

SNACC Director-at-Large Application

Application Deadline: April 30, 2026, at 11:59 pm ET

Directors-at-Large are voting members of the Board of Directors and are involved in decision making on issues pertaining to governance and strategy of the Society according to its mission and bylaws. Directors-at-Large advise the Executive Committee in the overall functioning of the society. In addition, the Directors may be asked by the Executive Committee to lead specific committees, subcommittees, task forces, councils, or special projects. Attendance at all Board meetings is expected.

Elected members of the SNACC Board of Directors have significant responsibilities, and potential candidates must have time to make this commitment to the Society and the specialty. The responsibilities of Directors-at-large are outlined in detail in [SNACC Bylaws](#).

Minimum Prerequisites

- At least three years of active membership of SNACC in good standing.
- Demonstration of track record of service to SNACC (such as active participation and/or leadership in SNACC committees/councils/task forces, active contributions to the newsletter, the Journal of Neurosurgical Anesthesiology, and participation in the Annual Meeting program).
- Dedication to the values of SNACC and its mission, and commitment to diversity, equity, and inclusion

Self-nominations are accepted for this post. Alternatively, active members of the Society can nominate another member by describing the strengths of the nominee and highlights of their CV. The nominating committee will pursue consent from the nominee before considering their candidacy.

Nominee's Name	Alexander Papangelou
Nominee's Email Address	apapang@emory.edu
Credentials (e.g., MD)	MD
Current Institution	Emory University Hospital
SNACC Member Since (Year)	2016

Upload Headshot



Upload CV



CV Emory format Alex Papangelou6.docx

Services to SNACC (limit to no more than five (5) most significant services)

1. Trainee Engagement Chair and co-founder Neuroanesthesia Classroom
2. Board of Directors serving as Society Strategic Planning Director and working closely with Global Outreach Committee. Duties included serving as liaison to ASA (see below) and helping develop 2 prior SNACC-sponsored sessions at the ASA annual conference.
3. Facilitated recruitment of ASNACC as global partner and WAKNA as an affiliate society. Recruiting additional societies nearing fulfillment of membership requirements
4. Co-chair EEG Certification program (in development)
5. Several roles in the Education committee including lead of the EEG clinical corner and co-lead of Expert Audio Corner

Relevant Leadership Experience (limit to no more than five (5))

1. Director of Neuroanesthesiology, Emory University
2. Neuroanesthesiology Fellowship Director (pending ICPNT accreditation), Emory University
3. ASA Committee on Neuroanesthesiology, 2018-present. Recently appointed Chair
4. ASA Educational Track Subcommittee on Neuro Anesthesia, 2020-present
5. Served as ASA House of Delegates and ASA Committee on Specialty Societies 2023-present, as part of my liaison duties to SNACC

Your commitment to diversity, equity, and inclusion (limit 50 words)

Commitment to diversity, equity, inclusion involves moving beyond rhetoric to intentional action. Leaders must identify and remove systemic barriers and amplify underrepresented voices. Every individual must be given the resources and opportunity to succeed in an equitable environment. Importantly, SNACC's international structure and culture nurtures these inclusive practices.

How do you envision advancing SNACC as a Director-at-Large? (limit 150 words)

My current role as Strategic Planning Director on the BOD has facilitated involvement with many international neuroscience societies, beyond the current affiliates and global partners. I have helped increase the list of our current partners but hope to further widen our footprint. I'd like to encourage more cross participation between partners in educational forums and annual conferences, including sponsored symposia. Personally representing SNACC at MSNACC's Neuroanesthesia Symposium was a privilege. I'd continue to strongly support these reciprocal efforts.

Importantly, the liaison position has enabled my familiarization with the ASA. My position on the Committee on Specialty Societies and the HOD, in combination with membership in the two neuroanesthesiology committees, has facilitated the advancement of SNACC's EEG education program. Maintaining this level of involvement is helpful to insure a smooth CME accreditation, and may facilitate other EEG educational and national efforts.

Anything else you would like considered in your candidacy (limit 50 words)

My liaison position has expanded my understanding of SNACC and its potential on the international stage. I believe another term will help build on our many successes.

Name of Person Submitting Nomination	Alexander Papangelou
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Email Address of Person Submitting Nomination	apapang@emory.edu
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CURRICULUM VITAE

Revised: 3/18/2026

1. **Name:** Alexander Papangelou, MD
2. **Office Address:**
1364 Clifton Road NE, Atlanta, GA 30322
Telephone: (404) 778-0482
3. **E-mail Address:** apapang@emory.edu
4. **Current Titles and Affiliations:**
 - a. **Academic Appointments:**
 1. **Primary Appointments:**
Associate Professor of Anesthesiology, Emory University School of Medicine, February 2020-present
 - b. **Clinical Appointments:**
 1. Staff Physician: The Emory Clinic/ Emory University Hospital, October 2015-present
 - c. **Other Administrative Appointments:**
 1. Director, Neuroanesthesiology, Department of Anesthesiology, Emory University Hospital, 2016-present
 2. Program director, Neuroanesthesiology fellowship program, Department of Anesthesiology, Emory University Hospital, 2026-present (International Council on Perioperative Neuroscience Training (ICPNT) certification in process)
5. **Previous Academic and Professional Appointments:**
 - a. Instructor, Department of Anesthesiology and Critical Care Medicine, The Johns Hopkins University School of Medicine, 2008-2009
 - b. Assistant Professor, Department of Anesthesiology and Critical Care Medicine, The Johns Hopkins University School of Medicine, 2009-2013
 - c. Assistant Professor, Secondary Appointment, Department of Neurology, The Johns Hopkins University School of Medicine, 2009-2013
 - d. Part-time Assistant Professor (non-salaried), Department of Anesthesiology and Critical Care Medicine, The Johns Hopkins University School of Medicine, 2013-2015
 - e. Assistant Professor, Department of Anesthesiology, Emory University School of Medicine, 2015-2020
6. **Previous Administrative and/or Clinical Appointments:**
 - a. Director of Neuroanesthesiology division, Department of Anesthesiology, Johns Hopkins Bayview Hospital, 2010-2011
 - b. Director, Neuroanesthesiology resident rotation, Department of Anesthesiology, EUH, 2016-2022
 - c. Program director, Neuroanesthesiology fellowship program, EUH, 2018-2021
7. **Licensures:**
 - a. Maryland Medical Board Licensure, Issued: 2005, Not renewed 2017
 - b. The Medical Board of California Licensure (retired), Issued: 2014

c. Georgia Composite Medical Licensure (active), Issued: 2015

8. Boards and Specialty Boards:

- a. American Board of Psychiatry and Neurology, Diplomat: Neurology, 2006-2016
- b. American Board of Psychiatry and Neurology, Diplomat: Vascular Neurology, 2009-2016
- c. United Council for Neurologic Subspecialties, Diplomat: Neuro Critical Care, 2010-present
- d. American Board of Anesthesiology-Diplomate, 2012-present
- e. The National Board of Physicians and Surgeons, Diplomat: Neurology, 2016-2018
- f. The National Board of Physicians and Surgeons, Diplomat: Vascular Neurology, 2016-2018

9. Education:

- a. Bachelor of Science, Chemistry. Minor in Classical Studies. University of Florida, Gainesville, FL, 1993-1997
- b. Doctor of Medicine, University of Miami, Miami, FL, 1997-2001

10. Postgraduate Training:

- a. Internal Medicine, University of Maryland Medical Systems, Baltimore, MD, Program Director: Dr. Susan Wolfsthal, 2001-2002
- b. Neurology, University of Maryland Medical Systems, Baltimore, MD, Program Director: Dr. Barney Stern, 2002-2005
- c. Anesthesiology, The Johns Hopkins Hospital, Baltimore, MD, Program Director: Dr. Deborah Schwengel, 2005-2008
- d. Neurocritical Care, The Johns Hopkins Hospital, Baltimore, MD, Program Director: Dr. Ricardo Carhuapoma
- e. Neuroanesthesiology, The Johns Hopkins Hospital, Baltimore, MD, Program Director: Dr. Marek Mirski, 2008-2009

11. Continuing Professional Development Activities:

- a. Emory Multidisciplinary Co-management of Operating Room Emergencies Simulation session, 2017
- b. Emory Clinical Research Bootcamp 101, 2017
- c. Emory Department of Anesthesiology Team Leadership Training, 2017
- d. International Anesthesia Research Society annual meeting, "Interactive Boot Camp for Brief Perioperative Cognitive Assessment," 2018
- e. Emory Emerging Leadership Program, Course supervisor Ann Chinnis, 2018
- f. Society for Neuroscience in Anesthesiology and Critical Care (SNACC) annual meeting, "Taking the Mystery Out of Curriculum Development-The Six Steps" session, 2019
- g. Emory Department of Anesthesiology, MENTOR ME program, 2020-present
- h. "Coaching Your Mentee" workshop, Course supervisor Karen Souter, 2020
- i. Emory Research Survival Skills series: "How to Be a Leader," 2020
- j. Emory Neurocritical Care Fellowship Mentorship Program, 2021-present
- k. Selected to participate in Grady's Point of Care Ultrasound course, 2023
- l. Participant, Emory's Point of Care Ultrasound course, 2024

12. Society Memberships:

- a. American Academy of Neurology, 2003-2005, 2015-2016
- b. Society of Critical Care Medicine (SCCM), 2007-2019
- c. Maryland Society of Anesthesiologists, 2009-2015
- d. American Society of Anesthesiologists (ASA), 2009-present
- e. International Anesthesia Research Society (IARS), 2011-2012, 2017-2019

- f. Georgia Society of Anesthesiologists (GSA), 2016-present
- g. Neurocritical Care Society (NCS), 2016-2020
- h. Society of Neuroscience in Anesthesiology and Critical Care (SNACC), 2016-present
 - 1. Director at Large, Board of Directors. Society Strategic Planning Director, 2023-present
 - 2. Co-chair, EEG certification platform development, 2024-present
- i. Medical Association of Georgia, 2017-present
- j. Medical Association of Atlanta, 2024-present

