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Welcome to the 2013 Annual Meeting edition of the SNACC Newsletter. The Program Planning Committee of this year’s Annual Meeting, led by Deborah Culley, MD, has produced an outstanding program that begins on Thursday afternoon with a mentoring workshop primarily aimed at residents, fellows and junior faculty, although any SNACC member may attend by pre-registering. There will also be beginner and advanced Transcranial Doppler Workshops and, for the first time, a Research Symposium - CNS Inflammation: Friend or Foe. The Thursday evening Dinner Symposium on the topic of Blood Products and Fluids in Neurosurgery is generously sponsored by Masimo. The Friday program features the keynote lecture being delivered by Robert T. Knight, MD and entitled, Lessons from Direct Cortical Recording – Can We Hear What You Think?, mini-symposia on Psychoneuroanesthesia and Myths and Fads in Anesthesia and a pro-con debate on Large Database Research – Friend or Foe? There will also be the usual Poster Sessions where clinical and basic science researchers from around the world will present and discuss their latest work. A series of Special Interest Groups will also meet during the meeting. The Annual Meeting provides a forum in which attendees can update their knowledge in areas that are vital to the delivery of excellent patient care, as well as have the opportunity for scientific discussion with peers and a chance to catch up with colleagues and friends and to meet new ones. Detailed information about all aspects of the 2013 Annual Meeting is available on the SNACC website at www.snacc.org.

Many readers will already be aware of Bill Young’s untimely death on August 1, 2013 after a short illness. A tribute to Bill is available on the SNACC website at www.snacc.org. Bill was a dear friend to many of us over the years and a fantastic mentor to several SNACC members. His death is a great loss to the clinical and research neuroanesthesia community in general, and to SNACC specifically. I am sure that you will wish to join me at this time in sending our kindest regards to Bill’s wife Chantal and to his other family members and close colleagues. There will be a celebration of Bill’s life and of his many contributions to our specialty and to SNACC at the end of the Annual Meeting program. I urge you to attend this event which will fittingly be held in Bill’s home town of San Francisco. The Society also intends to mark Bill’s memory in perpetuity by establishing the William L. Young Research Award which will be launched at the Annual Meeting.

Other business has continued through the summer and I am pleased to report progress on selected initiatives. The SNACC Consensus Guidelines on the Anesthetic Management of Endovascular Treatment of Acute Ischemic Stroke is in the final stages of preparation and will be published by the end of 2013. The consultation on the revised Bylaws has now closed, and the new Bylaws will be put to the Board of Directors for approval in October. The major changes include the incorporation of six statutory committees (Education, Scientific Affairs, Communication, Membership, Research, and Nomination), and an increase in the number of Directors from five to eight to include the committee chairs and three Directors-at-Large. Probably the change that members will most notice, and hopefully appreciate, is the move to electronic voting. Thus, it is anticipated that from 2014, the new Officers and Directors will be elected by electronic ballot ahead of the Annual Meeting, allowing those elected to better plan for their new responsibilities and to improve continuity.

At the meeting in October, I will be handing over the gavel to my successor, Kristin Engelhard, MD. I cannot believe that a year has passed so quickly and am grateful to colleagues on the Board of Directors, to the staff of Ruggles Service Corporation, particularly Sandra Peterson and Stewart Hinckley, and to you all for the support that you have given me during the year. It has been a privilege to serve SNACC as its President. I wish Kristin well for the coming year, and know that SNACC is in safe hands under her leadership.

I look forward to seeing you in San Francisco.
41st Annual Meeting
Abstracts

Jeffrey J. Pasternak, MD
Chair, SNACC Scientific Affairs Committee

During the six weeks that the abstract submission site was open, SNACC received a large number of excellent submissions. The SNACC Scientific Affairs Committee scored the abstracts and selected 120 for presentation at the SNACC Annual Meeting. Eighty-five abstracts are clinically-related and the remaining 35 are focused on basic neurosciences. Overall, the majority of accepted abstracts were submitted by researchers from the United States, however, countries from all over the globe will be represented including Germany, United Kingdom, Portugal, Sweden, Denmark, Canada, Japan, China, Israel, Singapore, and Tunisia. Additionally, eight accepted abstracts were the result of international collaborations among researchers. The primary presenter of 42 abstracts will be either a fellow, resident, or medical student indicating involvement of younger generations in the exciting field of neuroanesthesia and neuroscience. This is leading up to a very exciting component of the SNACC Annual Meeting. See you in San Francisco in October!

