COMING TO ASHEVILLE 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 23 ASET-CEUs
- Explore historic Asheville

www.aset.org/annualmeeting

Presented by ASET - The Neurodiagnostic Society
Co-Sponsored by The Southern Society of Electroneurodiagnostic Technologists
GETTING EMPLOYER SUPPORT TO ATTEND THE ASET 2014 ANNUAL CONFERENCE

In the last several years travel and training budgets have been reduced and some hospitals or healthcare facilities are experiencing strict financial constraints.

Here are some additional tips on getting employer support for attending ASET’s 2014 Annual Conference.

• Focus on how your attendance at the conference will benefit the lab as a whole and the valuable information you will bring back.

• Explain what you will get from attending, such as continuing education credits (ASET-CEUs); a full 3-day registration is worth 21.5 ASET-CEUs!

• Offer to deliver a short presentation and Q&A to your co-workers on what you learned at the conference.

• As an attendee you will be provided a flash drive with the course handouts. Offer to share this material with your colleagues.

• Review the course schedule in advance and explain what you plan to attend, and how it will help you and your facility.

• Offer to share a hotel room with another attendee in order to decrease expenses.

• Be prepared with a plan for who will cover your work while you are away.

• Plan ahead to make sure you get registered at the discounted rate. The last day for the early-bird rate is July 1.

The three days during ASET’s 2014 Annual Conference will be the most cost-effective professional development choice you can make all year.

WHERE GREAT MINDS CONNECT

Make plans now to join us in Asheville, NC for ASET’s 55th Annual Conference. ASET has been providing neurodiagnostic technologists valuable education since 1959. Back by popular demand, and in an effort to honor your requests and make the national conference easier for busy technologists to attend the entire event, the conference is condensed 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 pages 3, 4, and 5. The special lectures listed on pages 6 and 7 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.

Nestled in the Blue Ridge Mountains of North Carolina, The Grove Park Inn is a beautiful, historic resort that has hosted many great minds from the past, including 10 presidents, Thomas Edison and F. Scott Fitzgerald. You can enjoy the panoramic view from a rocking chair on the porch or enjoy the world-class spa services. The resort has a great hall with a fireplace fit for a king, and several on-site dining options.

Downtown Asheville is a short ride away and offers a lively small-city scene. There is an art district and diverse food choices with many restaurants, bistro’s and brewpubs, steak, seafood and ethnic cuisine to suit every taste, whether you want a light meal or fine dining.

This is an ideal meeting location for those who wish to share the experience with family. Opportunities for adventure abound! There are many scenic hiking trails, natural water attractions, zip-line tours, and a world class golf course on the Grove Park property. The Grove Park Inn is only a 20 minute ride from the Asheville Regional Airport.

Come to the 55th ASET Annual Conference to learn with others. You will enjoy engaging presentations and discussions, networking and social events. Come for the inspiration and the promise of many wonderful memories. Come to connect!

