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Research Rounds 1 Saturday, May 17, 2025 8:00 AM – 9:00 AM

ePoster Research Rounds (CME): 6-minute ePoster presentations within a 60-minute time block

ePoster 1: Gemella morbillorum Infection in a Male Patient with Breast Cancer

Gemella morbillorum is a rare cause of soft tissue infection. In this case, a 52 year old male with a past medical history of breast cancer presented with a right chest wall infection post radiation therapy to the region. The wound culture demonstrated infection with Pseudomonas, Enterococcus and Gemella and the patient was started on empiric antibiotics. The patient ultimately needed a wound washout, followed by a latissimus dorsi flap reconstruction by plastic surgery.

Presenter: Anna R. Mutschler, BS, PA-S2 – PA Student, Quinnipiac University

Additional Authors:

Joshua Freund – PA-C, DMSc, Quinnipiac University

ePoster 2: Immune Checkpoint Inhibitor-Associated Triple ‘M’ Overlap Syndrome: A Case Study

This is a case study that highlights the rapid progression of Triple "M" Overlap Syndrome (TMOS) in a 75-year-old male with metastatic melanoma following immune checkpoint inhibitor therapy. It exemplifies the importance of early recognition and multidisciplinary management of immune-related adverse events to improve patient outcomes.

Presenter: Sofia A. Soto Chavez, PA-C – Physician Assistant, Moffitt Cancer Center

Hardik Thakkar, MSPAS PA-C – APP Supervisor, APP Fellowship Coordinator at Moffitt Cancer Center, Moffitt Cancer Center

Additional Authors:

Samuel Jalali, Doctor of Medicine – Attending Physician, Moffitt Cancer Center

Neha Verma – Medical Director, Department of Internal and Hospital Medicine, Moffitt Cancer Center

ePoster 3: Improving Head and Neck Cancer Outcomes Through PA Led Initiatives

This presentation explores PA-led initiatives addressing multidisciplinary needs in head and neck cancer care at a safety-net institution. Using a quality improvement approach and patient journey mapping, they utilized strategies to optimize pre-anesthesia evaluations, referrals, coordination with oral and maxillofacial surgery for dental extractions prior to start of radiation therapy, and timely treatment, while enhancing equity and care delivery for vulnerable populations.

Presenter: Joshua Hockaday, PA-C – Physician Assistant, John Peter Smith Hospital

Additional Authors:

Ashley Hall, PA-C – Physician Assistant, John Peter Smith Hospital/ Acclaim

Anna Zurek – Non-Categorical Oral Surgery Intern, John Peter Smith Hospital

Antranig Mesrobian – Non-categorical Oral Surgery Intern, John Peter Smith Hospital

Cortney Moore – Registered Dental Assistant Residency Coordinator, John Peter Smith Hospital

Caitlyn McGue – Oral and Maxillofacial Surgeon, Maxillofacial Oncology and Reconstructive Surgery Fellow, John Peter Smith Hospital

David Schwitzer – Oral and Maxillofacial Surgeon, Maxillofacial Oncology and Reconstructive Surgery Fellow, John Peter Smith Hospital

eposter 4: Insurance Coverage and Viral Suppression in HIV Patients

This study evaluates the impact of Ryan White funding (RWF) on achieving viral suppression (VS) among HIV patients at a federally funded clinic in Utah. Results showed no significant difference in VS timelines between RWF and non-RWF patients, though RWF patients required more interpreter services. Despite barriers, 85% of patients achieved VS, with 72% meeting the goal within 120 days. Findings highlight the importance of funding programs like RWF in providing equitable and effective HIV care.

Presenter: Jennifer M. Coombs, Dr – Professor, University of Utah Physician Assistant Program

Additional Authors:

Leigh Elrod, DPAS, MPAS – Associate Professor, University of Utah Physician Assistant Program
Shahpar Najmabadi – Assistant Professor, University of Utah
Christine Tang, MPAS, PA-C – Adjunct Assistant Professor, University of Utah Physician Assistant Program
Tina Xu, PA-S – PA-S, University of Utah Physician Assistant Program
Evelyn On Kei Tsui, RD, CSO, CNSC – PA-S, University of Utah Physician Assistant Program
Jessica M. Do – PA-S, University of Utah Physician Assistant Program
Odyssey M. Contreras – PA-S, University of Utah Physician Assistant Program

ePoster 5: The Neurological Toll of Starvation: Wernicke's Encephalopathy in Anorexia

Wernicke's encephalopathy is an acute neuropsychiatric syndrome caused by thiamine (vitamin B1) deficiency. The condition is often underdiagnosed, as its hallmark triad of symptoms—ophthalmoplegia, ataxia, and confusion. This variability in clinical presentation makes early recognition and prompt treatment essential to prevent progression to irreversible neurological damage or even death.

