COME TO RENO TO

• Learn about the latest trends in neurodiagnostics
• Acquire continuing education in the most interesting and interactive way possible
• Network with colleagues and friends
• Participate in activities and discussions that will help you grow professionally
• Evaluate the newest in equipment and supplies in the Exhibit Hall
• Earn up to 22 ACE Credits
• Explore Reno

www.aset.org/annualmeeting
3-day Conference Format
Make plans now to join us in Reno, NV for ASET’s 54th Annual Conference. ASET has been providing neurodiagnostic technologists valuable education since 1959. Back by popular demand, and in an effort to meet your requests and make this national conference easier for busy technologists to attend the entire event, we have shortened the schedule to three days. Each day is packed with valuable presentations that will make a difference in your work place. The Keynote address and Special Lectures are spread out over the three days, and the course tracks and abstract presentations will run concurrently, allowing maximum flexibility and customized learning. To view the daily schedules, go to page 4, 5, and 6. The special lectures listed on the next page will be offered as plenary sessions so you may participate in the course tracks of your choice and not miss out on these tremendous guest presentations.

In you have not visited Reno, Nevada, you are in for a treat! This is a culturally creative, vibrant, exciting city with lots to offer. The location of the Peppermill Resort Spa Casino is ideal, just minutes from the Reno-Tahoe International Airport and in the heart of the city’s entertainment district, where great food and good friends await after a day of top-notch educational offerings. If you don’t want to venture out, the Peppermill has ten exceptional and affordable dining establishments, including a steakhouse and Asian, Italian, and seafood restaurants, a start-of the-art fitness center, three pools, and the three-story, world-class Spa Toscana. ASET conferees qualify for a 15 percent discount on all Spa Toscana services.

Reno, NV is a welcoming city right at the base of the Sierra Nevada mountains with activities for the whole family. When the meeting is not in session, take in the sites of the city. Visit the Truckee River that flows through downtown, catch a Reno Ace’s AAA baseball game one evening and plan to join us Friday night for an entertaining “Evening with the Dendrites”, ASET’s very own band.

Reno is accessible by air from anywhere in the U.S. and just a 45 minute drive to Lake Tahoe, where there is something for everyone.

Join us August 1 – 3, 2013 in Reno, NV at the Peppermill Resort Spa Casino for a memorable and educational event not to be missed!

WHO SHOULD ATTEND?
ASET welcomes neurodiagnostic technologists and students, physicians, other health care providers, and personnel representing vendors that supply products and services to the profession. This is the premier event for all disciplines of neurodiagnostics, including EEG, EPs, Intraoperative Neuromonitoring, Long-Term and ICU Monitoring, Nerve Conduction Studies, Pediatric Neurodiagnostics and Professional Development for the Neurodiagnostic technologist.
**LEWIS KULL MEMORIAL KEYNOTE ADDRESS**

"The Future of the Health Care Workforce in America: Is it Supercalifragilistic Neurodiagnostic?"

ASET is honored to have Mr. Lenhoff on our 2013 Annual Conference Program. He has given many presentations nationwide on the topic of the future of Allied Health in America. There are many factors converging to create a "Perfect Storm" with health care reform. He will provide some insight into the future of the allied health workforce in America and how it will be influenced by the Affordable Health Care Act, the aging workforce, and the increasing need for medical care as our population ages. He will also explain how other allied health professions are dealing with the changing demands. His presentation will set the stage for the innovative approach we must develop to cope with the future demand for our services.

**Biographical Sketch**

Fred Donini-Lenhoff, MA, is a member of the board of the Health Professions Network (HPN), a national group representing leading allied health organizations (including ASET). He has served in this role since the HPN was incorporated and the board instituted in 2006. In May 2011 he was a member of the planning committee for an Institute of Medicine conference looking at the allied health workforce. He has presented at meetings of the National Society of Allied Health, Commission on Accreditation of Allied Health Education Programs, Association of Staff Physician Recruiters, and National Network of Health Career Programs in Two-Year Colleges. He has published articles on topics including trends in graduate medical education and medical specialization, the history of the term “allied health,” and racial/ethnic diversity in allied health education programs.

Since 1993, Mr. Donini-Lenhoff has worked at the American Medical Association (AMA). In his current role, he works with medical school deans and other faculty to ensure that the voice of academic medicine is heard in the AMA House of Delegates. He also produces the AMA monthly e-newsletter, AMA MedEd Update. In addition, he was editor of the AMA’s former Health Care Careers Directory, which listed 8,000 health professions education programs nationwide.

A graduate of DePaul University (MA, writing) and Florida State University (BA, writing), he lives near Chicago with his wife, daughter, and two cats (Junior and Cling). His stage name is "Freddy Flow."

The Keynote Address is sponsored in perpetuity by ABRET, in memory of Lewis Kull.

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**FRIDAY, AUGUST 2, 2013**

**ELLEN GRASS LECTURE**

“Health Care Regulation and Legislation: Impact of Recent Changes on Our Jobs, Practice, and Patient Care”

Dr. Nuwer is a nationally recognized expert in ICU monitoring and IONM and has played an active role in the evolution of reimbursement policy and legislation affecting neurology and the practice of neurodiagnostics. He will provide insight into the recent changes in reimbursement for common neurodiagnostic procedures, and the way that these changes will impact the way we deliver patient care. We are facing difficult choices as new government policy takes effect, and his advocacy for neurodiagnostics has made a difference for all neurodiagnostic practitioners.

**Biographical Sketch**

Dr. Nuwer is a graduate of Stanford University where he earned a Masters in Electrical Engineering, his PhD in Neurosciences, and his MD. He now serves as Department Head of Clinical Neurophysiology and Professor of Neurology at UCLA. He has published widely in the field including ICU and intraoperative monitoring. For intraoperative monitoring this includes several widely used books, a commonly cited large multicenter study, and a recent evidence-based medicine assessment. He is a past-president of the International Federation of Clinical Neurophysiology and of the American Clinical Neurophysiology Society. He represents Clinical Neurophysiology at the American Medical Association, at the CPT coding panel, and at the RVU Committee. He is a past chairman of the American Academy of Neurology’s Medical Economics Committee. He was involved in negotiations on the Patient Protection and the Affordable Care Act legislation, continuing negotiations with Congress and with Medicare, and organizing health care policy issues on behalf of our field. His publications include a comprehensive study of the US healthcare economy with those in Europe; and an analysis of the reasons behind higher healthcare costs in the US.

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**SATURDAY, AUGUST 3, 2013**

**KATHLEEN MEARS MEMORIAL LECTURE**

“Personal Accountability: Your Key to Survival in Health Care Reform”

Over the past thirty years the rising cost of healthcare has produced changes in reimbursement strategies. Continually, pressures are placed on the practitioners to reduce the length of the patient hospital stay and provide services in a high quality, risk free, cost effective manner. Following the implementation of Diagnostic Related Groups in the 80s and Managed Care in the 90s we are now faced with embracing and surviving Accountable Health Care (ACO). In short, financial constraints in the funding of health care will once more alter the patterns of delivery and challenge the practitioners to maintain superior care.

As Neurodiagnostic Professionals this new reform offers another opportunity to review our process of care and the Neurodiagnostic Lab’s role. For success, close examination of routine workflows, recognizing and solving existing delivery limitations, developing team care coordination, and increasing the neurodiagnostic technologist professional’s profile within the work environment will be required.

Embracing your role in this overall process will most likely demand more paperwork, changing protocols, learning and implementing new policies, accepting new work schedules, implementing new quality standards and pursuing additional credentials. Unlike never before, more emphasis will be placed on measuring and reporting on the quality of the care we deliver in our labs, ICUs, and ORs.

Become “Accountable” to manage costs and care.

