

Research & Scholarship Day

Celebrating MAHEC Learner Scholarship

Wednesday, April 10, 2024

Names in **bold** indicate presenters

Plenary Presentations | Noon - 1:00 pm

Vitamins That Matter: Primary Care Physicians are under screening for B12 Deficiency in Type II Diabetes Patients on Metformin | **Boone Marois, MD**, Resident - MAHEC Family Medicine; **Al Kopak, PhD**, Chelsea Atkins, MS, MPH - MAHEC Program Evaluation & Research; Jessica Knapp, DO - MAHEC Sports Medicine

Improving Hypertension Control Through Bluetooth Home Monitors: A Quality Improvement Study at Blue Ridge Health Funded by The Dogwood Trust | **Isla Neel**, MPH Candidate - UNC Asheville-UNC Gillings Master of Public Health Program; Andrew Morris, MD, MaryShell Zaffino, MD - Blue Ridge Health

Approaches to Treating Kratom Use Disorder in the Perinatal Population: A Case Comparison of Three Patients in Rural Western North Carolina | **James Hardy, BS** - Davidson Impact Fellow; Olivia Caron, PharmD, BCACP, CPP, Amy Marietta, MD, MPH, FAAFP, FASAM - MAHEC Project CARA; Nathan Mullins, MD - MAHEC Ob/Gyn

Poster Presentations | 5:00 - 7:00 pm

Analysis of Diabetes Control in the Presence of Depression in a Rural Primary Care Clinic | **Haley Fenner**, PharmD candidate; Amanda Savage, PharmD; Stephanie Kiser, RPh; Irene Ulrich, PharmD, CPP - MAHEC Family Health

Assessing the Experiences of Transgender and Nonbinary Patients in an Academic Family Medicine Clinic | **Kaylee Deardorff**, Chichi Zhu - UNC School of Medicine students; Ben Kaplan, MD, MPH, Riley Smith, MD - UNC Family Medicine

Buncombe Bridge to Care: Program Outcomes | **Courtney Coules, MPH**, Kasey Pike, NCCPSS, Carla Frye, CMA, PSS, CADC-R, Laurie Sykes, NCCPSS, CHW, CADC-I - MAHEC Psychiatry; Tess Friesen - MAHEC Public Health Integration; Zach White, LCSW, LCAS, CSI, Maddi Spainhour, RN, BSN, CARN, Nick Hunter, Carriedelle Fusco, FNP - MAHEC Family Medicine; Kayla Rice - MAHEC CPD

Colorectal Cancer Screening: An Educational Intervention for Primary Care Providers | **Kayleigh Lewis, MD**, Stephanie Call, MD, MSPH - MAHEC Internal Medicine; Al Kopak, PhD, Chelsea Atkins, MS, MPH - MAHEC Program Evaluation & Research

Completion of Iron Carboxymaltose vs Iron Sucrose Regimens for Iron Deficiency Anemia in Pregnant Patients | **Lucey Gavilinski**; Jason Collier, MD, Resident - MAHEC Ob/Gyn; Katherine Grette, MD, Faculty - MAHEC Ob/Gyn

Development of PainFace Software to Simplify, Standardize, and Scale Up Mouse Grimace Analyses | **Joshua Lopez** with others from various departments and centers at UNC Chapel Hill - Eric S. McCoy, Sang Kyoong Park, Rahul P. Patel, Dan F. Ryan, Bonnie Taylor-Blake, Kelly A. Vandena, James L. Krantz, Wenxin Hu, Rosanna L. Garriss, Magdalyn G. Snyder, Adam D. Kashlan, Sanya Shah, Abigail K. Trocinski, Samhitha S. Pudipeddi, Rami M. Major, Hannah O. Bazick, Morgan R. Klein, Guorong Wu, Mark J. Zylka; Kitware Inc. - Zachary J. Mullen, Jacob, J. Nesbitt; McGill University, Montreal - Lucas V. Lima, Susana G. Sotocinal, Jean-Sebastien Austin, Jeffrey S. Mogil

Impact of Pre-Clinical Teaching on Medical Students' Attitudes & Interest in Nephrology | **Anameeka Singh**; Yara Abumohsen; Heather Morris, MD; Longfei Zhang; Quefeng Li, PhD; Koyal Jain, MD, MPH

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2024 MAHEC Research & Scholarship Day, continued