Presenter: Kristina Petrucci, PA – Pediatric Hospital Medicine Physician Assistant, Hasbro Children's / Brown University Health

Additional Authors:

Hadley Tate, PA – Pediatric Hospital Medicine Physician Assistant, Hasbro Children's / Brown University Health

Research Rounds 2 Sunday, May 18, 2025 8:00 AM – 9:00 AM

ePoster Research Rounds (CME): 6-minute ePoster presentations within a 60-minute time block

ePoster 1: Is Current PA Education Diverse? A Data-Driven Study

The findings of this study indicate that there is a racial disparity in the admission rates of PA students, with non-White applicants experiencing lower admission rates compared to White applicants. Unfortunately, the disparity in admission rates between racial and ethnic groups has not changed from 2019 to 2023. Additionally, they indicate age- and gender-based disparity in the PA admissions process. The admission rates are even lower in among age- and gender-undisclosed applicants.

Presenter: M. Reza Mirbolooki, MD, PhD – Clinical Associate Professor, Chapman University

Additional Authors:

Jennifer Swisher – Clinical Assistant Professor, Chapman University
Mayngan Stone – Clinical Assistant Professor, Chapman University
Jennifer Cates, MPAS – Clinical Assistant Professor, Chapman University
Stephanie Saldivar, MS, PA-C – Clinical Associate Professor, Chapman University
Jennifer Grumet – Clinical Associate Professor, Chapman University
Mara Snee – Clinical Associate Professor, Chapman University
Anne Walsh, MMSc, PA-C, DFAAPA – Clinical Professor, Chapman University

ePoster 2: Key Factors Driving Academic Challenges Among PA Students

Identifying the key factors driving academic challenges among PA students can aid PA programs in designing remediation and support strategies that lead to improved academic performance and student success.

Presenter: Jennifer Forbes, MHS, PA-C, DFAAPA – Clinical Associate Professor, Idaho State University

Additional Authors:

Angela Banuelas, PA-C – Assistant Professor, Austin College
Leslie Woltenberg – Associate Professor, University of Kentucky
Heidi Vonderheide – Assistant Clinical Professor, Mississippi State University
Andrew Draper, PharmD – Assistant Professor, University of Utah
Jill Cavalet, DHSc – Clinical Professor, Saint Francis University

ePoster 3: Sexual and Gender Minority PA Students: Wellness and Student Experiences

This study aims to assess the current status of PA students who self-identify as Sexual and Gender Minority (SGM) status with a focus on outcomes related to well-being and student experience. Statistically significant differences ($p < 0.05$) between students who identify as SGM status and those who do not were found in the following self-reported measures; mental, physical, emotional, and spiritual health, quality of life, belonging, and several negative experiences in PA School.

Presenter: Joanne Rolls, MPAS, MEHP, PA-C – Vice-Chair of Education for the PA Education and Sciences Division and Director of Didactic Education University of Utah PA Program, University of Utah School of Medicine
Quinnette B. Jones, DrPH, MSW, MHS, PA-C – Associate Professor, Duke University

Additional Authors:

Heather Batchelder, MA – Research Program Leader, Duke University, Department of Family Medicine & Community Health
Additional Author: Antoinette Polito – Associate Professor, Elon University

ePoster 4: Stress and Coping in PA Students: A Mixed Methods Exploration

This mixed-methods study examines stress and coping strategies among PA students, focusing on adaptive, maladaptive, and neutral behaviors. By analyzing the prevalence and effectiveness of these strategies, the research aims to identify patterns that affect student well-being and academic performance. Findings will inform targeted interventions and wellness initiatives to support resilience and reduce stress in PA education.