13. Committee Memberships:

a. National and International:

- 1. Member, NCS Working Group, first edition of the Emergency Neurological Life Support (ENLS) Program, 2010-2011
- 2. Member, SNACC Education Committee, 2016-present
 - 1. Ad hoc member, SNACC Neuroanesthesiology Milestones Taskforce, 2016
 - 2. Experts' Audio Corner subcommittee, 2017-present
- 3. Member, SNACC Membership Committee, 2017-2022
- 4. Member, Writing Committee, NCS, Cerebral Edema Guidelines, 2018-2020
- 5. Member, ASA Committee on Neuroanesthesiology, 2018-present
 - 1. Lead, EEG special interest group, 2022-present
 - 2. Chair, Committee on Neuroanesthesiology, 2026-present
- 6. Member, ASA Abstract Review Subcommittee on Clinical Neurosciences, 2019-2020
- 7. Member, SNACC Trainee Engagement Committee, 2019-present
 - 1. Lead, Neuroanesthesia Classroom Subcommittee, 2019-2021
 - 2. Advisor, Working group, EVD training module for trainees, 2020
 - 3. Trainee Engagement Committee Chair, 2021-2023
 - 4. Co-lead/ Lead, EEG Clinical Snapshot subcommittee, 2022-2024/ 2024-present
- 8. Member, ASA Educational Track Subcommittee on Neuro Anesthesia, 2020-present
- 9. Member, ASA Committee on Specialty Societies 2023-present
- 10. Member, ASA House of Delegates, 2023-present
- 11. Member, SNACC Nominating Committee, 2024, 2025
- 12. Member, Scientific Affairs Committee, 2024-present
 - 1. Lead, International abstract review, 2026-present
- 13. Member, SNACC Scientific Planning Committee (annual meeting), 2024-present
- 14. Member, SNACC Finance Committee, 2025-present
- 15. Member, SNACC Management Transition Task Force, 2025-2026

b. Regional:

- 1. Member, GSA Program and Education Committee, 2017-2022

c. Institutional:

- 1. Member, University of Maryland Ad Hoc Working Group, Pediatric Critical Care Program Internal Review, 2003
- 2. Member, Johns Hopkins Neurocritical Care Division Resident Education Committee, 2007-2009
- 3. Member, Johns Hopkins Anesthesiology and Critical Care Medicine Compensation Committee, 2009
- 4. Ad Hoc Member, Johns Hopkins Critical Care Committee, Member of Technology Subcommittee, 2010-2012
 - 1. Physician champion, Subglottic Suction Endotracheal Tube, JHH, 2011-2012
- 5. Member, Emory University Hospital OR to ICU Handoff Working Group, 2017-2019

6. Member, Emory Department of Anesthesiology Education Committee, 2016-2019, 2021-2024
 1. Member, Emory Department of Anesthesiology Subcommittee for Orientation and Ongoing Didactics, 2017-2018
7. Member, Emory University Hospital Stroke Leadership Committee, 2016-present
8. Member, Emory University Hospital Neurosurgery Infection Prevention Committee, 2017
9. Member, Emory University Hospital VAP CT Surgery Stroke Committee, 2017
10. Member, Emory University Hospital OR Culture Assessment Focus Group, 2017
11. Member, Emory University Hospital OR Committee, Quality Subcommittee, 2018-2021
12. Member, Emory Department of Anesthesiology Feedback/Evaluation Task Force, 2020
13. Member, Emory Department of Anesthesiology Board Review Curriculum Task Force, 2020
14. Ad Hoc Member, Emory Department of Anesthesiology Clinical Competency Committee, 2020-2021
15. Member, Emory Department of Anesthesiology Ad Hoc Neuroanesthesiology Program Evaluation Committee, 2020-2021
16. Member, Emory Department of Anesthesiology Ad Hoc Search Committee, Vice Chairman of Education, 2021-2022
17. Member, DEI Committee, Emory Department of Anesthesiology, 2024-2025
18. Chair, Emory Department of Anesthesiology Ad Hoc Search Committee, Vice Chair of Professional Development, 2026

14. Peer Review Activities:

a. Grants:

1. National and International:

1. Systems-Based Neurotechnology for Emerging Therapies (SUBNETS) project, DARPA, 2013-2014

b. Manuscripts (Reviewer):

1. Journal of Neurosurgical Anesthesiology, 2012, 2020-present
2. Journal of Clinical Anesthesia, 2013
3. Neurocritical Care, 2014-present
4. Scientific Reports, 2018-2019
5. Critical Care, 2019-present
6. Anesthesia and Analgesia, 2023-present
7. Anesthesiology, 2025-present

c. Conference Abstracts:

1. National and International:

1. American Society of Anesthesiologists annual meeting, abstract reviewer for Clinical Neurosciences, Orlando, FL, October 2020

2. Regional:

1. Georgia Society of Anesthesiologists, Biannual meeting, abstract reviewer, 2016-2022

15. Consultancies/Advisory Boards:

- a. Legal consultant, Thomson Reuters, 2012-2016
- b. Independent consultant, Science and Technology Associates, Inc (STA). STA provided Systems Engineering and Technical Assistance (SETA) contractors to the DSO division of DARPA, 2013-2014
- c. Independent physician consultant (part-time) for Parexel, International, Early Phase Clinical

Unit, Baltimore, MD, 2014

- d. Research physician (full time) for Parexel, International Early Phase Clinical Unit, Baltimore, MD. Functioned as Principal Investigator and Sub-Investigator on phase 1 studies to include first in human, bioequivalence/bioavailability, QTc, drug-drug interaction, food effect, and dose escalation studies in normal healthy volunteers, as well as proof of concept phase 2 studies in patient populations (Parkinson's disease, Alzheimer's disease, Stroke, Asthma). Total exposure to approximately 40 clinical studies, 2014-2015
- e. Team lead, Masimo technology working group, Emory University Hospital, 2018-2019
- f. Physician member, Advisory board, Vistendo (CEO: Isabel Gutierrez), 2019-2020
- g. Consultant, Vistendo. Grant awarded by the Defense Health Agency (DHA) on project titled "Portable, Oculomotor and Multi-sensing Assessment System (POMAS)," 2019-2020
- h. Consultant, Vistendo. Grant awarded by Defense Health Agency (DHA), titled "Portable Oculomotor Multisensing Assessment System," 2021

16. Organization of Conferences:

a. National and International:

1. Administrative Positions:

- 1. Co-organizer and moderator, "Solving common problems with frontal EEG monitors: knobology, advanced settings, electrodes, and artifact." Workshop, American Society of Anesthesiologists annual meeting, San Francisco, CA, 2023
- 2. Co-organizer and moderator, EEG workshop. International Council for Perioperative Neuroscience Training Master Class. Society for Neuroscience in Anesthesiology and Critical Care annual meeting, Denver, CO, 2024
- 3. Organizer, "Trends and Innovations in Perioperative Neuroscience: Reversal of Unconsciousness, Inflammation in Perioperative Neurocognitive Disorders, and Clinical Autoregulation Measurement." SNACC-sponsored panel session, American Society of Anesthesiologists annual meeting, Philadelphia, PA, 2024
- 4. Scientific Committee member. Conference program development for the Neuroanaesthesia Symposium (NAS). Conference joint organized by Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC), Society for Neuroscience in Anesthesiology and Critical Care (SNACC), NeuroAnaesthesia and Critical Care Society (NACCS) and the Sabah Academic Society of Anaesthesiology (PERAKAS) (<https://www.nas2025.com/index.php>), Kota Kinabalu, Sabah, 2025
- 5. SNACC (annual conference) Scientific Planning Committee member, 2025 conference, Atlanta, GA
- 6. Organizer, "Keep it steady – promises of individualized management of cerebral autoregulation." SNACC-sponsored panel session, American Society of Anesthesiologists annual meeting, San Antonio, TX, 2025
- 7. Co-founder, SNACC international EEG certification program. Co-chair, working group, 2025-present (program in development)
- 8. Co-organizer, moderator, EEG workshop. International Council for Perioperative Neuroscience Training Master Class. Society for Neuroscience in Anesthesiology and Critical Care annual meeting, Atlanta, GA, 2025
- 9. Co-organizer, moderator, EEG workshop. Postgraduate Assembly in Anesthesiology. New York State Society of Anesthesiologists, New York, NY, 2025
- 10. SNACC (annual conference) Scientific Planning Committee member, workshop subcommittee, 2026 conference, Durham, NC
- 11. Organizer, moderator, EEG workshop. Society for Neuroscience in Anesthesiology and Critical Care annual meeting, Raleigh, NC, 2026 (future)

2. Sessions as Chair:

- 1. "Multimodal Analgesia for Craniotomy: Moving Toward an Opioid-free Technique."

