

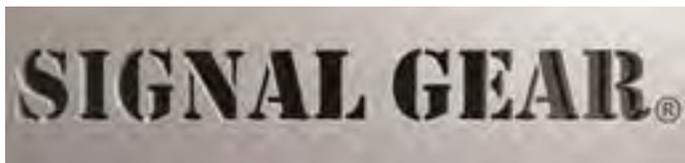
2018 ASNM FALL SYMPOSIUM



DoubleTree by Hilton Nashville Downtown
Nashville, Tennessee



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Continuing Education Credits

ASNM Continuing Education Credit (CEU)

ASNM is an ABRET-approved provider of continuing education for their IONM related credentials. ABRET is the credentialing board for Electroencephalographic (EEG) Technologists, Evoked Potential (EP) Technologists, and Neurophysiologic Intraoperative Monitoring (CNIM) Technologists, Long Term Monitoring (CLTM) Technologists, and Autonomic Testing Professionals (CAP). Such crediting, however, should not be construed by program participants as endorsement of any type of instruments or supplies mentioned or involved in these presentations. Please be advised that for continuing education hours to apply towards the EEG test, they must be ASET CEUs; however, ASNM CEUs are eligible for the recertification of the EEG credential as well as towards CNIM and EP credentials and recertification.

This activity is approved for 10.5 hours.

Continuing Medical Education Credit (CME)

This activity was planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Interstate Postgraduate Medical Association and ASNM. The IPMA is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designations

The Interstate Postgraduate Medical Association designates this live activity for a maximum 10.5 AMA PRA Category 1 Credit(s)TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Meeting Objectives

- Logistics of case management
- Pediatric IONM in neurosurgery
- Diagnostic accuracy and therapeutic potential of MEPs during extradural lumbosacral procedures
- Developing effective IONM plans
- The use of intraoperative monitoring from a spine surgeon's perspective
- Neuromonitoring experiences in radical robotic prostatectomy
- Value-Based Care: seven things neurophysiological monitoring providers and organizations need to know
- Transforming resistance to acceptance of neuromonitoring in the operating room

Target Audience

Beginner to advanced IONM practitioners, which includes technologists, neurophysiologists, physicians, anesthesiologists, surgeons and individuals involved in the business aspect of intraoperative neuromonitoring.

Planning Committee

George "Trey" R. Lee, III, M.D., M.S.,
FACNS, FASNM
Richard Vogel, PhD, DABNM, FASNM
Kelly Schild, CAE, CMP, Executive
Director
Mia Short, CMP, Director of Meetings
Maureen Howard, Continuing Education
Coordinator

Saturday, September 15

Registration

Cumberland Foyer

Sessions

Cumberland Ballroom
North

Exhibits & Breaks

Cumberland Ballroom
South

7:00 AM - 7:55 AM

Breakfast with Exhibitors

7:55 AM - 8:00 AM

Welcome and Introduction of Sessions and Speakers

George "Trey" R. Lee III, MD, MS, FACNS, FASNM

Richard Vogel, PhD, DABNM, FASNM

8:00 AM - 8:45 AM

Messages from the Literature: A Year in Review

Richard Vogel, PhD, DABNM, FASNM

This session provides an overview of major trends in the neuromonitoring (IONM) literature from 2017-2018. Significant challenges are made to the utility, efficacy and value of IONM, and they are increasingly difficult to overcome. Quality papers in support of IONM continue to be published. New techniques are available, and old techniques are increasingly used in new ways. We continue to see evidence that IONM has strong diagnostic utility, and interventions help. Questions are surfacing about the level of quality that can be achieved in our remote oversight model, and whether communication is optimal. Despite a number of significant challenges to research in general, there are many opportunities to evaluate our work through collaborative efforts.

8:45 AM - 9:30 AM

Diagnostic Accuracy and Therapeutic Potential of Motor Evoked Potentials (MEPs) During Extradural Lumbosacral Procedures

Bryan Wilent, PhD, DABNM

- Know the sensitivity of MEPs versus SSEPs or sEMG during lumbar fusions.
- Be able to explain the factors that influence the sensitivity and specificity of these modalities during these procedures.
- Be able to recount the exact alert criteria for tibialis anterior MEPs needed to reliably detect L5 nerve root dysfunction.

9:30 AM - 10:00 AM

Break with Exhibitors

Saturday, September 15

10:00 AM - 10:45 AM

Approaching a Case You've Never Done Before

Kathryn M. Overzet, MS, CNIM

Scenario: a surgeon asks you if you can monitor a procedure you've never done before. Do you decline? If not, how do you prepare for the case? The audience will explore the process of self education, learn valuable tools for developing a solid IONM plan, and broaden their minds with new techniques. The entire presentation will be supplemented with real examples of trial and error in our evolving world of IONM.