The following represents a breakdown of the role of the primary presenter:

- Staff: 78
- Fellow: 18
- Resident: 21
- Medical Student: 3

The following represents a breakdown of countries of origin:

- United States: 65
- Japan: 5
- China: 3
- Canada: 7
- India: 8
- Germany: 7
- United Kingdom: 7
- Israel: 5
- Sweden: 1
- Portugal: 1
- Singapore: 1

Denmark: 1
Tunisia: 1
Combined USA and Israel: 1
Combined USA and India: 1
Combined USA and Japan: 1
Combined USA and Canada: 1
Combined USA and Italy: 1
Combined Germany/Austria: 1
Combined Germany and UK: 1
Combined Canada and India: 1

Editor’s Corner

Reza Gorji, MD
Editor

The Annual Meeting is just around the corner. This issue of the newsletter will focus on the Annual Meeting. It promises to be a great gathering of experts in neuroscience and critical care from around the world. There will be many new innovations at the meeting. For example, the presentations will be on electronic monitors rather than poster boards; no more carrying poster tubes on aircraft. The meeting is going to be very educational. There are multiple workshops on a variety of topics relevant to the practicing clinician. The lecture topics are very interesting as well and will challenge even the smartest among us.

As always your contributions to the newsletter are welcome. I look forward to seeing all of you in San Francisco.

TO VIEW THE FULL ABSTRACT LIST
Mentoring Session • Thursday, October 10, 2013
Lunch: 12:00 n - 1:00 pm      Session: 1:00 pm - 5:00 pm

Getting Started and Maintaining a Successful Academic Career

Moderator: Jeffrey J. Pasternak, MS, MD
Associate Professor of Anesthesiology, Mayo Clinic College of Medicine

Lecture 1: Experience with a Formal Mentoring Program
Michael M. Todd, MD
Professor of Anesthesiology, Chair and DEO, Department of Anesthesiology
University of Iowa Carver College of Medicine

Lecture 2: Getting Started and Staying Alive in Research
Gregory J. Crosby, MD, SM
Associate Professor of Anesthesiology
Harvard Medical School
Department of Anesthesiology, Perioperative & Pain Medicine
Brigham & Women's Hospital

Lecture 3: Academic Appointments and Promotions: Philosophy and Application
William L. Lanier, MD
Professor of Anesthesiology
Editor-In-Chief, Mayo Clinic Proceedings
Mayo Clinic College of Medicine

Lecture 4: Work-life Balance and the Enjoyment of Academic Medicine
Kathryn K. Lauer, MD
Professor of Anesthesiology
Vice-Chair of Clinical Affairs
Department of Anesthesiology
Medical College of Wisconsin

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4.0 AMA PRA Category 1 Credit(s)™
Thursday - October 10, 2013

SNACC Research Symposium

CNS Inflammation: Friend or Foe?

Moderator: William M. Armstead, PhD

2:00 pm - 2:30 pm  Physiology and Pathophysiology of Brain Inflammation
Edward R. Sherwood, MD, PhD

2:30 pm - 3:00 pm  Role of Inflammation in POCD and Alzheimer’s Disease
Roderic G. Eckenhoff, MD

3:00 pm - 3:30 pm  Role of Inflammation in the Development of Chronic Pain Syndromes
Temugin Berta, PhD

3:30 pm - 4:00 pm  Role of Inflammation in Stroke
Midori Yenari, MD

4:00 pm - 5:00 pm  What’s New in Neuroinflammation from Our Research Group?

TO REGISTER

Society for Neuroscience in Anesthesiology and Critical Care
2209 Dickens Road • Richmond, VA 23230-2005 • (804) 565-6360 • Fax (804) 282-0090
www.snacc.org
Nominations for the SNACC Board of Directors

The following members have an interest in becoming part of SNACC’s board of director for the Society of Neurosciences in Anesthesiology and Critical Care (SNACC). Each candidate brings forth strong leadership and diverse abilities. Please read their personal statements and consider the candidates as a vote will be taken during our annual meeting in San Francisco, CA.

Secretary/Treasurer

Rafi Avitsian, MD

Thank you for considering me as a candidate for the Secretary-Treasurer position on the SNACC Executive Committee. I have been a member of the Board of Directors since 2008 and have been re-elected by the membership to serve as a Director at Large in 2011. There have been many important and fundamental changes in the Society within the last five years and I feel privileged that the membership has trusted me to represent them as a Director during this time period. A change in the Society name, new strategic planning, change of management company from ASA to Ruggles, and revision of the bylaws are some of the critical responsibilities that the Board of Directors completed successfully during the time period that I have served as a Board member. I believe this has given me an enormous amount of experience.

