

# Research & Scholarship Day

Celebrating MAHEC Learner Scholarship

Wednesday, April 2nd, 2025

## Plenary Presentations | Noon - 1:00 pm

**"MAHEC has given me a new life": A Qualitative Analysis of Patient Experience Data** | *Hannah Reese MPH, Jackie Domanico LCSW, Nikki Garcia CPXP, Julianne Power PhD*

**A Double-Blind, Randomized Pilot Study to Investigate the Thermosensitivity of a Topical Palmitated Formulation of Capsaicin** | *Casey Engel MD, Embelle Ngalame-Eko MA, Monica Ahrens PhD, Zachary Holcomb MD, Joshua Eikenberg MD, MPH*

**Mental Health Screening Utility of the National Outcome Measures (NOMS) Survey** | *Elizabeth Hagenmaier DO, Al Kopak PhD, Julianne Power PhD*

## Poster Presentations | 5:00 - 7:00 pm

**A Seven Year Retrospective Look at MAHEC's Rural Fellowship Model** | *Kylie Agee MPA, Benjamin Gilmer MD, MS*

**A Liddle Bit of KCl, a Liddle Bit of Citrate: A Case of Severe, Refractory Hypokalemia** | *Binil Jacob, MD*

**A Novel Curriculum to Improve Mental Health Education in Primary Care** | *Nancy Kubiak MD, Steve Buie MD, Anna Pfeiffer PharmD, Al Kopak PhD, Chelsea Atkins MS MPH, Stephanie Call MSPH MD*

**Assessing Barriers and Facilitators to Hepatitis C Treatment Services within Buncombe County Detention Center** | *Annie Bicego BS, Courtney Coules MPH*

**Assessment of the Impact of Adding a Clinical Pharmacy Team to an Office-Based Opioid Treatment (OBOT) Program in a Primary Care Ambulatory Setting** | *Zachary Richardson PharmD Candidate, Amanda Savage PharmD, Stephanie Kiser RPh, Olivia Caron PharmD BCACP CPP*

**Automated Insulin Delivery in Adults with Type 2 Diabetes** | *Francisco J. Pasquel MD MPH, Georgia M. Davis MD, David M. Huffman MD, Anne L. Peters MD, John C. Parker MD, Lori M. Laffel MD MPH, Giulio R. Romeo MD, Justin Mathew MD, Kristin N. Castorino DO, Davida F. Kruger NP, Kathleen M. Dungan MD MPH, Mark Kipnes MD, Edward C. Jauch MD, Tamara K. Oser MD, Viral N. Shah MD, Barry Horowitz MD, Anders L. Carlson MD, Mark L. Warren MD, Wasim Deeb MD, John B. Buse MD, John H. Reed MD, Jason Berner MD, Thomas Blevins MD, Chris Bajaj DO, Craig Kollman PhD, Dan Raghinaru MS, Trang T. Ly MBBS PhD, Roy W. Beck MD PhD; for the Omnipod 5 SECURE-T2D Consortium*

**Backed up: A Review of Stercoral Colitis** | *Teebro Rahman MD, Peiweng Chen MD*

**Beyond the Fibroid: Imaging Clues to Identifying Uterine Leiomyosarcoma** | *Nicholas Roberts MD, Peiweng Chen MD*

**Bouveret Syndrome: A Rare Complication of Cholelithiasis** | *Kayleigh Lewis MD, David May MD*

**Cardiomyopathy and positive methamphetamine urine drug screen among patients in Western North Carolina** | *David Notman MD, Al Kopak PhD, Chelsea Atkins MS, Zachary Taylor MD, Stephanie Call MD MSPH, Vinay Thohan MD*

**Comparison of Quadratum Lumborum (QL) Block Versus Pericapsular Nerve Group (PENG) with Lateral Femoral Cutaneous (LFC) Nerve Blocks for Analgesia After Hip Arthroplasty: A Prospective, Randomized Clinical trial** | *Carla Lautenschlager, Ellen Hay, Tara Kelly, Bethany J Wolf, Erik Hansen, Andrew Brown, Sylvia H Wilson*