- Moderator, 60-minute Snap-talk panel session. American Society of Anesthesiologists annual meeting, 2020 (talk not presented due to truncated program during COVID pandemic)
2. Trainee Engagement Committee panel. Moderator. Society for Neuroscience in Anesthesiology and Critical Care annual meeting (virtual), 2021
 3. "Multimodal Analgesia for Craniotomy: Moving Toward an Opioid-free Technique." Moderator, 60-minute Snap-talk panel session. American Society of Anesthesiologists annual meeting, San Diego, CA, 2021. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
 4. "Time is Brain: Mitigating Neurologic Emergencies in the Operating Room." Moderator, 60-minute Snap-talk panel session. American Society of Anesthesiologists annual meeting, San Diego, CA, 2021. Designated as Patient Safety MOCA Part 2 CME credit eligible.
 5. Trainee Engagement Committee reception, panel. Moderator. Society for Neuroscience in Anesthesiology and Critical Care annual meeting, Seattle, WA, 2022
 6. "Time is Brain: Extinguishing Neurologic Emergencies in the Operating Rooms." Moderator, 60-minute Snap-talk panel session. American Society of Anesthesiologists annual meeting, New Orleans, LA, 2022
 7. "Time is Brain: Extinguishing Neurologic Emergencies in the Operating Rooms." Moderator, 60-minute Snap-talk panel session. American Society of Anesthesiologists annual meeting, San Francisco, CA, 2023. Designated as Patient Safety MOCA Part 2 CME credit eligible.
 8. "Unraveling the Intricacies of Intraoperative EEG Management: a tour of three clinical cases." Moderator, 60-minute Clinical Forum. American Society of Anesthesiologists annual meeting, San Francisco, CA, 2023. Selected for inclusion in ANESTHESIOLOGY® Annual Meeting OnDemand, a CME eligible session.
 9. "Unraveling the Intricacies of Intraoperative EEG Management: a tour of three clinical cases." Moderator, 60-minute Clinical Forum. American Society of Anesthesiologists annual meeting, Philadelphia, PA, 2024. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
 10. "A Rational Approach to Challenging Cases." Moderator, 60-minute Panel. Society for Neuroscience in Anesthesiology and Critical Care annual meeting. Atlanta, GA, 2025
 11. "Electroencephalography in the OR - Definitions, Established, and Emerging Applications." Moderator, 60-minute Snap Talk. American Society of Anesthesiologists annual meeting, San Antonio, TX 2025. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
3. **Other Conference Activities:**
1. Clinical Neuroscience poster session, Moderator, American Society of Anesthesiologists annual meeting, Orlando, FL, 2020
 2. Medically challenging case poster session, Critical Care Medicine. Facilitator, American Society of Anesthesiologists annual meeting, New Orleans, LA, 2022
 3. Medically challenging case poster session, Perioperative Medicine. Facilitator, American Society of Anesthesiologists annual meeting, San Francisco, CA, 2023
 4. Clinical Science, Clinical Trials, Neuromonitoring abstract session, Moderator, Society for Neuroscience in Anesthesiology and Critical Care, Denver, CO, 2024
 5. Poster session, judge, Neuroanesthesia Symposium, Malaysian Society of Neuroanaesthesiology and Neurocritical Care, Kota Kinabalu, Sabah, 2025
 6. Neuromonitoring abstract session, Moderator, Society for Neuroscience in Anesthesiology and Critical Care, Atlanta, GA, 2025

b. Regional:

1. Administrative Positions:

1. Co-Founder and Co-Director, Health Career Convention, University of Florida Premedical AMSA (<https://www.uflamsa.com/hcs>), 1995-1996
2. Assistant Director, Fourth Annual Neurocritical Care for the Medical and Surgical Intensivist, The Johns Hopkins Hospital Department of Anesthesiology and Critical Care Medicine, 2012

2. Sessions as Chair:

1. Director, Simulation session "The Brain Code," Third and Fourth annual Neurocritical Care for the Medical and Surgical Intensivist, The Johns Hopkins Hospital Department of Anesthesiology and Critical Care Medicine, 2011-2012

c. Institutional:

1. Administrative Positions:

1. Program director, Acute Neurosciences Research Conference (weekly CME accredited conference), The Johns Hopkins Department of Anesthesiology and Critical Care Medicine, Neurocritical Care division, 2011-2012

17. Clinical Service Contributions:

- a. Johns Hopkins Bayview Hospital, Director of Neuroanesthesiology, 2010-2011
 1. Created perioperative management guidelines in neuroanesthesiology
- b. Emory University Hospital, Director of Neuroanesthesiology, 2016-present
 1. Developed Neuroanesthesiology subspecialty group, 2016
 2. Clinical Pathway Development Leader, Emory University Hospital Department of Anesthesiology, Review of evidence-based literature in neuroanesthesiology with division faculty and staff through formal division meetings and monthly literature distribution, 2016-present
 3. Created neuroanesthesiology case protocols (Craniotomy for Intracranial Vascular Lesion, Craniotomy for Tumor Resection), published on the EUH anesthesiology website, 2017, revised 2023
 4. Examined and reworked OR to ICU handoff procedure, 2017-2019
 5. Established Neuroanesthesiology article of the month, 2017-present
 6. Facilitate daily neurosurgical case assignments, 2017-present
 7. Conceived joint neurosurgical-anesthesiology conference/grand rounds. Organizer of at least biannual meetings, 2017-present
 8. Developed and supervised all educational rotations in the operating room for neurosurgical residents and neurocritical care fellows, 2017-present
 9. Completed QI project on neuroanesthesiology resident curriculum development. Rebuild entire rotation curriculum to include weekly AM PBLD's, incorporation of SNACC education material, editing of the 20/20 intraoperative teaching topics and creation of an answer key for faculty, 2019-2021
 10. Emory stroke program, thrombectomy case QI review, 2021-present
 11. Created additional protocols for innovative neurosurgical cases (cervical trigeminal tractotomy and epilepsy surgery with ECog), 2022
 12. Brain tumor Value Stream Analysis working group, 2023
 13. Distribute "Frontal EEG tracing of the month" in lieu of literature distribution for department educational purposes, 2023
 14. Educator, Neurosurgery skull base service line transition from Emory University Hospital to Emory University Midtown Hospital, 2023
 15. Co-editor of 20/20 intraoperative teaching topics for the Neuroanesthesiology resident rotation and the answer key for faculty, 2025

18. Contributions to Diversity, Equity, and Inclusion:

- a. Participant in the Society for Neuroscience in Anesthesiology and Critical Care “Symposium on Diversity, Equity and Inclusion” for Division Chiefs and Fellowship Directors, 2020
- b. DEI has been a significant factor in all leadership choices during my time as SNACC Trainee Engagement Committee chair, 2021-2023
 - 1. Selected Kamilla Esfahani and Lauren Dunn as lead and associate lead of the Neuroanesthesia Classroom, respectively
 - 2. Selected Priscilla Nelson to run the EEG Clinical Snapshot subcommittee
 - 3. Selected Cassandra Dean to run Clinical Forums subcommittee
 - 4. Transitioned TEC chair and associate chair positions to Jacqueline Morano and Sonal Sharma, respectively
- c. DEI played a prominent role in the speakers chosen for sessions submitted for consideration to ASA national meetings
 - 1. Multimodal Analgesia for Craniotomy: Moving Toward an Opioid-free Technique, 2020, 2021
 - 2. Time is Brain: Extinguishing Neurologic Emergencies in the Operating Rooms, 2022
 - 3. Solving common problems with frontal EEG monitors: knobology, advanced settings, electrodes, and artifact (workshop), 2023
 - 4. Unraveling the Intricacies of Intraoperative EEG Management: a tour of three clinical cases, 2023, 2024
 - 5. Keep it steady – promises of individualized management of cerebral autoregulation. SNACC-sponsored panel, 2025
- d. DEI played a prominent role in the speakers chosen for the International Anesthesia Research Society SNACC-sponsored panel, 2025
- e. Co-authored PowerPoint presentation for National Disability Employment Awareness Month posted to Emory Anesthesiology website, October 2024
- f. Hands-on Station lead (vascular access): Emory Pipeline Collaborative (EPiC) program for Atlanta public high school students. Discussion of careers in anesthesiology, June 2025

19. Honors and Awards:

- a. Contribution made to the “Friends of Medicine” program in my honor, Fund for Johns Hopkins Medicine, 2009
- b. Annual Subspecialty Teaching Award (subspecialty teacher of the year), awarded by residents, EUH Department of Anesthesiology, 2017
- c. Annual Neurocritical Care Teaching Award, awarded by fellows, Department of Neurology and Neurosurgery, EUH, 2021
- d. Annual Clinical Teaching Award, fundamentals in anesthesiology (teacher of the year), awarded by residents, EUH Department of Anesthesiology, 2022
- e. Emory School of Medicine Researcher Appreciation Day Recognition, 2022
- f. "Opioid-Free Anesthesia for Craniotomy, A Retrospective Cohort Study." Awarded Editor's Designation Choice Article, Journal of Neurosurgical Anesthesiology, 2022
- g. Annual Clinical Teaching Award, fundamentals in anesthesiology (teacher of the year), awarded by residents, EUH Department of Anesthesiology, 2023
- h. Emory School of Medicine Educator Appreciation Day Recognition, 2024
- i. Annual Clinical Teaching Award, fundamentals in anesthesiology (teacher of the year), awarded by residents, EUH Department of Anesthesiology, 2024
- j. Doctors' Day honoree, selected by School of Medicine Recognitions Committee, 2025
- k. Distinguished Physician clinical distinction, 2025

20. Formal Teaching:

a. Course Direction and Organization:

1. Developed orientation program for incoming Johns Hopkins neurocritical care residents, 2008-2009
2. Established the first Simulation Center Educational Program for the Johns Hopkins Neurocritical Care Fellowship Program. Seminars modified and extended to SICU fellows, pulmonary critical care fellows, and neurology residents. Sessions included acute airway management, invasive procedures, brain code 1&2, BLS/ACLS, and acute coronary syndrome and miscellaneous emergencies. 2009-2013.
3. Organized fiberoptic intubation class to rotating SRNA's at the Johns Hopkins Simulation Center, 2010, 2 hours
4. Created a simulation program on the brain code for Lifeline ("Purple People"), Johns Hopkins Hospital, 2011, 2 hours
5. Created evidence-based, educational syllabus for anesthesia residents in the Johns Hopkins Preoperative Evaluation Center, 2012-2013
6. Developed program (and current supervisor), four- to eight-week OR rotation in anesthesiology for the Emory Neurocritical Care fellowship program, 2016-present
7. Developed program (and current supervisor), two- to four-week OR rotation in anesthesiology for the neurosurgery residency, EUH, 2018-present
8. Established four-week anesthesiology resident rotation elective in the neurocritical care unit, Emory, 2018-present
9. Developed one-year Neuroanesthesiology fellowship program, Emory, 2018-2021
10. Developed Neuroanesthesiology residency rotation PBLD program, Emory, 2020-present
11. Co-developing one-year Neuroanesthesiology fellowship program (International Council on Perioperative Neuroscience Training (ICPNT) certified), Emory, 2026-present

b. Institutional Lecture Duties Within the Setting of a Course or Rotations:

1. "Arterial Pressure Monitoring." Co-lecturer to Nurse Practitioner Students, Johns Hopkins School of Nursing, 2007, 1 hour
2. "Cerebral Resuscitation: Management of Elevated ICP and Brain Edema," Johns Hopkins Neurocritical Care Fellow lecture, 2009, 1 hour
3. "Management of the Brain Code." JHH Neurocritical Care Fellow lecture, part of annual Simulation Center educational program, 2009-2013, 1 hour/yr
4. "The Diagnosis and Management of Sepsis," Johns Hopkins Neurocritical Care Fellow lecture, 2009, 1 hour
5. "Mechanical Ventilation," Johns Hopkins Neurocritical Care Fellow lecture, 2010, 1 hour
6. "ICP and the Intricacies of Neuroanesthesia," Johns Hopkins Neurocritical Care Fellow lecture, 2010, 1 hour
7. "Vascular Access Devices," Nurse Practitioner Students, Johns Hopkins School of Nursing, 2011, 1 hour
8. "Intracranial Hypertension: Everything you need to know," Lecture to Johns Hopkins Neurology residents, 2012, 1 hour
9. Case conference: post-operative delirium. Classroom instruction to first year medical students, The Johns Hopkins School of Medicine, 2012, 2 hours
10. "Pharmacology of Airway Management," Emory Neurocritical care fellow and faculty lecture, 2016-2018, 2020-present, 1 hour/yr
11. "Perioperative Management of Subarachnoid Hemorrhage," Emory Neurocritical care fellow and faculty lecture, 2016, 1 hour
12. Emergency airway tutorial. Emory University School of Medicine medical students, 2016-2017, 2 hours/yr
13. Neuromuscular disease, lecture to first year anesthesia residents. Emory University, 2016-2017, 1 hour/yr

14. "Pupillometer," Emory Neurocritical care fellow and faculty lecture, 2017, 1 hour
15. Intraoperative Hypertension, Hypotension, and Hypoxia. Orientation lecture, Emory first year anesthesia residents, 2017-2022, 1 hour/yr
16. "Review of Neuroanesthesiology," Anesthesia Assistant students. Emory University, 2017, 2 hours
17. "Neuromonitoring in TBI," Emory Critical Care Medicine fellow lecture, 2019, 1 hour
18. "Clinical Utility of Pupillary Assessment," Emory Neurocritical care fellow and faculty lecture, 2019, 1 hour
19. Case-based learning in Neuroanesthesia. Emory anesthesiology residents, 2019, 1 hour
20. "Scalp blockade." Lecture to Emory regional pain division including fellows and rotating residents. EUH, 2019, 1 hour
21. "Basics of Neuroanesthesiology," Lecture to CA 2-3 Emory anesthesiology residents, 2019, 1 hour
22. "The Awake Craniotomy," Co-presenter. Lecture to Emory anesthesiology residents, 2020, 1 hour
23. "Neuro Primer for Anesthesia Residency." Lecture to Emory PGY1 anesthesiology interns, 2022, 1 hr
24. Advanced board review to CA2-3 Emory anesthesiology residents, case-based learning discussion session, 2017-2020, 2022--present, 60-120 min/yr
25. Neuroanesthesia PBLD session, Subarachnoid hemorrhage. CA 1-3 Emory anesthesiology residents, 2023-present, 30-60 min/yr
26. "Neurophysiology, part 2." Anesthesia Assistant students. Emory University, 2023-present, 2 hrs
27. "Basic Frontal EEG Interpretation." Anesthesia Assistant students. Emory University, 2025, 2 hrs

c. Small Group and Multi-Disciplinary Teaching:

1. "Outcome predictors and Spectrum of Treatment Eligibility with Prospective Protocolized Management of Intracerebral Hemorrhage," Johns Hopkins Neurocritical Care Fellow and Faculty journal club, 2009, 1 hour
2. Workshop station leader-airway management; annual multidisciplinary airway course. Johns Hopkins Simulation Center, 2009-2011, 2 hours/yr
3. Co-leader simulation session on infant difficult airway during multidisciplinary airway course. Johns Hopkins Simulation Center, 2013, 2 hours
4. Emergency airway tutorial. Medical student, Emory University School of Medicine, 2016-2017, 2 hours/yr
5. Mock oral boards examiner. Emory anesthesia residents, 2016-present, 2 hours x 2-3 sessions/yr
6. Anesthesia resident key words discussion. EUH, 2016-2017, 1 hour x 3
7. Small group: pro-con debate, Nitrous oxide in neurosurgery. Emory University anesthesia residents, 2017, 1 hour
8. Neurosurgical subspecialty Journal club: Role of dexmedetomidine for post-craniotomy pain. Emory University anesthesia residents, 2017, 1 hour
9. Neurosurgical subspecialty Journal club: Treatment of cerebral edema during craniotomy for tumor. Emory University anesthesia residents, 2018, 1 hour
10. Neurosurgical subspecialty Journal club: Review of hypothermia post cardiac arrest concentrating on targeted temperature management for 48 vs 24 hours. Emory University anesthesia residents, 2018, 1 hour
11. Journal club: Use of midazolam, dose response and amnesia, Emory University anesthesia residents, 2018, 1 hour
12. Group leader: Capstone Pharmacy Review Course, Emory University School of Medicine,

2019, 3 hours

13. Neurosurgical subspecialty Journal club: Succinylcholine for intubation after TBI, Emory University anesthesia residents, 2019, 1 hour
14. Co-leader, Emergency cricothyroidotomy workshop. Emory anesthesia residents, 2019, 2 hours
15. Subarachnoid hemorrhage PBLD, Emory neuroanesthesiology resident rotators, 2020-present, 30 minutes/month
16. Anesthesiology Case Conference, Co-lead small group, 2020-present, 30 min x 6
17. Neuroanesthesia key words conference, EUH, 2021-present, 30 min x 8
18. Anesthesia resident simulation session, 2022, 3 hours x 1
19. Mentor for senior Anesthesiology resident journal club, 2022-2023, 2025, 30-60 min x 3

d. Other Categories:

1. Revision Neuroanesthesia oral board stem and “grab bag” questions for junior and senior Emory Anesthesiology residents, 2023

21. Supervisory Teaching:

a. Bedside Teaching/Clinic Precepting:

1. Anesthesiology Observership Program, Katherine Neely Lanier (Nurse clinician, Neurosurgical ICU), 16 hours, 2018
2. Anesthesiology Observership Program, Alex Stevenson (Nurse clinician, Neurosurgical ICU), Emory Healthcare, 16 hours, 2018
3. Anesthesiology Observership Program, Haley Claudio (Nurse clinician, Neurosurgical ICU), Emory Healthcare, 16 hours, 2019

b. Mentoring Activities:

Postdoctoral or Clinical Fellows

Name	Year(s) supervised	Current position and employer
Manjunath Markandaya, MD	2008-2010	Medical Director, Stroke and Neurosciences Intensive Care Unit and Program, Vidant Medical Center
Yama Akbari, MD	2010-2012	Assistant professor, University of California, Irvine Medical Center
Anthony Frattalone, MD	2011-2013	Attending physician at Brooke Army Medical Center
Wendy Chang, MD	2011-2013	Associate professor, University of Maryland
Zheng Lan, MD, PhD	2017-2019	Neurology resident, SUNY Downstate Medical Center
Cassandra Dean, MD	2020-present	Assistant Professor of Anesthesiology, Emory University SOM
Sumaiya Khondker, MD	2021-2022	Neurohospitalist, Hamilton Medical Center
Jimmy Suh, MD	2021-2022	Assistant Professor Neurology and Neurocritical Care, MUSC
Caroline Maness, MD	2022-2023	Assistant Professor Neurology and Neurocritical Care, Emory
Dylan Jones, MD, MPH	2022-2023	Neurologist, Lahey Hospital and Medical Center
Srinivasan, Pavitra, MD	2024-2025	Neurocritical Care Fellow, Emory University Hospital

Residents

Name	Year(s) supervised	Current position and employer
Stacey Lin, MD	2016-2018	Private practice, Oneida Health Anesthesiology, Oneida, NY
Chia Winchester, MD	2017-2019	Assistant Professor, Emory University SOM
Victoria Melanson, MD	2018-2021	Staff anesthesiologist, Wellstar Health System, Marietta, GA
Jack Shteamer, MD	2018-2021	Assistant professor, University of Pennsylvania
Kevin Lay, MD	2018-2021	Private practice, Arcadia Anesthesia, Addison, TX
Bryan Nycz, MD	2020-2023	Private practice, Boulder Community Health, Boulder, CO
Kitae Chang, MD	2021-2024	ICU fellow, Brigham and Women's Hospital, Boston, MA
Eric Whitton, MD	2021-2024	Staff anesthesiologist, Northside Gwinnett, Lawrenceville, GA
Abdul Hassan, MD	2022-2023	Anesthesiology resident, Emory, Atlanta, GA
David Reehl, MD	2022-present	Anesthesiology resident, chief, Emory, Atlanta, GA
Vyshakh Shibu, MD	2022-present	Anesthesiology resident, Emory, Atlanta, GA
Ben Taylor, MD	2024-present	Anesthesiology resident, Emory, Atlanta, GA
Kevin Flood, MD	2024-present	Anesthesiology resident, Emory, Atlanta, GA
Ajay Patel, MD	2025-present	Anesthesiology resident, Emory, Atlanta, GA

