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ATTENTION!!

43rd Annual Meeting Attendees

Don’t forget to complete the meeting evaluation, claim your CME credits and print your certificate before the end of the year.

CLICK HERE for CME Information

Connect with SNACC via Social Media!
President’s Message

Is your heart in the brain? Do you practice or study anesthesia or critical care? If yes and yes …. you belong in SNACC!

W. Andrew Kofke, MD, MBA, FCCM, FNCS
SNACC President

My web message has been posted at www.snacc.org and outlines what SNACC does and the criteria for wanting to become a member.

SNACC is the only organization dedicated to Neuroscience in Anesthesiology and Critical Care. It’s the go-to society for collegial networking, debating, critiques, and updates in clinical practice, education, clinical neuroscience research, and, yes, basic neuroscience research relevant to neuroanesthesia, neurocritical care, and neuromonitoring.

Read my web message if you want to find out more about what SNACC does and use it to encourage a colleague – one who answers yes and yes – to join.

Below is a summary of what’s going on in SNACC presently.

• **New Officers and Board of Directors** - As of the October meeting, the new officers and BOD members started their 2015-16 terms. The Board of Directors is comprised of:
  - **President** - W. Andrew Kofke, MD, MBA, FCCM, FNCS
  - **Immediate Past President** - Deborah J. Culley, MD
  - **President-Elect** - George A. Mashour, MD, PhD
  - **VP for Education and Scientific Affairs** - Jeffrey J. Pasternak, MD
  - **Secretary/Treasurer** - Rafi Avitsian, MD
  - **Directors** - Drs. Deepak Sharma, Lauren C. Berkow, Ehab S. Farag, Laurel E. Moore, William M. Armstead, Chanannair Paisansathan, Dhanesh K. Gupta, and Michael L. James

  We have an excellent leadership team and I look forward to advances in the society and the specialty with their leadership.

• **Fellowships** - The United Council of Neurologic Subspecialties (www.ucns.org) has agreed to consider developing a program for accreditation of fellowships in neuroanesthesiology in the United States. The vote will be taken at the UCNS spring meeting in Vancouver. If this is approved, the next plausible steps, over several years, will be to determine if the level of interest is high enough to proceed to a certification process. We could possibly use it as a first year leading to neurocritical care certification, and use what we learn as the basis for international support of fellowship programs through SNACC.

• **William L. Young Fund** - The William L. Young Research Fund is continuing to grow, having achieved significant additional donations at the Annual Meeting. Presently, it sits at $74,525.00, with a goal of $200,000. The first William L. Young Scholar will be named at the 2016 Annual Meeting with a small starter grant. CLICK HERE to donate to the William L. Young Neuroscience Research Fund.

• **2016 SNACC Annual Meeting** (October 20-21, Chicago)
  - Dr. Pasternak has a tentative program developed. Thursday sessions will include a neuro-oriented airway workshop, basic science symposium, clinical science symposium, ENLS workshop, and a career development workshop. The Thursday evening dinner symposium is being developed by Dr. Avitsian and will deal with current developments in seizures and surgery for seizures. Friday topics will include presentations about novel applications for optical-based brain monitoring, neurotoxicity in the immature brain, novel developments in neuropharmacology, and clinical curveballs in neuroanesthesia. A morning and afternoon poster sessions are being planned. Contact Drs. Pasternak or Avitsian if you have any questions or suggestions at pasternak.jeffrey@mayo.edu and avitsir@ccf.org.

• **2017 SNACC Annual Meeting** (October 19-20, 2017, Boston)
  - Dr. Avitsian will oversee the 2017 Annual Meeting. This meeting may be in collaboration with the Society for Pediatric Anesthesia (SPA). Topics being discussed are the basic science of fluid therapy, neuromonitoring in spine surgery, a leadership forum, ultrasound workshop, possible ENLS, dinner
symposium with topic TBA, neurodegeneration, rehabilitation and neuro repair, a concurrent session for residents and fellows, neurotoxicity and regeneration, and a pro-con debate. A morning and afternoon poster session are being planned. If you have ideas for material to cover in this meeting now is the time to contact Dr. Avitsian at avitsir@ccf.org.