**Biographical Sketch**

Sabrina Galloway is the Director of Neurodiagnostic Operations for Neuromonitoring Technologies, Inc. (NMT). She holds a Bachelor’s Degree earned Summa Cum Laude and has successfully achieved certifications and registries in the various service areas of Neurodiagnostics. With over 30 years of clinical experience including the delivery of clinical patient care, medical manufacturing and executive management she integrates these expertises in pursuit of the delivery of high quality patient care. She is currently developing and expanding services for NMT to include continuous EEG in the ICU and EMU. Ms. Galloway’s accomplishments also include leadership positions in ASET - The Neurodiagnostic Society as Past President and member of the Board of Trustees as well as the American Society of Neurophysiological Monitoring (ASNM) as member of the Board of Directors and past Secretary. She has authored numerous peer reviewed journal articles and contributed book chapters in the field of neurodiagnostics, IONM and cEEG.
### SCHEDULE OF EVENTS

**THURSDAY, AUGUST 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 8:15 – 9:30 a.m. | Platform Presentations Track Plenary Session Lewis Kull Memorial Keynote Address  
“The Future of the Health Care Workforce in America: Is it Supercalifragilistic Neurodiagnostic?”  
Fred Lenhoff, MA                                                                 |
| 9:30 – 10:30 a.m. | Break in Exhibit Hall with Poster Viewing                                                                                                    |
| 10:30 – 11:00 a.m. | The Value of Accreditation in a New Era of Health Care  
Jackie Long Goding, PhD, RRT, NPS, FAARC                                                                 |
| 11:00 – 11:30 a.m. | The Transition to the ABRET 2018 Deadline – Let Us Help You  
Barb Tetzlaff, R. EEG/EP T., CNIM, MS                                                                 |
| 11:30 a.m. - noon | Developments in Credentialing  
Diane Liesen, R. EEG/EP T., MA                                                                 |
| Noon – 12:30 p.m. | A P300 Brain Computer Interface Speller Based on EEG Signals  
Nick Anderson, PhD                                                                 |
| 12:30 – 1:30 p.m. | Meet & Greet Lunch                                                                                                                                |
| 1:30 – 2:00 p.m. | The Relationship Between Sleep Activated Intertical Epileptiform Discharges and Intelligence in Children  
Christine Scott, R. EEG/EP T., CLTM, MA                                                                 |
| 1:30 – 2:15 p.m. | Is it a Seizure or a Non-Epileptic Event?  
Joseph Drazkowski, MD, R. EEG/EP T.                                                                 |
| 1:30 – 2:15 p.m. | Demyelinating Neuropathies  
Ann Little, MD                                                                 |
| 1:30 – 2:15 p.m. | Updates in Neonatal EEG  
Eli Mizrahi, MD                                                                 |
| 2:00 – 3:00 p.m. | Government Advocacy Begins With You: Become a Point of Contact Team Member  
Bradley Hix, MA                                                                 |
| 2:00 – 3:00 p.m. | Intractable Seizures in Adults  
Pat Trudeau, R. EEG T., CLTM                                                                 |
| 2:00 – 3:00 p.m. | Ultrasound of the Upper Extremity Peripheral Nerves  
Teresa Spielgelberg, R. EEG T., R.NCS.T., CNCT, & Chris Murray                                                                 |
| 2:00 – 3:00 p.m. | Monitoring Seizures in Pediatric Patients  
Sharon Liner, R. EEG T.                                                                 |
| 3:00 – 4:00 p.m. | Break in Exhibit Hall with Poster Viewing                                                                                                    |
| 4:00 – 4:30 p.m. | Utility of IONM During Shoulder Arthroplasty  
Bryan Wilent, CNIM, PhD                                                                 |
| 4:00 – 4:45 p.m. | Extra Electrode Placement: Options, Techniques and Advantages  
Susan Fervich, R. EEG T., CLTM, BS                                                                 |
| 4:00 – 4:45 p.m. | Hands on NCS Workshop  
Janet James, R.NCS.T., CNCT                                                                 |
| 4:00 – 4:45 p.m. | Interactive Workshop: Preparing the Challenging Pediatric Patient for NDT Testing and Getting Optimal Results  
Joshua Ewen, MD, & the Kreuger Kennedy Institute team                                                                 |
| 4:30 – 5:00 p.m. | Standardization of IONM and Physician Communication for Surgical Spinal Cases  
Sabrina Faust, R. EEG/EP T., CNIM, CLTM, AAS                                                                 |
| 4:30 – 5:00 p.m. | Customizing Seizure Assessment  
Sherry Nehamkin, R. EEG/EP T., CNIM, CLTM, FASET                                                                 |
| 5:00 – 5:30 p.m. | Theda Sannit: Reflections of a Leader and Educator  
Sharyn Katz, R. EEG T., & Mark Stecker, MD, PhD                                                                 |
| 5:00 – 5:30 p.m. | Exhibit Hall Welcome Reception                                                                                                                   |
## Schedule of Events

**Friday, August 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 – 9:00 a.m.</td>
<td>Plenary Session&lt;br&gt;Ellen Grass Lecture:&lt;br&gt;&quot;Health Care Regulation and Legislation: Impact of Recent Changes on Our Jobs, Practice, and Patient Care&quot;&lt;br&gt;Marc Nuwer, MD</td>
</tr>
<tr>
<td>9:05 – 9:35 a.m.</td>
<td>Update: Qualifications for Neurophysiologic Personnel Project&lt;br&gt;Lucy Sullivan, R.EEG T., CLTM</td>
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<tr>
<td>9:35 – 10:05 a.m.</td>
<td>Current Trends in IONM&lt;br&gt;Robert Holdefer, PhD, DABNM</td>
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<tr>
<td>10:05 – 11:00 a.m.</td>
<td>Pitfalls of EEG Recording Techniques&lt;br&gt;Eli Mizrahi, MD</td>
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<tr>
<td>11:00 a.m. – 12:00 p.m.</td>
<td>Health Care in the Last Frontier&lt;br&gt;Robert Rotzler</td>
</tr>
<tr>
<td>12:00 – 2:00 p.m.</td>
<td>Annual Business Meeting &amp; Awards Luncheon</td>
</tr>
<tr>
<td>2:00 – 2:50 p.m.</td>
<td>Electroencephalographic and Clinical Findings in 37 Dogs and 4 Cats&lt;br&gt;William Bush, V.MD., DACVIM</td>
</tr>
<tr>
<td>2:50 – 3:35 p.m.</td>
<td>Anesthesia and Intraoperative&lt;br&gt;Neuromonitoring&lt;br&gt;Corrin Anderson, MD</td>
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<td>3:35 – 4:20 p.m.</td>
<td>SSEPs&lt;br&gt;Denise Bates, R. EP T., CNIM, MBA</td>
</tr>
<tr>
<td>5:00 – 6:30 p.m.</td>
<td>Sundown Seminars <em>(ticketed event)</em> - $30</td>
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### Autonomic Testing Workshop
*Faculty TBA*

Autonomic testing is increasingly being done by neurodiagnostic staff. This workshop will provide information about the components of autonomic testing, and the autonomic nervous system as well as diseases that affect this system.

### CLTM Board Prep Workshop
*Stephanie Jordan, R. EEG/EP T., CNIM, CLTM*

This workshop is designed to give you an overview of concepts that are important to study when preparing for the CLTM exam.

### EEG Board Prep Workshop
*Faculty TBA*

Whether you are preparing for the new ABRET written exam, or plan to take the Part II oral exam, this workshop is geared to help you review key concepts, pull together study resources and gain insight into what you need to know to succeed.

### Updates in PSG and Sleep Medicine
*Scott Blodgett, R. EEG T., RPSGT, RST, MBA*

There have been many recent changes in sleep medicine and methods for recording the PSG. Scott is a dynamic speaker and will provide an interactive discussion about key issues. Topics will include licensure, new practice models, and alternative treatment programs.