10:45 AM - 11:30 AM

Deconstructing the History & Physical

Jeffrey R. Balzer, PhD, FASNMM, DABNM

This session will focus on the value of reviewing a patient's history and physical prior to surgery. Our review of this documentation should set expectations and aid as one of the predictors of how useful IOM data may or may not be based on a patient's examination.

11:30 AM - 12:15 PM

Imaging Findings of Common Degenerative, Traumatic and Neoplastic Diseases of the Spine

Colin McKnight, MD

An introduction to basic imaging features of the spine with particular attention to the basic spinal MRI sequences. We will then review common pathology of the spine with particular attention to the imaging findings characteristic of degenerative change, traumatic injury and spinal neoplastic involvement.

12:15 PM - 1:30 PM

Lunch on your Own

1:30 PM - 2:15 PM

Best Practices for Communication and Quality

George "Trey" R. Lee III, MD, MS, FACNS, FASNMM

Saturday, September 15

2:15 PM - 3:00 PM

Comparative Data Analysis of Near Field versus Sub Dermal Electrodes

Lawrence R. Wierzbowski, AuD, DABNM, FASNM

Far field recording is usually done when it is not possible to place electrodes on the active structure. Conversely, near field recording electrodes are placed directly on/in a specific neural structure. While our profession is familiar with these concepts in Auditory brainstem evoked potentials and direct brain recording their relevance in recording electromyography and motor evoked potentials is less well understood. This lecture will examine some of the literature and compare and contrast two different recording methods.

3:00 PM - 3:30 PM

Break with Exhibitors

3:30 PM - 4:15 PM

Intraoperative Monitoring: A Spine Surgeon's Perspective

Christopher M. Bonfield, MD

The use of intraoperative monitoring is used commonly and is a very important adjunct to many spine operations. Utilizing cases as examples, we'll discuss different spinal procedures, and how intraoperative monitoring provides not only useful information, but also helps surgical decision making during the operations.

4:15 PM - 5:00 PM

Pediatric IONM in Neurosurgery: Lessons from Shangri-La

Alier J. Franco, PhD, CNIM

There are several unique challenges presented to the neurophysiologist when monitoring pediatric neurosurgical procedures. Due to the life changing impact that pediatric neurosurgical concerns seek to address, a high stress environment is intrinsic within the operating room. How a neurophysiologist adapts to the unique presentation of these cases will be discussed. The goal will be to address these challenges with emphasis on how to apply the skills gained in the pediatric world to traditional adult procedures.

5:00 PM - 5:30 PM

Closing Comments and Break before Reception

5:30 PM - 7:00 PM

Evening Reception with Exhibitors

2018 ASNM Fall Symposium

Sunday, September 16

7:00 AM - 7:55 AM

Breakfast

7:55 AM - 8:00 AM

Welcome and Introduction of Sessions and Speakers

George "Trey" R. Lee III, M.D., M.S., FACNS, FASNM

Richard Vogel, PhD, DABNM, FASNM

8:00 AM - 8:45 AM

Neuromonitoring During Spinal Cord Stimulation Procedures

Jay L. Shils, PhD, DABNM, FASNM, FACNS

This session will discuss the three main monitoring techniques used during the placement of spinal cord stimulating electrodes for the treatment of pain.

8:45 AM - 9:30 AM

Neuromonitoring Experiences in Radical Robotic Prostatectomy

Jon S. Schiff, CNIM

The lecture will provide a history of how these techniques in IOM for prostatectomy began, were further developed, and finally implemented into modern day practice. The usefulness of this technology and what modalities are most beneficial will also be discussed. Lastly, how we have taken existing IOM techniques and applied them to a different anatomical area.

9:30 AM - 9:45 AM

Break

9:45 AM - 10:30 AM

Value Based Care: 7 Things You Should Know

Gene K. Balzer, PhD, FASNM, FAAA

Value Based Care affects all segments of health care providers and organizations. This presentation will provide an overview of what this means to all providers and what this means to Neurophysiological Monitoring providers and organizations.

Sunday, September 16

10:30 AM - 11:15 AM

Transforming Resistance to Acceptance of Neuromonitoring in the Operating Room

Richard Vogel, PhD, DABNM, FASNM

Everyone who ever walked into an operating room to prepare a patient for IONM has occasionally experienced a negative reception and unwillingness to cooperate from members of the surgical team. Remote members of the IONM team may experience this as well. In some institutional cultures, surgeries that should be monitored are not, because the value of IONM is not understood. Borrowing from years of successful experience working in the operating room and as a remote professional, Dr. Richard Vogel will discuss effective communication techniques to optimize teamwork.

