

Pennsylvania Anesthesiology Resident Research Conference

Saturday, May 13, 2023

Location:

UPMC Shadyside Herberman Conference Center
5230 Centre Avenue
Pittsburgh, PA 15232

Program Overview:

PARRC is an opportunity for residents and faculty to learn about current, cutting-edge research by anesthesiology residents from residency programs across the state of Pennsylvania. As you listen to the original research and case report presentations, you will learn about resident scholarly activities performed at each institution.

Target Audience:

The target audience for this conference comprises anesthesiology trainees, program directors, department chairs, clinical and research anesthesiologists, and another interested health care personnel.

Learning Objectives:

Upon conclusion of the conference, attendees should be able to:

- Articulate a knowledge of currently conducted original studies and case reports
- Critically evaluate the scientific merit of abstracts presented as either original research or case reports
- Discuss the scientific content of the presented abstracts using question and answer format

CME Accreditation and Designation Statement:

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)

The University of Pittsburgh designates this live activity for a maximum of 5.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Program Schedule:

- 7:30 am – 8:00 am** **Registration and breakfast**
- 8:00 am – 8:15 am** **Welcome by the Chair**
Aman Mahajan, MD, MBA, PhD
- 8:15 am – 9:00 am** **Oral Presentations, Original Research I (OOR)**
Moderator: Phillip S. Adams, DO, FASA

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|------|--------------------|-----------|---|
| OOR1 | Stefko, Jordan | Jefferson | The Effect of Cardiopulmonary Bypass on Severe Acute Respiratory Syndrome (SARS) CoV-2 Antibody Levels |
| OOR2 | Massey, Michael | UPMC | Left Ventricular Global Longitudinal Strain is Superior to Ejection Fraction in Predicting Outcomes after Liver Transplantation |
| OOR3 | Zuckerberg, Jeremy | Penn | Diastolic Coronary Perfusion Index: A Novel Cardiopulmonary Resuscitation Metric |

9:00 am – 9:45 am Oral Presentations, Case Reports I (OCR)

Moderator: Phillip S. Adams, DO, FASA

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|------|-----------------------------|------------|--|
| OCR1 | Raj, Vijay | Jefferson | Facial Numbness after Revision Shoulder Surgery – Complication of an Interscalene Block or a Cause for Concern? |
| OCR2 | Pinninti, Angelica | Jefferson | Resection of Renal Cell Carcinoma with Level VI Cavoatrial Tumor Thrombus with Venovenous bypass and intraoperative transesophageal echocardiogram |
| OCR3 | Parrella-O'Donnell, William | Penn State | Ascending Aortic Thrombus Presenting As An Acute Abdomen |

9:45 am – 10:00 am Refreshment break**10:00 am – 11:00 am Poster Presentations - I Original Research & Case Reports****Not eligible for CME credit****Case Report Posters – Room 202C**

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|------|------------------|------------|---|
| PCR1 | Anyama, Boris | UPMC | Strumming Through Pain with His Fingers: The Awake Craniotomy of a Musician |
| PCR2 | Tumino, Marina | Penn State | An Unusual Complication of the Tsui Test: A Case Report |
| PCR3 | Tagle, Lorena | UPMC | Covid Pneumonia Complicated by Large Bilateral Pneumatoceles Requiring Extracorporeal Membrane Oxygenation (ECMO) Support |
| PCR4 | Chou, Lu | Temple | Findings of comprehensive intraoperative transesophageal echocardiography change cardiac surgery plan |
| PCR5 | Wang, Sheri | UPMC | Airway Management and Anesthetic Considerations in Patients undergoing Tracheal Resection |
| PCR6 | Graffe, Jake | Temple | Multidisciplinary management of third trimester parturient with a rapidly expanding renal mass undergoing right radical nephrectomy |
| PCR7 | Ligocki, Mariusz | UPMC | Odds are high that (SVR) Systemic Vascular Resistance will be low: intraoperative management of mast cell activation syndrome |

Original Research Posters – Room 201A/B

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|------|---------------------|------------|---|
| POR1 | Manmiller, Sarah | Penn State | The classification of vasopressor use for hypotension after spinal anesthesia during cesarian section |
| POR2 | Kocher, Matthew | UPMC | Utility of Peripheral Nerve Blocks in Pediatric Patients Undergoing Embolization Therapy for Vascular Malformations |
| POR3 | Johnson, Taylor | Penn State | International Transesophageal Usage In Liver Transplantation |
| POR4 | Kosinski, Samuel | UPMC | A Multi-Provider Approach to Improving Anesthetizing Location Capacity with Increasing Surgical Demand |
| POR5 | Sinai Hede, Natasha | Jefferson | Minimizing Hypotension Following Spinal Anesthesia For Cesarean Section Using a Gradual Repositioning Technique |

