SNACC
SOCIETY FOR NEUROSCIENCE
IN ANESTHESIOLOGY AND CRITICAL CARE

SNACC NEWS | Summer 2015

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President's Message

Deborah J. Culley, MD
SNACC President

As outlined in the Spring SNACC newsletter, SNACC was well represented at the Annual Meeting of the International Anesthesia Research Society (IARS) in March. The SNACC Best Abstract Presentation in Neuroscience Award was presented to Patrick L. Purdon, PhD for his abstract "An Age-Dependent Analysis of Electroencephalogram Dynamics During Propofol and Sevoflurane General Anesthesia." Please congratulate Dr. Purdon on his award when he joins us to present a summary of his results at the 43rd SNACC Annual Meeting this October.

The committees within SNACC have been actively working to meet the needs of the society. The Education Committee, chaired by Dr. Deepak Sharma, has created new educational content in the form of Articles of the Month, Interactive Case Discussions, Neuroanesthesia Quizzes and is actively updating the SNACC Bibliography with hopes that it will be released in time for our Annual Meeting. In the event that you have not seen these items, they can be located on the "Education & Research" tab of the SNACC website (www.snacc.org). Additionally, the Education Committee is developing a task force for the development of Neuroanesthesiology Milestones. In addition to selecting the recipient of the SNACC Best Abstract Presentation in Neuroscience Award at the IARS, the Scientific Affairs Committee, chaired by Dr. Chanannait Paisansathan, is actively reviewing the abstracts submitted for this year's Annual Meeting, has organized this years mentoring session on "Getting Ready For Tomorrow – Transition from Training to Practice" and has completed a SNACC member survey on "Anesthetic Practice and Complications of Major Prone Spine Surgery." The Communication Committee, chaired by Dr. Laurel Moore, has worked diligently to enhance our representation in social media. In addition, this committee has been asked to help promote the SNACC App. If you have not downloaded the free app yet, I would encourage you to do so soon. The app as is an easy way to access information about the Society. The Membership Committee, chaired by Dr. Lauren Berkow, has been working on developing international affiliations with ISNACC as our first international affiliate. The Membership Committee has also worked to ensure that several newsletter articles are translated into Spanish and has worked with the office staff to develop group dues discounts and automatic dues renewal for interested members. Dr. William Armstead recently took over as Chair of the Research Committee and is working to enhance translational research and mentorship within the Society. To most effectively achieve this goal the Research Committee is working with the Scientific Affairs Committee to develop a Mentoring Task Force.

Deborah J. Culley, MD
SNACC President

As most of you know, the Board of Directors of SNACC have been discussing an Application for Membership to the United Council for Neurologic Subspecialties for a number of years. I am happy to report that Dr. Andrew Kofke has submitted an application for our Neuroanesthesia Fellowships. Information about available neuroanesthesia fellowships programs can be found on the research and education tab on the SNACC website (www.SNACC.org).

This year's Annual Meeting will be held at the Manchester Grand Hyatt Hotel in San Diego, California on October 22-23, 2015 and I would like to encourage each of you to attend. Drs. George Mashour and Jeffrey Pasternak have developed a delightful program that begins around noon on Thursday October 22 and closes with our Annual Meeting on Friday October 23. The entire program is available on the SNACC website and we look forward to seeing you there.

Do you have membership questions?
Contact Greg Leasure, greg@societyhq.com

Editor's Corner

Reza Gorji, MD
Editor

Reza Gorji, MD

Welcome to the summer edition of the SNACC Newsletter. Remember that this newsletter belongs to all society members. In as such the editors, as well as SNACC, welcome input as well as contributions. The deadlines for contributions are March 15, May 15, August 15 and November 15 of each year. The newsletter then gets published a month later. Many hidden things happen to the contributions after they are submitted. It is time and labor intensive; thus in order to maintain the timely publication of the newsletter, the deadlines for contributions is a firm deadline (ok, there is a little bit of give in some cases).

On a last note: regarding errors in the last newsletter, my apologies to all and especially Dr. Lele for incorrectly not identifying him as the author in the ENLS iBook Review article as well as Dr. Han for a spelling error in his name.

