.m. SHAPE Medical Education Day

Noon – 1:40 p.m. Lunch and Keynote Speaker

River Overlook Meeting Rooms

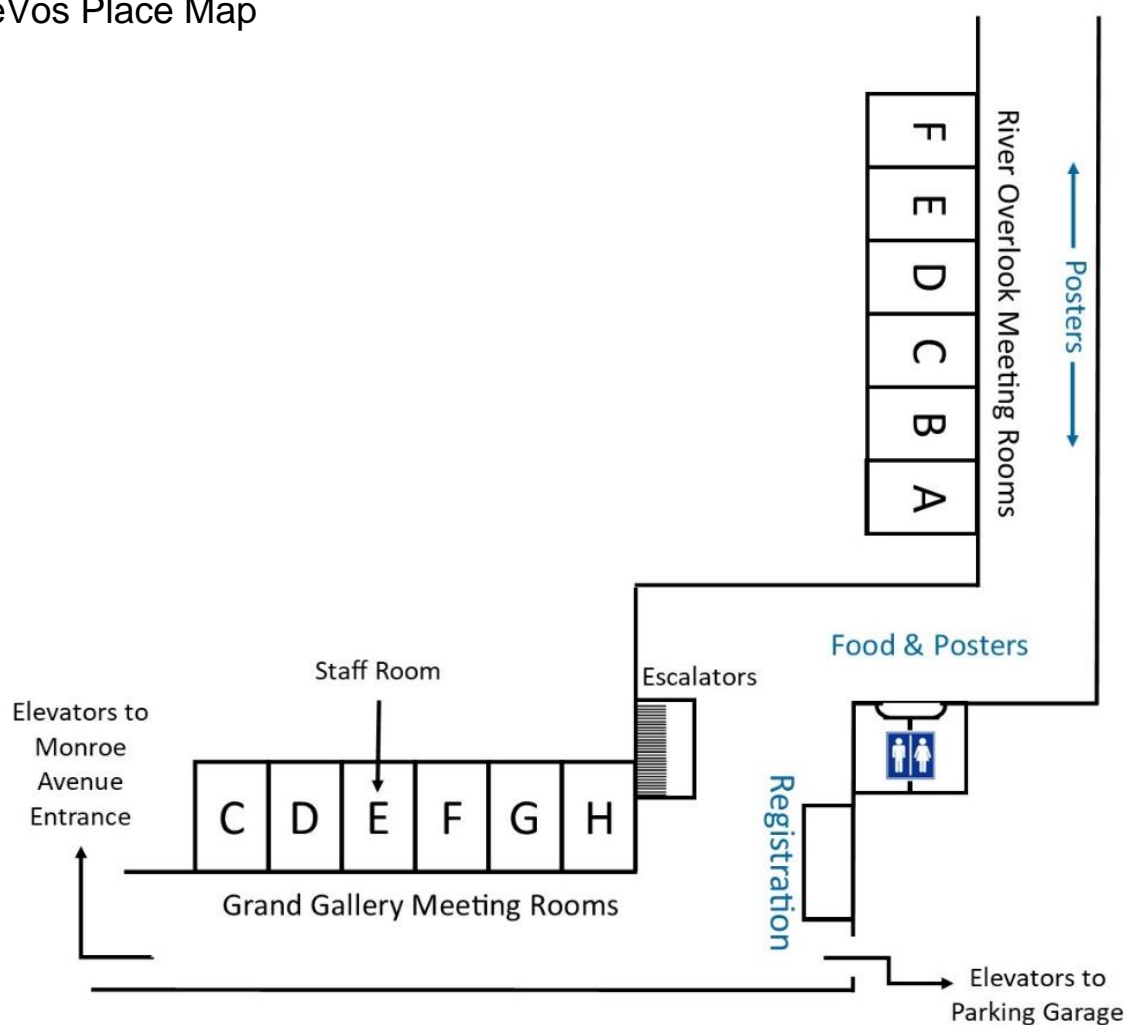
Hallway

River Overlook Meeting Rooms

Grand Gallery Overlook Rooms G and H

Ballroom C/D

DeVos Place Map



Keynote Speaker - Matthew Steensma, MD

Dr. Steensma is an orthopedic oncologist and surgeon-scientist with an interest in sarcoma biology. He has faculty appointments with the Van Andel Research Institute and Michigan State University School of Medicine.

He is a graduate of Hope College in Holland, Michigan and received his medical degree from Wayne State University School of Medicine in Detroit, Michigan. He completed his internship and residency in orthopaedic surgery in Grand Rapids, Michigan in the Grand Rapids Medical Education Partners training program. Matthew R. Steensma, MD, is a graduate of the musculoskeletal surgical oncology fellowship at Memorial Sloan-Kettering Cancer Center in New York, New York.

The scope of Dr. Steensma's practice includes the surgical treatment of primary and metastatic tumors of the musculoskeletal system. This includes both benign and malignant conditions of bone, soft tissue, and nerve, as well as extremity and pelvis lesions. In conjunction with Spectrum Health Helen DeVos Children's Hospital and the Spectrum Health Regional Cancer Center at Lemmen-Holton Cancer Pavilion, Dr. Steensma provides care for children and adults afflicted with musculoskeletal tumors. Dr. Steensma is the principle investigator of the Steensma Lab at Van Andel Research Institute.



Title: Research Fundamentals: Compassion, Collaboration and Beer

Objectives:

1. The audience will learn the fundamentals of a successful career as a clinician researcher
2. The audience will learn about the differences between research leadership and management skills and how to leverage these to become a productive researcher
3. The audience will learn how to effectively collaborate with non-clinical researchers

CME Credit Hours: 1.00

1.0 AMA PRA Category 1 Credit(s)[™]

ID CODE: 44496

1.0 non-physician credit hour(s)

In accordance with the ACCME Standards for Integrity and Independence in Accredited Counting Education, Spectrum Health Hospitals CME implemented mechanisms to identify and mitigate relevant financial relationships with ineligible companies for all individuals in a position to control content of this activity.

Senior Academic Advisors

Senior academic advisors (SAAs) are Spectrum Health physicians with responsibility to increase awareness and visibility for both research and medical education. They serve as a liaison between these fields within their respective clinical service lines. SAA's proactively support, mentor and collaborate with residents, fellows, medical students and physician researchers. They foster partnerships with clinical service lines and promote alignment of our strategic visions for research and medical education. SAA's work closely with Spectrum Health department chiefs and the Michigan State University College of Human Medicine department chairs to capitalize on the strengths of both institutions through the development of connections and synergy between members. The SAA's play an invaluable role in our learning community, and we look forward to their continued collaboration to advance medical education and research.

Senior Academic Advisors

- Nagib Chalfoun, MD, Cardiovascular Health
- Marcos Cordoba Munoz, MD, Women's Health
- Sathiyamoorthy Gayathri, MD, Specialty Health/Medical Specialties
- Harland Holman, MD, Primary Health
- Travis Menge, MD, Orthopedic Health
- Jiangyong Min, MD, PhD, Neurological Health
- Matt Nelson, MD, Digestive Health
- Laurie Seaver, MD, Children's Health
- Carlos Weiss, MD, Post-Acute Health
- Paul Wright, MD, Cancer Health

Physician Recruitment

At Spectrum Health, clinical opportunity intertwines with a commitment to exceptional and personalized care at all levels. Join a clinical team that is focused on personalizing the patient experience, driving innovation through new technology and achieving national recognition for quality and excellence, all while maintaining the reason you joined this profession—to help people.

Visit the physician recruitment table to speak with a recruiter! For more information, email physicianrecruitment@spectrumhealth.org.