11:00 am – 11:45 am Oral Presentations, Original Research II (OOR)

Moderator: Phillip S. Adams, DO, FASA

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|------|--------------------|-----------|---|
| OOR4 | Tarnasky, Aaron | UPMC | Association of Regional Anesthesia with Post-Operative Ulnar Nerve Symptoms for Patients with Pre-Existing Ulnar Nerve Dysfunction Undergoing Ulnar Nerve Transposition, Decompression, or Neurolysis |
| OOR5 | Patel, Parthik | Jefferson | Ketamine infusions and bladder complications |
| OOR6 | Spornick, Nicholas | Penn | The role of caspase-mediated apoptosis in sickle cell disease |

11:45 am – 1:00 pm Keynote address and lunch

Women in Anesthesiology: Paving the Path Forward

Kristin Ondecko Ligda, MD, FASA

1:00 pm – 1:45 pm Oral Presentations, Case Reports II (OCR)

Moderator: Phillip S. Adams, DO, FASA

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|------|-----------------|-----------|---|
| OCR4 | Patel, Parthik | Jefferson | Intraoperative angiotensin II during cardiac surgery: a case series |
| OCR5 | Cheng, Monique | UPMC | Management of arteriovenous malformation rupture following cesarean delivery in a parturient with hereditary hemorrhagic telangiectasia |
| OCR6 | Peerzada, Wasif | Jefferson | Postoperative Intermittent Left Bundle Branch Block |

1:45 pm – 2:30 pm Oral Presentations, Original Research III (OOR)

Moderator: Phillip S. Adams, DO, FASA

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|------|-----------------|--------|--|
| OOR7 | Reon, Brian | UPMC | Operative Intensive Care Unit Delirium: a retrospective analysis |
| OOR8 | Henry, Madeline | Temple | Effect on Success of Genicular Nerve Block for Knee Pain |
| OOR9 | Pickle, Jacob | UPMC | Paravertebral Catheters and the Need for Removal Prior to Enoxaparin Therapy in Children |

2:30 pm – 2:45 pm Refreshment break

**2:45 pm – 3:30 pm Poster Presentations – II, Original Research & Case Reports
Not eligible for CME credit**

Case Report Posters – Room 202C

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|-------|------------------|------------|--|
| PCR8 | Vitale, Joseph | UPMC | Hyponatremia in the Perioperative setting |
| PCR9 | Amertil, Lori | Penn State | Use of Regional Anesthesia as Sole Anesthetic for Femoral Neck Fracture Percutaneous Pinning in an Elderly Patient with Severe Comorbidities |
| PCR10 | Kosinski, Samuel | UPMC | Splenic embolization as a perioperative bridge to splenectomy in severe treatment-resistant ITP |
| PCR11 | Dasari, Yoga | Jefferson | Perioperative Management and Urgent Cesarean Delivery of a Complicated Patient with Severe Sickle Cell Disease and Acute Fatty Liver |
| PCR12 | Demarco, Natale | UPMC | Severe Dysrhythmia and cardiac arrest following administration of Sugammadex |

Original Research Posters – Room 201A/B

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|------|-------------------|------------|---|
| POR6 | Nahouraii, Lauren | UPMC | Financial Impact of Residents on Provider Expense in an Academic Anesthesiology Department |
| POR7 | Seki, Scott | Penn | Evaluation of an electronic medical record alert to reduce perioperative midazolam administration to older adults |
| POR8 | Tarnasky, Aaron | UPMC | Evaluating Provider Team Efficiency with Varying Utilization of Surgical Block Time |
| POR9 | Chu Luo, Jose | Penn State | Efficacy of Continuous Adductor Canal Blocks After Discharge from Hospital in Patients Undergoing Primary Total Knee Arthroplasty |

3:30 pm – 4:15 pm Oral Presentations, Case Reports III (OCR)

Moderator: Phillip S. Adams, DO, FASA

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|------|-------------------------------|-----------|--|
| OCR7 | Rubin, David Parthik Patel | Jefferson | Prolonged Phrenic Nerve Paresis Following Interscalene Block With Liposomal Bupivacaine |
| OCR8 | Ooi, Gavyn | Jefferson | Pneumocephalus after labor epidural and a subsequent blood patch complication |
| OCR9 | Anspach, Taylor | PSU | Anesthetic Management of a Patient with Lipid Metabolism Myopathy: Challenges and Strategies |

4:15 pm – 4:30 pm Break**4:30 pm – 5:00 pm Award presentation and closing remarks****5:00 pm Adjournment****Faculty Disclosure:**

No members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone in a position to control the content of this education activity have relevant financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

Disclaimer Statement:

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by the UPMC Center for Continuing Education in the Health Sciences, UPMC / University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

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