Presenter: Denise Rizzolo, PhD, MPH, PA-C – Director, Research and Publication, Managing Editor of JPAAE, PAEA

ePoster 5: The Intersection of Student Flourishing and Social Determinants of Health

This multi-institution, interprofessional mixed-methods study explores how perceptions of flourishing among students are influenced by social and economic needs and individual values. This study brings a strength-based approach to addressing the mental health crisis facing clinical health professions students centered on fostering inclusive and equity-minded learning environments, which may improve recruitment and retention efforts and help establish more personalized support for students.

Presenter: Stephanie L. Neary, PhD, MPA, PA-C – Assistant Professor Adjunct, Director of Didactic Education, Program Analyst, Yale University

Additional Authors:

Michelle Nichols, PhD, RN – Associate Professor, Medical University of South Carolina
Martina Mueller, PhD – Professor, Medical University of South Carolina

Benjamin Doolittle, MD, MDIV – Professor, Yale University

ePoster 6: What is an Effective Graduate Medical Remediation?

This presentation explores remediation in graduate medical education, highlighting its background, indications, and implementation challenges. It identifies research gaps, inconsistent guidelines, and a lack of standardized practices. Attendees will gain insights into managing underperformance, creating structured remediation plans, and strategies to improve retention and retraining. Participants will leave with actionable steps to develop effective, tailored remediation strategies.

Presenter: Roman Sereda, DMSc, PA-C – Assistant Professor, University of Tampa

Research Rounds 3 Monday, May 19, 2025 8:00 AM – 9:00 AM

ePoster Research Rounds (CME): 6-minute ePoster presentations within a 60-minute time block

ePoster 1: Artificial Intelligence to Reduce Reperfusion Times for Acute Ischemic Stroke

Artificial intelligence (AI) has been effectively incorporated in stroke care. This retrospective cohort study evaluated whether AI expedited time-sensitive receipt of reperfusion therapies and determined the significant predictors of door-to-reperfusion therapy times. Despite there was a significant reduction in door-to-first pass (DTFP) time associated with adoption of AI, it was having 24/7 physician associate coverage that was found to be a significant predictor of DTFP time.

Presenter: Jameson E. Crumb, MSBMS, PA-C, Clinical Director; Crouse Neuroscience Institute, Comprehensive Stroke Program, Spine Care Center

Additional Authors:

Reggie T. Cayetano – Neurosurgery Physician Assistant, Crouse Health

Oksana Kaskov – Stroke Program Administrator, Crouse Health

ePoster 2: Evidence-Based Wellness Assessment Across the Emergency Medicine Service Line- PAs

This presentation explores burnout among Physician Assistants (PAs) in Emergency Departments and urgent care settings, focusing on stressors like workload and control. A survey of 648 staff revealed high burnout rates (80%) despite job satisfaction. Northwell Health's initiatives, including mentoring and recognition programs, aim to reduce stress and improve wellbeing. Attendees will learn strategies to support PAs and improving patient care. Ideal for healthcare leaders and clinicians.

Presenter: Jessica Sidle, PA-C – Physician Assistant, Northwell

Jennifer Goebel, DO – Attending Physician, Northwell Health

ePoster 3: Exploring Gender-Specific Barriers in PA Authorship

This study examines gender differences in publication success within the PA profession, showing that men, despite similar educational backgrounds, hold higher academic ranks and publish more frequently. Authorship disputes may hinder women's publishing success and future collaborations. While focused on PA educators, the findings are

relevant to academic clinicians, highlighting systemic factors that influence scholarly productivity and promotion.

Presenter: Sara Lolar, MS, PA-C, DFAAPA – PA-C, DFAAPA, Wayne State University

Additional Authors:

Robert Ehrman, MD, MS – Associate Professor, Wayne State University School of Medicine

Anne Messman, MD, MHPE – Associate Dean of Graduate Medical Education, Wayne State University School of Medicine

Alexandria Garino, PhD, PA-C – Associate Dean for PA Education, Yale School of Medicine

ePoster 4: From Screen to Scalpel: APP Telemedicine Shortens Surgery Wait Time

Advanced Practice Provider-Led Telemedicine Pathway for Liver Surgery: A 2-Year Analysis An APP-led Total Telemedicine Pathway (TTP) significantly reduced preoperative wait times for liver surgery patients compared to traditional face-to-face (F2F) visits. Over two years, TTP patients experienced a 68% shorter wait from referral to surgery with no increase in complications. This innovative model leverages virtual visits to streamline care, improve access, and maintain high patient satisfaction.