### Educator’s Educational Workshop
*Jean Farley, R. EEG T., MA<br>Wendy Howerton, Ed.D.*

All educators are invited to attend this free session. Two topics will be covered: Jean Farley, from the Laboure’ Neurodiagnostic Program in Boston will offer a presentation innovative ways to engage students in the classroom, and a second speaker will present a topic related to student recruitment and retention, which is a key goal for ASET, as it supports the development of additional educational opportunities.
## SCHEDULE OF EVENTS

**SATURDAY, AUGUST 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Track/Event</th>
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<tbody>
<tr>
<td>8:00 – 9:00 a.m.</td>
<td>Platform Presentations Track</td>
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<tr>
<td>9:00 – 9:30 a.m.</td>
<td>Plenary Session</td>
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<tr>
<td>9:30 – 10:00 a.m.</td>
<td>Neurodiagnostic History Comes Alive</td>
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<tr>
<td>10:00 – 10:30 a.m.</td>
<td>Break</td>
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<tr>
<td>10:30 – 11:00 a.m.</td>
<td>Comparison of De-artifacting Techniques: PCS, ICA and Epoch Cutting</td>
</tr>
<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Utilizing the Q-EEG to Develop Clinical Neuromodulatory Protocols</td>
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<tr>
<td>11:30 – noon</td>
<td>Why Do Research and How to Start the Process</td>
</tr>
<tr>
<td>Noon – 1:00 p.m.</td>
<td>Interest Section Lunch</td>
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<tr>
<td>1:00 – 1:45 p.m.</td>
<td>Brainstem Anatomy and Physiology and IONM</td>
</tr>
<tr>
<td>1:45 – 2:30 p.m.</td>
<td>IONM Lab Accreditation</td>
</tr>
<tr>
<td>2:30 – 4:00 p.m.</td>
<td>Synapse Bowl and Closing Ceremony</td>
</tr>
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THURSDAY, AUGUST 1, 2013

Platform Presentations Track & Plenary Sessions

LEWIS KULL MEMORIAL KEYNOTE ADDRESS
The Future of the Health Care Workforce in America: Is it Supercriticalfragilistic Neurodiagnostic?
Fred Lenhoff, MA
Mr. Lenhoff will provide some insight into the future of the allied health workforce in America and how it will be influenced by the Affordable Health Care Act, the aging workforce, and the increasing need for medical care as our population ages. He will also explain how other allied health professions are dealing with the changing demands.

The Value of Accreditation in a New Era of Health Care
Jackie Long Goding, PhD, RRT, NPS, FAARC
Executive Director and the current Chair of the Committee on Accreditation for Education in Neurodiagnostic Technology (CoA-NDT) have collaborated on this presentation to explain the importance of CAAHEP accreditation for formal education programs. With accountability now playing such an important role in the health care setting, graduates from a CAAHEP accredited program will be of great value to potential employers. Graduates of CAAHEP accredited programs have met learning outcomes and will be competent entry level employees.

The Transition to the ABRET 2018 Deadline – Let Us Help You
Barb Tetzlafl, R. EEG/EP T., CNIM, MS
The Secretary for the Committee on Accreditation for Education in Neurodiagnostic Technology will present an overview of methods and pathways to obtain CAAHEP accreditation through the CoA-NDT. She will provide information about support systems and resources available to help programs through the accreditation process, including the use of ASET on-line courses to meet curriculum requirements.

Developments in Credentialing
Diane Liesen, R. EEG/EP T., MA
The current President of ABRET will review recent changes in the ABRET credentialing process. There is a new ABRET EEG exam, and five new eligibility criteria. In addition, ABRET has implemented a new “Credential Manager” system on their website to streamline the process of recertification and apply for an exam. ABRET now offers three lab accreditation options with the new LAB-LTM program in place.

A P300 Brain Computer Interface Speller Based on EEG Signals
Nick Anderson PhD
This abstract presentation will introduce the concept of Brain Computer Interface, which uses EEG signals to control a spelling device. This technology will allow a person who is unable to communicate verbally to communicate via the speller. Examples of communication through Twitter, Second Life and Smart Home Technology will be included.

The Relationship Between Sleep Actived Interictal Epileptiform Discharges and Intelligence in Children
Christine Scott, R. EEG/EP T., CLTM, MA
Christine conducted a study to determine the relationship between interictal epileptiform discharges in patients with benign rolandic epilepsy and cognitive development. The hypothesis is that the more interictal discharges seen, the lower the cognitive test scores will be. She will present her study results and discuss her findings in regard to the relationship between interictal spikes and cognitive development.

Government Advocacy Begins With You: Become a Point of Contact Team Member
Bradley kix, MA
Bradley is the ASET Governmental and Grass Roots Advocacy Manager. He has developed a handbook for how to communicate with legislators. This important initiative will provide technologists with skills to enhance their relationships with legislators and empower them to advocate for our profession when regulatory actions threaten our scope of practice. He will provide insight into the important part we all play in ensuring our jobs for the future.

Utility of IONM During Shoulder Arthroplasty
Bryan Wient, CNIM, PhD
This abstract is a review of a study conducted on 134 patients who underwent shoulder arthroplasty surgery with Intraoperative Neuromonitoring. Modalities used included ToMEPs and SSEPs, with specific alarm criteria set. The author will report on the efficacy of IONM to detect possible nerve injury.

Standardization of IONM and Physician Communication for Surgical Spinal Cases
Sabrina Faust, R. EEG/EP T., CNIM, CLTM, AAS
The Joint Commission has identified communication problems as a significant contributing factor in surgical errors. The author conducted a survey involving surgeons and technologists to determine key gaps in communication during IONM. A multi-disciplinary work group convened to develop guidelines for standardized communication for IONM modalities: SSEPs, ToMEPs and EMG.

Theda Sannit: Reflections of a Leader and Educator
Sharyn Katz, R. EEG T. and Mark Stecker, MD, PhD
This is an In Memorium presentation by two individuals who were fortunate to have known and worked with Theda Sannit, who passed away in May of 2012. The ASET Outstanding Educator Award was created to acknowledge Theda’s lifelong goal to educate others in the skills related to EEG Technology. Sharyn and Dr. Stecker will provide insight into her interests, history and philosophy of life.

LTM/Epilepsy Course Track

Speech and Memory Assessment in Epilepsy Surgery Candidates
Rohit Das, MD
The localization of language and memory functions is a very important part of the epilepsy work-up. Dr. Das will describe techniques used to determine where speech and memory centers are in the human brain. This is a fascinating practical lesson in functional Neuroanatomy, and as a technologist you pay a key role in this process. Dr. Das is an attending neurologist at the Indiana University Health Care System, and treats epilepsy patients.

EMU-Engaged, Motivated, Unified: A Team Approach
Susan Agostoni, R. EEG/EP T., CLTM
Susan Agostoni is the manager of the epilepsy monitoring unit at Banner Good Samaritan Medical Center in Phoenix. She advocates for an interdisciplinary team approach to patient care and has implemented a very effective program to ensure the best possible outcome for each patient, while maintaining transparency and encouraging innovation. She will explain the team approach used in her EMU and you will wish that you, too, could be a part of her team.

Is it a Seizure or a Non-Epileptic Event?
Joseph Drazkowski, MD, R. EEG/EP T.
Teds agrees that Dr. Drazkowski is one of their favorite speakers because of his enthusiasm and ability to involve the audience. He is a past Ellen Grass Lecturer, and is an epileptologist at the Mayo Clinic in Scottsdale, AZ. He maintains a fascinating collection of case studies, with video and EEG samples and will show some of his best to illustrate odd seizures and non-epileptic events which may be mistaken for seizures.

Intractable Seizures in Adults
Pat Trudeau, R. EEG T., CLTM
Almost everyone who has worked in neurodiagnostics for a long time has followed patients who fall into this category, with seizures that are difficult to treat. A variety of conditions can long time has followed patients who fall into this category, with seizures that are difficult to treat. A variety of conditions can contribute to intractable epilepsy and Pat will review some of these disorders through case histories and discuss EEG and clinical findings. Pat Trudeau has worked at Marshfield Clinic for many years and is active with both ASET and ABRET.

Extra Electrode Placement: Options, Techniques and Advantages
Susan Feravich, R. EEG T., CLTM, BS
It is becoming common practice to incorporate additional electrodes from the 10/10 System when setting a patient up for an epilepsy monitoring session. However, many of us have never been formally trained on how to determine the electrode locations, or the electrode nomenclature. Susan will explain how to place these leads and use case studies to prove that placing extra electrodes can provide essential information to localize an epileptogenic focus.