Oral Presentations | 8:00 a.m. - 8:10 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Single-Stage, Simultaneous Bilateral Total Knee Arthroplasty: A Reasonable Option for Treating Bilateral Knee Osteoarthritis Presenter: Daniel McKearney, MD, Resident Physician Authors: Douglas A. Rossi, MD; Drew B. Krumm, MD; Daniel A. McKearney, MD; Karl C. Roberts, MD Spectrum Health, Michigan State University College of Human Medicine, West Michigan Orthopaedics
River Overlook B	Examining Rates of Burnout Among Emergency Medicine and Pediatric Emergency Medicine Physicians Presenter: Zina Alhaddad, MD, Resident Physician Authors: Zina Alhaddad, MD; Christopher Benner, MD; Jessica Parker, MS, Gstat; Bhawana Arora, MD; Jon Felt, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University
River Overlook C	Impact of continuous infusion ketamine on bispectral index in sedated, paralyzed, critically ill adults Presenter: Kamah Ellena, PharmD, Pharmacy Resident Authors: Kamah Ellena, PharmD; Matthew Armstrong, MD; Diana Haggerty, PhD; Matthew Gurka, PharmD, BCCCP Spectrum Health
River Overlook D	Relation between Mental Health Stigma, Somatization and Psychogenic Non-Epileptic Seizures: An Exploratory Study Presenter: Carina Mendoza, MD, Resident Physician Authors: Carina Mendoza, MD; Shan Abbas, MD Spectrum Health
River Overlook E	Comparative Analysis of the Diagnosis and Treatment of Vertigo in Elderly Emergency Department Patients Presenter: Victoria Moaddel, MS, Medical Student Authors: Victoria Moaddel, MS; David Burkard, MD; Jason Gimre, BS; Matt Singh, MD; Thomas Peterson, MD; Lisa Ambrose, MS; Jeffrey Jones, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook F	Examining the relationship between pre-training NBME shelf score with subsequent yearly CREOG ITE scores - how this predictor could improve resident education Presenter: Grace Sterenberg Crane, MD, Resident Physician Authors: Grace Sterenberg Crane, MD Spectrum Health

Oral Presentations | 8:15 a.m. - 8:25 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Proximal Tibia Anatomic Variation May Impact Tibial Nailing Presenter: Drew Krumm, MD, Resident Physician Authors: Drew Krumm, MD; Luke Winkel, MD; Gable Moffitt, MD; Laura Krech; Jessica Parker; Steffen Pounders; Alistair Chapman, MD; Blake Miller, DO Spectrum Health, Michigan State University College of Human Medicine
River Overlook B	Antibiotic and Opioid Prescribing for Simple Toothache in the Emergency Department Presenter: Brandon Trop, MS, Resident Physician Authors: Ayotunde Oluwatosin, MD; Meredith Busman, MD; Brandon Trop, MS; Thomas Sapp, MD; Melisa Gagraca, MD; Thomas Peterson, MD; Jeffrey S. Jones, MD Spectrum Health
River Overlook C	Risk factors for Staphylococcus aureus infections in intensive care unit patients during the COVID-19 pandemic Presenter: Renee McTee, PharmD, Pharmacy Resident Authors: Renee McTee, PharmD; Kumaran Ramakrishnan, PharmD, BCCCP; Wendy Thomas, PharmD, BCCCP; Derek Vander Horst, PharmD, BCPS, BCIDP; River Gibbs, MS Spectrum Health
River Overlook D	The Clinical Utility of Long-Term Video-EEG Monitoring (LTM) in Patients Hospitalized for New-Onset Seizures Presenter: Fnu Rameez, MD, Resident Physician Authors: Fnu Rameez; Erin Okazaki; Mohamad Haykal; Shan Abbas; Yao Cheng; Evan Tank; Rachel Fabris; Edward Chen; David Burdette Spectrum Health
River Overlook E	Impact of a Rapid Assessment Zone on Patient Throughput in an Urban Pediatric Emergency Department Presenter: Amanda Schoonover, MPH, Medical Student Authors: Amanda Schoonover, MPH; Zina Alhaddad, MD; Jackson Lanphear, MD; Bhawana Arora, MD Michigan State University College of Human Medicine
River Overlook F	Evaluating the trend between Hemoglobin A1C levels throughout pregnancy and adverse outcomes in patients with pregestational diabetes. Presenter: Kristyn Oswald, MD, Resident Physician Authors: Kristyn Oswald, MD; Chantip Tharanon, MD; Lindsay Finn, MD; Lisa Thiel, DO Spectrum Health

Oral Presentations | 8:30 a.m. - 8:40 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Massive Bilateral Infrapatellar Bursitis: A Rare Manifestation Presenter: Tyler Madden, MD, Resident Physician Authors: Tyler Madden, MD; Matt Pate, MD; Doug Rossi, MD; Drew Albert, MD; Alex Balboa, MD; Sebastian Paz Kitschke, BS; Karl Roberts, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook B	The Effect of Insurance Payer on Health Outcomes in Critically Ill Children admitted to the PICU with a Respiratory Diagnosis. Presenter: Chadd Mays, DO, MPH, Clinical/Research Fellow Authors: Chadd Mays, DO, MPH; Brian Boville MD; Diana Haggerty, PhD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
River Overlook C	Value-based evaluation of pharmacist intervention in post-discharge transitions of care: A quality improvement project Presenter: Ashley Blanchette, PharmD, Pharmacy Resident Authors: Ashley Blanchette, PharmD; Brittany Dillard, PharmD; Amy Pouillon, PharmD Spectrum Health
River Overlook D	Prevalence of Antiplatelet Resistance in Patients with Stroke Presenter: Samantha Cencer, DO, Resident Physician Authors: Samantha Cencer, DO; Jiangyong Min, MD Spectrum Health, Michigan State University
River Overlook E	Cardiopulmonary Symptoms in Patients with Cannabis Toxicity Presenting to Emergency Departments Presenter: Erin Leach, MS, Medical Student Authors: Erin Leach, MS; Man Yee Keung, MS; Steven Ilko, MD; Gilbert Nelson, MD; Tiffany Fleeger, BS; Justin Houseman, MD; Angela Zamarripa, MD; Jeffrey S Jones, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
River Overlook F	Comparison of Postpartum LARC Administration After Initiation of Immediate Postpartum LARC Program Presenter: Morgan Torrez, DO, Resident Physician Authors: Morgan Torrez, DO; Michelle Backus-Walzer, MD; Madeline G. Merwin, BA; Katherine A. Munson, BS Spectrum Health

Oral Presentations | 8:45 a.m. - 8:55 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Outcomes after multi-ligamentous knee injuries in poly-trauma patients versus isolated injuries Presenter: Spencer Sims, BS, Medical Student Authors: J. Christian Peterson, MD; Spencer Sims, BS; Michael Jabara, MD Michigan State University College of Human Medicine
River Overlook B	TOXIC MEGACOLON SECONDARY TO CLOSTRIDIUM DIFFICILE IN A PREVIOUSLY HEALTHY TEENAGER Presenter: Megan Conway, MD, Clinical/Research Fellow Authors: Megan Conway, MD; Elijah Huang, MD; Peter Freswick, MD; Daliya Khoun, DO; Elizabeth Rosner, DO Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
River Overlook C	QTc Best Practice Alert Evaluation - Impact of alerts on prescribing habits Presenter: Whitney Templeton, PharmD, Pharmacy Resident Authors: Whitney Templeton, PharmD; Jessica Rademacher, PharmD; Morgan Maley, MS; Jessi Parker, MS, Gstat; Martha Slot, PharmD Spectrum Health
River Overlook D	Identification of Tumor Infiltrating Leukocytes in Glioblastoma and Clinical Outcomes Presenter: Andres Restrepo, MD, Resident Physician Authors: Andres Restrepo, MD; Austin Goodyke, MSc; Joseph Zagorski, PhD; Todd Vitaz, MD Spectrum Health, Michigan State University
River Overlook E	Screening for Sexually Transmitted Infections in Adolescents with Genitourinary Complaints: Is There a Role for Endocervical Gram Stains? Presenter: Subah Nanda, MS, Medical Student Authors: Subah Nanda, BS; Amanda Schoonover, MPH; Jasman Kaur, BS; Annie Vu, BS; Erica Tavares, MD; Angela Zamarripa, MD; Jeffrey Jones, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook F	Retrospective review of prenatal testing in a cohort of pediatric patients who underwent whole exome sequencing postnatally. Presenter: Paola Torres Ortiz, MD, Resident Physician Authors: Paola Torres, MD; Kayla Smith, MD; Vivian Romero, MD; Claudia Nadernejad, MD; Jeremy Prokop, PhD; Caleb Bupp, MD; Erica MacDonald, GC; Christine Bergeon-Burns, GC; Hannah Budnik, GC; Mary Klueh, MPH Spectrum Health, Michigan State University College of Human Medicine

Poster Presentations | 9:00 a.m. - 10:00 a.m.

