

ENDOWMENT IMPACT SUMMARY

Anesthesiology Department Endowments

Thank you for your support of our work in Anesthesiology and Pain Management at MetroHealth. Your generosity helps patients receive the best care possible, and it provides tomorrow's caregivers with invaluable experience. Your partnership makes it all possible. I'm pleased to share an update and highlights from the past year.

NEW DEVELOPMENTS

More than 30 research projects underway – Centering on testing anesthesia medications for people with various health needs, these projects include:

- **KALPAS Study** – This continuing study centers on using ketamine to reduce chronic post-surgical pain for women 18 years and older who are undergoing elective breast surgery for various oncologic indications. The presence of ketamine requires using fewer opioids for those receiving such treatment. Nine randomized patients are enrolled.

- **The GUARDIAN Trial** – In partnership with Cleveland Clinic, anesthesiology team members are investigating the benefits of "tight" perioperative blood pressure control. Patients are assigned to have blood pressure tightly controlled vs. standard of care to determine benefits in preventing post-operative myocardial infarction, acute kidney injury, stroke, sepsis, death, tightening of arteries and more. Sixteen patients have been enrolled to date.



Clinical Research Coordinators Sam Pope and Alex Estright and Research Fellows Drs. Faria Nisar and Nicolas Mas D'Alessandro

- **The LOTUS Trial** – This study compares traditional palpation vs. lumbar ultrasound guidance for placing epidurals in obstetric patients with BMI greater than 40. Results from this study could help anesthesiology teams place epidurals faster, with fewer attempts and complications. Twenty-three patients have been enrolled to date.

Manuscript Committee continues guidance

Composed of anesthesiologists who are published authors, this committee mentors other budding anesthesiologists and reviews research papers prior to submission.

Highest percentage of CREC-certified staff of any MetroHealth department

– The Continuing Research Education Credit provides training in the protection of human subjects in research and meets the requirements for human-subject certification for both the National Institutes of Health and the Institutional Review Board. MetroHealth's Department of Anesthesiology has more CREC certifications than any other department and the greatest number of staff eligible to conduct human studies research: 43% of the department have their CREC certification – including 88% of the Anesthesiology Physicians, 77% of the Resident Physicians, and 11% of the Certified Registered Nurse Anesthetists and Certified Anesthesiology Assistants.

NEW DEVELOPMENTS *(Continued)*

Leading the way at national meetings – More than 60 presentations were delivered at national meetings by Anesthesiology faculty, residents and staff in the last year.

The Alfred Cyril Pinchak Research Endowment is professorship-bound – Dr. Pinchak's passion for teaching, inspiring and discovery in the field of Anesthesiology led him to establish The Alfred Cyril Pinchak Research Endowment at MetroHealth in 2012. Since then, the fund has grown steadily and is nearing the next milestone of enabling a professorship to be created by and held at Case Western Reserve University School of Medicine; the goal is to raise enough funding to do so by the end of 2024. Such status will bring further credence to Anesthesiology at both institutions, while honoring Dr. Pinchak's distinguished career as a clinician, mentor and researcher and recognizing his leadership and dedication to the profession.

The Alfred Cyril Pinchak Symposium continues to inspire – The Pinchak Symposium includes a competition for residents to showcase their work. This year's winners and their projects included:

Research/Quality Improvement Projects:

1st place: Nadia Ahmad, MD; J. Sood, MD; Shikha Sharma, MD; Akhil Kumar, MD; and Anil K. Jain, MD. Effect of Propofol Total Intravenous Versus Sevoflurane Inhalational General Anesthesia on Arterial Oxygenation During One-Lung Ventilation in Patients Undergoing Right-sided Open Thoracic Surgery: A Randomized Study

2nd place: Troy Kennedy, MD, and Matthew Sikora, DO. C-Section Classification System: Improving APGAR Scores Through Shared Language

3rd place: José D. Guerra, MD; Carlos A. Triana-Schöonewolff, MD, MSc; and Andrés Obando MD, MSc. Patient Satisfaction with Perioperative Care at a High-Complexity Hospital in Colombia

Medically Challenging Cases:

1st place: Laura Varghese, MD, and Matthew Sikora, DO. Our Missing Person

2nd place: Maria Jose Pelaez, MD, and Carolina Perez, MD, MSc. Acute Pulmonary Edema in a Woman with Twin Pregnancy

3rd place: Jhovan Kepple, MBBS, and Bushra Abdul Aleem, MBBS. An Unusual Case of Bilateral Choanal Atresia

Second Annual Visiting Professor in Anesthesiology

Our second annual visiting professorship in April 2024 featured Beverly Khnie Philip, MD, Director, Ambulatory Anesthesia and Director, Day Surgery Unit at Brigham and Women's Hospital; Professor, Harvard Medical School, Anesthesia and Pain Management. A visiting professorship is a great priority and honor for any academic department that provides an opportunity for staff and students to learn from industry titans in multiple forums during a two-day event. As such, a visiting professor is a recruiting tool that can elevate the experience for those who train and practice at an institution, and advance and promote the quality of work in a department.



Drs. Alfred Pinchak, Beverly Khnie Philip and Luis Tollinche.



Thank you again for your role in making these activities possible through your vital support. The echo of your generosity can be heard for years to come, and for that, we are infinitely grateful.

With gratitude,

Luis Tollinche, MD, FASA
Medical Director, Perioperative Services
Chair and Professor, Anesthesiology