Customizing Seizure Assessment
Sherry Nehamkin, R. EEG/EP T., CNIM, CLTM, FASET
Sherry works in a very unique environment at the Cleveland Clinic, observing LTM patients remotely as they are recorded at several satellite centers. In this setting she is able to observe many patients and their caregivers as they conduct assessments to determine consciousness and document features of clinical seizures in progress. This experience has led her to become passionate about how the seizure assessment is done. She will provide tips that make the seizure assessment more effective and discuss a variety of situations we may encounter, such as non-verbal patients, patients with disabilities and those whose cultural backgrounds require sensitivity and forethought.

NCS Key Topics Course Track

Nerve Conduction Physiology
Ann Little, MD
Dr. Little comes to us from the University of Michigan where she specializes in treating neuromuscular disease including amyotrophic lateral sclerosis, neuropathies, myopathies and disorders of neuromuscular transmission such as myasthenia gravis. In this presentation she will cover the anatomy and physiology of the peripheral nervous system and provide a solid foundation for technologists who are doing nerve conduction studies. This will enhance our understanding of the nerve pathways and allow us to use critical thinking skills to better assess neuromopathies and aid in the diagnosis of nerve injury.

Tips on Winning the Neuromuscular Junction Game: Taking the Gamble out of it
Jerry Morris, R.N.C.T., CNT, MS
Jerry Morris speaks frequently on NCS topics for ASET, and is a highly respected expert in his field. Because of his enthusiasm for sharing his knowledge, he was awarded the Theda Sannit Outstanding Educator Award in 2008. He will bring his years of experience to the discussion and share some of his tips to improve techniques to assess the neuromuscular junction, which can be a challenge to study effectively.

Demyelinating Neuropathies
Ann Little, MD
Demyelinating neuropathies require an extensive and complex NCS/EMG workup. Dr. Little will provide a comprehensive overview of various neuropathies that involve demyelination. She will explain the very interesting clinical and NCS findings through case studies and samples.

Ultrasonound of the Upper Extremity Peripheral Nerves
Teresa Spiegelberg, R. EEG T., R.N.C.T., CNCT & Chris Murray, Co-Presenter
Ultrasound is emerging as a new diagnostic technique for the assessment of the peripheral nervous system. This presentation will provide a basic overview of the theory behind ultrasound, and the techniques used to visualize peripheral nerves, as well as examples of normal and abnormal findings. A live demonstration using ultrasound equipment will also be included.
Hands on NCS Workshop

Janet James, R.NCS.T., CNCT
Jerry Morris, R.NCS.T., CNCT, M.S.

As always, this is a perennial favorite in the ASET NCS Course! We will provide two work stations for small group, hands-on learning facilitated by our expert instructors. You will have the opportunity to customize your learning and practice NCS techniques.

Pediatric Neurodiagnostics

Childhood Epileptic Syndromes
Michael Quach, MD
Dr. Quach comes to us from Texas Children’s Hospital, in Houston, where he has a busy practice treating children with epilepsy. He will provide a very interesting discussion about the epileptic syndromes that are unique to pediatric patients, and an overview of the clinical and EEG findings for each of these syndromes.

What Else Can It Be? The Non-Epileptic Entities of Childhood
James Riviello, MD
It is always a challenge to separate epileptic events from those that may resemble seizures, but are not. It presents even more of a challenge when dealing with pediatric patients, who may not be able to explain their symptom! From the neonatal period, on through childhood, there is a fascinating array of conditions that may be mistaken for seizures. As a pediatric epileptologist with many years experience, Dr. Riviello will be sure to share some fascinating case histories with video and EEG findings.

Updates in Neonatal EEG
Eli Mizrahi, MD
Dr. Mizrahi is an internationally recognized expert on neonatal neurophysiologist who also comes to us from Texas Children’s Hospital. His presentation will include a description of neonatal EEG findings and an update on the newly published ACNS guidelines for continuous EEG monitoring in the neonate, and the ACNS recommendations for EEG Terminology for describing neonatal EEG monitoring.

Monitoring Seizures in Pediatric Patients
Sharon Liner, R. EEG T.
In this informative presentation, Sharon will share her extensive experience in recording pediatric EEG, and she will provide technical tips and case studies to demonstrate how to set-up and record young patients to maximize the outcome of the monitoring session, recognize abnormal EEG findings and correlate them with clinical symptoms.

Interactive Workshop: Preparing the Challenging Pediatric Patient for NDT Testing and Getting Optimal Results
Joshua Ewen MD & the Kreuger Kennedy Institute team
We are very fortunate to have this team of experts, headed by Dr. Ewen, come to us from this unique institute in Baltimore, which is dedicated to the treatment of neurological disorders affecting children. They have developed special desensitization and communication techniques which enable them to work with the most challenging neurological and cognitive disabilities to successfully record EEGs and PSGs on these special patients. For technologists who must set up pediatric patients for EEGs, Long Term Monitoring, PSGs or IOMN, this will be a valuable and interactive session.

FRIDAY, AUGUST 2, 2013

Platform Presentations Track & Plenary Sessions

ELLEN GRASS LECTURE
Health Care Regulation and Legislation: Impact of Recent Changes on Our Jobs, Practice, and Patient Care
Marc Nuwer, MD
Dr. Nuwer will provide insight into the recent changes in reimbursement for common neurodiagnostic procedures, and the way that these changes will impact the way we deliver patient care.

Update: Qualifications for Neurophysiologic Personnel Project
Lucy Sullivan, R. EEG T., CLTM
Lucy Sullivan has been serving as the ASET staff liaison for the “Qualifications for Neurodiagnostic Personnel” project, which involves other stakeholders such as ACNS, ASNNM and AANEM to develop a series of job titles and qualifications for various neurodiagnostic technology positions. She will provide us with an update on this project.

Polygraphic Channel Overlay (PGCO) Can Expand EEG Analysis
Fumisuke Matsuo, MD
Digital EEG technology offers off-line reformatting, and EEG record can be re-created; something that was not possible with analog EEG recording. Polygraphic Channel Overlay can be included in off-line EEG analysis with definite advantages. Conventional polygraphic display limits space assigned to each channel by imposing limits to gain and attenuating slow waves. PGCO superimposes all EEG data channels referenced to common reference. This program makes it easy to identify EEG segments with non-cerebral activity and enhances recognition of patterns such as periodic discharges and triphasic waves.

Health Care in the Last Frontier
Robert Rotzler
A Native Alaskan and a neurodiagnostic technologist author Robert Rotzler will present an overview of his unique health care facility, “The Alaska Native Medical Center” which serves the local native population. Sensitivity and flexibility is essential to provide care to a widely distributed population, with transportation challenges inherent to Alaska. Health Care Literacy is built into all programs and hospital staff provide comprehensive patient education to their patients.

Electroencephalographic and Clinical Findings in 37 Dogs and 4 Cats
William Bush, VMD, DACVIM
In his veterinary practice, Dr. Bush has recorded EEG in cats and dogs. He has reviewed the findings and will discuss the clinical utility of EEG to aid in the diagnosis of seizures in dogs and cats. Video clips and EEG samples will be included. He will also discuss recording techniques.

2013 ASSET ANNUAL SYMPOSIUM
“Doing More With Less and Reducing the Stress: Preventing Burnout”
We are entering a new territory as we find ourselves coping with changes in our roles as a result of the Affordable Health Care Act. We face new and challenging demands as we strive to achieve the highest level of patient satisfaction while providing comprehensive neurophysiology services. We may be asked to make weekend and late afternoon appointments available to better serve our patients, reduce the wait time for testing and complete diagnostic testing quickly to reduce emergency room and in-patient volume. We also face possible reduction in staffing, and reduction in budget for supplies and equipment as our administrators react to reduced payment for services. How will we cope? We will hear from panelists including a neurodiagnostic lab manager, a staff technologist and a professional counselor specializing in workplace stress reduction.