A Message from the Education Committee

Deepak Sharma, MBBS, MD, DM
Education Committee Chair

Deepak Sharma MBBS, MD, DM

You must have noticed that your Education Committee has been working hard to bring new educational material to you through the website, the newsletter, as well as, the SNACC app that you can access on your smartphone. Our team is buzzing with lot of activity! Just in case you missed, we have now started a new segment called the "Periscope". In this segment, we will be conducting audio interviews of the leading experts in Neuroanesthesiology & Neurosciences. We know that the busy SNACC members are submerged in their clinical/academic responsibilities and we hope this segment will provide an opportunity to hear from the experts about the latest in the field. Two very enthusiastic members of the Education Committee, Drs. Jack Buckley and Amie Hoefnagel are leading this effort. In the first installment, we interviewed Gary M. Fiskum, PhD, about hyperoxia in neurological injury. You can listen to the Periscope from the SNACC website as well as from the SNACC mobile app. Do let us know what you think about the Periscope.

The task force for developing a tool for evaluating ACGME "milestones" for resident education in Neuroanesthesiology has started its work. The task force comprises six senior SNACC members with extensive experience in education and is being supported by an advisory committee. The evaluation tool will help standardize the resident evaluation process across different programs in accordance with the ACGME's new outcomes-based "milestones".

In the Article of the Month (http://www.snacc.org/education-research/article-of-the-month/), Dr. John Bebawy, is regularly presenting critical commentaries on recently published clinical, translational, as well as basic research articles of relevance to Neurosciences. These commentaries are contributed by well-known experts in the area of focus of the published article. Drs. Shobana Rajan and Shaheen Shaikh are bringing the Neuroanesthesia Quiz (http://www.snacc.org/education-research/neuroanthesia-quiz/) to you every month. The quiz is fun and interactive and we hope you like the format. Please feel free to encourage your residents /trainees to access the quiz from the SNACC website. Drs. Arne Budde and Laura Hemmer are our experts behind the Interactive Clinical Case Discussions (http://www.snacc.org/education-research/interactive-case-discussions/) which cover a variety of clinical scenarios including intraoperative neurophysiological monitoring. Last but not the least, the process for 3rd annual update of the SNACC Bibliography is now underway, being spearheaded by Dr. Rachel Kutteruf. If you are one of the contributors for the Bibliography, please make sure we receive your updated selections by July 15, 2015.

As always, we would love to hear from you with any suggestions, ideas or feedback you may have for the committee. Please feel free to email me at dsharma@uw.edu.

The SNACC Periscope, an audio interview:

CLICK HERE

SNACC Board of Directors Election

VOTING WILL OPEN ON JUNE 22, 2015

Secretary/Treasurer Candidate

Rafi Avitsian, MD

CLICK HERE for Candidate's CV

Thank you for considering me for the Secretary-Treasurer position on the SNACC Executive Committee. I am a fellowship trained neuroanesthesiologist practicing at the Cleveland Clinic. I am the section head of the neuroanesthesia in the neurosurgical center as well as the program director of the Neuroanesthesia Fellowship. Currently, I am also the vice chair for Professional Development in the department of general anesthesiology.

I have been a member of SNACC for more than 10 years and truly believe in its mission. I have served on the SNACC Board of Directors, chaired the education committee and participated on the fellowship task force. Currently, I am a member of the fellowship accreditation task force.

As Education Committee Chair, I have exerted 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. My experience on the Board of Directors as well as the task forces mentioned has given me the knowledge and ability to be the choice candidate for the position of secretary treasurer. The experience I have gained through these years will help me to further improve the performance of our society towards its goals. If elected, I will put all my effort in representing you on the executive committee.

Thank you again for considering me as a candidate. I ask for your vote that will provide me with the opportunity to serve SNACC even better.

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Secretary/Treasurer and Director-at-Large Candidate