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.
<table>
<thead>
<tr>
<th>Time</th>
<th>Platform Presentations Track</th>
<th>Plenary Session</th>
<th>Course Track</th>
<th>Course Track</th>
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</thead>
<tbody>
<tr>
<td>8:15 – 9:15 a.m.</td>
<td>ICU Monitoring Course Track</td>
<td>Lewis Kull Memorial Keynote Address</td>
<td>NCS Key Topics Course Track</td>
<td>Pediatric Neurodiagnostics Course Track</td>
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<tr>
<td>9:15 – 10:30 a.m.</td>
<td></td>
<td>“Combat Communication – Debriefing: Your Key to Improving Care While Managing Risk”</td>
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<td>The Corporate ACEs</td>
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<tr>
<td>11:00 – 11:30 a.m.</td>
<td>Reflex Epilepsy: A Look Past the Triggers</td>
<td>Cormac O’Donovan, MD</td>
<td>ICU Case Studies Suzette LaRoche, MD</td>
<td>ALS and Other Motor Neuron Diseases: Review and Electrodiagnostic Case Studies Jerry Morris, R.NCS.T., CNCT, MS</td>
</tr>
<tr>
<td>11:30 a.m. + Noon</td>
<td>Partner-SHIPs: Aligning Your Department with Administration for Smooth Sailing</td>
<td>Richard Foy, MBA, MSHA</td>
<td></td>
<td>Pediatric Epilepsies and Encephalopathies William Galentine, MD</td>
</tr>
<tr>
<td>Noon – 12:30 p.m.</td>
<td>Developments in Credentialing and Accreditation</td>
<td>Diane Liesen, R. EEG/EP T., CLTM, MA</td>
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<tr>
<td>12:30 – 1:30 p.m.</td>
<td>Meet &amp; Lunch</td>
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<tr>
<td>1:30 – 2:00 p.m.</td>
<td>Exploring the Relationship Between Intraoperative Blood Pressure and Evoked Potential Changes</td>
<td>Gail Hayden R. EEG/EP T., CNIM, FASET, MBA</td>
<td>ICU Monitoring in a General Neurology Practice Jennifer Jones, MD</td>
<td>Continuous EEG in the NICU: ACNS Guidelines and Recommendations Asim Shahid, MD</td>
</tr>
<tr>
<td>2:00 – 2:30 p.m.</td>
<td>The Utility of Motor Evoked Potentials for Femoral Nerve Protection in Retropertoneal Transposas Access to the Spine</td>
<td>Jon Block, DC, CNIM</td>
<td>ICU Cooling Protocol Rajdeep Singh, MD</td>
<td>Update on Neonatal EEG Set-up: Best Practices Susan Hollar, R. EEG T.</td>
</tr>
<tr>
<td>2:30 – 3:00 p.m.</td>
<td>Early Detection of Pedicle Screw Related Spinal Cord Injury with IONM</td>
<td>Faisal Jahangiri, MD, CNIM, DABINM, FASNM</td>
<td>NCS with Quality and Compassion Mary Ellen Wells, R. EEG T., R.NCS.T., RPSGT</td>
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<tr>
<td>3:00 – 4:10 p.m.</td>
<td>Break in Exhibit Hall with Poster Viewing</td>
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<tr>
<td>4:15 – 4:45 p.m.</td>
<td>Spinal Cord Stimulators: A New Approach</td>
<td>MeChelle Vance, R. EEG/EP T., CNIM, CLTM</td>
<td>Critical Care EEG Monitoring- Do We Need It? How Much Do We Need? Keith Drombrowski, MD</td>
<td>Hands on NCS Workshop Kevin Morley, R.NCS.T., CNCT Jerry Morris, R.NCS.T., CNCT, MS Mary Ellen Wells, R. EEG T., R.NCS.T., RPSGT</td>
</tr>
<tr>
<td>4:45 – 5:15 p.m.</td>
<td>Developing a Departmental Education &amp; Training Program with Annual Competency Assessments</td>
<td>Sabrina Faust, R. EEG/EP T., CNIM, CLTM</td>
<td>ICU EEG for Non-Convulsive Seizures Amu Arain, MD</td>
<td>Alternatives to Sedation Petra Davidson, R. EEG/EP T., BS</td>
</tr>
<tr>
<td>5:15 – 5:45 p.m.</td>
<td>ABSTRACT</td>
<td>TBA</td>
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<tr>
<td>6:00 – 7:30 p.m.</td>
<td>Exhibit Hall Welcome Reception</td>
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### Schedule of Events