Current Trends in IOMN
Robert Holdefer, PhD, DABNIM
Dr. Holdefer specializes in IOMN and is an Assistant Professor at the University of Washington School of Medicine. His presentation will provide an overview of the newest trends in IOMN, including new ways to monitor traditional surgical procedures, and innovative monitoring for new surgical procedures that may soon become commonplace.

Spine Procedures and Instrumentation
Clare Gale, R. EEG/EPT, CNIM, FASNIM, CRTT
Clare is widely recognized as a gifted educator in the field of IOMN. She will explain surgical procedures that are commonly used to correct injuries and malformations of the spine, and provide an in-depth understanding of the instrumentation that surgeons use during these procedures. The goal of this presentation is to familiarize technologists with the instruments and techniques so that they will be able to determine what is going on in the surgical field and correlate that information with the waveforms they are recording.

Anesthesia and Intraoperative Neuromonitoring
Corrie Anderson, MD
Understanding the relationship between IOMN and anesthesia is key to a successful monitoring session. This informative presentation will cover various anesthetic options and the way in which they may affect the waveforms we monitor, and the patient’s homestasis. Dr. Anderson is Board Certified in Anesthesiology and practices at Seattle Children’s Hospital.

Intraoperative Monitoring for Brain Aneurysm and Endovascular Procedures
Jeff Balzer, PhD, DABNIM
Back by popular demand, Dr. Balzer is a dynamic speaker whose enthusiasm brings a special energy to his discussion. This lecture will provide an in-depth understanding of the techniques used to surgically repair a brain aneurysm and how to effectively monitor pathways that may be at risk during the procedure. He will also discuss IOMN techniques that can be used during various endovascular procedures.

Workshop: Solving Problems in IOMN
Erica Seagrave, R. EEG/EPT, CNIM
This will be an interactive workshop. Through case studies and examples of IOMN recordings, Erica will ask the audience to discuss what could have wrong during the surgery, and provide input regarding ways to resolve the problems. Since everyone who has been in IOMN has a few war stories to tell, participants can share their own experiences and discover how to handle similar situations in the OR.

Evoked Potentials Course Track

VEPs
Larry Head, R. EEG/EPT, CNIM, RPSTG, RST, FASET
Larry is a favorite educator and he will make this discussion about the basics of VEPs fun and interesting! He will review the anatomy and function of the optic pathway and explain the technical aspects of recording a visual evoked potential including: testing acuity, determining visual angle, selecting the appropriate stimulus parameters, when to add hemi-field stimulation and how to obtain optimal results.

SSEPs
Denise Bates, R. EP T., CNIM, MBA
Whether you perform SSEPs in the clinical setting or in the OR, whether you are preparing for the R. EP T. exam or the CNIM exam; you will benefit from this in-depth explanation of the theory behind SSEPs. This lecture will include a discussion of the peripheral and central nerve pathways involved in SSEPs, identification of stimulation and recording sites, and selection of recording parameters, and technical troubleshooting to maximize results.

BAEPs
Mark Ryland, R. EP T., R.N.C.S.T., CNCT, RPSTG, AuD
In this presentation Mark will provide a basic overview of the anatomy of the auditory pathway as well as the technical aspects of recording a BAEP, including selecting appropriate stimulation and instrument settings, and testing the hearing threshold. He will include a discussion of normal and abnormal BAEP findings. Mark has achieved a doctorate in Audiology and is an instructor at the Cuyahoga Community College Neurodiagnostic Program. He has received the Theta Sanit outstanding educator award in 2011 and is one of the most dynamic speakers you’ll ever meet!
SESSION DESCRIPTIONS CONTINUED

Hands on EP Workshop: VEPs, BAEPs, SSEPs
All NCS Faculty

There will be three workstations, one for each modality. Participants may spend time at each of these stations as long as they wish to customize their learning experience as they try some hands-on recording techniques with the help of our expert faculty.

EEG Key Topics Course Track

Pitfalls of EEG Recording Techniques
Eliz Mizrahi, MD

Through case studies and showing examples of EEG recording, Dr. Mizrahi will demonstrate common pitfalls in EEG recording techniques and provide solutions to improve troubleshooting and use of critical thinking skills to customize each recording for optimal results. Dr. Mizrahi brings years of experience as an epileptologist and EEG reader to this discussion.

EEG Case Studies with Imaging and Clinical Correlations
Mark Stecker, MD

This will be a fascinating presentation with a wide variety of EEG case studies which will include the EEG findings, clinical correlations and imaging studies. Dr. Stecker will explain the connection between all of these pieces of the puzzle which leads to the diagnosis and treatment of each patient. You will learn as the neurology residents learn, not just about EEG but putting together the big picture. Dr. Stecker is an engaging speaker and is Chair of the Neuroscience Department at Winthrop University Hospital on Long Island, N.Y. He has a keen interest in IONM, EPs and clinical EEG and has authored over 80 scientific papers.

The EEG in Coma
Nikes Ardesha, MD

Dr. Ardesha comes to us from Spectrum Health in Grand Rapids, MI, where he is Director of the Epilepsy Monitoring Unit there. He will discuss various EEG findings in the comatose patient and how the EEG can be used as a prognostic tool. This lecture will demonstrate the value of the EEG in assessment of coma and will include interesting case studies.

Neurological Disease States and EEG Findings in the Geriatric Patient Population
Sherry Nehamkin, R. EEG/PET T., CNIM, CLTM, FASET

As the population of elderly Americans increases, this is now statistically the largest group of patients with new onset of seizures, secondary to strokes and other neurological diseases. It is important to have a good working knowledge of the neurological conditions that we can expect to see, as well as the EEG findings for these disorders. Sherry works at the Cleveland Clinic where she sees many elderly patients and she will be able to share a wide variety of case studies in her presentation.

“Rare, with a side of EEG, please” Rare Diseases and Syndromes
Jennifer Walcoff, R. EEG T., CNIM

Jennifer has a great menu of rare neurological syndromes to share with you that typically require an EEG as part of the diagnostic work-up. You may see patients with these diseases referred to your lab for an EEG! She will include a discussion of such entities as: Creutzfeldt-Jakob Disease, Klüver-Bucy Syndrome, Moyamoya Disease, Paraneoplastic Syndrome (seen in older adults), Ramsey Hunt I (early adulthood), Sandhoff Disease Type III.

SATURDAY, AUGUST 3, 2013

Platform Presentations Track & Plenary Sessions

KATHLEEN MEARLS MEMORIAL LECTURE: Personal Accountability: Your Key to Survival in Health Care Reform
Sabrina Galloway, R. EEG/PET T., CNIM, CLTM, BS

Ms. Galloway discusses how the financial constraints in the funding of health care will once more alter the patterns of delivery and challenge practitioners to maintain superior care. For success, close examination of routine workflows, recognizing and solving existing delivery limitations, developing team care coordination, and increasing the NDT professional’s profile within the work environment will be required. Become “Accountable”; to manage costs and care.

Potential – We All Have It!
Dorothy J. Galter, R. EEG T., R.NCS.T., CNCT, FASET, MHA

The word Potential, describes many things, for example, Evoked Potentials or potential danger to safety, potential to be victorious or not. However, this is about human potential and the possibilities are endless, the capability of becoming or being more than one could think possible. Potential defined as being an unrealized or unused skill or attribute. What potential of leadership, excellence or ability that is dormant and has not been developed to its full potential in you?

Neurodiagnostic History Comes Alive
Lucy Sullivan, R. EEG T., CLTM

Lucy Sullivan has been conducting interviews of neurodiagnostic pioneers and innovators as part of the initiatives of the ASET Historical Advisory Committee. These recorded sessions will be archived at the Smithsonian Institution and by ASET. The interview questions were developed by the Smithsonian Institution. Thirteen interviews were conducted in 2012. Excerpts from these interviews which describe the early days of clinical EEG and the development of other modalities from a technologist, physician, and engineer view will be shared. And how the pioneers answered the question “Where do you see neurodiagnostics in 10 years?” is intriguing and will be revealed.