11:15 AM - 12:00 PM

Do You Want to Actually Get Paid for the Work you Do? Here's What You Can Do...

Melissa A. Hanley, MBA, CPC, CPCO, CPMA

While the payer landscape continues to change, the payers are not our biggest issue. Clear documentation of diagnosis and modalities performed intraoperatively command the top spot on the issue list.

12:00 PM

Closing Comments, Adjourn

Meet the Board

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DABNM, FASNM

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Faculty Disclosure Statements

Gene K. Balzer, PhD, FASN, FAAA
has disclosed no relevant financial relationships

Jeffrey R. Balzer, PhD, FASN, DABNM
has disclosed no relevant financial relationships

Christopher M. Bonfield, MD
has disclosed no relevant financial relationships

Alier J. Franco, PhD, CNIM
has disclosed no relevant financial relationships

Melissa A. Hanley, MBA, CPC, CPCO, CPMA
has disclosed no relevant financial relationships

George "Trey" R. Lee III, M.D., M.S., FACNS, FASN
has disclosed no relevant financial relationships

Colin McKnight, MD
has disclosed no relevant financial relationships

Kathryn M. Overzet, MS, CNIM
has disclosed no relevant financial relationships

Jon S. Schiff, CNIM
has disclosed consultant and investment income from Propep Surgical

Jay L. Shils, PhD, DABNM, FASN, FACNS
has disclosed consultant income from Medtronic

Richard Vogel, PhD, DABNM, FASN
has disclosed no relevant financial relationships

Lawrence R. Wierzbowski, AuD, DABNM, FASN
has disclosed no relevant financial relationships

Bryan Wilent, PhD, DABNM
has disclosed no relevant financial relationships

Reviewer Disclosure Statements

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Planning Committee / Administration Disclosure Statements

George "Trey" R. Lee III, M.D., M.S., FACNS, FASN
has disclosed no relevant financial relationships

Heidi Ness, IPMA Director of Education and Accreditation
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Maureen Howard, Continuing Education Coordinator
has disclosed no relevant financial relationships

Richard Vogel, PhD, DABNM, FASN
has disclosed no relevant financial relationships

Kelly Schild, CAE, CMP, Executive Director
has disclosed no relevant financial relationships

Mia Short, CMP, Director of Meetings
has disclosed no relevant financial relationships

ASN has not received any commercial support for this educational event.

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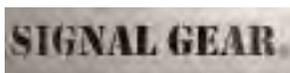
NuVasive Clinical Services (NCS) and SafePassage have combined to become the nation's leading provider of intraoperative neuromonitoring (IOM) services to surgeons and healthcare facilities, through the combination of Impulse Monitoring and Biotronic NeuroNetwork, along with the recent acquisition of SafePassage. We combine industry-leading technology, service, and quality to serve over 100,000 cases annually with more than 550 neurophysiologists and 30 physicians on staff. We look forward to growing our status as the largest IOM provider, but also as the most highly coveted employer in the industry.

[Rhythmink International, LLC \(www.rhythmink.com\)](http://www.rhythmink.com)



Rhythmink International is a medical device manufacturing company specializing in devices that help connect patients to machines to record or elicit physiologic information. Rhythmink designs, manufactures and distributes a variety of medical devices for intraoperative neuromonitoring, electroencephalography, evoked potentials, polysomnography, long-term monitoring epilepsy and critical care units. Founded by neurodiagnostic technicians and engineers in 2002, Rhythmink enhances patient care worldwide by transforming medical device technology that links patients to equipment. Rhythmink also offers custom packaging, custom products, private labeling and contract manufacturing services.

[Signal Gear \(www.signalgear.com\)](http://www.signalgear.com)



Signal Gear® is a medical device company focused on designing neurodiagnostic accessories. Founded on the premise that passionate, thoughtful study is key to innovation and creativity, we study the scientific literature, the patient and clinical practice. All Signal Gear® products will be the best or we won't sell them.

[SpecialtyCare \(www.specialtycare.net\)](http://www.specialtycare.net)



Physicians and hospitals should have the best possible means to ensure the most positive patient outcomes, while being able to maintain their own financial health and success. To help our customers achieve this, we are committed to delivering exceptional care outcomes, patient safety, and financial results in over 1,000 hospitals and health systems, supporting 13,000 physicians during 350,000+ procedures annually. This makes us the market leader in perfusion and intraoperative neuromonitoring, and the industry's choice for autotransfusion, sterile processing management, surgical assist, and minimally invasive surgical support.