Presenter: Brittany G. Morocco, DMSc, MPAS – Physician Assistant, UPMC

Additional Authors:

David Geller – Physician, UPMC

Samer Tohme – Physician, UPMC

ePoster 5: Key Factors for Choosing Doctor of Medical Science (DMSc) Programs

The DMSc degree offers advanced education for Physician Assistants, but program variability complicates selection. This study analyzes key factors like cost, length, weekly commitment, accreditation, graduate outcomes, and study options. Costs range from \$12,464–\$40,000, durations from 3–36 months, and weekly demands from 9–20+ hours. Accredited programs vary in focus, including leadership, administration, and education. Results provide a comparative framework for informed decision-making.

Presenter: Nancy Hamler, DMSc, MPA, RDN, PA-C – Assistant Clinical Professor, University of the Pacific, Rocky Mountain University

Douglas D. Long, DMSc, PA-C – Associate Program Director, College of Idaho DMSc Program

Additional Authors:

Jennifer Barnett, DMSc, PA-C, DFAAPA, DMSc, PA-C, DFAAPA, SFHM, CPHQ, CAQ-HM – Hospitalist and Adjunct Associate Professor, MedStar and University of Maryland

Kaitlyn Alibrando, MPAS, PA-C, MSPAS, PA-C – Assistant Clinical Professor, University of the Pacific

ePoster 6: Optimizing EHR for Quality: Reducing Lab Errors Through Streamlined Solutions

PA Lead observed opportunity to reduce errors in lab specimen reporting through optimization of EHR and labeling. In collaboration with Nursing and Laboratory colleagues, using Six Sigma, a QI project was designed to decrease the amount of adverse reporting events from lab specimens. We designed and implemented a new labeling process and standardized orders in the EHR, used by all providers and nursing staff, to reduce pre-analytical lab order errors.

Presenter: Brittany R. Christopher, MSHS, MPH, PA-C – Physician Assistant, Instructor in Family Medicine - Mayo

Clinic College of Medicine and Science, Mayo Clinic

Additional Authors:

Roberta Warneke, RN – Nursing Team Lead, Surgical GYN, Mayo Clinic

Additional Author: Rhonda Grant – Senior IT Systems Analyst, Mayo Clinic

Additional Author: Christina Narakorn – Lab Manager, Instructor in Laboratory Medicine, Mayo Clinic College of Medicine and Science, Mayo Clinic

Research Rounds 4 Tuesday, May 20, 2025 8:00 AM – 9:00 AM

ePoster Research Rounds (CME): 6-minute ePoster presentations within a 60-minute time block

ePoster 1: APP Professional Billing Optimization Initiative

The APP Professional Billing Optimization Initiative is an education program designed by clinicians for clinicians to augment professional billing education to financially capture current work practices, i.e. bill appropriately for notes. The aim of the project was to increase total work relative value units (wRVU) by 30% for the Hospital Inpatient Department of Medicine. This was done by creating a multimodal education series. The project exceeded the goal, increasing total wRVU by >30%.

Presenter: Chelsey Donals, PA – Physician Assistant, Highland Hospital

Kelsey Pinkerton, PA – Physician Assistant, Highland Hospital

Additional Authors:

Hassan Rao – MD, Highland Hospital

ePoster 2: Brigham and Women's Hospital Physician Assistant Mentorship Program

We created the PA mentorship program for employees within our institution who are underrepresented in medicine and pursuing the PA career in efforts to increase diversity within PA profession. Of 13 applicants, we selected two participants and provided them shadowing in various specialties, recommendation letters and mock interviews. Through nccPA grant funding, we assisted participants in costs relative to the PA pursuit and both participants have successfully matriculated into PA programs.