Deepak Sharma, MBBS, MD, DM

CLICK HERE for Candidate's CV

Thank you for considering me for the Secretary-Treasurer and Director at Large of SNACC. I am Professor & Division Chief of Neuroanesthesiology & Perioperative Neurosciences at the University of Washington, Seattle. I am a clinician, educator, clinical researcher and administrator. I have had the pleasure of serving SNACC in various roles. In my current role as the Education Committee Chair and Director-at-Large, I am proud to have worked with an excellent team of committee members who made it possible to start various initiatives such as the Article of the Month, Neuroanesthesia Quiz and the Interactive Case Discussions which are now published regularly on the SNACC website. I am also the co-director of the SNACC Bibliography which is updated annually. I had the honor of serving on the Committee for Consensus Statement on Anesthetic Management of Acute Ischemic Stroke and the taskforce for Neuroanesthesiology Fellowship Curricular guidelines. Currently I chair the taskforce for developing Evaluation Tool for ACGME Milestones for Neuroanesthesiology and serve on the taskforce for UCNS Accreditation of Neuroanesthesiology Fellowship. I also serve on the editorial board of our official journal, the *Journal of Neurosurgical Anesthesiology*. I have actively participated in SNACC Annual Meetings in various capacities including director/instructor for TCD and neuromonitoring workshops, moderator for poster presentations and mentor for FAER scholars. My involvement in various SNACC initiatives and serving on the Board has provided me the ability to understand the future directions for our society. I currently serve on the American Society of Anesthesiologists committees of relevance to SNACC, including the Abstract Review Subcommittee and Educational Track Subcommittee for Neuroanesthesia. Working

in various roles locally, nationally and internationally, I have gained experience in clinical neuroanesthesiology, research, education, and administration, which is critical for leadership in SNACC, as our subspecialty advances from Neuroanesthesiology to Perioperative Neurosciences. I envision SNACC playing a critical role in advancement of Neurosciences with active contributions from all members – clinicians, educators and researchers and I sincerely believe that I have the ability and the motivation to effectively advance the mission of SNACC.

Please note: *Dr. Deepak Sharma is running for both the position of Secretary/Treasurer and Director-At-Large. However, he will only be eligible to fill one position.*

Director-at-Large Candidate

John Patrick F. Bebawy, MD

CLICK HERE for Candidate's CV

My name is John Bebawy. I am an Assistant Professor of Anesthesiology & Neurological Surgery at Northwestern University, and it would be my great honor to serve as a Director-At-Large for the SNACC Board of Directors. I completed my residency and Neuroanesthesiology fellowship training at Northwestern in 2008, and I am currently faculty there and Director of Neuroanesthesia Education. I owe so much of my professional and personal happiness to SNACC, which has been a "second home" to me since fellowship. I currently serve on the SNACC Education Committee, which I am extremely proud of, as our achievements in the past 7 years have been truly exceptional. Among my responsibilities on this committee, I have been the moderator for the "Article of the Month" initiative, have been a content editor and "renovator" of the very popular and continually updated online bibliography, and have actively participated in numerous other web-based educational activities. I was also honored to serve as a SNACC "ambassador" to India for the ISNACC meeting in 2015, serving as a lecturer and member of the SNACC panel. I also serve on the Editorial Board of the *Journal of Neurosurgical Anesthesiology*, SNACC's official journal. On a personal level, SNACC means so much to me; it is here that I feel we hone our professional identities, seek information on the latest advancements in our field, ask for guidance for our endeavors, and make lifelong friends who share our passion. Thank you for considering me for this prestigious position.

Director-at-Large Candidate

Lisa Wise-Faberowski, MD

CLICK HERE for Candidate's CV

Thank you for considering me for the Director-at-Large position for the Society for Neuroscience 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 later 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.

Though my research focus has changed, I remain dedicated to the neurosciences. My basic science research interest in anesthetic neurotoxicity has been redirected to a clinical investigation evaluating the effect of anesthetic technique on neurologic outcome in infants with congenital heart disease. I am currently pursuing a Masters in Health Research and Policy at Stanford University.

I review neuroscience articles for *Anesthesiology, Anesthesia and Analgesia*, *Pediatric Anaesthesia*, *Brain Research*, *British Medical Journal* and our own journal, *Journal of Neurosurgical Anesthesiology.* I have been a member of the editorial board for our journal for nine years and have reviewed 50 manuscripts during my tenure.

I have served on the Scientific Advisory Committee for five 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.

SNACC Contributions to the International Anesthesia Research Society Meeting

Chanannait Paisansathan, MD
Chair Scientific Affairs Committee

The 2015 Annual Meeting of the International Anesthesia Research Society (IARS) was held March 21-24, 2015 at the Hilton Hawaiian Village, Honolulu, Hawaii and like every year, SNACC registered a strong presence at the meeting.