Poster	Title, Authors, Affiliation/Institution
1	Necrotic corpus callosum lesion mimicking glioblastoma multiforme Aiste Baltuonyte, MD; Joseph Schulte, MD Spectrum Health, Michigan State University College of Human Medicine
2	Iatrogenic Air Embolism, A Rare Complication of a Common Procedure Andrew Wechsler, MD; Zachary Vanderlaan, MD Spectrum Health, Michigan State University College of Human Medicine
3	Acute Clobazam Toxicity Resulting in Death Dalton Grimm, MD; Brian Judge, MD; Bernie Eisenga, MD Spectrum Health, Michigan State University College of Human Medicine
4	Shared delusional infestation in the Emergency Department Daniel Romine, MD; Joshua Reynolds, MD Spectrum Health, Michigan State University College of Human Medicine
5	Methylene blue induced serotonin syndrome following multidrug overdose Joel Poliskey, MD; Bryan Judge, MD Spectrum Health, Michigan State University College of Human Medicine
6	Gastro-pericardial fistula causing tension hydro-pneumopericardium requiring emergent pericardiocentesis John Elenbaas, MD; Jordan Johnson, MD; Matt Flannigan, DO Spectrum Health, Michigan State University College of Human Medicine
7	Crataegus mexicana (Tejocote) Exposure Associated with Pancreatitis Kyle Sherwin, DO; Brad Riley MD Spectrum Health, Michigan State University College of Human Medicine
8	Psilocybin-Induced Wide Complex Bradycardia Micah Larsen, MD; Brad Riley, MD Spectrum Health, Michigan State University College of Human Medicine
9	Emergent Cricothyroidotomy for Tracheal Stenosis Oluwatosin Ayotunde, MD; Corey Fellows, DO Spectrum Health, Michigan State University College of Human Medicine

Poster	Title, Authors, Affiliation/Institution
10	Severe overdose of Amlodipine complicated by bradycardia, refractory vasoplegia, ARDS and iatrogenic hypercalcemia induced hypercoagulability of continuous renal replacement therapy circuit. Steven Ilko, MD; Bernard Eisenga, MD Spectrum Health, Michigan State University College of Human Medicine
11	Fournier's Gangrene in a Female: A Case Report Yeoshina Pillay, MD; John Deveau, MD Spectrum Health, Michigan State University College of Human Medicine
12	Etiology and Clinical Features of Optic Neuritis in Children: A Case Report Brandon Trop; Subah Nanda, BS; Amanda Schoonover, MPH; Rebecca Andrews-Dickert, MD; Jeffrey Jones, MD Michigan State University College of Human Medicine
13	Serial Bedside Emergency Ultrasound in a Case of Blunt Abdominal Trauma and Mesenteric Injury Chandler Grier; Rebecca Loney, MD Spectrum Health, Michigan State University College of Human Medicine
14	Use of Point-of-Care Ultrasound in the Diagnosis of a Pediatric Grade IV Renal Laceration Due to Handlebar Injury Clarice Callahan; Matthew Flannigan, DO Spectrum Health, Michigan State University College of Human Medicine
15	Point-of-care Ultrasound to Expedite Diagnosis and Treatment of Acute Heart Failure in the Emergency Department Paige Pieczarka, MS-2; Matthew Flannigan, DO Spectrum Health, Michigan State University College of Human Medicine
16	Neuropsychiatric Effects of Cannabis Toxicity in the Emergency Department: A Community-based Study Erin Leach, MS; Larissa B. Fomum Mugri, MD; Man Yee Keung, MS; Lindsey Ouellette, MPH; Tiffany Fleeger, BS; Thomas Sapp, MD; Justin Houseman, MD; Jeffrey S Jones, MD Spectrum Health, Michigan State University College of Human Medicine
17	Impact of an Emergency Department Quality Improvement Initiative to Decrease Inappropriate Medications in the Elderly Meredith Busman, MD; Nathaniel Bishop, MD; Steven Ilko, MD; Gilbert Nelson, MD; Lisa Ambrose, MFA; Jeffrey Jones, MD Spectrum Health, Michigan State University College of Human Medicine
18	Consensus and Current Approach to Diagnosis of Renal Colic in the Emergency Department Rebecca Loney, MD; Matthew Flannigan, DO; Jeffrey Jones, MD Spectrum Health
19	Comparative Analysis of Digital Camera Systems for the Documentation of Anogenital Injuries Following Sexual Assault Tiffany Fleeger, BS; Linda Rossman, MSRN; Stephanie Solis, MSRN; Meredith Busman, MD; Lisa Ambrose, MS; Jeffrey Jones, MD Spectrum Health, Michigan State University College of Human Medicine

Poster	Title, Authors, Affiliation/Institution
20	Curriculum Innovations: Advancing the Discussion To Go Beyond the Basics Yeoshina Pillay, MD; Oluwatosin Ayotunde, MD; Angela Zamarripa, MD Spectrum Health, Michigan State University College of Human Medicine
21	An Epidemiological study of Cannabis use from 2015 - 2019 in Americans with Chronic health conditions. Lauren Kroeker, MD; Omayma Alshaarawy, PhD; Harland Holman, MD Spectrum Health
22	Improving Depression Screening in the Outpatient Setting: Family Medicine QI Zachary Wagar Spectrum Health
23	Plantar Fasciitis: An autobiographical case report from the perspective on an athlete and physician Nicholas C. Watson, MD; Michael Kaminski, BS; Masaru Furukawa, MD, MS Michigan State University College of Human Medicine
24	Massive Portal Venous Gas: A Case report of Imaging Findings and Management of Autoimmune Enteritis Aaron Leach, MD; Amy Banks-Venegoni, MD, FACS Spectrum Health
25	Large Marjolin Ulcer from Grenade Injury Aryana Sharrak, MD; G. Paul Wright, MD Spectrum Health
26	Partial Hepatectomy for Liver Abscesses Secondary to Perforated Gastrointestinal Stromal Tumor Jeremy Mormol, MD; M. Mura Assifi, MD, FACS Spectrum Health
27	Surgeon Burnout and Usage of Personal Communication Devices- Examining the Technology "Empowerment/Enslavement Paradox" Mariam Khan, MD; Nicole Mitchell, MPH; G. Paul Wright, MD Spectrum Health
28	Open Isolated Bankart Repair with Moderate Glenoid Bone Loss: A Prospective Review Drew Krumm, MD; Tim Lenters, MD; Stephen Burgess, MD Spectrum Health, Michigan State University College of Human Medicine
29	Repair versus Reconstruction of the Medial Collateral Ligament in the Setting of Multi-Ligamentous Knee Injuries J. Christian Peterson, MD; Tyler Janish, BS; Michael Jabara, MD Spectrum Health, Michigan State University College of Human Medicine