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Apex IONM Solutions is devoted to helping create success for intraoperative neuromonitoring companies. The experts at Apex have spent years in the IONM industry, and are now putting their expertise to work as leaders in the intraoperative neuromonitoring field. From billing to technical support, education to administrative leadership, Apex can not only advise on best practices, but also handle day-to-day tasks so that IONM companies can achieve success.

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Established. Focused. Global. At Cadwell®, we are passionate about enabling quality, informed outcomes for your patient care. Our neurodiagnostic and neuromonitoring solutions are designed to deliver efficient work-flow, quality data, reliable performance and easy reporting. Our brands include Arc EEG, LTM and ICU cEEG; Sierra® EMG and EP with integrated ultrasound; Cascade® IONM; Easy® PSG and CadLink™ data management. Our global sales and support teams serve physicians and medical centers worldwide. We take pride in combining customer input with our employees' expertise and USA-made components to provide the best solutions in the industry.

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Located in the heart of the technology district in Milford, OH, Consolidated Neuro Supply, Inc. is a leading provider of healthcare products used to monitor critical neurological structures during high-risk surgical procedures. With nearly \$5 million in annual sales, product offerings include subdermal needle electrodes, pedicle screw and direct nerve stimulators, laryngeal electrodes, surface electrodes, and other IONM accessories. Our line includes our own brands as well as those from other industry leaders. The company has been in business since June 2003.

[Ideal Health Careers, Inc.](http://www.idealhealthcareers.com) (www.idealhealthcareers.com)



Ideal Health Careers is a specialty recruitment firm focused exclusively on the field of Neurophysiology. Our mission is to assist both technologists and neurologists in fulfilling career objectives in IOM by providing a unique approach that is confidential, discreet, and individually tailored to meet your career needs. We have placed over 100 neurophysiology professionals since 2005 in meaningful positions, from entry-level technologists to experienced reading physicians. Whether you are a job candidate seeking a more meaningful career or an employer seeking top talent, please stop by our booth and see how we can help. You have nothing to lose and everything to gain.

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Knowledge Plus is the PREMIER neurodiagnostic and polysomnographic continuing education provider whose mission is to design and implement programs that enhance the effectiveness of health-care professionals and companies. Knowledge Plus helps companies and people in health-care achieve their organizational and personal continuing education goals through training and health-care education programs and products.

Max Neuro Supply, Inc. (www.maxneurosupplyinc.com)



Max Neuro Supply Inc. is a provider of health-care products used to diagnose neurological disorders, and monitor critical neurological structures during high-risk surgical procedures. The product line includes sub-dermal needles, surface electrodes, disposable bipolar, mono-polar, and concentric direct nerve probes.

Medsurant Health (www.medsurantmonitoring.com)



Medsurant Health promotes a team culture encompassing the highest standard of care through clinical excellence and patient centered assurance. Our clinical personnel are the driving force and foundation of the organization. We support our staff with career building opportunities such as: CNIM board prep, training academy, continuing education, society memberships, access to research committee and journal reviews with industry experts. Leadership development, team building activities, employee recognition, education and career growth support are all part of the innovative Medsurant culture. We are looking for motivated individuals who are eager to learn and grow in the fast paced, ever changing environment of intraoperative neuromonitoring and neurodiagnostic care.

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IONM Life is a staffing agency that provides flexible IONM relief and placement services. We connect qualified IONM staff with hospitals, groups and vendors who are seeking to fill relief, long-term and educational positions. We do not engage in full-service IONM contracts. Members are in control of where they go next.. Members input their career goals and lifestyle and our creative platform contacts them with appropriate hospital and industry opportunities. No commitment is required. Profiles are totally confidential, and we don't share information with hospitals or medical groups unless the member has agreed to pursue the opportunity.

[Labouré College \(www.laboure.edu\)](http://www.laboure.edu)



IONM certification and education standards have changed, yet the demand for qualified monitorists is skyrocketing. Labouré College is happy to announce that its Intraoperative Neuromonitoring certificate is now accredited by CAAHEP, the first of its kind in the country. Labouré College in Massachusetts has been educating Neurodiagnostic Technologists (NDT) for over 42 years, locally and online across the country. Labouré's NDT program is fully accredited and now offers an IONM Program. We need your help to urge facilities to collaborate with us for our IONM clinical rotations! Please visit us at our booth for more details on how you can impact quality IONM training.

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Four Seasons Hotel
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Fall Symposium

September 13-15, 2019

Hyatt Regency Boston
Boston, Massachusetts