I have also chaired the Education Committee for the last five years. We have emphasized the acceptance of active members to this committee and, as a result, the committee has renewed the educational resources and added a new supply of learning material. The current “Chat with the Author” project has gained interest between our members. The totally renewed Bibliography now makes it much easier to access state-of-the-art reference articles in our subspecialties. Currently, the committee is working on adding CME material to the newsletter and the website. I have also been a key member in the committee called to describe a unified curriculum for our subspecialty program.

During my term as a member of the SNACC Board of Directors, I have demonstrated the importance of membership participation, connection and contribution within the society. As Chair of the Education Committee, I have attempted to improve the education component of our society by involving our new generation of academic neuroanesthesiologists and neurointensivists as well as basic science researchers, who are the most important asset of the society.

It is wrong to take credit for all of the achievements mentioned above as an individual since this has been a team work, however, I am proud to be a part of the team that has accomplished all these improvements. I am confident that the experience I have gained through these years will help me in further improving the performance of our Society towards its goals. I ask members of SNACC to elect me for this post and give me the chance to prove my dedication at a new level to our Society and our subspecialty.

Secretary/Treasurer

George A. Mashour, MD, PhD

Thank you for considering me for the position of Secretary-Treasurer of SNACC for the 2013 election. I am a practicing neuroanesthesiologist and neurointensivist who also directs an NIH-funded neuroscience laboratory and conducts clinical research on neurologic outcomes of surgery. At my institution, I have served as a neuroanesthesiology fellowship program director, neuroanesthesiology division director, and am currently an associate chair. On the national level, I have served actively on American Society of Anesthesiologists committees of relevance to SNACC, including the Experimental Neurosciences Subcommittee, Committee on Neuroanesthesia, and the Educational Subtrack for Neuroanesthesiology. As such, I have a breadth of experience in the clinical and basic neurosciences as they relate to patient care, research, education, and administration. I believe this experience is important for future leadership in SNACC, as the exciting developments in the neurosciences extend beyond the traditional clinical practice of neuroanesthesia and apply to the field of anesthesiology as a whole.

I have been an active member of SNACC since 2007. My involvement in the organization has included roles as the former chair of the Fellowship Task Force (and current member), a member of the Education Committee, and a member of the Board of Directors. My work on the Fellowship Task Force led to an article relating to the accreditation and standardization of neuroanesthesiology fellowships; I was recently the lead author on curricular guidelines for neuroanesthesiology fellowships.
(published in the *Journal of Neurosurgical Anesthesiology* in January 2013). I am also currently the chair of the Task Force on Perioperative Stroke. As such, I have made contributions to initiatives of SNACC and am directly familiar with the work of the Board and Executive Committee.

As an active neuroanesthesiologist and neuroscientist, I believe I can appropriately represent and advance the mission of SNACC. I have very strong organizational skills and have a reputation for being available and efficient. Finally, I have a vision for the role that SNACC could play in the field of anesthesiology and beyond. I believe that SNACC should be at the heart of anesthesiology, because anesthesiology is a fundamentally neuroscientific field. I have started to advance this vision in my role as the lead editor of the textbooks, *Neuroscientific Foundations of Anesthesiology* and *Neurologic Outcomes of Surgery and Anesthesia*, both published by Oxford University Press (in 2011 and 2013, respectively).

I thank you for your consideration and hope I may further serve the mission of SNACC in this new capacity.

**Director at Large**

**Lauren Berkow, MD**

My name is Lauren Berkow and I am an Associate Professor of Neuroanesthesia at Johns Hopkins School of Medicine. I serve as the Associate Chief of the Division of Neuroanesthesia. I served as the Assistant Residency Director for the Johns Hopkins Anesthesia Residency from 2009 to 2013. I am also the Director of Supplies and Equipment for the Department of Anesthesia.

I have been an active member of SNACC for ten years, been a poster moderator at the SNACC Annual Meeting for several years, and recently served on the SNACC Neuroanesthesia Fellowship Guidelines Committee. I have also assisted in the creation of the **SNACC Bibliography** and have been a member of the ASA Neurotrack Planning Committee since 2007.

I am an internationally recognized expert in airway management and have lectured and taught airway workshops around the world. As a SNACC Director at Large, I look forward to expanding my role at the Annual Meeting as well as the creation of new SNACC initiatives.