• **IARS 2016 Annual Meeting** (May 21-24, 2016, San Francisco) - SNACC will be providing a panel at the International Anesthesia Research Society (IARS) entitled “Advancing Perioperative Management of Traumatic Brain Injury.” Speakers will be Drs. William Lanier, Gary Fiskum, and Monica Vavilala.

• **ISNACC 2016 Annual Meeting** (February 5-7, Bengaluru) - SNACC will be providing a panel at the Indian Society of Neuroanesthesiology and Critical Care (ISNACC) Annual Meeting, titled “Recent Advances in Neurocritical Care.” Speakers will be Drs. Ines Koerner, Abhijit Lele and Jeremy Doryit.

• **World Congress of Anesthesiology** (WCA) (August 28-September 2, 2016, Hong Kong) - SNACC will be providing two panels dealing with stroke at the WCA. The first panel is on “Anesthesia for Endovascular Management of Stroke in IR” moderated by Dr. Matthew Chan. The second panel is on “Perioperative Stroke” moderated by Dr. Deepak Sharma. In addition, SNACC member and Past President, Dr. Martin Smith will be organizing and moderating a neurocritical care panel.

• **NASBGI** (May 18-19, 2017, London) - SNACC is working on a proposal for a collaborative meeting with the Neuroanesthesia Society of Great Britain and Ireland (NASBGI).

• **American Society of Anesthesiologists (ASA) Meeting** (October 22-26, 2016, Chicago) - SNACC will be providing a panel at the 2016 ASA meeting on POCD. The moderator will be Dr. Stacie Deiner.

• **Web page educational materials** - When visiting the SNACC web page, one finds numerous work products of the SNACC education committee. These include Article of the Month, Interactive Clinical Case Discussions, Neuroanesthesia Quiz, the SNACC Periscope, the Google Map of Fellowships and links to various resources.

• **Clinical Guidelines** - Presently SNACC has published clinical guidelines on endovascular treatment of ischemic stroke and perioperative stroke. A lot has happened in IR since the endovascular management guidelines were initially published so we may need to update. Let me know if you want to participate in this. Also on the drawing board is a guideline for management of ventricular and lumbar drains.

• **Anesthesiology Clinics** - A SNACC affiliated issue will be out in September 2016. The title will be “Advances in Neuroanesthesiology”. Editors include (along with me) Drs. William Armstead, Dhanesh Gupta, Martin Smith, and Michael “Luke” James.

• **Social Media** - SNACC now has sites on Facebook and Twitter. You can now friend or follow us. Details will be available from Drs. Laurel Moore and Kate Rosenblatt soon.

• **Directory of Research Interests** – The directory of research interests has been started by Dr. William Armstead, Chair of the Research Committee. For more information please visit www2.snacc.org/members/research_interest.iphtml (member login required).

• **JNA** - Editors Drs. Cottrell and Hartung, after founding the journal and decades of service, have decided to retire. The publisher, with input from SNACC, will be looking for new editorial leadership.

• **SNACC App** - The free SNACC app is out and available from the Apple App Store, Blackberry World and Google Play.

SNACC is a relatively small society, presently with 569 members. Many SNACC members are very busy with demanding clinical commitments. I am in awe of the varied activities of this society and welcome anyone who want to contribute. Please feel free to contact me with any questions or concerns at kofkea@uphs.upenn.edu.

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**Editor’s Corner**

**Reza Gorji, MD**

**Editor**

Welcome to final edition of the SNACC newsletter for 2015 following our recent Annual Meeting in San Diego, California. The meeting was both educational and informative. Participants came from many parts of the United States and other countries. This edition of the newsletter is rather short due to its proximity to the Annual Meeting. For those who missed the meeting, read Dr. Fenghua Li’s summary of the events in this newsletter.

I would like to wish all of you a very happy holiday season and a great 2016.
Fenghua Li, MD  
Associate Editor

It was my eighth year attending the SNACC Annual Meeting, held on October 22-23 in beautiful San Diego, California. The meeting was full of learning opportunities, new ideas, friendship and fun. As in past years, I had a wonderful time.