Poster	Title, Authors, Affiliation/Institution
30	Improved Agreement with AAOS Clinical Practice Guidelines on Carpal Tunnel Syndrome Jeremy Wodarek, MD; Jordan Pearce, MD; Kevin Chan, MD Spectrum Health, Michigan State University
31	A Rare Case of Bilateral Patellar Tendon Ruptures In a Patient With Fabry Disease Tyler Madden, MD; Andrew Fras, MD; Tom Wenzlick, MD; Drew Krumm, MD; Kent Kern, MD; Spencer Sims, BS Spectrum Health, Michigan State University College of Human Medicine, Michigan State University
32	Dietary Salt Substitute-Induced Hyperkalemia and Cardiac Arrest Alex Albrecht, DO; Mohammed Ahmed, MD; Sherilyn Munoz, DO; Jeremy Gentile, DO Spectrum Health
33	What's the Diff? A Rare Presentation of Hypereosinophilic Syndrome Camille Callow, MD; Brian Howard, MD Spectrum Health, Michigan State University College of Human Medicine
34	Disseminated mycobacterial infection in underlying hematological malignancy presents as neutropenic fever of unknown origin Connor McCalmon; Shahid Mohammed Spectrum Health
35	Treatment of Hypertriglyceridemia-induced Pancreatitis in a Patient with Concurrent DKA Danielle Wildrick, MD; Cesar Alcid, MD Spectrum Health
36	Glycogen Hepatopathy: A Rare Case of Hypoxia Induced Glycogen Deposition Gursher Rathore, MD; Jason Puckett, MD; Catherine Bartnik, MD, MPH Spectrum Health
37	Case of PML in an Immunocompetent Patient Hannah Bray, MD; Joshua Owuor, MD; Jeremy Gentile, DO Spectrum Health
38	Lymphoplasmacytic Lymphoma: A case report analysis of its clinical features Jay Patel, DO; Keval Ray, OMS-II; Neel Shah, MS-III; Shahid Mohammed, MD Spectrum Health, Michigan State University College of Human Medicine
39	Acute on Chronic Pulmonary Embolism presenting with Complete AV Block John Sinkovich, DO; Lillie Morgan, MD Spectrum Health, Michigan State University

Poster	Title, Authors, Affiliation/Institution
40	Respecting autonomy against medical advice Kevin FitzGerald, DO, MA Spectrum Health
41	A Challenging Combination: Discoid Lupus, Limited Scleroderma, and Sarcoid Myopathy Neelay Purohit, MD; Bradley Clemens, DO; Barakat Thabet, MD Spectrum Health
42	Inflammatory Arthritis Associated with IgA Vasculitis Sheetal Maragiri; Connor Kerndt; Maryssa Gilbert; Jeremy Gentile Spectrum Health, Michigan State University College of Human Medicine
43	Severe Lactic Acidosis from Linezolid Toxicity Sherilyn Munoz, DO; Beth Makowski, DO Spectrum Health
44	Retrospective Analysis of Vaccinated and Unvaccinated Monoclonal Antibody Patients and their Emergent Needs (RAVEN) and Hospital Utilization Subhan Toor, MD; James Polega, MD; Diana Haggerty, PhD; Nicholas Andersen, PhD; Gordana Simeunovic, MD Spectrum Health
45	Assessment of the quality of Noon Report Conferences for Internal Medicine Resident Education: a QI project Tyler Bonkowski; Daniel Summers; Amy Rechenberg; Eric Lee; Connor Kerndt; Mohammad Ahmad; Amarinder Atal; Mahrukh Akram; Jeremy Gentile Spectrum Health, Michigan State University College of Human Medicine
46	D-Dimer in Pediatrics Christina Heyboer, MD; Grant Adams, MD; Andrea Hadley, MD; Eric Kort, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
47	Why Won't You Smile? - The Case of a Drooping Face Sonia Gentile, MD, PhD; Andrea Hadley, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
48	Two-year Developmental Outcomes of Extremely Premature Infants in the Small Baby Unit A. Breanne Butler, MD; Baila Harris, MD; Krista Haines, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
49	Improving the Consulting Timing Between Residents and Ancillary Staff Ashley O'Bryan, MD; Elijah Huang, MD; Kira Sieplinga, MD Helen DeVos Children's Hospital, Michigan State University

Poster	Title, Authors, Affiliation/Institution
50	Allergic reactions associated with IM PEG-asparaginase with or without premedication versus IV administration in pediatric leukemia/lymphoma. Austin Voydanoff, MD; Jessica Foley, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
51	Improving Constipation Symptoms in Patients with Cystic Fibrosis at HDVCH Peter Freswick, MD; Chelsey Walquist, MD; Katelyn Biros, RD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
52	A Sneak Peak at What's Weak Heather Gladfelter, MD; Allison Long, MD Helen DeVos Children's Hospital
53	Distinguishing Features of Alpha-1 Antitrypsin Deficiency versus Biliary Atresia: A Neonatal Case Study. Lara Fawaz, MD; Alexander Redman, MD; Sarah Henkel, MD Helen DeVos Children's Hospital
54	Musculoskeletal Examination Curriculum of Knee and Shoulder Joints for Pediatric Residents Lindsey Boyke, MD, MPH; Matthew Vosters, MD; Kira Sieplinga, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
55	Diagnosing Obstructive Sleep Apnea in Pediatric Cleft Palate Patients Darin Patmon; Michelle Yoo; Rahamat Mansaray; Emmanuel Kumar; Miranda Hillard; John Girotto Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
56	Implementation of a Nurse-Resident Reciprocal Shadowing Program to Assess Barriers in Communication Samantha R. Schwartz, MD, MS; Jennifer Grasman, BSN, RN, CPN; Kira Sieplinga, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
57	Psychosocial risk status predicts response to a psychological treatment for children with functional abdominal pain Elise Cheney-Makens; Samantha Ely; Natoshia R. Cunningham, PhD; Ismaeel Hashemi, MD; Brittany N. Barber Garcia, PhD Michigan State University College of Human Medicine
58	Is Three Enough-Pharmacokinetic look at dosing and the relationship to repeated courses of Ferrlecit in Children Brian Boville, MD; Mara Leimanis, PhD; Felicia Bozman; Noelle Polakowski; Elena Ybarra; Alexander Loji; Jeffrey Hanson; Monica Arney Michigan State University College of Human Medicine
59	Evaluation of a Primary Care Obesity Prevention Program through 5 Years of Age Noah Elagamy, BS; Kathleen Howard, MD; Renee DeFrang, RDN, CDE, CPT; Julie Orth, MS, RDN; Jared Tucker, PhD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine

Poster Title, Authors, Affiliation/Institution

- 60 **Don't Hold Your Breath: Awake Breathing Abnormalities in Rett Syndrome**
Taylor Bejma; Sammy E Dia, MD; Andrea R Hadley, MD
Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
- 61 **A case of critical illness - associated cerebral microbleeds in a patient with Status Asthmaticus**
Brian Wideman, DO; Fnu Rameez, MD; Mariam Bezih; David Homa, MD
Spectrum Health, Michigan State University College of Human Medicine
- 62 **A case of spinal cord infarction after recreational use of Fentanyl laced with Xylazine and Quinine**
Brian Wideman, DO; Darla Wheeler, MD; Fnu Rameez, MD; Michelle De Jesus Brazitis, MD
Spectrum Health
- 63 **Bilateral Internal Carotid Artery Dissection Associated with Pyridoxine-responsive Homocystinuria in a 16-year-old adult with normal newborn screening: a case report.**
Fnu Rameez; Mariam Bezih; Allison Bannick; Robert Conway; Elora Hussain; Daniel Fain
Spectrum Health
- 64 **Michigan Surgical Quality Collaborative Hysterectomy Care Pathway: Preoperative Teaching and Opioid Prescribing for Hysterectomy**
April Abeyewardene, MD; Elizabeth Leary, MD; Mary Duba; Jennifer Helander
Spectrum Health, Michigan State University College of Human Medicine
- 65 **A Three Year Single Center Experience Validating the New Minimally Invasive Treatment for Cesarean Scar Pregnancy and Cervical Pregnancy**
Brittany Merrifield, MD; Jordan Lowe, MD; Alan Davis, PhD; Vivian C. Romero, MD; Erin Fricke, MD; Lisa Thiel, DO; Michael Tsimis, MD; David Colombo, MD; Marcos Cordoba, MD
Spectrum Health, Michigan State University College of Human Medicine
- 66 **Self-retaining O-retractor Use is the Preferred Method for Retraction in Cesarean Section Among Resident Physicians**
Carina Kee, DO; Michael Tsimis, MD
Spectrum Health, Michigan State University College of Human Medicine
- 67 **The Utilization of 3D Printed Uterine Models in the Evaluation of Müllerian Anomalies**
Jessica Garcia de Paredes, MD; Jordan Gosnell, MPH; Mili Thakur, MD; Jose Teixeira, PhD; Marcos Cordoba, MD
Spectrum Health, Michigan State University College of Human Medicine, Helen DeVos Children's Hospital, The Fertility Center

Poster	Title, Authors, Affiliation/Institution
68	Identification of a novel pathogenic variant in TP63 gene in a family with ectodermal dysplasia pursuing preimplantation genetic testing: A case report Eneka Lamb, MS; Sierra Dyer, MS, LCGC; Vivian C. Romero, MD; Emma Giuliani, MD; Timothy Moss, MD, PhD; Christine M. Burgeon Burns, MS, PhD; Marcos Cordoba, MD; Mili Thakur, MD Michigan State University College of Human Medicine
69	Approach to Lidocaine Allergy in Epidurals Connor Gwinn, MS3; Kim Nguyen, MD Spectrum Health, Michigan State University College of Human Medicine, Anesthesia Practice Consultants
70	A Low Cost Technique for Suture Suspensionplasty for Treatment of Thumb Carpometacarpal Joint Arthritis Arminder Kaura, MD; Viet Do, MD Spectrum Health
71	Thenar Flap for Pediatric Digital Pulp Defect Reconstruction Joseph Gorvetzian, MD; John Kelpin, MD Spectrum Health, Michigan State University
72	Evaluation of the Quality of Handoffs Across Residency Programs at a Single Institution Megan Sommers, MD; Ronald Ford, MD; Matthew Braza, MD; Daniella Anderson, MD Spectrum Health, Michigan State University College of Human Medicine
73	Spontaneous Flexor Tendon Rupture Secondary to Hamate Osteoarthritis Mitchell Gauger, MD; Ronald Ford, MD; Matthew Fahrenkopf, MD Spectrum Health, Michigan State University College of Human Medicine
74	An Initiative to Develop Transfer Criteria to a Plastic Surgery Referral Hub: Reducing Unnecessary Transfers, Costs and Delays Nicholas Wesely; Amanda Yang Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine, Mercy Health, Grand Rapids
75	Palmar scapholunate interosseous ligament repair in the acute traumatic wrist disarticulation Olivia Means, MD; Nicholas Wesely, MD; Megan Sommers, MD; Matthew Fahrenkopf, MD Spectrum Health
76	A Critical Examination of the Science and Role of Compression Garments in Aesthetic Surgery Nina Livermore, MD; Anna Schoenbrunner, MD; Jeffrey E. Janis MD, FACS Spectrum Health, The Ohio State University Wexner Medical Center

Poster	Title, Authors, Affiliation/Institution
77	Workup and treatment options for a new diagnosis of warm Autoimmune Hemolytic Anemia Alwin David, MD; Sohail Qadir, MD Spectrum Health
78	Refractory hypertension and poorly controlled diabetes as a result of primary aldosteronism Andrew Nguyen, MD; Carlos Tavera, MD Spectrum Health
79	Dermatomyositis in a 66-year-old female: an unfortunate rheumatic course Lindsey Kiiskila, MD Spectrum Health, Michigan State University College of Human Medicine, Michigan State University, Advanced Radiology Services
80	Wernicke Encephalopathy due to Persistent Dysgeusia as a Consequence of COVID-19 Infection in a Previously Healthy Adolescent Female Nicholas J. Miller, MD; Robert Conway, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine
81	Unusual Presentation of an Already Unusual Cancer: Small Cell Carcinoma of the Bladder Richard Pearson, MD Spectrum Health
82	Manifestations of Methadone-Induced Cardiotoxicity Salina Halliday; Mohammad U Ahmed; Samridhi Gulati; Humna Abid Memon Spectrum Health
83	Clostridium baratii cellulitis and tenosynovitis following cat bite James Polega, MD; Gordana Simeunovic, MD Spectrum Health, Michigan State University College of Human Medicine
84	Multiple brain lesions, lung mass and Lemierre's Syndrome Mudita Bhugra, MD; Joshua Donkin, MD; Habiba Hassouna, MD; Liam Sullivan, MD; Jorgelina de Sanctis, MD Spectrum Health, Michigan State University College of Human Medicine
85	Is Housing Healthcare? Improving Healthcare Outcomes by Addressing Social Determinants of Health Dylan Drummond, MD; Simin Beg, MD Spectrum Health, Michigan State University College of Human Medicine, Michigan State University
86	The Impact Of Early Interventional Procedures For Cancer Related Pain In The Setting of Polysubstance Use Disorder Gretchen Roe, MD; Rachel Danielle Fisher, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University College of Human Medicine

Poster	Title, Authors, Affiliation/Institution
87	Treatment of BRAF Positive Adenocarcinoma of the Colon Benjamin Eastburg, BBA; Anne Opalikhin, BS; Sreenivasa Chandana, MD, PhD Michigan State University College of Human Medicine, Cancer and Hematology Centers of West Michigan
88	Epidural Hemodynamic Challenges In A Gravid Patient With Hypertrophic Obstructive Cardiomyopathy With Systolic Anterior Motion Requiring Amnioreduction Michael J. Trembowicz, MD; Bernie L. Barden, BS Michigan State University College of Human Medicine
89	Collaborative Assessment in the Gross Anatomy Lab Nathan Rotundo; Felicia Bozman; Ryan Maureen Tubbs, PhD; Amber Heard-Booth, PhD Michigan State University College of Human Medicine
90	The Influences of the COVID-19 Pandemic as a Risk Factor for Admissions to An Inpatient Geriatric Psychiatry Unit Jaylyn Kelly, BS; Swapnil Rath, MD; Carol Janney, PhD Michigan State University College of Human Medicine, Pine Rest Christian Mental Health Services
91	Dexmedetomidine and Fever: Report of an Adverse Drug Reaction Lindsey LeQuia, BS; Nicholas Watson, MD Michigan State University College of Human Medicine
92	Social Determinants of Health Experienced by Emergency Room Patients in Huron County, MI Gabrielle Costello, BS; Kasey Curtis, BS; Madeline Merwin, BA; Andrea Wendling, MD, FAAFP Michigan State University College of Human Medicine
93	Labor Epidural Analgesia in a Patient with an Amide Allergy Pallavi Prabhu; Rashad Albeiruti, MD Michigan State University College of Human Medicine
94	5 Years of Vague Vestibular Symptoms Managed with Epidural Blood Patch Marc Korn MD; Sarah Isbell, BS; Laurie Chalifoux, MD Michigan State University College of Human Medicine
95	A Quality Improvement Evaluation of Spectrum Health Inpatient Antipsychotic Continuation Post-ICU Initiation Ashley Ingison; Dane L. Shiltz; Calvin J. Ice Spectrum Health, Ferris State University
96	"Warm Hand-Off" of students between clinical blocks: an educational modification to improve learning and reduce harms Michael Bouthillier, PharmD; Kyle Schmidt, PharmD; Lisa Meny, PharmD Ferris State University