**Director at Large**

**Ehab Farag, MD**

I am a neuroanesthesiologist and an Associate Professor of anesthesiology at the Cleveland Clinic. I am also the Assistant Residency Program Director for Resident Research and Academic Affairs. Nationally, I have been a member in the ASA Committee for Neurosciences Abstract Grading since 2004. In addition, I have been appointed the Vice-Chairman of the 2014 Clinical Neurosciences Abstract Grading Committee. I was also a member of the ASA Committee for Neuroanesthesia for three years. I have authored and published many articles and book chapters on neuroanesthesia, and I was the principal investigator of the study that was sponsored by the APSF about the effect of crystalloid versus colloid and the use of brimonidine eye drops on intraocular pressure during spine surgery in prone position. I have conducted the first randomized study for the use of IV Lidocaine during complex spine surgery. In addition, I am the editor for two books: *Case studies in Neuroanesthesia* and *Neurointensive Care and Anesthesia for Spine Surgery*, which is the first text book solely dedicated for anesthesia for spine surgery in adults and pediatric patients. Furthermore, I am the guest executive-editor of the thematic issue *The Advances in Perioperative Anesthetic Management in Current Pharmaceutical Design Journal*. I have been a reviewer in neurosciences and neurointensive care in several major journals, such as Intensive Care Medicine, and I am also on the editorial board member in two journals.

I have been an active SNACC member since 2004; I currently serve on the Scientific Affair Committee. Working in this committee for two years, I have been involved in abstract grading. I believe SNACC has an instrumental role to play in perioperative neurosciences. Given the opportunity to serve in the Board of Directors, I will work to solidify its role in perioperative neurosciences. As a member in the Board of Directors, I work to translate the cutting edge evidenced-based advances in basic neurosciences into clinical applications in perioperative neurosciences.

Continued on page 8
Nominations for the SNACC Board of Directors
Continued from page 7

**Director at Large**

**Chanhung Z. Lee, MD**

I look forward to contributing to the Society of Neuroscience in Anesthesiology and Critical Care (SNACC). The Board Director at Large position seems ideal for me based on my years of strong experience in clinical care, teaching and research in neuroanesthesia.

My academic career at University of California, San Francisco (UCSF) started in 2002 as a clinical fellow in neuroanesthesia and an NIH T32 researcher fellowship trainee in cerebrovascular diseases. I will bring to SNACC 11 years of neuroanesthesia experience at an institution with a neurosurgical and neurointerventional operation of over 2,500 cases per year treating a wide variety of medically and anesthetically challenging neurological disorders, including various brain functional mapping and complex neurovascular surgeries. Our distinct experience is reflected in clinical reviews of various cerebrovascular diseases that I have co-authored, and in my lectures on “Awake Craniotomy for Functional Mapping” that have received superb remarks at local and international forums.

I have always considered teaching at an academic institution as one of the greatest joys. Serving as the interim Chief for the Division of Neuroanesthesia in the Department of Anesthesia at UCSF has allowed me to gain leadership skills and play a broader role in enhancing the educational experience of the residents’ neurosurgical rotation and the fellowship training by developing interactive learning programs in neuroanesthesia.

My primary research has been in cerebrovascular diseases, as a member of the Center for Cerebrovascular Research (CCR) directed by Dr. William L. Young. CCR is a multidisciplinary group studying various aspects of cerebrovascular disease. Initially establishing my research in laboratory studies, I have more recently extended my research into perioperative translational and clinical projects dealing with cerebrovascular disorders in collaboration with neurosurgeons and neurointerventionalists. I had the honor of being the recipient of the Foundation of Anesthesia Education and Research (FAER) Research Training Grant and a Scientist Development Grant from the American Heart Association.

Being a member of SNACC for ten years has made me appreciate the opportunity to interact with and learn from many esteemed neuroanesthesia experts and has allowed me to thrive within our community. I have also greatly enjoyed moderating scientific poster presentations at SNACC annual meetings and contributing to the Educational Bibliography Project. I will take the Board Director at Large position as a challenge and opportunity to serve our medical specialty, and more importantly, contribute to the success of SNACC and its exemplary work in the field of neuroanesthesia and critical care.

**Director at Large**

**Lauren E. Moore, MD**

I have long appreciated my SNACC membership as a unique opportunity for practicing physicians to share their deep interest in neuroscience. I have practiced neuroanesthesia and neurointensive care for over 20 years and am currently the Director of Neuroanesthesia at the University of Michigan. I have a broad background in the clinical care of neurosurgical patients, have done basic science in the past and am currently working on clinical outcomes studies, specifically involving perioperative stroke. I am currently serving on the SNACC Task Force on Perioperative Stroke. In my role as clinician-educator, I have won multiple teaching awards over the years. As a member of the SNACC Education Committee, I have recently helped direct the SNACC Bibliography update and have enjoyed my many interactions with other SNACC members through this project. I would like to further increase my role in SNACC and feel that my application is enhanced by my specific interest in education and the recruitment of passionate trainees into the neurosciences. Thank you for your consideration.