SNACC has partnered with IARS sponsoring the Award for the Best Abstract in Neuroscience and Perioperative Medicine at IARS. The winner this year was Dr. Patrick Purdon, PhD, an Associate Bioengineer and Assistant Professor of Anesthesia from the Department of Anesthesia, Critical Care, and Pain Medicine at Massachusetts General Hospital, Harvard Medical School. Dr. Purdon's abstract was entitled "The Aging Brain: An Age-Dependent Analysis of Electroencephalogram Dynamics during Propofol and Sevoflurane General Anesthesia". His abstract was also selected as the finalist for the Best of Meeting in the Neuroscience in Anesthesiology and Perioperative Medicine category from over 750 abstract submissions to the IARS Annual Meeting. As a SNACC Award winner, Dr. Purdon will receive a $500 award, a complementary one-year membership to SNACC, and complementary registration to the upcoming SNACC meeting in October, 2015 in San Diego, California.

This year, SNACC organized and conducted a panel on Neuroscience in Anesthesiology and Critical Care during the IARS general sessions. The panel was conducted and moderated by Dr. Deepak Sharma from the University of Washington, Seattle and was focused on "Updates in Neuroanesthesiology." The panel consisted of three SNACC experts in Perioperative neuroscience. Specifically, Dr. Jeffrey Pasternak from Mayo Clinic, Rochester provided an update on "Anesthesia for Spine Surgery", Dr. George Mashour from University of Michigan, Ann Arbor discussed "Perioperative Stroke Following Non-cardiac and Non-neurological Surgery", and Dr. Ansgar Brambrink from the Oregon Health and Science University, Portland, OR addressed a novel issue related to "Ketamine and its Role as an Antidepressant." This session was followed by very stimulating discussion with active audience participation.

Ansgar Brambrink, MD, PhD

Patrick L. Purdon, PhD and Chanannait Paisansathan, MD

From left to right: Drs. Deepak Sharma, Ansgar Brambrink, George Mashour and Jeffrey Pasternak.

In addition, on behalf of SNACC, Dr. Deepak Sharma conducted a problem-based learning session. The session was entitled, "Thoracolumbar Fusion Complicated by Unexpected Ventilation Problems?" This session consisted of a diverse group of participants including physicians in both academic and private practice. The diversity among attendees helped to drive the discussion and provided a unique opportunity to neuroanesthesiologists and trainees from diverse backgrounds to learn from each other's experiences.

We look forward to future SNACC contributions. The 2016 IARS meeting will be held May 21-24, 2016 in San Francisco, California. We hope to see you there!

An Update on the ACGME's Milestone Task Force

Deepak Sharma, MBBS, MD, DM
Chair, Education Committee & Director-at-Large

As many of you know, in order to help standardize the resident evaluation process across different programs in accordance with the ACGME's new outcomes-based "milestones", the SNACC Board of Directors had invited SNACC members to volunteer to serve on a task force to develop a tool for evaluating ACGME "milestones" for Neuroanesthesiology. We are thankful to you all for the tremendous enthusiasm and the overwhelming response to this invitation. It is our pleasure to announce that the task force has now been finalized. The following SNACC members will be serving on this task force:

- Eugenia Ayrian, MD (University of Southern California, Los Angeles)
- L. Jane Easdown, MD, FRCPC, MHPE (Vanderbilt University, Nashville)
- Guy Edelman, MD (University of Illinois, Chicago)
- Michael E. Mahla, MD (Thomas Jefferson University, Philadelphia)
- Peggy Wheeler, MD (University of Illinois, Chicago)
- Arpad Zolyomi, MD (University of New Mexico, Albuquerque)

The board has also decided to appoint an advisory committee that will assist the task force by providing inputs, suggestions and recommendations. The following SNACC members will serve on the advisory committee to the task force:

- Jack Buckley, MD (University of California Los Angeles, Los Angeles)
- Catherine M. Christenson, MD (University of Vermont, Burlington)
- Robert A. Peterfreund, MD, PhD (Mass General Hospital, Harvard Medical School, Boston)
- Sergey V. Pisklakov, MD (Albert Einstein School of Medicine, New York)
- Barbara M. Rogers, MD (The Ohio State University, Columbus)
- David Schreibman, MD (University of Maryland, Baltimore)
- Naveen Vanga, MD (University of Texas, Houston)
- Matt Whalin, MD, PhD (Emory University, Atlanta)

Thanks again to everyone who volunteered to serve on this important task force.

SNACC
SOCIETY FOR NEUROSCIENCE IN ANESTHESIOLOGY AND CRITICAL CARE

43rd Annual Meeting

October 22-23, 2015

Manchester Grand Hyatt Hotel • San Diego, CA

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EDUCATION CORNER

Presented below and going forward, the newsletter will be presenting 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.