Comparison of De-artifacting Techniques: PCS, ICA and Epoch Cutting
Jay Gunkelman BS, Q-EEG Diplomate

There are some additional levels of analysis of the EEG that require a “clean EEG”, meaning the EEG signal without any artifacts. As Technologists, it is important to be familiar with these techniques if they are required by the ordering physician, who will merely require the cleaned data, and not necessarily specify the technique. Classical EEG de-artifacting required the technologist to identify the artifact and “cut out” the time segment. More modern approaches have used digital signal processing in attempts to remove the artifact, while leaving the underlying EEG time series unaffected. This abstract will demonstrate some advanced techniques in artifact removal.

Utilizing the Q-EEG to Develop Clinical Neuromodulatory Protocols
Cynthia Kerson, PhD

Clinicians using neuromodulatory approaches for brain-based disorders rely upon EEG findings. Quantifying the EEG articulates deviation from normative records, furthering the accuracy of the treatment design. Neuromodulatory approaches, from neurofeedback to brain entrainment; CES (cranial electrical stimulation) and IEDS (transcranial direct current stimulation) are based upon these QEEG findings. Thus, understanding the brain maps, spectral displays and other analysis tools provided in a QEEG is essential. A brief overview of brain map sample images will be presented as well as a demonstration of two QEEG map reports and discussion about the neuromodulatory approaches that were derived from them.

Why Do Research and How to Start the Process
Peta Davidson, R. EEG/PET T., BS

Research in our field is growing. This research strengthens the validity of our test results. Through research, we can hone in on the important activation procedures and eliminate unspecific or unwanted procedures. This presentation will highlight several additional reasons to join in or initiate research. Petra works in the neurodiagnostic lab at Mayo Clinic in Mankato, MN. She has a special interest in doing research and is involved with research projects in her lab.

Advanced IOM Course Track

Managing Tumors in the Brain, Spine and Peripheral Nerves
Cory Adamson, MD, PhD, MHSc, MPH

Dr. Adamson is a neurosurgeon at Duke University where he specializes in surgical treatment of brain tumors, including primary, secondary, skull-based, and pituitary, as well as tumors stemming from other nervous system structures. He also manages a research laboratory to explore the genes responsible for the development tumors in the brain. He is a dynamic speaker and will explain the methods of treatment for neurological cancer, and the role of IOM in tumor resection.

From Useful to Novel Strategies for IOM: New Approaches
Dennis Turner, MD

Dr. Turner also practices neurosurgery at Duke University. His special interests are in movement disorders, stereotactic neurosurgery, complex spine abnormalities. Surgical procedures he will discuss include innovative techniques such as deep brain stimulation for Parkinson’s and depression, sensory restoration for development of brain machine interfaces and new approaches in surgical treatment.

Peripheral Nerve IONM
Greg Niznik, CNIM, DABIM

Intrathecal Neuromonitoring for peripheral nerves can be the most challenging! There are a wide variety of nerves to cover and it takes time to develop skills and knowledge to monitor each individually and often multimodality monitoring is required. Greg Niznik will share his expertise and explain a variety of monitoring techniques and show examples of cases.

Brainstem Anatomy and Physiology and IONM
James Watt, CNIM

While most IONM technologists are most familiar with monitoring during spine surgery, occasionally a case comes through that requires a totally different skill set. This presentation will help you to be prepared to monitor surgery involving the brainstem. This can be a very delicate and complex procedure, and Greg will explain the structures involved and monitoring techniques in this informative lecture.

IONM Lab Accreditation
Jaime Lopez, MD

Many ASET members know Dr. Lopez as an IONM specialist at UCLA and talented educator. He is an advocate for the accreditation of IONM Programs and will explain the process that ABRET has in place for accreditation and discuss the value of accreditation for the future, in the setting of health care reform.

Tools for Advancing Your Career: Professional Development Course Track

CPT Coding Workshop
Kathryn Hansen, R. EEG T., BS, CPC

Kathryn is back by popular demand and we followed the suggestions on last year’s evaluations to give her more time for this essential topic! With new billing and coding rules in place, it is important to understand these changes so that billing for neurodiagnostic procedures will be done correctly, and lead to an improved income stream. In this prolonged workshop session scheduled for the entire morning, Kathryn can cover new codes in all neurodiagnostic modalities and she encourages you to customize your learning by bringing your billing cases to the discussion.
SESSION DESCRIPTIONS

Essential Tools for Managers
T.J. Amdurs, R. EEG T., MS
If your career plans include taking on a management role in the Neurodiagnostic Lab, you will need to develop some essential skills to help you be an effective leader. These tools are just as important to the manager as a carpenter’s tools are to a skilled craftsman! T.J. will help you develop your very own managerial toolkit to give you an advantage in your leadership role, now or in the future!

The Image Tool Kit: Etiquette and Professional Protocol
Elizabeth Mullikin, R. EEG/EP T., CNIM, FACHE, MA, MNM
Developing a professional image and impression will get you noticed in a positive way in the workplace. The way you dress and speak will make a difference when dealing with administration, patients and colleagues. Etiquette is ethical behavior on an everyday basis. By developing a very professional image you will improve communications and teamwork and patients will notice. A special event during this presentation may include a live “makeover” for a gent and a lady so don’t miss it!

ICU Monitoring Course Track

Neuro ICU Case Presentations: Utilization of Neurotelemetry
Ryan Lau, R. EEG/EP T., CNIM, CLTM, MS
Ryan manages one of the largest and most state-of-the-art Neuro ICU services in the nation. He will share his expertise and experiences with technologists as he presents a variety of interesting cases that will highlight the value of continuous EEG recording in the critically ill patient. The incredible volume of cases recorded at the Indiana University will provide an opportunity to learn about rare patterns, artifacts and unique situations.

Electrode Application Options for cEEG in the ICU
Leah Hanson, R. EEG/EP T.
Whenever NDT techs get together to discuss continuous EEG in the ICU, the topic of electrodes always comes up. What kind to use? Which is best to reduce skin breakdown? How to find MRI compatible leads? Are disposable leads a viable option? Is collodion the best application method? Leah will explain the features of various electrode types, and application methods that are available to technologists now, and how to optimize recordings, reduce call-back to fix or reapply leads and prevent patient injury.

The Team Approach to ICU Monitoring
Sabrina Galloway, R. EEG/EP T., CNIM, CLTM, BS
Sabrina has been interested in ICU EEG for many years, and has followed this specialty closely as it went from serial EEGs to continuous monitoring as a standard of practice. Her perspective is that neurointensivists recognize the value of the highly skilled neurodiagnostic technologist and that we are a key component of the Neuro ICU Team. She will discuss staffing models and ways in which we can place ourselves as a key part of this team for the future.

Multimodality Functional and Metabolic Monitoring Strategies for Stroke/Epilepsy/Head Injury
Dennis Turner, MD
Dr. Turner is a neurosurgeon at Duke University where he participates in innovative assessment of patients with significant neurological injuries and insults. He will explain the array of modalities that are used to monitor the neurological status of these patients, which will enhance the information we gather from the EEG monitoring.

Neuro Intensive ICU Protocol
Jason Alster, MSc
This lecture will provide an overview of a comprehensive ICU EEG Monitoring Protocol, which was developed by Jason to address the need for this document at his neurodiagnostic lab. The protocol addresses issues such as artifact recognition, troubleshooting and working around ancillary equipment. Jason has a Master’s Degree with a concentration in Neurophysiology, and has extensive experience in neurodiagnostics.

SESSION PRESENTATIONS

THURSDAY, AUGUST 1
9:30 - 10:30 a.m.; 3:00 - 4:00 p.m.

FRIDAY, AUGUST 2
10:05 - 11:00 a.m.

ASET poster sessions visually present information on a variety of topics - from an original study or research, to evaluation of a method, device or protocol, to offering a report on an uncommon clinical case. Poster authors will be on hand to discuss their findings or data wth attendees in an informal venue.