**Concordance of Radiology and Dermatology Diagnoses of Skin and Soft Tissue Infections: A Retrospective Cohort Analysis** | *Varshita Chirumamilla BS, Matthew Gallardo MD, Rachel Kirven MDc*

**Detection of Parenchymal Edema and Artifact Reduction Using 190 keV Virtual Monoenergetic Imaging in Dual-Energy Head CT** | *Shane G. Stephenson MD, Kevin D. Hiatt MD, Kevin J. Reger MD* [Continued →](#)

## **2025 MAHEC Research & Scholarship Day, continued**

**Estimated Reduction in Contaminant Blood Cultures and Associated Harm by Implementing Shapiro Criteria |**  
*Sharidan Maxwell Hill MD, Edward Jauch MD, Chelsea Atkins MS, MPH, Al Kopak PhD, Stephanie Call, MD, MPH*

**Evaluation of "Low Threshold" Early Diabetes Screening Practices at MAHEC |**  
*Rajesh Paladugu MD, Lisa Foglia MD, Traci Carson PhD, Katherine Grette MD*

**Exploring how High-Risk Patients with Opioid Use Disorder (OUD) Engage in Low-Barrier Treatment Services |**  
*Courtney Coules MPH, Julianne Power PhD, Al Kopak PhD, Tess Friesen MPH, and Carriedelle Fusco MSN, FNP-BC*

**Guiding the Graduate Medical Education Journey: Identifying and Applying Best Practices to Inform Optimal End-User Experience with Online Guides |**  
*Ellen M. Justice MLIS AHIP, Mary M. Everist MLS, and Scout Shaw BS*

**Improving Care Quality for Children with Medical Complexity Following Discharge from the Hospital Utilizing Transitional Care Management |**  
*Jordan Besh, Alexandra Weir, Samantha Orr RN BSN CPN, Kristen Cole MSN PNP-PC, Maria Carvajal BA, Amy Stewart RN BSN, Lyndsi Sigmon BA, Heidie Tkach, Ashley Sutton MD, Neal deJong MD MPH*

**Increased Risk of Skin Cancer in Patients with Lifestyle-Related Diseases: A TriNetX Database Analysis |**  
*Mara Daniela Trifoi MD, Boone Marois MD*

**Integrated Tobacco Cessation Group |**  
*Kyulee Park EVMS, Dr. Bruce Britton EVMS*

**Interprofessional Naloxone Quality Improvement Initiative in an Office-Based Opioid Treatment Ramily Medicine Clinic in Western North Carolina |**  
*Sarah Beth Neal MD MAHEC FM PGY-3, Oliva Caron PharmD BCACP CPP*

**Leveraging Medical Education to Shape Medical Students' Misconceptions About Race |**  
*Ashley Andreou, J. Corey Williams, Brendan T. Crow, Hailey Roumimper, Constanza Menendez Alurralde, Sarah Kureshi*

**Opioid Use Disorder Treatment and Disengagement from the Criminal Legal System|**  
*Albert Kopak PhD, Sierra Thomas MA, Sarah Friedman MA MPH, Micha Belden PhD*

**Pharmacist-led Home Blood Pressure Monitoring and Team Care for Uncontrolled Hypertension |**  
*Coyne A.BS, Brennan, M. BS, Scott M. PharmD, Cummings D.M. PharmD, Halladay J.R. MD, MPH, Richman E. PhD, Heart to Heart Writing Group*

**Why Not Geriatrics? Trainee Attitudes towards and Beliefs about this Career Path |**  
*Emily Kulpa MD (University of Pennsylvania), Sierra Thomas MA, Emma Williams, PharmD, Tasha Woodall, PharmD, Carissa Lau MD*