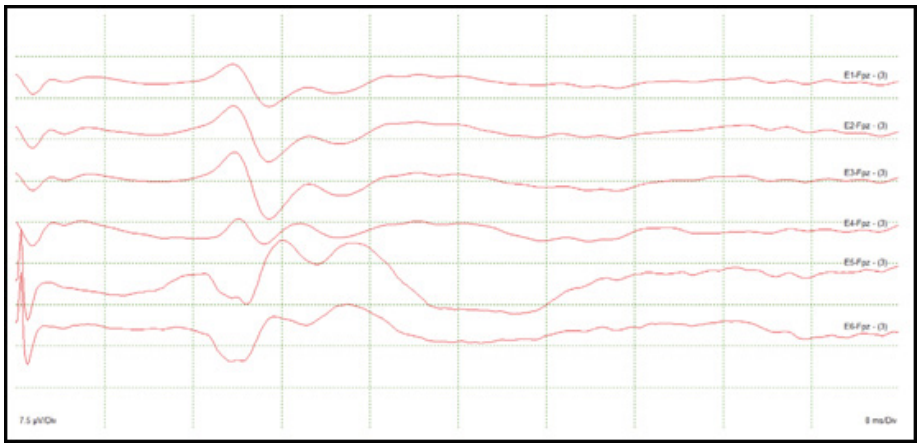
SSEP Waveform Identification

Presenters: Reza Gorji, MD; Fenghua Li, MD

A 45-year old male was having a craniotomy done. Neuromonitoring including SSEP and EEG were being utilized. What does this series of SSEPs show that is unique?

Hint: It's a 2-word answer.

Answer is on page 10.



Register Now for SNACC's 43rd Annual Meeting!

The 43rd SNACC Annual Meeting is coming up this fall in beautiful San Diego, California! Join peers, colleagues, educators, and exhibitors for this year's premier event for the Society of Neuroscience in Anesthesiology and Critical Care. For more information, to register for the meeting and to make hotel reservation, click on the links below.

Program Brochure

Registration Form **Online Registration**

Exhibitors

Hotel Reservations

Hotel reservations are made through the American Society of Anesthesiologists (ASA) website. This hotel reservations link takes you to the ASA website.

Check out the new and improved SNACC website!

Visit www.snacc.org

Attention SNACC Members!

Are you using Internet Explorer (IE) as your browser to view the SNACC website? The problem lies with the Compatibility View Settings in Internet Explorer.

Follow these few simple steps on your computer and it will adjust so you can view the website correctly.

Visit the SNACC website home page (www.snacc.org), then Tools (or the gear icon, top right) -> Compatibility View Settings, please remove snacc.org from the list.

Normally compatibility view fixes display problems, but in this case, it is telling your browser to display SNACC in IE Version 7, which does not support the CSS needed to make the site display correctly.

Please contact us at snacc@snacc.org if you need any further assistance.

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Welcome New Members

ACTIVE

Ben J. Palanca, MD, PhD, MSc .....St. Louis, MO
Atsushi Sawada, MD, PhD.....San Diego, CA
Galina Klimek, MD .....Indianapolis, IN
Douglas J. Fahlbusch, MBBS, FANZCA. Stepney, SA, Australia
Douglas Groswald, MD .....Indianapolis, IN

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Jamie L. Uejima, MD.....Chicago, IL
Ryan J. Vealey, MD .....Chicago, IL
Smita Bapat, MB, ChB ..... London,United Kingdom

SNACC RESIDENT

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STUDENTS

Kiran Jangra, MD .....Chandigarh, India
Jonathan M. Weimer, BS..... Cleveland Heights, OH
Jennifer L. Stedman, MD..... Brooklyn, NY

Group Billing is Available

The Society can 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!

EDUCATION CORNER ANSWER

Answer: *The SSEP shows the phenomena of phase reversal. Recordings from electrodes in close proximity over the pre and post central gyri produce phenomena called "phase reversal." This occurs between N20 and P20. The phase reversal indicated the site of the central sulcus. In case the SSEP does not show a clear phase reversal, the site where N20 and P20 have the highest amplitude marks the proximity to the central sulcus. In general SSEPs should be obtained from many areas of the cortex in order to map the central sulces, as these are not always linear in nature.*

Nominations Requested

Nominations are now being accepted for the Teacher of the Year - Education Innovator Award and the Distinguished Service Award.

Deadline is July 15, 2015.

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.