Oral Presentations | 10:05 a.m. - 10:15 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Left Paraduodenal Hernia Presenter: Alex Finn, MD, Resident Physician Authors: Alex Finn, MD; Amanda Yang, MD, MBA Spectrum Health, Michigan State University
River Overlook B	Daily Nutritional Intake of Pediatric Patients (N=34) on ECMO: Are we over or under feeding? Presenter: Megan Brackmann, BS, Medical Student Authors: Benjamin Kogelschatz, BS; Megan Brackmann, BS; Annika Lintvedt, BS; Erika Heinze, BS3; Cherith Lane, RN; Jessica Parker, MS, GStat; Karen Ferguson, RD, CSP; Elizabeth Rosner, DO; Brian Boville, MD; Mara L. Leimanis-Laurens, PhD Michigan State University College of Human Medicine
River Overlook C	Title: Real World Clinical and Economic Outcomes of Pegfilgrastim On-Body Injector vs Prefilled Syringe at an Integrated Health System Presenter: Hannah Hammoud, PharmD, Pharmacy Resident Authors: Hannah Hammoud, PharmD; Christie Van Dyke, PharmD, BCPS; Joy Wahawisan, PharmD, BCPS; Amina Bensami, PharmD; Polly Kintzel, PharmD, BCPS, BCOP Spectrum Health
River Overlook D	Operationalizing COVID-19 Crisis Standards of Care: Lessons for Medicine, Ethics, and Technology Presenter: Matthew H Armstrong MD FASA, Attending Physician Authors: Matthew H Armstrong, MD, FASA; Jeffrey Byrnes, PhD; Shane Wehler; Nicholas Watson, MD, FASA Spectrum Health, Michigan State University College of Human Medicine, Anesthesia Practice Consultants
River Overlook E	Comparative Analysis of Acute Cannabis Toxicity in Adolescents Versus Older Adults Presenter: Man Yee Keung, MS, Medical Student Authors: Man Yee Keung, MS; Erin Leach, MS; Gilbert Nelson, MD; Steven Ilko, MD; Tiffany Fleeger, BS; Thomas Sapp, MD; Melisa Gagrica, MD; Jeffrey Jones, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook F	Important Procedural Competencies to Master during Residency Training: A Survey of Practicing Primary Care Physicians from an Internal Medicine/Pediatrics Residency Program Presenter: James Polega, MD, Clinical/Research Fellow Authors: James Polega, MD; Alan Davis, PhD; Richard Switzer, MD Spectrum Health, Michigan State University College of Human Medicine

Oral Presentations | 10:20 a.m. - 10:30 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	An Unusual Indication for Appendectomy Presenter: Allie Eickholtz, MD, Resident Physician Authors: Allie Eickholtz, MD; Matthew Dull, MD Spectrum Health
River Overlook B	A rapid review of racial/ethnic diversity amongst 6 U.S. based SARS-CoV-2 vaccine trials Presenter: Annika Lintvedt, Medical Student Authors: Chanise Love; Annika Lintvedt; Andrew Kampfschulte; Surender Rajasekaran; Chana Kraus-Friedberg; Mara L. Leimanis-Laurens Helen DeVos Children's Hospital, Michigan State University College of Human Medicine, Michigan State University
River Overlook C	Predictors of INR response following vitamin K administration for non-anticoagulant-related INR elevation Presenter: Krestina Bednarz, PharmD, Pharmacy Resident Authors: Krestina Bednarz, PharmD; River Gibbs, MS; Calvin Ice, PharmD, BCPS, BCCCP Spectrum Health
River Overlook D	QI for QI Presenter: Daniella Anderson, MD, Resident Physician Authors: Daniella Anderson, MD; Joseph Gorvetzian, MD; Amanda Yang, MD, MBA; Tyler Firlik, BS; Ronald Ford, MD Spectrum Health, Helen DeVos Children's Hospital, Michigan State University
River Overlook E	Peripartum management of a patient with congenital heart disease and mechanical valve Presenter: Zach Harper, Medical Student Authors: Zachary Harper; Laurie Chalifoux, MD Michigan State University College of Human Medicine
River Overlook F	No one is safe: Histoplasmosis and secondary HLH in two immunocompetent patients Presenter: Joshua Donkin, MD, Clinical/Research Fellow Authors: Joshua Donkin, MD; Patricia Choi, MD; Amanda Holsworth, DO; Nicholas L Hartog, MD; Gordana Simeunovic, MD Spectrum Health

Oral Presentations | 10:35 a.m. - 10:45 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Starting A Minimally Invasive Inguinal Lymphadenectomy Program - Initial Learning Experience And Outcomes Presenter: Jesse Kelley, MD, Resident Physician Authors: Jesse Kelley; Mariam Khan; G. Paul Wright Spectrum Health
River Overlook B	Atypical Presentation of Cardiogenic Shock: Archetype does not equal phenotype Presenter: Colin J. McMahon, MD, Resident Physician Authors: Colin J. McMahon MD; Jeremy Gentile DO Spectrum Health, Michigan State University College of Human Medicine
River Overlook C	Retail Pharmacy Clarifications of New Prescriptions - Identifying Patterns Presenter: Darren Jacks, PharmD, Pharmacy Resident Authors: Darren Jacks, PharmD, MBA; Marti Slot, PharmD; River Gibbs, MS Spectrum Health
River Overlook D	Determining the Gold Standard for Peripheral Nerve Management in Traumatic Amputations Presenter: Elizabeth Lucich, MD, Resident Physician Authors: Elizabeth Lucich, MD; Joseph Gorvetzian, MD; Austin Goodyke MS; Matthew Braza MD; Evien Albazi, BS; Ronald Ford, MD Spectrum Health, Michigan State University College of Human Medicine, Michigan State University
River Overlook E	Timing and frequency of surveillance imaging for lower-risk GIST recurrence - a cost analysis study Presenter: Caitlin Urban; Olivia Everin; Austin Vanwyk, Medical Student Authors: Caitlin Urban, MS; Olivia Everin; Austin Vanwyk; Mariam Khan, MD; G. Paul Wright, MD Michigan State University College of Human Medicine
River Overlook F	Post Covid-19 disseminated Cryptococcal infection: The Perfect Storm Presenter: Mudita Bhugra, MD, Clinical/Research Fellow Authors: Mudita Bhugra, MD; Brian Petroelje, MD; Liam Sullivan, DO Spectrum Health, Michigan State University College of Human Medicine

Oral Presentations | 10:50 a.m. - 11:00 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Humanistic Approach to Postoperative Recovery Presenter: Kathrine Kelly-Schuetz, DO, Resident Physician Authors: Kathrine Kelly-Schuetz, DO; Lauren Blanck, BS; Roxanne Kyriakakis, MD; Hordur Kolbeinsson, MD; Mariam Khan, MD; M. Mura Assifi, MD; G. Paul Wright, MD; Mathew Chung, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook B	Lemierre Syndrome: Rare Yet Not Forgotten Presenter: Jared Bishop, DO, Resident Physician Authors: Jared Bishop, DO Spectrum Health
River Overlook C	Incidence of fever associated with dexmedetomidine in critically ill pediatric patients. Presenter: Matthew Naden, PharmD, Pharmacy Resident Authors: Matthew Naden, PharmD; Jessica Parker, MS, GStat; Lindsay Schray, PharmD, BCPPS; Ankit Shukla, PharmD, BCPPS Helen DeVos Children's Hospital
River Overlook D	Pedicle Anterolateral Thigh Flaps for Groin Reconstruction Presenter: Matthew E. Braza, MD, Resident Physician Authors: Matthew E. Braza, MD; Ronald D. Ford, MD, FACS Spectrum Health, Michigan State University College of Human Medicine
River Overlook E	Ethical Concerns Among Patients and Psychiatrists Regarding Psychiatric Electroconvulsive Interventions: Results from a USA Nationwide Survey Presenter: Eren Sipahi, BA, Medical Student Authors: Eren Sipahi, BA; Robyn Bluhm, PhD; Eric Achtyes, MD, MS; Aaron McCright, PhD; Laura Cabrera, PhD Michigan State University College of Human Medicine
River Overlook F	Cocaine in the OR and Chest Pain in the PACU: A Case Report Presenter: Matthew Tiacharoen, MBS, Medical Student Authors: Matthew Tiacharoen, MBS; Nicholas C. Watson, MD Michigan State University College of Human Medicine