**Director at Large**

**Lisa Wise-Faberowski**

Thank you for considering me for the Director at Large position for the Society of Neurosciences in Anesthesiology and Critical Care (SNACC). I have been a member of SNACC since 1996, at which time I completed a Neuroanesthesia Fellowship at the University of Florida under the mentorship of Drs. Susan Black and Roy Cucchiara. My career became one specific to pediatric neuroanesthesia and critical care under the mentorship of Drs. Sulpicio Soriano and...
Mark Rockoff at The Children’s Hospital in Boston.

Not only has my academic career been directed toward clinical neuroanesthesia and critical care but basic neuroscience as well. My basic neuroscience career began at the University of Florida and continued under the mentorship of Dr. David Warner at Duke University. I have been awarded two grants for basic neuroscience research, FAER and American Heart Association and awarded one clinical neuroscience research grant from the IARS. The work of these grants has resulted in publications in several journals and is ongoing through the IARS.

As a member of SNACC, I represent what SNACC stands for – neuroscience in anesthesiology and critical care – and am presently continuing these pursuits through a Masters in Clinical Research Program at Stanford University. Though my research focus has changed, I remain dedicated to the neurosciences. I review neuroscience articles for Anesthesiology, Anesthesia and Analgesia, Pediatric Anaesthesia, Brain Research and our own journal, Journal of Neurosurgical Anesthesiology. I have been a member of the Editorial Board for our journal for seven years and have reviewed 42 manuscripts during my tenure.

I have served on the Scientific Advisory Committee for three years under the leadership of Drs. Deborah Culley and Jeffrey Pasternak. This has been an invaluable opportunity which has further encouraged me to pursue more involvement in the Society. I am proud to be a member of the Society and even more proud to potentially serve those who have mentored me and have shaped my academic career.

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SNACC Newsletter Schedule

SNACC’s newsletter is open to submission by members of SNACC. Please adhere to the following schedule. Submissions do not guarantee publication. We are interested in news and articles of interest from the membership at large. In addition, if you have a question to ask any of the officers of SNACC, you can submit them as well. Due to time and the volume of issues anticipated, not all questions can be answered.

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Publication & Submission Deadlines

**Winter Issue**
PUBLISHED DECEMBER 15, 2013
November 15, 2013 - Copy Deadline

**Spring Issue**
PUBLISHED APRIL 15, 2014
March 15, 2014 - Copy Deadline

**Summer Issue**
PUBLISHED JUNE 15, 2014
May 15, 2014 - Copy Deadline

**Fall and Pre-Meeting Issue, Published September 15, 2014**
August 15, 2014 - Copy Deadline
An Interesting Idea for an Old Problem in Neuroanesthesia: An Intrajugular Balloon Catheter to Prevent Air Embolism in Neurosurgical Patients

Veit-Simon Eckle, MD; Christian Grasshoff, MD
Department of Anesthesiology & ICU
University of Tübingen, Germany

The beach chair position is used for patients requiring neurosurgical procedures of the cranial fossa posterior.1 However, in this posture the pressure of the cerebral venous system is negative due to the hydrostatic gradient.2 Thus, air may enter into the venous system by a venous leak and may bring the patient at risk for life-threatening air embolism.1,3 In order to prevent this, it has been shown that transiently applied manual jugular venous compression is crucial to limit air entry in this situation.4

Unfortunately, this manual jugular venous compression maneuver displays several limitations: A short neck of the patient may complicate the correct identification of the jugular vessels. Moreover, erroneous carotid artery compression may result in a decrease of cerebral blood perfusion.4 On the other hand, too gentle manual pressure is insufficient and not helpful.

Recently, we proposed an intrajugular balloon catheter system to replace the manual venous compression maneuver (Fig.1).5 To test this catheter system, a proof of principle study in a swine model got recent funding by the University of Tübingen (AKF 306-0-0).

Figure 1

References:
3. Hamby, W. & Terry, R. Air embolism in operations done in the sitting position; a report of five fatal cases and one of rescue by a simple maneuver. Surgery 31, 212–215 (1952).

Figure Legend:
The cuff (balloon) of the intrajugular balloon catheter (prototype) is inflatable for transiently blocking of the jugular venous blood flow. The catheter system has to be inserted bilaterally.

Disclaimer: The views expressed are those of the author(s) and not of SNACC or the newsletter editor. The content of this article has not been peer reviewed.
PLAN NOW!

SNACC
SOCIETY FOR NEUROSCIENCE
IN ANESTHESIOLOGY AND CRITICAL CARE

42nd Annual Meeting
October 9-10, 2014 • New Orleans, LA

Society for Neuroscience in Anesthesiology and Critical Care
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