Publication & Submission Deadlines

Fall and Pre-Meeting Issue
Published September 15, 2015
August 15, 2015 - Copy Deadline

Winter Issue
Published December 15, 2015
November 15, 2015 - Copy Deadline

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

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

2015-2016
Society for Neuroscience in Anesthesiology and Critical Care

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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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43rd Annual Meeting

October 22-23, 2015

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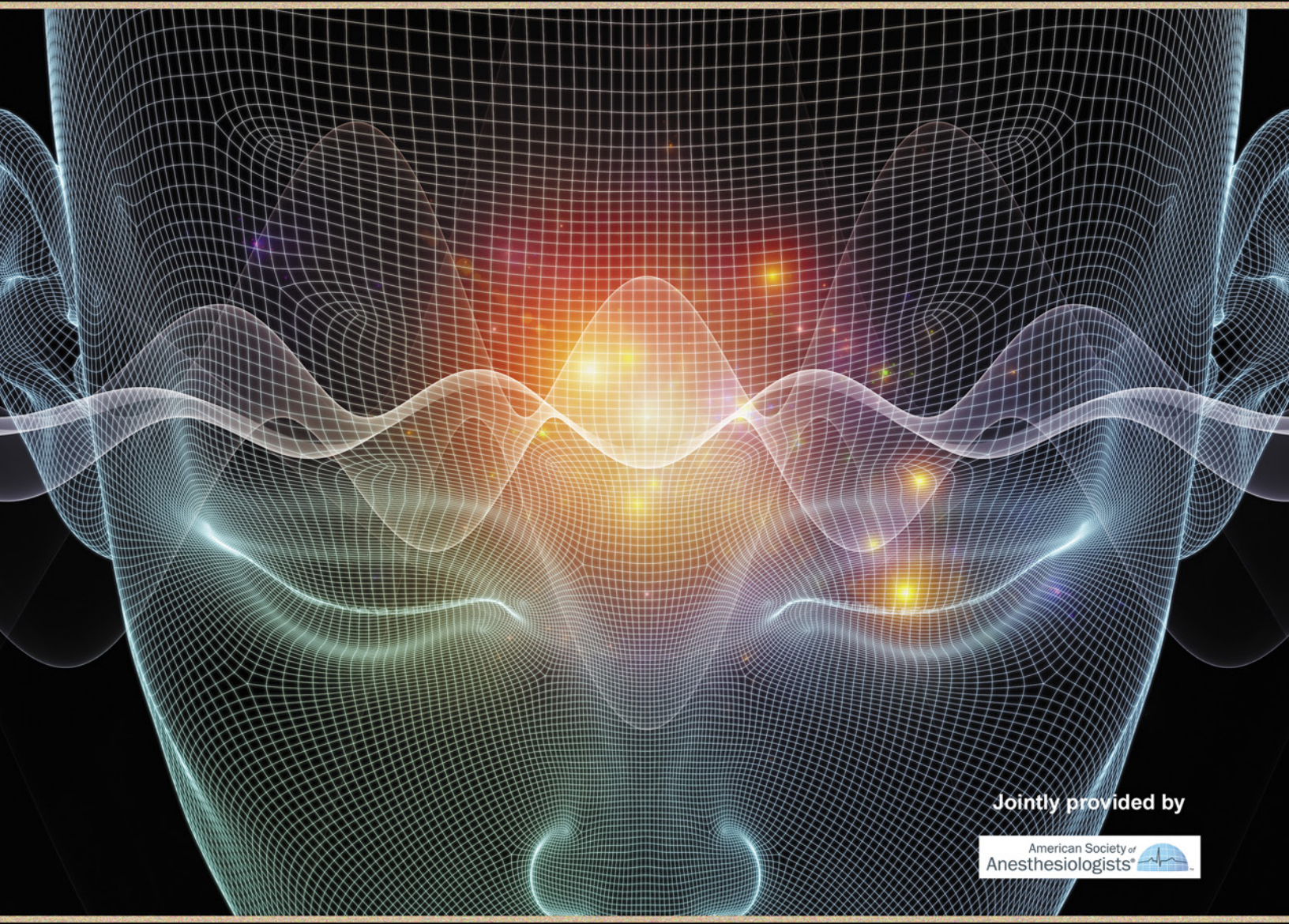

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Richmond, VA 23230-2005
(804) 565-6360 • Fax (804) 282-0090
Email: snacc@snacc.org

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