Oral Presentations | 11:05 a.m. - 11:15 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Outcomes after partial gastrectomy for malignancy in young patients (<40) based on the Surveillance, Epidemiology, and End Results Program Presenter: Mariam Khan, MD, Clinical/Research Fellow Authors: Mariam Khan, MD; Hordur Kolbeinsson, MD; Matthew Phad, MS; Mathew Chung, MD Spectrum Health
River Overlook B	Relationship Between the Duration of Symptoms Before and COVID-19 Disease Outcome After Monoclonal Antibody Therapy Presenter: Michael Hubbard, DO, Resident Physician Authors: Michael Hubbard, DO; James Polega, MD; Diana Haggerty, PhD; Nicholas Andersen, PhD; Gordana Simeunovic, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook C	IVIg for Management of Donor Specific Anti-HLA Antibodies After Lung Transplant Presenter: Skye Castaneda, PharmD, Pharmacy Resident Authors: Skye Castaneda, PharmD; Sarah Mietz, PharmD, BCTXP; Cameron Lawson; Reda Girgis, MD; Jennifer McDermott, PharmD, BCTXP, BCCPS Spectrum Health
River Overlook D	Single stage nasolabial flap for nasal ala reconstruction Presenter: Megan Dietze-Fiedler, MD, Resident Physician Authors: Megan Dietze-Fiedler, MD; William Cullen, MD Spectrum Health, Michigan State University
River Overlook E	Tracheostomy Troubles: Unknown Congenital Tracheal Diverticulum Causing Failed Re-Intubation and Tracheostomy Tube Placement During Routine Tracheostomy Presenter: Gabriel Augustin, MS3, Medical Student Authors: Gabriel Augustin, MS3; Nicholas Watson, MD; Michael Palmisano, MD Michigan State University College of Human Medicine
River Overlook F	Does distance traveled impact management and outcomes in pancreatic adenocarcinoma patients who are candidates for curative resection? Presenter: Grant Backer; Andrew Alvarado, Medical Student Authors: Grant Backer; Andrew Alvarado; Susanna Wang; Deepthi Devireddy; Mariam Khan, MD; G. Paul Wright, MD; Sreenivasa Chandana, MD, PhD Spectrum Health, Michigan State University

Oral Presentations | 11:20 a.m. - 11:30 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Out of sight, out of mind? The impact on trauma patient opioid use when the medicine administration schedule is not displayed Presenter: Hordur Kolbeinsson, MD, Resident Physician Authors: Hordur M. Kolbeinsson, MD; Matthew M. Lypka, MPH; Steffen Pounders, BS; Laura A. Krech, MPH; Alistair J. Chapman MD, FACS; Charles J. Gibson MD, FACS Spectrum Health
River Overlook B	West Nile Encephalitis Presenter: Jared Wagner, MD, Resident Physician Authors: Jared Wagner, MD Spectrum Health, Michigan State University College of Human Medicine
River Overlook C	Impact of implementation of new standard work and education for pharmacist consult for COPD admission Presenter: Megan Van Baren, PharmD, Pharmacy Resident Authors: Megan Van Baren, PharmD; Heather Christensen, PharmD; Kathryn Dudzinski, PharmD; Daniel Langenburg, PharmD; Amy Pouillon, PharmD Spectrum Health
River Overlook D	Ambulatory Setting Total Autologous Breast Reconstruction as an Alternative to Implants Presenter: Darin Patmon, BA, Medical Student Authors: Darin Patmon, BA; Elizabeth Lucich, MD; Jessica Parker, MS; Ewa Komorowska-Timek, MD Michigan State University College of Human Medicine
River Overlook E	Extracorporeal Membrane Oxygenation in a Gravid Woman with COVID-19 Pneumonia: A Case Report Highlighting Complex Care and Ethics of Resource Utilization During a Pandemic Presenter: Jacob Knowlton, BS, Medical Student Authors: Jacob Knowlton, BS; Matthew H. Armstrong, MD; Nicholas C. Watson, MD Michigan State University College of Human Medicine, Anesthesia Practice Consultants
River Overlook F	A Rare Cause of Acute Abdomen: Case report of Group A Streptococcus Peritonitis Presenter: Pallavi Prabhu, BA, Medical Student Authors: Pallavi Prabhu, BA; Nicholas Watson, MD; Luke Durling, MD Michigan State University College of Human Medicine

Oral Presentations | 11:35 a.m. - 11:45 a.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Severe Traumatic Brain Injury Patients: Direct to Operating Room for Decompressive Craniotomy Presenter: Katie Jaje, BS, Medical Student Authors: Jesse Kelly, MD; Amanda Yang, MD; Katie Jaje, BS; Laura Krech, MPH; Steffen Pounders, BS; Kelly Burns, BS; Jessi Parker, MS, GStat; Alistair Chapman, MD Michigan State University College of Human Medicine
River Overlook B	Cognitive Biases in Medicine - Valve vegetations in a middle-aged male with history of fevers Presenter: Jeffrey Elliott, MD, Resident Physician Authors: Jeffrey Elliott, MD Spectrum Health
River Overlook C	Psychosocial impact of COVID-19 pandemic on ICU personnel at a tertiary care center in the United States Presenter: Nicholas C. Watson, MD, Attending Physician Authors: Nicholas C. Watson, MD; Steffen J. Pounders, BS; Laura A. Krech, MPH; Alistair J. Chapman, MD; Matthew M. Lypka, MPH; Matthew H. Armstrong, MD, MA; Charles J. Gibson, MD; Kathrine A. Kelly-Schuette, MD; Gaby A. Iskander, MD Spectrum Health, Michigan State University College of Human Medicine, Anesthesia Practice Consultants
River Overlook D	To ADM or not to ADM? Outcomes of Pre-pectoral Prosthetic Reconstruction after Nipple-Sparing Mastectomy with and without Acellular Dermal Matrix Presenter: Elizabeth Bushong, BA, Medical Student Authors: Elizabeth Bushong, BA; Ewa Komorowska-Timek MD, FACS; Nicholas Wesley, MD Michigan State University College of Human Medicine
River Overlook E	Hypercarbia Management in A Lung Transplant Patient with Venous-Venous Extracorporeal Membrane Oxygenation Presenter: Joshua Gira, MS2, Medical Student Authors: Joshua Gira, MS2; Nicholas C. Watson, MD; Mark W. Wedder, DO Michigan State University College of Human Medicine
River Overlook F	Using a Re-Purposed Fenestrated Aortic Endograft in a Patient with Salmonella Aortitis Presenter: Jake Nicholson, DO, Resident Physician Authors: Jake Nicholson, DO; Eanas Yassa, MD Spectrum Health

Oral Presentations | 11:50 a.m. - 12:00 p.m.