Medical Students

Name	Year(s) supervised	Current position and employer
Ilijas Gusmirovic, DO	2010	Partner at Anesthesia Partners LTD, Clayton, MO
Parth Patel, MD	2019-2020	Internal Medicine resident
Dale Tager, MD	2022	Anesthesia resident
Nita Chai	2023-current	Anesthesia resident, Emory
Ari Levine	2023-current	Medical student, Emory
Owen Cooper	2025-current	Medical student, Emory

Undergraduate Students

Name	Year(s) supervised	Current position and employer
Grace Edgerton	2017-2019	Healthcare Consultant at West Monroe
Kaleb Flores	2019	Anesthesia Assistant program, Emory
Paige Santee	2020-2021	Medical student
Natalia Orellana	2023	Undergraduate, Emory
Yoon Choi	2024	Undergraduate, Emory
Hudson Zhou	2025	Undergraduate, Johns Hopkins

Other (e.g., Visiting Scholars, Junior Faculty)

Name	Year(s) supervised	Current position and employer
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Milad Sharifpour, MD	2019-2021	Associate Professor, Medical director, Division of Vascular Anesthesia, Cedar Sinai
Ian McCullough, MD	2021-present	Associate Professor of Anesthesiology, Emory
Mushtaq Qureshi, MD	2026-present	Assistant Professor of Anesthesiology, Emory

22. Lectureships, Seminar Invitations, and Visiting Professorships:

a. National and International:

1. "The Basic Science Behind Osmotherapy." Visiting Professor, University of California San Diego. April 2013
2. "The ENLS Approach to Emergency Neurology: Applications to Anesthesia & Future Directions." Visiting Professor, Grand Rounds, University of California San Diego. April 2013
3. "Awake Craniotomy: GA or MAC?" Grand Rounds (virtual), University of Arizona Tucson. August 2021
4. "Awake Craniotomy: GA or MAC?." Grand Rounds (virtual), University of Arkansas, Fayetteville. December 2022
5. "Perioperative Management of Postcraniotomy Pain." Grand Rounds (virtual), Westchester Medical Center. May 2024
6. "Debated Topics in Neuroanesthesiology." Visiting Professor, University of Alabama at Birmingham. December 2024

b. Regional:

1. "The ENLS Approach to Emergency Neurology: Clinical Applications and Open Questions." Grand Rounds, MedStar Washington Hospital Center Department of Anesthesiology, February 2013

c. Institutional:

1. "Proposed NPO guidelines for Critically Ill Patients." Problem Based Learning Discussion (PBLD) Conference, Johns Hopkins Department of Anesthesiology, 2010
2. "The Right Hemispheric Stroke and Risk Factors for Perioperative Stroke." Problem Based Learning Discussion (PBLD) Conference, Johns Hopkins Department of Anesthesiology, 2011
3. "The History of Neuroanesthesiology and its continuum: the neuro ICU." Grand Rounds, Emory Department of Neurosurgery, 2016
4. "Anesthesia for Cerebral Aneurysms and AVMs." AM Conference, Emory Department of Anesthesiology, 2016
5. "Neuro 101." Co-presenter, AM Conference, Emory Department of Anesthesiology, 2017
6. "Neuro Vignettes: management of complex cases and emergencies," Co-presenter, AM Conference, Emory Department of Anesthesiology, 2018
7. "Intracranial Neuromonitoring: Inside Out." Grand Rounds, Emory Department of Anesthesiology, September 2018
8. "The Unknowns of Anesthesia for Aneurysm Clipping." Emory Neurosurgery Grand Rounds/Anesthesiology joint AM conference, EUH, 2018
9. "Neuroanesthesiology across Emory." Anesthesiology Education Faculty Town Hall, EUH, 2020
10. "Critical Concepts in Neuroanesthesia." Expert lecture series, Emory Department of Anesthesiology, 2021
11. "Essentials of Intracranial Neuroanesthesiology." Expert lecture series, Emory Midtown Department of Anesthesiology, 2023
12. "The Anesthesiologist's Side of Awake Craniotomy." Emory Neurosurgery Grand Rounds/Anesthesiology joint AM conference, 2024
13. "A Whirlwind Tour of Intraoperative EEG." Expert lecture series. Snap-talk style lecture,

23. Invitations to National/International, Regional, and Institutional Conferences:

a. National and International:

1. "Do the eyes have it? Clinical applications of pupillometry and optic nerve monitoring." Speaker, 60-minute panel session, American Society of Anesthesiologists annual meeting, Orlando, FL, 2019
2. "Multimodal Analgesia for Craniotomy: Moving Toward an Opioid-free Technique." 60-minute Snap-talk panel session. Lead speaker, "Overview of Post-Craniotomy Pain." American Society of Anesthesiologists annual meeting, 2020 (talk not presented due to truncated program during COVID pandemic)
3. "Pain Management in the Neurocritical Care Unit." Speaker, 60-minute panel session. Society for Neuroscience in Anesthesiology and Critical Care annual meeting (virtual), 2021
4. International Council for Perioperative Neurosciences Training Bootcamp. Intracranial Pressure workshop station (co-lead). Society for Neuroscience in Anesthesiology and Critical Care annual meeting (virtual), 2021
5. "Multimodal Analgesia for Craniotomy: Moving Toward an Opioid-free Technique." 60-minute Snap-talk panel session. Lead speaker, "Overview of Post-Craniotomy Pain." American Society of Anesthesiologists annual meeting, San Diego, CA, 2021. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
6. "Overview of Post-Craniotomy Pain." 10-minute TED talk. American Society of Anesthesiologists annual meeting, San Diego, CA, 2021
7. "ALERT! What Do I need to Do About Intraoperative Neurophysiologic Monitoring." Speaker, 60-minute Snap-talk panel session. "Processed EEG-beyond the algorithm." American Society of Anesthesiologists annual meeting, San Diego, CA, 2021. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
8. International Council for Perioperative Neuroscience Training Master Class, EEG workshop. Co-lead EEG Artifact and Noise station. Society for Neuroscience in Anesthesiology and Critical Care Annual Meeting, Seattle, WA, 2022
9. "Intraoperative Neurophysiologic Monitoring ALERTS – What Do I Need to Do?" Speaker, 60-minute Snap-talk panel session. "Processed EEG-beyond the algorithm." American Society of Anesthesiologists annual meeting, New Orleans, LA, 2022. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
10. International Council for Perioperative Neuroscience Training Master Class, EEG workshop. Co-lead EEG Artifact and Noise station. Society for Neuroscience in Anesthesiology and Critical Care Annual Meeting, Alexandria, VA, 2023
11. "Time is Brain: Extinguishing Neurologic Emergencies in the Operating Rooms." 60-minute Snap-talk panel session. Lead speaker, "Is it Cushing's reflex – optimizing patients with elevated intracranial pressure." American Society of Anesthesiologists annual meeting, San Francisco, CA, 2023. Designated as Patient Safety MOCA Part 2 CME credit eligible.
12. International Council for Perioperative Neuroscience Training Master Class, EEG workshop. Station lead, "Case Discussion." Society for Neuroscience in Anesthesiology and Critical Care Annual Meeting, Denver, CO, 2024
13. "PACUs Save Lives: Early Postoperative Management of Common Complications." Speaker, 90-minute Scientific Panel session. "Delayed Emergence from Anesthesia: When to Call a Stroke Code." 78th PostGraduate Assembly in Anesthesiology, New York, NY, 2024. Invitation from the New York Society of Anesthesiologists.
14. "PACU Disasters and How We Deal with Them." 60-minute "Engaging with the Experts" session. 78th PostGraduate Assembly in Anesthesiology, New York, NY, 2024. Invitation from the New York Society of Anesthesiologists.
15. "Pupillometry in Intracranial Hypertension and Brain Herniation." Neuroanaesthesia Symposium (NAS), Kota Kinabalu, Sabah, Malaysia, 2025. Invitation from Malaysian Society

of Neuroanaesthesiology and Neurocritical Care (MSNACC).

16. "Looking Beyond Age: Understanding Cognitive Frailty." Neuroanaesthesia Symposium (NAS), Kota Kinabalu, Sabah, Malaysia, 2025. Invitation from Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC).
17. International Council for Perioperative Neuroscience Training Master Class, EEG Monitoring workshop. Lecture: "Beyond Hypnotic Dose: Monitoring for Intraoperative Pain." Society for Neuroscience in Anesthesiology and Critical Care Annual Meeting, Atlanta, GA, 2025.
18. "Electroencephalography in the OR - Definitions, Established, and Emerging Applications." Speaker, 60-minute Snap-talk panel session. "Applications of EEG in TIVA, Including Drug Delivery Confirmation, Burst Suppression Management, and Optimizing Analgesia." American Society of Anesthesiologists annual meeting, San Antonio, TX 2025. Selected to be included in "Anesthesiology Annual Meeting on Demand" as a CME eligible session.
19. "Demystifying Intraoperative Neuromonitoring (IONM) and TIVA Pearls." Speaker, 90-minute panel session. "Why We Should Always Use the EEG with TIVA." 79th PostGraduate Assembly in Anesthesiology, New York, NY, 2025. Invitation from the New York Society of Anesthesiologists.
20. 79th PostGraduate Assembly in Anesthesiology, EEG monitoring workshop. Lecture: "EEG 'Signatures' and Changes with Age." New York Society of Anesthesiologists, New York, NY, 2025.
21. Pro Con Debate "EEG monitoring should be standard for all general anesthetics?" Canadian Anesthesiologists' Society annual meeting, Ottawa, ON, 2026 (future).
22. "Total Intravenous Anesthesia: Principles, Precision, and the Brain." Speaker 90-minute panel. Canadian Anesthesiologists' Society annual meeting, Ottawa, ON, 2026 (future).