The dinner symposium on Thursday night was my favorite. It was both educational and enjoyable, while having dinner with old and new friends. The lectures were fundamental and up-to-date. Dr. Peter D. LeRoux, a neurosurgeon, presented “Brain Tissue Oxygen Monitoring.” Dr. Claudia Robertson’s talk was “Bringing Cerebral Microdialysis to the Bench and Bedside.” The dinner session ended with the lecture by Dr. Andrew Kofke, the newly elected President of SNACC, titled “Brain Monitoring with Near Infrared Technology”.

The Annual Maurice Albin Keynote Lecture, “Consciousness and Anesthesia” started immediately after Dr. Culley’s welcome address on Friday morning. Dr. Michael T. Alkire, a renowned neuroscientist, detailed neurophysiology of consciousness and neurobiology of anesthetic action. He further discussed why anesthesia causes unconsciousness and future consciousness monitoring with EEG analysis. The lecture was fabulous and very well received by the audience.

The three mini symposiums on Friday were also excellent. World renowned experts discussed current important topics in neuroanesthesia. These included: 1) neurological complications such as preoperative stroke, postoperative vision loss and delirium, 2) clinical approaches to the unresponsive patient, neuroimaging in the unconscious patient, EEG and unconsciousness and 3) perioperative home and neurosurgical patients. The pro and con debate of perioperative surgical home concepts led by Dr. Gregory Crosby from Harvard and Dr. Zeev Kain from UC Irvine was most exciting and triggered very positive discussions among attendees. The concern for the future of our anesthesiology specialty in these challenging times resonated aloud in the meeting hall.
Poster Sessions are always an interesting and stimulating part of the SNACC Annual Meeting. The cutting-edge research not only provides us with new knowledge in neuroscience but also promotes thinking and curiosity. More than 100 researchers presented their research results at the 43rd Annual Meeting through eight digital poster stations. The research areas covered all spectrums of perioperative neuroscience. It was also encouraging to see so many young investigators whose research makes advances in neuroanesthesia.

Committee meetings were held in the early morning prior to opening session on Friday. I participated in the communication committee meeting presided by Dr. Lauren Moore from University of Michigan. The discussion was lively. The use of Twitter for the SNACC meeting highlighted the agenda. Thanks to Dr. Rosenblatt from Johns Hopkins, Twitter use attracted huge attention from the board and participants and was tremendously successful. Take a look at https://twitter.com/SNACC2016.

The Annual Meeting concluded with the wine and cheese reception followed by special interest group (SIG) meetings. I attended the spine surgery group led by Dr. Dhanesh Gupta who outlined research focus areas. The discussion was very active and constructive.

Dr. W. Andrew Kofke assumed the position of SNACC President following Dr. Deborah Culley. Another highlight of the Annual Meeting was the launch of fundraising for the William L. Young Neuroscience Research Fund. All members are encouraged to support SNACC’s effort for research.

I have asked myself why I go to the SNACC Annual Meeting every year. Is it because of the people at the meeting? Or is it due to the need for a knowledge update? I think it is both... my dedication to my beloved specialty of neuroanesthesia and my passion for the society. I am proud to be a SNACC member and am looking forward to seeing you all at the 44th Annual Meeting next year in Chicago, Illinois.
Presented below and going forward, the newsletter will be offering educational material related to neuroscience, neuroanesthesia and critical care. We hope this proves educational to SNACC members. If you want to contribute materials to this section please email rgorji@gmail.com. Please make the subject line read: Neuromonitoring Case.

Presenter: Reza Gorji, MD and Lu’ay Nubani, MD

**Question:** A 19-year old was undergoing a craniotomy for a non-enhancing left frontal lobe mass. Anesthesia was maintained by propofol and fentanyl infusions. EEG was monitored during the case as seen in Figure 1. No muscle relaxants were being used.

Three hours into the surgery, the patient started to move suddenly; EEG showed the following tracings in Figure 2. The surgeon claims that the patient is moving and needs to be anesthetized! What is going on?