Location	Title, Presenter(s), Authors, Affiliations/Institutions
River Overlook A	Oops I found it again: Incidental findings in the adult trauma population at a Level I trauma Center Presenter: Siddhartha Dandamudi; Joshua Gira, Medical Student Authors: Siddhartha Dandamudi, MS2; Joshua Gira, MS2; Hordur Kolbeinnsson, MD; Laura Krech, MPH; G. Paul Wright, MD, FACS; Alistair Chapman, MD, FACS; Cathryn Chadwick, MD, FACS Michigan State University College of Human Medicine
River Overlook B	Quality Analysis of a Lifestyle Intervention at a Rural Health Clinic Presenter: John Jansen, MD, Resident Physician Authors: John M Jansen, MD; Diana Haggerty, PhD Spectrum Health
River Overlook C	Report of Serotonin Syndrome Occurring in a Postoperative Patient. Presenter: Michael Kaminski, BSc, Medical Student Authors: Leah Griffioen, DO; Michael Kaminski, BSc; Nicholas Watson, MD Michigan State University College of Human Medicine, Anesthesia Practice Consultants
River Overlook D	Racial Disparities in Implant-Based Breast Cancer Reconstruction: A Retrospective Cohort Study Presenter: Neej Patel, BS, Medical Student Authors: Neej Patel, BS; Darin Patmon, BA; Ihab Saab, MD Michigan State University College of Human Medicine
River Overlook E	Similarities of Closed-Circuit Self-Contained Underwater Breathing Apparatus (CC-SCUBA) and Anesthesiology: Is It Safe After Sequelae That Led to Pulmonary Sleeve Resection? Presenter: Lindsey LeQuia, BS, Medical Student Authors: Lindsey LeQuia, BS; Nicholas Watson, MD; Mark Wedder, DO Michigan State University College of Human Medicine
River Overlook F	Rescuing an Exploding Heart: Delayed STEMI Presenting as Left Ventricular Free Wall Rupture Presenter: Connor Kerndt, MD, Clinical/Research Fellow Authors: Marvin Kajj, MD; Kevin Wolschleger, MD; Connor Kerndt, MD Spectrum Health, Michigan State University

Medical Education Day 2022

Spectrum Health Academy of Professional Educators

The Spectrum Health Academy of Professional Educators (SHAPE) is a group of clinician educators who promote a culture of educational excellence. This, in turn, improves health care outcomes through teaching expertise. The annual Medical Education Day is open to all and will be held in-person.

April 13, 2022
11:00 a.m. – 4:00 p.m.

DeVos Place
303 Monroe Ave NW, Grand Rapids, MI 49503

11:00 a.m. - Workshop: How to Respond to “Do you have any feedback for me?”

Shan Abbas, MD
Neurologist & Epileptologist, Department of Neurosciences, Spectrum Health
Program Director, Neurology Residency Program, Epilepsy Fellowship Program, Spectrum Health / Michigan State University College of Human Medicine
Medical Director, Faculty Development, Spectrum Health Office of Research & Education
Clinical Associate Professor, Michigan State University College of Human Medicine

Kira Sieplinga, MD
Program Director, Pediatric Residency Program, Spectrum Health Helen DeVos Children's Hospital / Michigan State University College of Human Medicine
Assistant Professor of Pediatrics and Human Development, Michigan State University

Justin Triemstra, MD, MHPE
Associate Designated Institutional Official, Spectrum Health
Associate Program Director, Pediatric Residency Program, Spectrum Health Helen DeVos Children's Hospital / Michigan State University College of Human Medicine
Assistant Professor of Pediatrics and Human Development, Michigan State University

12:00 p.m. - Spectrum Health Research Day Keynote Address (RSVP Required)

Matthew Steensma, MD
Section Chief, Orthopedic Surgery, Spectrum Health
Principle Investigator, Steensma Lab at Van Andel Research Institute

2:00 p.m. - Welcome and Presentation of SHAPE Faculty Innovator in Teaching Award

Justin Triemstra, MD, MHPE
Associate Designated Institutional Official, Spectrum Health
Associate Program Director, Pediatric Residency Program, Spectrum Health Helen Devos Children's Hospital / Michigan State University College of Human Medicine
Assistant Professor of Pediatrics and Human Development, Michigan State University

Pamela Jager, MBA, BSN, RN.
Director, Education & Development, Spectrum Health Office of Research and Education

2:15 p.m. - Panel: Looking Beyond COVID-19 in Graduate Medical Education

Maximiliano Tamae Kakazu, MD, FCCP
Program Director, Pulmonary Critical Care Medicine Fellowship Program, Spectrum Health / Michigan State University College of Human Medicine
Assistant Professor of Medicine, Michigan State University College of Human Medicine

TaLawnda Bragg, MD FACP
Program Director, Internal Medicine Residency Program, Spectrum Health / Michigan State University College of Human Medicine
Internal Medicine Hospitalist, Spectrum Health

Harland Holman, MD
Lead Clerkship Director Family Medicine, Michigan State University
Associate Chair of Academic Affairs Michigan State University Department of Family Medicine
Site Lead Spectrum Family Medicine Residency Center
Senior Academic Advisor Primary Health Spectrum Health

Jillian Bybee, MD
Assistant Professor of Pediatrics and Human Development at Michigan State University
Pediatric Intensivist, Director of Quality Improvement and Patient Safety for Pediatric Critical Care Medicine, Spectrum Health Helen DeVos Children's Hospital

3:15 p.m. - Updates from SHAPE mini grantees

"Identifying and Responding to Microaggressions in the Clinical Workplace: An Educational Workshop for Pediatric Residents"

Catherine Ezzio, MD
Fellow, Pediatric Hospital Medicine Fellowship Program, Spectrum Health Helen DeVos Children's Hospital / Michigan State University College of Human Medicine

"To Create and Evaluate the Feasibility of a Pediatric Hematology and Oncology All-Virtual Distance-Learning Elective"

Chi Braunreiter, MD
Associate Professor, Michigan State University Department of Pediatrics and Human Development
Chief, Dewey Learning Society, Michigan State University College of Human Medicine
Medical Director, Pediatric and Neonatal Thrombosis Service, Division of Pediatric Hematology and Oncology, Spectrum Health Helen DeVos Children's Hospital

Updates from SHAPE mini grantees (continued)

"Micromanagement During Clinical Supervision: Scope of Problem and its Impact"

Bhawana Arora, MD

Program Director, Pediatric Emergency Medicine Fellowship Program, Spectrum Health Helen Devos Children's Hospital / Michigan State University College of Human Medicine
Spectrum Health Medical Group

"Factors Shaping Professional Identity Formation and Career Choice in Pediatric Residents"

Ai Yamasaki, MD

Resident, Pediatrics Residency Program, Spectrum Health Helen Devos Children's Hospital / Michigan State University College of Human Medicine

"Quality Improvement Didactic Curriculum for Neurology and Neurosurgery Residents"

Rushna Ali, MD

Associate Residency Program Director, Neurosurgery Residency Program, Spectrum Health / Michigan State University College of Human Medicine
Clinical Assistant Professor, Michigan State University
Director of Restorative and Functional Neurosurgery

"Development of Empathy Utilizing Reflective Writing and a Longitudinal Relationship with Caregivers of Children with Medical Complexity in a Pediatric Residency"

Kira Sieplinga, MD

Program Director, Pediatric Residency Program, Spectrum Health Helen Devos Children's Hospital / Michigan State University College of Human Medicine
Assistant Professor of Pediatrics and Human Development, Michigan State University

Thank You and Congratulations!

Thank you to the judges, moderators, event staff and planning committee. Research Day could not be done without you. Congratulations to all the presenters--we learned so much from you! Winners will be announced soon and notified via email. We look forward to seeing you next year.

Spectrum Health Office of Research and Education

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- www.spectrumhealth.org/medical-education
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