b. Regional:

1. "Introduction to Brain Code." Fourth Annual Neurocritical Care for the General and Surgical Intensivist, Baltimore, MD, March 2012
2. "Neuroanesthesia Potpourri." Invited lecture, Georgia Society of Anesthesiologists annual winter meeting, Atlanta, GA, 2019
3. "Anesthetic Considerations for Awake Craniotomy." Invited lecture, Michigan Society of Anesthesiologists, virtual lecture, March 2025
4. "EEG Clinical Case Discussion." Invited lecture, EEG workshop. Californian Society of Anesthesiologists, Anaheim, CA, April 2026 (future)

24. Abstract Presentations at National/International, Regional, and Institutional Conferences:

a. National and International:

1. "The Safety and Efficacy of Hypertonic Saline In An Acute Embolic Stroke Model in Wistar Rats." **Papangelou A**, Mirski MA, Koehler RC, Toung TJK*. American Society of Anesthesiology annual meeting, New Orleans, LA, 2009 (poster)
2. "Change in the Rate of Ventilator Associated Pneumonia With Quality Improvement Interventions in a Neurointensive Care Unit." **Papangelou A***, Nyquist A, Zink E, Desnoo L, Ziai W. Neurocritical Care Society annual meeting, New Orleans, LA, 2009 (poster)
3. "Hypertonic Saline and Furosemide: Comparison of Diuresis and Tissue Water Content in Volume Treated Rats." **Papangelou A**, Mirski MA, Toung TJK*. American Society of Anesthesiology annual meeting, San Diego, CA, 2010 (poster)
4. "Comparison of Equal Volumes and Equalosmolar Mannitol and Hypertonic Saline on Tissue Water Content in Normal Rats. How Does Furosemide Change the Potency of Hypertonic Saline?" Wang LC*, **Papangelou A**, Mirski MA, Toung TJK. American Society of Anesthesiology annual meeting, San Diego, CA, 2010 (poster)
5. "Increasing anesthetic duration in association with lower arterial blood pressure following embolic stroke increases BBB disruption in rats." Toung TJK*, Guang X, **Papangelou A**, Koehler R. American Society of Anesthesiology annual meeting, Chicago, IL, 2011 (poster)

6. "Cerebral Dehydrating Effects of 6% Hypertonic Saline Is Equipotent to 25% Mannitol in Rats." Mirski MA*, **Papangelou A**, Chuang TY, Toung TJK. American Society of Anesthesiology annual meeting, Chicago, IL, 2011 (poster)
7. "NPO Practice in Critically Ill Populations." Chang W*, Gill R, Lipsett P, **Papangelou A**. Neurocritical Care Society annual meeting, Denver, CO, 2012 (poster)
8. "Increasing anesthetic duration in association with lower arterial blood pressure following embolic stroke increases blood-brain barrier disruption in rats." Toung TJK*, Liu X, **Papangelou A**, Koehler R. American Society of Anesthesiology annual meeting, San Francisco, CA, 2013 (poster)
9. "Description of Transtentorial Herniation by Automated Pupillometry." Chang W, **Papangelou A***, Zink E, Frattalone A, Gergen D, Gottschalk A, Geocadin R. Neurocritical Care Society annual meeting, Philadelphia, PA, 2013 (poster)
10. "Drug-drug interaction study of tafenoquine and the ACTs DHA-piperaquine (DHA-PQP) and artemether-lumefantrine (AL)." Green JA*, Mohamed K, Goyal N, Wolstenholme A, Taylor M, Buckley R, Jones S, Hussaini A, **Papangelou A**, Kostov I, Koh G, Duparc S. American Society of Tropical Medicine and Hygiene annual meeting, Baltimore, MD, 2015 (poster)
11. "Serum chloride as a biomarker for SAH patients at risk for acute kidney injury: Preliminary results from the ACETatE trial." Sadan O*, Singbartl K, Kraft J, Plancher JM, Kandiah P, Pimentel C, Hall CL, **Papangelou A**, Asbury W, Hanfelt J, Samuels O. Neurosciences in Critical Care International Symposium, Washington D.C., 2019 (poster and platform presentation).
12. "Utilization of the Preoperative Superficial Cervical Plexus Block and Scalp Block on Intraoperative and Postoperative Pain for Retrosigmoid Craniotomies." Melanson V*, Curtis C, Kelly S, Olson J, **Papangelou A**. Society for Neuroscience In Anesthesiology and Critical Care annual meeting, Phoenix, AZ, 2019 (poster).
13. "A low ChloridE hypertonic solution for brain Edema (ACETatE) trial." Sadan O*, Singbartl K, Kraft J, Plancher JM, Kandiah P, Pimentel C, Hall CL, **Papangelou A**, Asbury W, Hanfelt J, Samuels O. Society of Critical Care Medicine annual meeting, Orlando, FL, 2020 (poster).
14. "A novel method for identifying cognitive vulnerability in the preoperative setting, feasibility and pilot results." Patel P*, Sharifpour M, Boorman D, McCliment M, Edgerton H, Santee P, Egan K, Atkins R, Garcia P, **Papangelou A**. Society for Neuroscience In Anesthesiology and Critical Care annual meeting, Virtual, 2020 (ePoster).
15. "A novel method for identifying cognitive vulnerability in the preoperative setting, feasibility and pilot results." Patel P*, Sharifpour M, Boorman D, McCliment M, Edgerton H, Santee P, Egan K, Atkins R, **Papangelou A**, Garcia P. American Society of Anesthesiology annual meeting, Virtual, 2020 (ePoster).
16. "Anterior Tilt of Thyroid Cartilage Leading to Difficult Intubation." Medically Challenging Case. Yao E*, Willingham E, **Papangelou A**. American Society of Anesthesiology annual meeting, Virtual, 2020 (ePoster).
17. "Critical Hemispheric Asymmetry Captured by Processed Electroencephalogram During General Anesthesia." Nycz B*, Dean C, **Papangelou A**. Society For Neuroscience In Anesthesiology and Critical Care annual meeting, Virtual, 2021 (ePoster).
18. "Critical Hemispheric Asymmetry Captured By Processed Electroencephalogram During General Anesthesia." Nycz B*, Dean C, **Papangelou A**. American Society of Anesthesiology annual meeting, San Diego, CA, 2021 (poster).
19. "A Case of Serotonin Toxicity Following Intraoperative Fentanyl Administration." Jaiyeola C*, Kim A, **Papangelou A**. International Anesthesia Research Society, Honolulu, HI, 2022 (poster).
20. "Mask Anesthesia In The Setting Of Etomidate-induced Masseter Muscle Spasm And Rigidity." Pham P*, **Papangelou A**. American Society of Anesthesiology annual meeting, New Orleans, LA, 2022 (poster).
21. "Poor Preoperative Performance on a Self-Administered, 5-minute Visual Paired

Comparison Task is Associated with Delirium in the Post-Anesthesia Care Unit.”
Papangelou A*, Boorman D, Garcia P. PostGraduate Assembly in Anesthesiology
 (PGA77), New York, 2023

22. “Survey of Gaps in Anesthesia Provider Electroencephalogram (EEG) Education: Gaps and opportunities to improve training and care.” Lee K, Pawar N, Ramirez R, Berger J, Burma Burnham C, Beld M, Kalarickal P, Abramowicz E, Papangelou A, Barreto Chang OL. Californian Society of Anesthesiologists annual meeting, Anaheim, CA, 2026 (poster).

b. Institutional:

1. “The Safety and Efficacy of Hypertonic Saline In An Acute Embolic Stroke Model in Wistar Rats.” **Papangelou A***, Mirski MA, Koehler RC, Toung TJK. 11th Annual Johns Hopkins ACCM Research Day, Baltimore, MD, 2009 (poster)
2. “Change in the Rate of Ventilator Associated Pneumonia With Quality Improvement Interventions in a Neurointensive Care Unit.” **Papangelou A***, Nyquist A, Zink E, Desnoo L, Ziai W. 11th Annual ACCM Research Day, Baltimore, MD, 2009 (poster)
3. “Hypertonic Saline and Furosemide: Comparison of Diuresis and Tissue Water Content in Volume Treated Rats.” **Papangelou A***, Mirski MA, Toung TJK. 12th Annual ACCM Research Day, Baltimore, MD, 2010 (poster)
4. “Comparison of Equal Volumes and Equalosmolar Mannitol and Hypertonic Saline on Tissue Water Content in Normal Rats. How Does Furosemide Change the Potency of Hypertonic Saline?” Wang LC, **Papangelou A***, Mirski MA, Toung TJK. 12th Annual ACCM Research Day, Baltimore, MD, 2010 (poster)
5. “Increasing anesthetic duration in association with lower arterial blood pressure following embolic stroke increases BBB disruption in rats.” Toung TJK*, Guang X, **Papangelou A**, Koehler R. 13th Annual ACCM Research Day, Baltimore, MD, 2011 (poster)
6. “Cerebral Dehydrating Effects of 6% Hypertonic Saline Is Equipotent to 25% Mannitol in Rats.” Mirski MA, **Papangelou A***, Chuang TY, Toung TJK. 13th Annual ACCM Research Day, Baltimore, MD, 2011 (poster)
7. “NPO Practice in Critically Ill Populations.” Chang W*, Gill R, Lipsett P, **Papangelou A**. 14th Annual ACCM Research Day, Baltimore, MD, 2012 (poster)
8. “Comparison of High Tonicity Hypertonic Saline and Furosemide: Effect on Natriuresis, Diuresis and Tissue Water Content in Hypervolemic Rats.” **Papangelou A**, Mirski MA, Toung TJK*. 18th Annual ACCM Research Day, Baltimore, MD, 2016 (poster)
9. “Utilization of the Preoperative Superficial Cervical Plexus Block and Scalp Block on Intraoperative and Postoperative Pain for Retrosigmoid Craniotomies.” Melanson V*, Curtis C, Kelly S, Olson J, **Papangelou A**. Emory Quality Conference, Atlanta, GA, 2019 (poster)
10. “Hyperoxia in the OR.” Whitton L*. Mentor for Resident Grand Rounds. Emory Department of Anesthesiology, Atlanta, GA 2023.
11. “Methadone Madness: A Case for Increasing the Use of Perioperative Methadone.” Shibu V*. Mentor for Resident Grand Rounds. Emory Department of Anesthesiology, Atlanta, GA 2024.
12. “The Future 6th Standard Monitor?” Patel A*. Mentor for Resident Grand Rounds. Emory Department of Anesthesiology, Atlanta, GA 2025

25. Research Focus:

My early research focused on the management and early detection of transtentorial herniation and intracranial hypertension. The work centered on hypertonic saline in clinical and the laboratory settings. I recently completed a prospective study evaluating preoperative screening for cognitive impairment, automated pupillometry and PACU delirium. I have current interests in scalp blockade, post-craniotomy pain, intraoperative EEG and postoperative neurocognitive disorders.