• Reducing the Incidence of Skin Breakdown in Neurotelemetry Patients
  Sara Brown, MPH
• Overview of Using T1 & T2 and 10/10 Subtemporal Electrode Chains for Localizing EEG Abnormalities
  Susan Feravich, R. EEG T., CLTM, BS
• Annals for the Anal Sphincter with Sacral Surgery for Tarlov Cysts
  Cyndi Miller, R. EEG T., R.NCS.T., CNIM
• Magnetoencephalography and its Application to Epilepsy Surgery
  Daphne Hart, R. EEG T., BA
• Asystole in the LTM Unit: What Would You Do?
  Stephanie Jordan, R. EEG/EP T., CNIM, CLTM
• The Role of IONM in Hybrid Approach to Thoracoabdominal Aortic Aneurysm Repair
  Emily Kale, CNIM, BS and Aatif M. Husain, MD
• Intracranial EEG and Cortical Mapping: Seizure Spread Through Mesial Tracts
  Crystal Keller, R. EEG T., CLTM, BA
• Critical Role of IONM in the Early Detection of Cerebrovascular Ischemia in the Endovascular Suite
  Dru Sigman, CNIM, BA
• The Brain Team: A Case Review
  Kristin Siebenlist, R. EEG/EP T., RPSGT, RST, BA
• The Establishment of Normal Value Ranges for Clinical Testing of SSEPs
  Jennifer Thomas, R. EP T., BA
• Protracted Post-Ictal Trismus
  Muhammad Khan, MD
• Lennox-Gastaut Syndrome Associated with Dysgenesis of the Corpus Collosum
  Muhammad Khan, MD
NETWORKING & SPECIAL ACTIVITIES

EXHIBIT HALL WELCOME RECEPTION
Thursday, August 1
6:00 p.m. – 7:30 p.m.

This reception offers attendees an opportunity to meet new friends, renew old acquaintances, and explore the exhibit hall in a relaxed and casual atmosphere. Leading companies providing services, equipment, and supplies to the Neurodiagnostic profession will be on hand to answer your questions, and show you what’s new in the industry! Light hors d’oeuvres will be served and a cash bar will be available. The Exhibit Hall Reception is included with a Full 3-day registration, and Guest Passes.

While the exhibit hall is open you will have an opportunity to record your visit with each vendor, which will then be entered into a drawing for a chance to win full registration to ASET’s 2014 Annual Conference.

ASET FOUNDATION SILENT AUCTION
Preparations are now underway for the Silent Auction to be held at the ASET 2013 Annual Conference. Items for the silent auction will be on display in the exhibit hall. Bidding will open at the Exhibit Hall Opening on Thursday morning and continue during all exhibit hall hours. The silent auction will be closed-out – and funds collected – during the final 20-minutes of the Friday morning coffee break in the exhibit hall.

The Foundation’s silent auction is its largest annual fundraising event. Now more than ever we need your help and generosity to make this event successful. Please consider donating one or more items for the auction. Past popular items have included electronics (iPods, digital cameras, pocket camcorders, wireless reading devices), jewelry, and gift baskets. To make a donation, download the donation form (www.asetfoundation.org/downloads) and return to the Foundation no later than July 15, 2013.

ANNUAL BUSINESS MEETING AND AWARDS LUNCHEON
Friday, August 2
12:00 p.m. – 2:00 p.m.

The Annual Business Meeting & Awards Luncheon is an important event not to be missed. This is your opportunity to hear about the state of affairs of ASET and bring up any new business before the Society. Hear the annual reports of the ASET President, Secretary-Treasurer, and ASET Foundation Chair, and witness the installation of the newly elected officers and trustees to the ASET board. In addition to the annual reports, several important measures will be placed before the membership for a vote, including an amendment to the bylaws extending voting rights to all Institutional members. The awards portion of the program will include presentations of the prestigious Maureen Berkeley Memorial Award, Theda Sannit Outstanding Educator Award, Janet Ghigo Award and the inductees into the second class of Fellows. All conferees are invited to attend and the event is included in the conference registration fee but only Active, Associate, Student, Lifetime, Emeritus and designated voting representatives of Institutional members in good standing of the Society attending the meeting will constitute the voting body.

AN EVENING WITH THE DENDRITES
Friday, August 2
7:30 - 10:00 p.m.
(Free to all conferees)

After dinner and before you retire for the night, join us for an evening of networking and entertainment. Bring your dancing shoes as live music will be provided by ASET’s very own member band, The Dendrites. Plus, showcase your own musical styling and talent by participating in the Karaoke performances that will be held between band breaks. A cash bar will be available.

INTEREST SECTION LUNCHEON
Saturday, August 3
12:00 p.m. – 1:00 p.m.

From Acute/Critical Care Neurodiagnostics and Computers in the Workplace to Pediatrics and Neonatology, and Polysomnography/Sleep Technology, the ASET Interest Section briefings in ASET news and Interest Section forums on the ASET website are great sources for information sharing and getting answers to your questions. ASET’s Interest Sections are led by highly qualified and knowledgeable technologists who can help address your issues and questions – as well as direct you to other invaluable resources. Now you have the ability to ask questions in person at the Saturday conference luncheon. Registration is not required. All you need do is select the luncheon table representing the section in which you have an interest and then share your questions, feedback, and suggestions.

SYNAPSE BOWL
Saturday, August 3
2:30 p.m. – 4:00 p.m.

ASET’s third annual Synapse Bowl promises to be fun-filled event with educational value! Using a quiz bowl format, two teams at a time will compete. Jeopardy-style questions covering neurophysiology and neurodiagnostic technology will be asked. The winning team will go on to the next round, until the championship team is determined. Prizes will be awarded to the winning team.

This is the most fun you will ever have acquiring ACE credits! We premiered this event two years ago, and we are bringing it back by popular demand! Judge Judy will preside.

Start putting your group together now and choose a team name! The more areas of expertise you can cover with your team-of-four, the stronger your team will be! The deadline for registering for the competition is June 15th! Visit www.aset.org/synapsebowl to sign your team up to participate today!
**VOLUNTEER & LEADERSHIP DEVELOPMENT BOOTH**
Visit the ASET Volunteer Leadership & Development Committee booth in the exhibit hall for information on how you can become more involved with your professional organization. Find out what committees and task forces are in need of your expertise and a match for your interest areas. Be part of the team that is leading the neurodiagnostic profession into the future. Member volunteer sign-up forms will be available.

**GRASSROOTS WATERING HOLE**
*What is Grassroots?* ASET’s Grassroots campaign is an effort to proactively secure the future of neurodiagnostic professionals by growing respect and power through numbers.

*Why does this concern you?* Because as a neurodiagnostic professional, issues such as licensure and healthcare reform can impact your right to practice neurodiagnostics.

Stop by the Grassroots Watering Hole in the Exhibit Hall to learn more about the campaign and ASET’s critical end to achieve state licensure for neurodiagnostic technologists in at least some states by 2015. This year the Grassroots Watering Hole will be collecting information on who you may know – be it a relative, family friend or neighbor – who holds a position in your state legislature. Copies of ASET’s new *Point of Contact Handbook*, a step-by-step guideline that makes it easy for you to build relationships with legislators and their staff, will be available for all who visit the booth. Members of the ASET Grassroots Committee and Governmental Advocacy Committee will be on hand to answer questions and provide additional tips on how you can help achieve licensure for the profession.

**BUDDY SYSTEM FOR FIRST-TIME ATTENDEES**
The ASET Annual Conference offers a tremendous education, training, and networking environment. But with so many courses, presentations, and activities to choose from, it also can be a little daunting and perplexing if you have never before attended the event. To help first time attendees maneuver their way through the conference and to get the most out of the event, we are again orchestrating a “buddy system” for the 2013 Annual Conference. To participate, make sure you mark the “First Time Attendee” box on the registration form. You will have the opportunity to be paired up with a mentor at Thursday’s “Meet and Greet” conference luncheon.