Presenter: Tiffany Andrade, PA-C – Physician Assistant, Brigham and Women's Hospital

Marissa Cauley, PA-C – Chief Advanced Practice Provider Officer, Brigham and Women's Hospital

Additional Authors:

Jessica McCarthy, PA-C – Physician Assistant, BWH

ePoster 3: Continuous Quality Improvement of a Race Concordant 'Family-Style' Mentorship Program

The NSBPA Mentorship Program was launched in January 2021. Cohort survey data collected from 2021-2024 was analyzed to evaluate the impact of a race-concordant, 'family-style' mentorship program on pre-PAs and their PA student and PA-C mentors. Preliminary analysis of data from the 2021 and 2022 cohorts indicated a positive trend in

the program's impact and effectiveness. This session will expand on those findings. The session is designed for practicing PA-Cs and current PA students.

Presenter: Kathryn J. Reed, MS, PA-C – Assistant Professor, Vice Chair for Equity, Inclusion and Community Engagement; MS, PA-C, kjr34@pitt.edu

Additional Authors:

Yousra Elsir – Physician Assistant; DMSc, PA-C, Stanford Health Care

Jeffrey Cooper – PhD, University of Pittsburgh

Mariah Jones – Physician Assistant; MS, PA-C, AAHIVS, Mazzoni Center

Erica Williams – Physician Assistant; MS, PA-C, Vybe Urgent Care

Fallon Lotson – Assistant Professor and Physician Assistant; DHSc, PA-C, University of Alabama at Birmingham

Christa Fleming – Physician Assistant; PA-C, Advance Health

Jordan Hood – Physician Assistant; MS, PA-C, Oregon Health & Science University Doernbecher Children's Hospital

ePoster 4: ED Prescribing Rates after Implementation of an Antibiotic Stewardship Program

Key points include overview of the importance of Antibiotic stewardship, key and secondary findings after implementation of an Antibiotic Stewardship program and study limitations. This poster presentation is intended for health care workers in the emergency department or involved in hospital quality improvement programs, public health or health care policy.

Presenter: Kathleen D. Moneghan, DHA, MPAS, PA-C – President, Maine Academy of Physician Associates

ePoster 5: Soft Tissue Infection Caused by Candida tropicalis

Candida tropicalis is an emerging form of infection that carries a high mortality rate if not treated swiftly. In the case presented here, the patient suffered from three distinct *C.tropicalis* infections including of the urinary tract, blood, and soft tissue.

Presenter: Brennan Bowker, MHS, PA-C – Senior Surgical Physician Assistant Part time professor of PA studies, Yale New Haven Hospital and Quinnipiac University

Additional Authors:

Alyssa Tuozzoli – MPAS, PA-C, Yale New Haven Hospital

Ashley Shafran – PA-Student, Quinnipiac University

Alyssa Crispino – PA Student, Quinnipiac University

Rebecca Vangness, MHS – PA-Student, Quinnipiac University

Nicholas Charboneau – MHS, PA-C, Quinnipiac University, Yale New Haven Hospital

Tyler J. Jones – MD, Yale New Haven Hospital, Yale University

Kristin Oliveira, MD – Assistant Professor of Surgery, Yale New Haven Hospital, Yale University

ePoster 6: The Medical Genetics Workforce: A Focus on PAs

Genetics PAs represent a needed and growing source within the medical genetics clinic. Understanding the characteristics and role of PAs in genetics is essential in quantifying their contribution to the overall medical genetics workforce, supplementing the known genetics workforce shortage. Data from this study will also help guide employers and genetics organizations to utilize PAs at the top of their scope.



Presenter: Wesley G. Patterson, PhD, MSPA, PA-C, CAQ-Peds – Genetics PA, Greenwood Genetic Center

Additional Authors:

Stephanie J. Offord, MSN, FNP-BC, AGN-BC – Genetics Nurse Practitioner, Medical College of Wisconsin

Laura D. Buch, MSPAS, PA-C – Genetics PA, Greenwood Genetic Center

Gina M. Lewis, APNP-PC – Genetics Nurse Practitioner, Medical College of Wisconsin

Ashley Andrews, MSN, CPNP – Genetics Nurse Practitioner, University of Utah

Kaelyn B. Sparks, DNP, APRN, FNP-C – Genetics Nurse Practitioner, Greenwood Genetic Center

Jessica A. Cooley Coleman, PhD – Laboratory Genetics and Genomics Fellow, Greenwood Genetic Center

Leta Tribble – Director of Education, Greenwood Genetic Center