Impact of the COVID-19 Pandemic on Prenatal Genetic Screening Test Acceptance in Western North Carolina | Anna Phares, DO, Resident, Nafiah S. Enayet, MD, Resident - MAHEC Ob/Gyn; Shelley L. Galvin, MA, Carol C. Coulson, MD, FACOG - MAHEC Ob/Gyn Residency Faculty; Diana Marquez; James Hong; Micha Belden, PhD - MAHEC Program Evaluation & Research (former)

A Medical Student-Run Auditing System for Unintentionally Retained Foreign Object Prevention | Cody Mitchell, BS, with others from various departments, divisions and schools at UNC Chapel Hill - Logan Butler, MD, Kathryn Calloway BS, Ashley Manifold, BA, Jennifer Bissram, MSIS, John Falk, MHA, John Hudson, PhD, RN, NEA-BC, FACHE, Lauren Schiff, MD, Moe Lim, MD, Lukasz Mazur, PhD

Naloxone Access Quality Improvement Initiative Led by Pharmacy Team in a Perinatal Substance Use Clinic in Western North Carolina | Autumn Ward, McKenna Knock, PY4 - UNC Eshelman School of Pharmacy; Olivia Caron, PharmD, BCACP, CPP - MAHEC Project CARA

Patterns of Care and Outcomes in Patients with Pancreatic Cancer Treated with Radiotherapy | Arvind Rajan, MPH; Elizabeth Gleeson, MD, MPH; Veronica Pham, MPH; Karyn A. Goodman, MD, MS

Pharmacist-Led Outpatient-Based Opioid Treatment Clinic within MAHEC Family Medicine | Abby Bechtol, PharmD, Resident, Olivia Caron, PharmD, BCACP, CPP - MAHEC Family Medicine

Qualitative Assessment of Recommendations from an Interprofessional Hormonal Contraception Summit Focused on Increasing Uptake and Impact of Pharmacist-Prescribed Contraception | Mollie Scott, PharmD, BCACP, CPP, FASHP, FNCAP, MAHEC Pharmacotherapy / UNC Eshelman School of Pharmacy; McKenna Knock, PY4, Amanda Savage, PharmD, Macary Marciniak, PharmD, Deborah Sturpe, PharmD - UNC Eshelman School of Pharmacy

Ratio of Cholesterol to Triglycerides within High-density Lipoprotein as a Novel Marker of Risk for Myocardial Infarction | Yuka Koyama, MS3 – UNC School of Medicine; Christy L. Avery; Kristin Young; Sarah H. Koenigsberg; Carolina G. Downie; Meyer L. Michelle; Daniel I. Chasman; Kathryn M. Rexrode; Kari E. North; Ming Ding

Retrospective Chart Review of Antipsychotic Prescribing Patterns at MAHEC and a Proposed Intervention to Reduce Racial Disparities in Care | Emily Kulpa, DO, Resident - MAHEC Psychiatry Program; Micha Belden, PhD - MAHEC Program Evaluation & Research (former); Stephen Buie, MD - MAHEC Department of Psychiatry

Review of Non-Traditional Buprenorphine Inductions in a Family Medicine Practice in Western North Carolina | Emili Anderson, PharmD Candidate - UNC Eshelman School of Pharmacy; Olivia Caron, PharmD, BCACP, CPP, Andy Warren, PharmD - MAHEC Family Medicine

A Scoping Review of Individual Outbreaks of Nosocomial Norovirus Infections Between 2012-2022 | Zachariah Stern - UNC School of Medicine, University of Minnesota School of Public Health

Screening for Postpartum Depression in Patients at a Perinatal Substance Use Clinic in Western North Carolina | Brooke Jordan-Brown, PY4, Stephanie Kiser, RPh, Amanda Savage, PharmD - UNC Eshelman School of Pharmacy; Amy Marietta, MD, MPH, FAAFP, FASAM - MAHEC Project CARA; Abby Bechtol, PharmD, Resident, MAHEC Pharmacotherapy; Olivia Caron, PharmD, BCACP, CPP - MAHEC Family Medicine

Towards Equitable Care Access: Policy Recommendations for the Future of AI-Enhanced Mapping in Western North Carolina | Moriah Barker, MPH Student; Ana Cabello-De La Garza, MSW, MPH, Bryan Hodge, DO - MAHEC Community and Public Health; Joan Colburn, MLIS - MAHEC Library Science (retired)

When Injuries Play Dirty: Right Shoulder Pain in a 14-year-old Dirt Biker | Anastasia Weinberg, MD, Resident - MAHEC Family Medicine; Brian Atkinson, MD - MAHEC Sports Medicine; Ole Raustol, MD - Mission Children's Specialists – Orthopaedics