**ANNUAL CONFERENCE SHIRTS**
ASET has once again teamed up with Cadwell Laboratories to provide all attendees with a complimentary 2013 Annual Conference t-shirt. Please choose your desired size when registering and remember to stop by Cadwell’s booth in the exhibit hall to show your appreciation for their continued support of ASET and the neurodiagnostic community. The t-shirts are 100% pre-shrunk cotton with the 2013 Annual Conference logo on the front. Your registration must be received by June 30th to ensure you get your preferred size.

**EXHIBIT HALL HOURS**

**THURSDAY, AUGUST 1**
9:30 a.m. - 12:30 p.m.  
1:30 - 4:00 p.m.  
6:00 - 7:30 p.m. (reception)

**FRIDAY, AUGUST 2**
9:00 - 11:15 a.m.

**PARTIAL LIST OF COMPANIES THAT WILL BE EXHIBITING:**
(as of 5/6/2013)

- ABRET
- Ad-Tech Medical Instrument Corporation
- AMBU, Inc.
- Aureus Medical Group
- Blackrock Neuromed
- Cadwell Laboratories, Inc.
- China Qingdao Bright Medical Manufacturing Co., Ltd
- Electrical Geodesics, Inc. (EGI)
- Evokes, Inc.
- Faith Medical, Inc
- Ives EEG Solutions
- KEGO FMI
- Knowledge Plus, Inc.
- Lifelines Neurodiagnostic Systems, Inc
- Medtronic
- MVAP Medical Supplies, Inc.
- Persyst
- PMT Corporation
- Rhythmlink International
- Rochester Electro-Medical, Inc.
- Specialty Care
- Weaver and Company
Registration Form
August 1-3, 2013
Peppermill Resort Spa Casino ● Reno, NV

This form can be photocopied for each attendee.
All items marked with an asterisk (*) are required.

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<td>$250</td>
<td>$125</td>
</tr>
<tr>
<td>Non-member</td>
<td>$300</td>
<td>$125</td>
</tr>
</tbody>
</table>

| GRAND TOTAL | $ |

See other side for payment options

Please note that special events are NOT included in the registrations fees unless otherwise noted.

†An additional $35 fee will be applied to all onsite registrations.
*Required field, confirmation of registration will be sent via email.
***Included with purchase of Full 3-Day Registration only.
***Guest Pass includes admittance to the exhibit hall reception and lunch on Thurs., Fri. and Sat.

QUESTIONS? Contact ASET at 816.931.1120 or info@aset.org

ASET 2013 ANNUAL CONFERENCE ● AUGUST 1-3
Peppermill Resort Spa Casino ● Reno, NV
COURSE ATTENDANCE
Attendees have the option of moving between the various courses. If you have special accessibility or dietary restrictions, please inform the ASET staff.

CONTINUING EDUCATION CREDITS
ASET continuing education credits will be awarded to participants. Approximately 22 ACE credits will be awarded for the conference.

CANCELLATION POLICIES
• All cancellations must be made in writing and must be received by ASET no later than June 30, 2013.
• Written notice of cancellation received by ASET on or before June 30, 2013 will result in a full refund of fees paid less a $50 processing fee.
• Written notice of cancellation received by ASET after June 30, 2013 will result in no refund.

CONSENT TO USE PHOTOGRAPHIC IMAGES
Registration and attendance at, or participation in, the ASET 2013 Annual Conference constitutes an agreement by the registrant to ASET’s use and distribution (both now and in the future) of the registrant’s image or voice in photographs, videotapes, and electronic reproductions and audio tapes of the conference and its related activities.

QUESTIONS?
Contact ASET at 816.931.1120 or info@aset.org

Return your completed registration form with payment to:
ASET – The Neurodiagnostic Society
402 East Bannister Road, Suite A, Kansas City, MO 64131-3019 • Fax: 816.931.1115 • P.O. Box 741535 • Fed ID# 74-1553534
CONFIRMATION NOTICE
Registrations are normally processed within seven business days of receipt. A confirmation letter will be emailed once the registration has been processed. Please bring a copy of your registration confirmation with you to the pre-registration booth.

Pre-registration will be open during the following hours:
Wednesday: July 31………………...6 p.m. - 8 p.m.
Thursday: August 1…………………...7 a.m. - 6 p.m.
Friday: August 2…………………...7 a.m. - 5 p.m.
Saturday: August 3…………………7:30 a.m. - 2 p.m.

REGISTRATION POLICIES
- Participants are urged to register online at www.aset.org.
- To register, payment must accompany your registration form. No registrations will be processed without payment.
- The full meeting registration fee includes a flash drive containing the course handouts, attendance and tickets to the plenary session lectures, course learning labs, exhibit hall reception Thursday evening, and food functions Thursday through Saturday.
- Registration fees for one or two-day attendance include a flash drive containing the course handouts, admittance to plenary session lectures and courses for the day registered, and applicable food functions.
- Guest meal package includes admittance to the exhibit hall reception and lunch, Thursday through Saturday.
- Only those individuals who are registered and have an unaltered badge may attend ASET events, including spouses.
- Additional fees apply for the Sundown Seminars; refer to the meeting registration form for additional details.
- Attendees who lose their badge may be subject to a replacement fee.

CANCELLATION POLICIES
- All cancellations must be made in writing and must be mailed, faxed or emailed to the ASET Executive Office.
- Written notice of cancellation received by ASET on or before June 30, 2013, will result in a refund of fees paid less a $50 processing fee. There will be no refunds for cancellations received after June 30, 2013.
- Written notice of cancellation received by ASET on or before June 30, 2013, will result in a refund of fees paid less a $50 processing fee. There will be no refunds for cancellations received after June 30, 2013.
- CONTINUING EDUCATION CREDITS
- ASET continuing education credits will be awarded to participants. Approximately 8.25 ACE credits will be awarded for Thursday, 6.3 credits for Friday and 6 for Saturday. The Sundown Seminars will be awarded an additional 1.5 credits. You can earn up to 22 ACE Credits during this conference. Such crediting, however, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in the presentations.
- RECOMMENDED ATTIRE
- Business casual attire is strongly encouraged. Please dress comfortably to create the best learning environment. The August average daily high in Reno is 91 degrees. Temperatures at night average around 56 degrees. Please note, the meeting rooms may be cooler than expected. We suggest dressing in layers and bring a light jacket or sweater to keep you comfortable.

SPECIAL ASSISTANCE NEEDS
- If you require special assistance or dietary consideration, please complete the applicable section on the conference registration form, or call the ASET Executive Office at 816.931.1120, ext 2# or e-mail info@aset.org.

HOTEL ACCOMODATIONS AND RESERVATIONS
- All events will be held at: Peppermill Resort Spa Casino
  2707 South Virginia Street
  Reno, NV 89502
  800.282.2444
  www.peppermillreno.com

- The special conference guest room rates at the Peppermill are only $105, single or double occupancy, per night for rooms in the Peppermill Tower. Rooms in the all-suite Tuscan Tower begin at $145 per room per night based on availability. Rates quoted do not include the applicable county room tax of 13 percent per room, per night. The resort fee, which includes wireless Internet access in sleeping rooms and shuttle service to and from the airport, has been waived for ASET conference registrants. Check-in time is 3 p.m. and checkout is 11 a.m. The hotel has a $50 early departure fee. Room rates are subject to a $10 charge for each additional adult over double occupancy, to a maximum of four adults per room.

Reservations are to be made directly with the hotel before June 30, 2013, to secure the special conference rates. When making reservations, use the Group Code “ASSET13”. Reservations made after the June 30th cut-off date will be on a space-available basis and may not qualify for the conference rate.

TRANSPORTATION
- Local Ground Transportation
  The Peppermill features an easy and convenient airport shuttle for hotel guests, which departs from the airport going to the Peppermill every half-hour beginning at 4:15 am, and continuing to 11:45 pm. This shuttle picks-up at the North exit of the Baggage Claim area.

  In addition, the Peppermill offers a shuttle to the airport when you are ready to return home, which departs from the valet area outside the Hotel Lobby, and runs every half-hour beginning at 4 am. The last shuttle departs from the Peppermill going to the airport at 11:30 pm.

- Parking
  The Peppermill Resort Spa Casino offers complimentary garage and valet parking for hotel guests.