26. Grant Support:

a. **Previous Support:**

1. PI, Neuroptics. "A prospective evaluation of automated pupillometry compared to conventional pupillary assessment in detection of clinical brain herniation in the ICU." Unrestricted medical grant, Industry (Neuroptics, Inc), \$20,000. 2012.
2. PI, Shirley Sohmer award. "A prospective evaluation of automated pupillometry compared to conventional pupillary assessment in detection of clinical brain herniation in the ICU." Institutional (Johns Hopkins Department of Anesthesiology and Critical Care Medicine), \$1,000, 2012.
3. PI, Team Based Science (TBS) grant. "Clinical Investigation of an Eye-Tracking Device as a Predictor of Delirium in the Recovery Room after Surgery with General Anesthesia" Institutional (Emory Department of Anesthesiology), \$35,000, 2018.

27. **Bibliography:**

a. **Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journals:**

1. Martinez H, Zoarski G, Obuchowsky A, Stallmayer B, **Papangelou A**, Airan-Javia S. "Mechanical thrombectomy of the internal carotid artery and middle cerebral arteries for acute stroke by using the retriever device." *American Journal of Neuroradiology*. 2004 Nov/Dec;25(10):1812-1815. PMID 15569753.
2. Mirski MA, Pandian V, Bhatti N, Haut E, Feller-Kopman D, Morad A, Haider A, Schiavi A, Efron D, Ulatowski J, Yarmus L, Stevens KA, Miller CA, **Papangelou A**, Vaswani R, Kalmar C, Gupta S, Intihar P, Mack S, Rushing AP, Chi A, Roberts VJ Jr. "Safety, efficiency, and cost-effectiveness of a multidisciplinary percutaneous tracheostomy program." *Crit Care Med*. 2012 Jun; 40(6):1827-1834. PMID 22610187.
3. Stevens RS, Huff JS, Duckworth J, **Papangelou A**, Weingart SD, Smith WS. "Emergency neurological life support: intracranial hypertension and herniation." *Neurocritical Care*. 2012 Sep;17 Suppl 1:60-65. PMID 22936079.
4. **Papangelou A**, Toung TJK, Gottschalk A, Mirski MA, Koehler RC. "Infarct Volume after Hyperacute Infusion of Hypertonic Saline in a Rat Model of Acute Embolic Stroke." *Neurocritical Care*. 2013 Feb;18(1):106-114. PMID: 22886394.
5. Wang LC, **Papangelou A**, Mirski MA, Toung TJK. "Comparison of equal volume, equiosmolar solutions of 25% Mannitol and 4.2% Hypertonic Saline with or without Furosemide on brain, lung, skeletal muscles and small bowel water content in normal Rats." *Anesthesiology*. 2013 Apr;118(4):903-913. PMID: 23442754, accompanied by editorial: Todd MM. "Hyperosmolar Therapy and the Brain: A Hundred Years of Hard-earned Lessons" 777-779.
6. **Papangelou A**, Kulikowicz E, Toung TJK. "LMA for Urine Collection in Anesthetized Rats." *Journal of Animal Physiology and Animal Nutrition*. 2017 Jun; 101(3):427-428. PMID: 28304111.
7. **Papangelou A**, Olszanski A, Stein C, Zhang Y, Bosch B, Nemeth P. "The effect of food on the absorption of abiraterone acetate from a fine particle dosage form: A randomized crossover trial in healthy volunteers." *Oncol Ther*. 2017 Dec; 5(2):161-170. doi.10.1007/s40487-017-0054-2.
8. **Papangelou A**, Zink E, Chang W, Frattalone A, Gergen D, Gottschalk A, Geocadin R. "Automated Pupillometry and the Detection of Clinical Transtentorial Brain Herniation: A Case Series." *Military Medicine*. 2018 Jan;183(1-2):e113-e121. doi: 10.1093/milmed/usx018.
9. Cook A, Jones G, Hawryluk G, Mailloux P, McLaughlin D, **Papangelou A**, Samuel S, Tokumaru S, Venkatasubramanian C, Zacko C, Zimmermann L, Hirsch K, Shutter L. "Guidelines for the Acute Treatment of Cerebral Edema in Neurocritical Care Patients." White paper, Neurocritical Care Society. *Neurocrit Care*. 2020 Jun; 32(3): 647-666. doi.org/10.1007/s12028-020-00959-7.

10. Sadan O, Singbartl K, Kraft J, Plancher J, Greven A, Kandiah P, Pimental C, Hall C, **Papangelou A**, Asbury W, Hanfelt J, Samuels O. "Low-chloride- versus high-chloride-containing hypertonic solution for the treatment of subarachnoid hemorrhage-related complications: The ACETatE (A low ChloRIE hyperTonic solution for brain Edema) randomized trial." *Journal of Intensive Care*. 2020 May, 4:8:32. doi.org/10.1186/s40560-020-00449-0
11. Nycz B, Chalhoub A, Patel G, Dean C, **Papangelou A**. "Hemispheric Asymmetry on the Electroencephalogram during General Anesthesia Responsive to Blood Pressure Manipulations." *Neurology International*. 2022 Dec, 14(4):1018-1023. doi.10.3390/neurolint14040081
12. McCullough I, Shteamer J, Erwood A, Spektor B, Boorman D, Sharifpour M, Olson J, **Papangelou A**. "Opioid-Free Anesthesia for Craniotomy, A Retrospective Cohort Study." *Journal of Neurosurgical Anesthesiology*. 2023 Jan, 35(1): 80-85. doi.org/10.1097/ANA.0000000000000797
13. **Papangelou A**, Boorman D, Sharifpour M, Patel H, Cassim T, Garcia P. "Associations of an eye-tracking task and pupillary metrics with age and ASA physical status score in a preoperative cohort." *Journal of Clinical Monitoring and Computing*. 2023 Jan, 28:1-9. doi.10.1007/s10877-023-00974-x.

b. Manuscripts In Preparation:

1. **Papangelou A**, Sharifpour M, Boorman D, Garcia P. "A Self-administered Preoperative Visual Paired Comparison Task is Associated with Postoperative Delirium in the Recovery Room." Accepted, *Journal of Neurosurgical Anesthesiology*

c. Editorial and Commentaries:

1. **Papangelou A**, Ziai W. "The Birth of Neuro-simulation." *Neurocritical Care*. 2010 Oct; 13(2):167-168. PMID: 20830584.

d. Review Articles:

1. **Papangelou A**, Lewin III JJ, Mirski MA, Stevens RD. "Pharmacological Treatment of Brain Edema." *Current Treatment Options Neurol*. 2009 Jan;11(1): 64-73. PMID: 19094838.
2. Schiavi A, **Papangelou A**, Mirski MA. "Preoperative Preparation of the Surgical Patient with Neurological Disease." *Medical Clinics of North America*. 2009 Sept; 93 (5): 1123-1130. PMID: 19665624.
3. Schiavi A, **Papangelou A**, Mirski MA. "Preoperative Preparation of the Surgical Patient with Neurological Disease." *Anesthesiol Clin*. 2009 Dec; 27(4):779-786. PMID: 19942180 (republished from *Medical Clinics of North America*).
4. **Papangelou A**, Radzik BR, Smith T, Gottschalk A. "A review of scalp block for cranial surgery." *J Clin Anes*. 2013 Mar;25(2):150-159. PMID: 23352875.
5. Morad A, Farrokh S, **Papangelou A**. "Pain Management in Neurocritical Care; An Update." *Curr Opin Crit Care*. 2018 Apr;24(2):72-79. PMID: 29517981.
6. Dean C, McCullough I, **Papangelou A**. "An Update on the Perioperative Management of Post-craniotomy Pain." *Curr Opin Anaesthesiol*. 2024 Oct 1;37(5):478-485.
7. Gruenbaum B, Merchant K, Levine A, Chadha R, Sullivan C, Tatum W, **Papangelou A**. "Reframing Electroencephalography for Liver Transplantation: A Perioperative Perspective." *Anesth Analg*. 2026 Feb 16. doi: 10.1213/ANE.00000000000007966. Epub ahead of print. PMID: 41698233..

e. Book Chapters:

1. Seebach J, Gidusko K, Cox L, Bhavsar S, **Papangelou A**, Silver P. "Crisis Management and Resuscitation." Chapter edited by Thomsen R. *Johns Hopkins Anesthesia Handbook*. Heitmiller and Schwengel, eds. 2009 Elsevier, Philadelphia.

