

# Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

**This event is Virtual**

**Saturday, Feb 22, 2025**

<b>Conference Opens: 7:50 am</b>	<b>Introductions, Agenda, CME and details</b>
<b>4 Educational Research: 8:00-9:20 am</b>	<b>Presentation time 15 minutes Q&amp;A 5 minutes</b>
<p><b>Student Perceptions of a Clinical Reasoning Workplace Based Assessment</b></p> <ol style="list-style-type: none"> <li>1. Evaluate the impact of ART on student perceptions of feedback quality</li> <li>2. Analyze trends in preceptor engagement and feedback delivery by comparing preART and postART implementation phases</li> <li>3. Demonstrate the broader implications of clinical reasoning tools to improve diagnostic efficiency and patient centered care</li> </ol>	<p>Galbraith, Tyler*, Vasu, Varsha*, Sarkar, Arindam, MD; Hirth, Jacqueline K, PhD</p> <p style="text-align: center;">*Equal Contribution</p>
<p><b>Procedural Workshop with Simulations for Family Medicine Residents</b></p> <ol style="list-style-type: none"> <li>1. Learn and demonstrate relevant skills to perform laceration repairs and punch biopsies</li> <li>2. Summarize indications and contraindications for each procedure</li> <li>3. Describe the evidence-based benefits and risks for each procedure</li> </ol>	<p>Itai Ojo DO , Katherine Ly DO, Anjali Aggarwal MD , Rashmi Rode MD, Mohamad A. Sidani MD</p>
<p><b>Pilot to Support Early Relational Health During Well Child Visits</b></p> <ol style="list-style-type: none"> <li>1. Describe Early Relational Health and its impact on childhood development in mitigating adverse events</li> <li>2. Discuss how to integrate Early Relational Health training into well child visits</li> <li>3. Discuss barriers encountered in implementing early relational Health into well child visits in a busy residency continuity clinic and potential solutions</li> </ol>	<p><b>Elaine Wendt MD</b></p>
<p><b>Enhancing Midterm Feedback in Family Medicine Clerkships: Integrating the WOOP Exercise for Meaningful Student Development</b></p> <ol style="list-style-type: none"> <li>1. Recognize the importance of midterm feedback as a formative exercise for competency based education</li> <li>2. Determine the value of soliciting student perspectives about their development, deficiencies, and goals as a precursor to 1-1 midterm feedback</li> <li>3. Assessing the efficacy of tools such as WOOP to improve relevancy and efficacy of feedback</li> </ol>	<p><b>Ana Crew, Hammad Mahmood, Malvika Juneja</b></p>

## Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

<b>3 Completed Research 9:20- 10:20 am</b>	<b>Presentation time 15 minutes/ Q&amp;A 5 minutes</b>
<p><b>Miscarriage Incidents and Maternal Depression: Examining the Mediating Psychosocial Variables</b></p> <ol style="list-style-type: none"> <li>1. Examine the prevalence and impact of miscarriage on maternal mental health.</li> <li>2. Investigate the psychosocial mediators in miscarriage and depression relationship.</li> <li>3. Emphasize the complex interplay of biopsychosocial factors influencing women's experiences of miscarriage and its practice implications</li> </ol>	<p><b>Chinh Duong, DSW, LCSW;</b> David Patterson, PhD; Lisa Zottarelli, PhD; Aubrey Jones, PhD</p>
<p><b>Effect of Training Exposure on Buprenorphine Prescribing after X-waiver Elimination</b></p> <ol style="list-style-type: none"> <li>1. Quantify the number of incidental abnormal findings, (cataracts, glaucoma, and age-related macular degeneration (AMD), on screening diabetic retinopathy in patients with diabetes aged 40 and older)</li> <li>2. Identify subgroups at highest risk for abnormal ophthalmologic conditions</li> <li>3. Interpret findings in the context of conflicting recommendations on ophthalmologic screens provided by the United States Preventative Service Task Force (USPSTF) &amp; American Academy of Ophthalmology (AAO)</li> </ol>	<p><b>Justin Nguyen, BS,</b> Sung In H. Kim-Vences, MD, MPH, Colleen Keough, MD, MPH, Kyle Suen, MD, Jacqueline Hirth, PhD, MPH, Roger Zoorob, MD, MPH, FAAFP, Alicia Kowalchuk, DO, FASM1</p>
<p><b>The Effects of COVID-19 on Access to Healthcare in Houston</b></p> <ol style="list-style-type: none"> <li>1. Understand how COVID-19 effects access to healthcare</li> <li>2. How comorbidity effects those who have had COVID-19 and their access to healthcare</li> <li>3. Discuss potential solutions to reduce healthcare access related to pandemics</li> </ol>	<p>Willie Rajvong, DrPH , Jacqueline Hirth, PhD, MPH , <b>Wilford Robinson, MS;</b> Christine Walther, PhD; Roger Zoorob, MD, MPH, FAAFP</p>
<b>3 Quality Improvement Completed: 10:20- 11:20 am</b>	<b>Presentation time 15 minutes/Q&amp;A 5 minutes</b>
<p><b>Impact of Educational Interventions for Resident Physicians on Sleep-Wake Disorder Management</b></p> <ol style="list-style-type: none"> <li>1. Describe the impact of untreated or improperly managed obstructive sleep apnea on chronic health conditions</li> <li>2. Recognize the paucity of curricular exposure to residents of Family Medicine programs regarding appropriate diagnosis and management of sleep-wake disorders.</li> <li>3. Evaluate and assess the knowledge gap regarding sleep-wake disorders amongst BCM FCM Residents</li> </ol>	<p><b>Justina Jose, MD;</b> Huda Khan MD; Rashmi Rode, MD</p>

## Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

<p><b>Overcoming access, workflow and physician factors to improve cardiovascular outcomes in TEDM patients.</b></p> <ol style="list-style-type: none"> <li>1. Deliberate on reasons for commonly seen suboptimal LDL-C control in patients with T2DM</li> <li>2. Analyze patient and provider based barriers for achieving recommended lipid goals</li> <li>3. Assess the efficacy of an aggressive therapeutic intervention for panelled established patients in a safety net setting.</li> </ol>	<p>Ali, Afroze, M.D. Afzalpukar, Rekha, M.D., Malhotra, Nidhi, M.D., Nambi, Preethi, M.D., <b>Ambreen Mujahid M.D.</b></p>
<p><b>Microalbuminuria Screening needs integrated EMRs and Efficient Workflows</b></p> <ol style="list-style-type: none"> <li>1. Discuss reasons for microalbuminuria screening in ambulatory clinics as an essential quality metric</li> <li>2. Identify barriers to optimal screening for and therapeutic management for early kidney disease</li> <li>4. 3. Support need for assistance to physicians in managing quality screening protocols in underserved populations</li> </ol>	<p><b>Rekha Afzalpurkar MD,</b> Malvika Juneja MD, Roger Zoorob MD MPH</p>
<p><b>2 Case Reports: 11:20-12:00pm</b> <span style="float: right;"><b>Presentation time 15 minutes/ Q&amp;A 5 minutes</b></span></p>	
<p><b>Oral Pathology in Adults: Cases from the Same Day Clinic</b></p> <ol style="list-style-type: none"> <li>1. Learn about the incidence of oral pathology in primary care</li> <li>2. Review the differential diagnosis of oral pathology</li> <li>3. Review the diagnostic approach and treatment of oral pathology.</li> </ol>	<p><b>Fabrizia Faustinella, MD,</b> PhD; Crystal Ugarte, NP</p>
<p><b>Hereditary Hemorrhagic Telangiectasia: When AVMs Cause Stroke and Hypoxemia</b></p> <ol style="list-style-type: none"> <li>1. Recognize that a paradoxical embolus from a pulmonary arteriovenous malformation may cause asymptomatic hypoxia and stroke-like symptoms.</li> <li>2. Recognize that large pulmonary arteriovenous malformations are associated with hereditary hemorrhagic telangiectasia (HHT) syndrome</li> <li>3. Diagnose hereditary hemorrhagic telangiectasia using the Curacao diagnostic criteria in patients presenting with large pulmonary arteriovenous malformations.</li> </ol>	<p><b>Neil Kotta, BS;</b> Karthik Goli, BS; Eduardo Ortiz, BA; Jaime Rueda, MD</p>
<p><b>Lunch: 12:00 pm-12:20 pm</b></p>	
<p><b>4 Research Work in Progress: 12:20-1:40pm</b> <span style="float: right;"><b>Presentation time 15 minutes/ Q&amp;A 5 minutes</b></span></p>	
<p><b>Impact of gabapentin regulation on age-adjusted opioid overdose trends in the United States, 2013-2022</b></p> <ol style="list-style-type: none"> <li>1. Understand gabapentin's medical uses, adverse effects and its role in opioid-related overdose deaths.</li> <li>2. Evaluate the impact of state-level gabapentin regulations, including Schedule V classification and mandatory PDMP reporting, on opioid overdose mortality.</li> <li>3. Discuss the implications of the study's findings for gabapentin prescribing practices and monitoring adverse effects, especially in patients concurrently using opioids.</li> </ol>	<p><b>Conrad Say, BS;</b> Hiroko Furo, MD</p>

## Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

<p><b>Patient perceptions of an educational intervention to reduce urine sample contamination</b></p> <ol style="list-style-type: none"> <li>1. Discuss urine culture contamination in our Harris County safety net clinics</li> <li>2. Explain the development of an educational intervention to reduce urine sample contamination</li> <li>3. Present patient perception on the educational intervention and future work</li> </ol>	<p><b>Ashley Collazo, MD</b>, Barbara Trautner, MD PhD; Rosalyn Campbell, PhD LMSW; Azalia Mancera; Kiara Olmeda; Fabrizia Faustinella MD, PhD; Mohamad Sidani MD; Lisa Danek MD; Kenneth Barning MD; Michael K Paasche-Orlow, MD MPH; Roger Zoorob, MD MPH; Larissa Grigoryan, MD PhD;</p>
<p><b>Employee acceptance of a psychiatry program to increase client access to mental health treatment during the substance use withdrawal period: a qualitative program evaluation</b></p> <ol style="list-style-type: none"> <li>1. To discover the current process flow for clients through facilities such as the Houston Recovery Center facilities the growth of client trust in staff and the recovery process</li> <li>2. To learn about the positive of mental health treatment on staff and clients in the substance use disorder withdrawal period</li> <li>3. To be informed on the barriers and areas of improvement to service and mental health treatment at the Houston Recovery Center facility</li> </ol>	<p style="text-align: center;"><b>Melina Corriveau BS;</b> Jacqueline Hirth PHD, MPH</p>
<p><b>Evaluation of integrated primary care services at a women’s substance use recovery and treatment center</b></p> <ol style="list-style-type: none"> <li>1. Describe the integration of primary care services into substance use disorder (SUD) treatment at the I-CARE clinic at Santa Maria Hostel</li> <li>2. Demonstrate patient satisfaction with I-CARE clinic services based on a program evaluation survey</li> <li>3. Inform the development of future services at the I-CARE clinic</li> </ol>	<p style="text-align: center;"><b>Melina Corriveau;</b> Alicia Kowalchuk; Roger Zoorob; Jacqueline Hirth; Brianna Miranda</p>
<p><b>Coffee Break – 1:40 pm- 1:45 pm</b></p>	
<p><b>7 Quality Improvement Work in Progress: 1:45-3:30pm</b> <span style="float: right;"><b>Presentation time 15 minutes</b></span></p>	
<p><b>Are we being culturally sensitive? Assessing disparities in cervical cancer screening timeliness</b></p> <ol style="list-style-type: none"> <li>1. Identify disparities in cervical cancer screening in relation to patient's BMI and race.</li> <li>2. Develop culturally sensitive interventions at worksites to promote health equity.</li> <li>3. Apply tailored screening guidelines for population at higher risk for screening fallouts.</li> </ol>	<p><b>Christine Crumbley, MD, PhD;</b> Sally Khoury, MD; Adam Mendonca, MD; Shivanki Juneja, BA; Jacqueline Hirth, PhD, MPH; Chelsea Mendonca, MD; Rashmi</p>

## Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

<p><b>Beyond Prescriptions: Impact of personalized after visit summaries and scheduled follow ups in uncontrolled diabetes patients</b></p> <ol style="list-style-type: none"> <li>1. Understand how self-efficacy influences patient outcomes in chronic disease management.</li> <li>2. Deliberate on effective management of non-adherence and SDOH that inevitably expand patient visits</li> <li>3. Utilize after-visit summaries and structured follow-up to improve patient engagement and outcomes.</li> </ol>	<p><b>Afroze Ali, MD;</b> Mehrotra Nidhi, MD; Ambreen Mujahed, MD; Rekha Afzalpurkar, MD; Preethi Nambi, MD.</p>
<p><b>Group Education for Hypertension Management at a Community-based County Clinic</b></p> <ol style="list-style-type: none"> <li>1. Learn about the steps taken to design a patient education class to improve hypertension literacy .</li> <li>2. To pilot the effectiveness of a brief group hypertension class on blood pressure management and patient hypertension awareness in an underserved community-based county clinic.</li> </ol> <p>Improve blood pressure control in a socioeconomically challenged patient population.</p>	<p><b>Amna Waqar MD, FAAFP</b> Edis Elizabeth Villatoro, BSN, RN, Jocelyn Thomas, PHARM D, Roma Anna Christine, RD, Jonnae Atkinson, MD, MS</p>
<p><b>Weight management service in Community clinic -A Primary care perspective</b></p> <ol style="list-style-type: none"> <li>1.To study the effectiveness of obesity focused care in community clinic.</li> <li>2.To understand the impact of comprehensive education and support in management of obesity.</li> <li>3. To assess the benefit of weight management on metabolic panel1. Examine screening, diagnosis, management, and treatment process of chronic health conditions in the immigrant and refugee population of the Houston Metro Area</li> </ol>	<p><b>Bharat Joshi, MD,FAAFP, Dip ABOM;</b> Sanjana Bhattarai, MD, FAAFP, Dip. ABOM</p>
<p><b>Empowering Women: A Quality Improvement Initiative to Increase HPV Vaccine Education and Uptake in Adults Aged 18-45</b></p> <ol style="list-style-type: none"> <li>1. Identify the barriers to HPV vaccinations in underserved patient populations</li> <li>2. Assess the knowledge gap in Staff and Providers that can cause suboptimal HPV vaccine prescribing.</li> <li>3. Study the impact of the sandwich technique to efficiently provide vaccine related education in a busy primary care clinic.</li> </ol>	<p><b>Priya Ghael, MD;</b> Nidhi Malhotra, M.D., Eric Lee, M.D, Soledad Khoury, M.D., Dalia Khera, Nadia Khera, Jacqueline Hirth, Malvika Juneja</p>
<p><b>Introduction to Dermoscopy and the Integration of Dermoscopy into E-Consults</b></p> <ol style="list-style-type: none"> <li>1. On completion of this session, participants should have basic knowledge of how to operate the DermLite DL1 dermatoscope.</li> <li>2. On completion of this session, participants should be able better recognize features of skin lesions which may require further evaluation.</li> <li>3. On completion of this session, participants should be able to utilize Epic Dermatology E-consult feature and upload images using the Haiku app.</li> </ol>	<p>Jenny Beldin, M.D.; <b>Tara Everett, M.D.;</b> Justina Jose, M.D.</p>

## Department of FCM, Baylor College of Medicine 5<sup>th</sup> Annual Research Day

### Impact of regularly scheduled continuity of care on quality improvement outcomes

1. Analyze the historical emphasis of PCMH and its potential in current day practice.
2. Determine the impact of continuity of care and regularly scheduled visits on patient outcomes
3. Recognize physician patient relationship as an important foundation for effective management

Jo Anna R. Fields-Gilmore,  
Rashmi Rode, Malvika Juneja

**Combined Q&A for Quality Improvement Work In Progress in Parallel Q&A Atrium**

**Conference Closing 3:30 pm**