![Figure 1: Baseline](image1.png)

![Figure 2: EEG during patient movement](image2.png)

*Answer is on page 10.*
The American Society of Anesthesiologists’ Committee on Neuroanesthesia

Members: Term Expires:
W. Andrew Kofke, MD, MBA - Chair 10/26/2016
Gregory Crosby, MD - Member 10/25/2017
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Shaheen F. Shaikh, MD - Adjunct 10/26/2016
Deepak Sharma, DM, BS, MB - Adjunct 10/25/2017
Jie Zhou MD, MBA, MS - Adjunct 10/25/2017

The American Society of Anesthesiologists’ Educational Track Subcommittee on Neuroanesthesia

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Antoun Koht, MD - Member 10/25/2017
Deepak Sharma, DM, BS, MB - Member 10/25/2017
Tod Sloan, MD, PhD, MBA - Member 10/26/2016
Rafi Avitsian, MD - Adjunct 10/26/2016
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Maria A. Bustillo, MD - Adjunct 10/26/2016
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Jeffrey R. Kirsch, MD - Adjunct 10/25/2017
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Barbara Rogers, MD - Adjunct 10/25/2017
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September D. Hesse, PhD ............................. Atlanta, GA

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Members in the News

Dr. Mashour Appointed as Associate Dean and Director

George A. Mashour, MD, PhD, has been appointed Associate Dean for Clinical and Translational Research at the University of Michigan Medical School and Director of the NIH-funded Michigan Institute for Clinical & Health Research (MI-CHR). In his capacity as Associate Dean, Dr. Mashour guides the translational research efforts of the medical school in close collaboration with other research leaders. As Director of MICHR, he oversees a unit that enables and enhances clinical and translational research by educating, funding, connecting, and supporting research teams across the University of Michigan and beyond. MICHR is part of the national Clinical and Translational Science Awards (CTSA) consortium, which is comprised of approximately 60 institutes across the country. According to sources at the NIH, Dr. Mashour is the first anesthesiologist to direct a CTSA institute. Dr. Mashour will continue in his roles as the Bert N. La Du Professor & Associate Chair for Anesthesiology Research, faculty in the Neuroscience Graduate Program and Director of the NIH-funded Center for Consciousness Science at the University of Michigan Medical School.

2015 SNACC Distinguished Service Award Winner

The SNACC Distinguished Service Award was presented to John C. Drummond, MD in recognition of his outstanding achievements as Clinician, Scientist and Teacher and for his service to the Society for Neuroscience in Anesthesiology and Critical Care. The award was presented at the SNACC 43rd Annual Meeting on October 23, 2015 in San Diego, California.

Save Money for Your Practice with Group Membership Billing

The Society will now send one comprehensive renewal notice to include all SNACC members in your practice or institution as one “group”. Every member of your group will also receive 10% off of their membership dues.

We currently have four institutions participating in the group billing, representing 24 members! Those institutions are Anesthesia Consultants of Indianapolis, LLC; Montefiore Medical Center, Department of Anesthesiology; University of Washington, Department of Anesthesiology and Vanderbilt Anesthesiology.

Contact Greg Leasure, Membership Manager (greg@societyhq.com) TODAY to sign up!

SNACC Newsletter Schedule

- **Spring Issue**
  - March 15, 2016 - Copy Deadline
  - Published April 15, 2016

- **Summer Issue**
  - May 15, 2016 - Copy Deadline
  - Published June 15, 2016

- **Fall and Pre-Meeting Issue**
  - August 15, 2016 - Copy Deadline
  - Published September 15, 2016

- **Winter Issue**
  - November 15, 2016 - Copy Deadline
  - Published December 15, 2016
**Answer:** The patient is moving, but this is not due to “light” anesthesia. It is due to tonic clonic seizures. A bolus of propofol plus a few milliliters of cold saline applied to the cortex resulted in the following tracing. Patient movement stopped abruptly.
This newsletter is published four times a year in conjunction with the Society for Neuroscience in Anesthesiology and Critical Care (SNACC), 2209 Dickens Road, Richmond, VA 23230-2005; (804) 565-6360 or fax (804) 282-0090.

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SNACC NEWS

SOCIETY FOR NEUROSCIENCE IN ANESTHESIOLOGY AND CRITICAL CARE

44th Annual Meeting
October 20-21, 2016
Chicago, Illinois

MARK YOUR CALENDARS!

SNACC
44th Annual Meeting
October 20-21, 2016
Chicago, IL

SNACC
45th Annual Meeting
October 19-20, 2017
Boston, MA

2015-2016
Society for Neuroscience in Anesthesiology and Critical Care

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