2. **Papangelou A**, Mirski MA. "What Are the Risk Factors for Perioperative Stroke?" Chapter 7 in Evidence-Based Practice of Anesthesiology, Second Edition. Fleisher, eds. 2009 Elsevier, Philadelphia
3. **Papangelou A**, Mirski MA. "Risk Assessment and Prevention of Perioperative Stroke." Intensive Care Medicine. Vincent ed. 2010 Springer
4. **Papangelou A**. "My Patient is an Airhead." Case 56 in Core Clinical Competencies in Anesthesiology: A Case-based Approach. Gallagher, Lewis, Schwengel eds. 2010 Cambridge University Press.
5. Chang, WT, **Papangelou A**, Mirski MA. "What Are the Risk Factors for Perioperative Stroke?" Chapter 6 in Evidence-Based Practice of Anesthesiology, Third Edition. Fleisher, eds. 2012 Elsevier, Philadelphia
6. Winchester C, **Papangelou A**. "Postoperative pain management after craniotomy." Textbook of Neuroanesthesia and Neurointensive Care, Prabhakar, Ali eds. 2019 Springer.
7. Dean C, McCullough I, Winchester C, **Papangelou A**. "Perioperative Pain Management after Craniotomy." Textbook of Neuroanesthesia and Neurocritical Care: Volume I - Neuroanesthesia, Prabhakar, Ali eds. 2026 Springer Nature (accepted).

f. **Manuals, Videos, Computer Programs, and Other Teaching Aids:**

1. Created laminated pocket reference cards: "Treatment of Intracranial Hypertension, and Herniation" and "Guide to Meningitis Management," Johns Hopkins Hospital Neurocritical Care Unit, 2008
2. Society for Neuroscience in Anesthesiology and Critical Care Clinical Audio and Video Corner, February 2018. Interviewed Dr. Shobana Rajan. "Dexmedetomidine for Post-Craniotomy Pain." <https://snacc.org/education-corner/clinical-audio-and-video-corner/>
3. Society for Neuroscience in Anesthesiology and Critical Care Clinical Audio and Video Corner, December 2018. Interviewed Dr. Paul Garcia. "EEG Trajectories During Anesthetic Emergence and Postoperative Delirium in the PACU." <https://snacc.org/education-corner/clinical-audio-and-video-corner/>
4. **Papangelou A**, Rajan S, Esfahani K, Dunn L, Buhl L, Whalin M, Easdown J, Moore L. Editors: Rajan S, Abcejo AS, Esfahani K, Hussain R. "Neuroanesthesia classroom," Basic rotation, 2020. Published (project lead) for the Society for Neuroscience in Anesthesiology and Critical Care Trainee Engagement Committee. <https://snacc.org/snacc-neuroanesthesia-classroom/>
5. Society for Neuroscience in Anesthesiology and Critical Care Clinical Audio and Video Corner, June 2020. Interviewed Dr. Jeffrey Pasternak. "Nitrous Oxide for Neurosurgery, Debunking the Myths."
6. Society for Neuroscience in Anesthesiology and Critical Care Fellows' and Residents' Audio Corner, March 2021. Interviewed by Dr. Letha Mathews for podcast entitled "Anesthetic Considerations for Craniotomy." http://www.snacc.org/wp-content/uploads/2021/03/Final_Mathews_and_Papangelou-music-added-3.mp3
7. Society for Neuroscience in Anesthesiology and Critical Care bibliography. Senior Co-contributor/curator, "Intracranial Pressure for the ICU," 2021-2023. <https://snacc.org/document-library/>
8. Society for Neuroscience in Anesthesiology and Critical Care bibliography. Senior Co-contributor/curator, "ICP for the OR," 2021-present. <https://snacc.org/document-library/>
9. Chowdhury T, Ayrian E, Theard M, Gollapudy S, Vandse R. Editors: **Papangelou A**, Esfahani K, Dunn LK, Abcejo AS, Easdown LJ, Hussain R. "Neuroanesthesia classroom," Advanced rotation, 2022. Published by the Society for Neuroscience in Anesthesiology and Critical Care Trainee Engagement Committee. <https://snacc.org/snacc-advanced-neuroanesthesia-classroom/>
10. Society for Neuroscience in Anesthesiology and Critical Care JNA (Journal of Neurosurgical Anesthesiology) Podcast, January 2023. Interviewed by Dr. Jacqueline Morano (co-

interviewee, Ian McCullough) for podcast “Opioid-Free Anesthesia for Craniotomy.”
<https://soundcloud.com/user-370631686/jna-podcast-january-2023-morano-mccullough-and-papangelou>

11. Society for Neuroscience in Anesthesiology and Critical Care Clinical Audio and Video Corner, April 2023. Interviewed Dr. Kan Ma. “Optimal Hemodynamic Parameters for Brain-injured Patients in the Clinical Setting: A Narrative Review of the Evidence.”
<https://snacc.org/education-corner/clinical-audio-and-video-corner/>

g. **Published Abstracts:**

1. Green JA, Mohamed K, Goyal N, Wolstenholm A, Taylor M, Buckley R, Jones S, Husseini A, **Papangelou A**, Kostov I, Koh GC, Duparc S. “Drug-Drug Interaction Study of Tafenoquine and The Acts Dihydroartemisinin-Piperaquine (DHA-PQP) and Artemether-Lumefantrine (AL).” American Journal of Tropical Medicine and Hygiene (American Society of Tropical Medicine and Hygiene annual meeting). 2015 Oct; 93(4):368-368. WOS:000412844103204.
2. **Papangelou A**, Olszanski A, Stein C, Zhang Y, Bosch B, Nemeth P. “Absorption of a novel formulation of abiraterone acetate (AA) fine particle (AAFP) under fed and fasted conditions.” Journal of Clinical Oncology (American Society of Clinical Oncology annual meeting). 2017 Feb; 35(6). DOI: 10.1200/JCO.2017.35.6_suppl.e606.
3. Melanson V, Curtis C, Kelly S, Olson J, **Papangelou A**. “Utilization of the Preoperative Superficial Cervical Plexus Block and Scalp Block on Intraoperative and Postoperative Pain for Retrosigmoid Craniotomies.” J Neurosurg Anesthesiol (Society for Neuroscience in Anesthesiology and Critical Care annual meeting). 2019 Oct; 31(4). DOI: 10.1097/ANA.0000000000000630.
4. Sadan O, Singbartl K, Kraft J, Plancher JM, Kandiah P, Pimental C, Hall C, **Papangelou A**, Asbury W, Hanfelt J, Samuels O. A Low Chloride Hypertonic Solution For Brain Edema (ACETATE) Trial.” Critical Care Medicine (49th Critical Care Congress of the Society-of-Critical-Care-Medicine) 2020 Jan; 48(11). ID: WOS:000530000201171.
5. Patel P, Sharifpour M, Boorman D, McCliment M, Edgerton H, Santee P, Egan K, Atkins R, Garcia P, **Papangelou A**. “A novel method for identifying cognitive vulnerability in the preoperative setting, feasibility and pilot results.” J Neurosurg Anesthesiol (Society for Neuroscience in Anesthesiology and Critical Care annual meeting). 2020 Oct; 32(4). DOI: 10.1097/ANA.0000000000000722.
6. Nycz B, Dean C, **Papangelou A**. “Critical Hemispheric Asymmetry Captured by Processed Electroencephalogram During General Anesthesia.” J Neurosurg Anesthesiol (Society for Neuroscience in Anesthesiology and Critical Care annual meeting). 2021 Oct; 33(4). DOI: 10.1097/ANA.0000000000000800

h. **Other Publications (peer-reviewed):**

1. **Papangelou A**, Ham M, Miyamoto MM. “Variation of Multilocus Minisatellite DNA Fingerprints in Avian Populations.” Zoological Studies. 1998;37(3):161-168.
2. Rajan S, **Papangelou A**. “Neuroanesthesiology classroom-A SNACC based resource for Neuroanesthesia rotation during residency.” SNACC newsletter, March 2021
3. Dean C, **Papangelou A**. “How I do it: Scalp Block.” ASRA newsletter, 2021
4. **Papangelou A**, Nelson P. EEG clinical snapshot submission, “EEG Signature: Propofol.” SNACC newsletter, May 2023. <https://snacc.org/newsletter/12385/?d1-text>
5. **Papangelou A**, Abramowicz AE. “The EEG Story: Current Perceptions in the World of Neuroanesthesiology.” ASA Monitor, May 2023.
<https://doi.org/10.1097/01.ASM.0000935332.13726.ce>
6. Dean C, Garcia P, **Papangelou A**. EEG clinical snapshot submission, “Nociceptive EEG Changes under General Anesthesia.” SNACC newsletter, August 2024.
<https://snacc.org/eeg-case-nociceptive-eeg-changes-under-general-anesthesia/>
7. Dean C, **Papangelou A**. EEG clinical snapshot submission, “EEG Signature(s):

Sevoflurane.” SNACC newsletter, November 2024.

8. Vandse R, **Papangelou A**. EEG clinical snapshot submission, “Comparing Traditional Frontal Electrode Placement with Infraorbital (Malar) Placement for “Depth of Anesthesia” Monitoring Using the Masimo SedLine Monitor.” SNACC newsletter, January 2025.
9. **Papangelou A**, Abramowicz AE. EEG clinical snapshot submission, “Mid-case Handoffs: Anesthetic Titration.” SNACC newsletter, August 2025.
10. Abramowicz AE, **Papangelou A**. “Reading Your Patient’s Mind during Anesthesia.” Sphere, the NYSSA quarterly bulletin, Volume 77, number 2. September 2025.

28. Contributions Not Otherwise Noted:

- a. Basic Life Support Provider, 2001-present
- b. Advanced Cardiac Life Support Provider, 2001-present
- c. Advanced Trauma Life Support Certified, 2008-2012
- d. Advanced Cardiac Life Support Instructor, 2009-2014
- e. Secret clearance with the US government, 2013-2023
- f. Invitation to “Careers in Anesthesiology” Panel, Emory University School of Medicine, Anesthesia Interest Group, Atlanta, GA, 2023