**Friday, August 22**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 – 9:00 a.m.</td>
<td><strong>Plenary Session</strong>&lt;br&gt;Ellen Grass Lecture: “Determining Death by Neurological Criteria: Not So Simple”&lt;br&gt;Stuart Youngner, MD</td>
</tr>
<tr>
<td>9:05 - 10:05 a.m.</td>
<td>Break in Exhibit Hall with Poster Viewing</td>
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<tr>
<td>10:10 – 10:40 a.m.</td>
<td>Sedation: When Absolutely Necessary There Are New Options For Better Patient Care&lt;br&gt;Petra N. Davidson, R. EEG/EP T., BS</td>
</tr>
<tr>
<td>10:40 - 11:10 a.m.</td>
<td>Induction of Non-Epileptic Seizures in Pediatric Patients: The EEG Technologist’s Role&lt;br&gt;Tenley Newton, R. EEG T.</td>
</tr>
<tr>
<td>11:10 – 11:40 a.m.</td>
<td>Knowing How to Argue&lt;br&gt;Anna-Marie Beck, R. EEG T.</td>
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<tr>
<td>11:40 a.m. – 12:10 p.m.</td>
<td>EEG in Zambia&lt;br&gt;Jack Connolly, R. EEG T., BSIT</td>
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<tr>
<td>12:10 – 2:05 p.m.</td>
<td>Annual Business Meeting &amp; Awards Luncheon</td>
</tr>
<tr>
<td>2:15 – 2:45 p.m.</td>
<td>A Bachelor’s Degree Program for the Neuromonitorist&lt;br&gt;Joshua Mergos, CNIM, MS</td>
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<tr>
<td>2:45 – 3:15 p.m.</td>
<td>ABSTRACT&lt;br&gt;TBA</td>
</tr>
<tr>
<td>3:15 – 3:45 p.m.</td>
<td>ABSTRACT&lt;br&gt;TBA</td>
</tr>
<tr>
<td>3:45 – 4:15 p.m.</td>
<td>ABSTRACT&lt;br&gt;TBA</td>
</tr>
<tr>
<td>5:00 – 6:30 p.m.</td>
<td>Sundown Seminars (ticketed event) - $30&lt;br&gt;Sponsored by SSET</td>
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</tbody>
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**Program Committee**<br>Karolyn Witcher, R. EEG T., CNIM, R.NCS.T., CNCT, CLTM<br>Margaret Walcoff, R. EEG/EP T., CNIM, FASET, Med<br>

**Course Director:**<br>Mike Bechel, R. EEG/EP T., CNIM, R.NCS.T., CNCT, AA<br>

**Course Director:**<br>Kay Bechel, R. EEG/EP T., R.NCS.T., CNCT, AA<br>

**Course Director:**<br>Kelly Clement, R. EEG T., CNIM
<table>
<thead>
<tr>
<th>Time</th>
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| 8:00 – 9:00 a.m. | Autonomic Mini-Course  
Plenary Session  
Kathleen Mears Memorial Lecture  
"I Can Do That! Skill-building through Volunteering"  
Kathy Johnson, R. EEG/EP T., RPSGT, FASET |
| 9:10 – 10:10 a.m. | Course Track  
Advanced IONM  
Course Track  
Meet MEG: MagnetoEncephaloGraphy  
J.P. Lowe, R. EEG/EP T., CNIM, CLTM  
Hisaki Fujiwara, R. EEG/EP T., CLTM,  
RPSGT, BS  
Susan Bowyer, PhD  
You Make the Call:  
Interactive Review of LTM Case Studies  
Kirsten Yelvington, R. EEG T., CLTM |
| 9:10 – 10:30 a.m. | Break |
| 10:30 – 11:15 a.m. | Course Track  
Autonomic Nervous System Function and Disorders  
Amanda Peltier, MD  
High Density EEG/ECoG for Long Term Dynamic Analysis of Network Brain Function and Psychiatric Disease Signatures  
Dennis Turner, MD  
TCD: Current Method for Use in the OR and ICU  
Jeff Balzer, PhD, DABNM, FASNM  
Language Mapping for LTM  
Sandra Serafini, PhD |
| 11:15 a.m. – noon | Case Studies: Autonomic Disease and Diagnosis  
Amanda Peltier, MD  
Testing Screws: Cervical to Lumbar  
Chris Slaymaker, CNIM  
Value Based Purchasing, Patient Satisfaction and Your Neurodiagnostic Department: Help, Please!  
Ryan Lau, R. EEG/EP T., CNIM, CLTM,  
FASET, MS  
New Treatments for Refractory Seizures  
Saurabh Sinha, MD, PhD |
| Noon – 1:00 p.m. | Interest Section Lunch |
| 1:00 – 1:45 p.m. | Course Track  
Intraoperative Neuropysiologic Methods for Spinal Cord Stimulator Placement Under General Anesthesia  
Jay Shils, PhD  
Sign of the Times: Where Do I Go From Here? Secrets to a Successful Job Transition during Turbulent Times  
Dorothy Gailer, R. EEG T., R.NCS.T.,  
CNCT, FASET, MHA  
Elizabeth Mullikin, R. EEG/EP T., CNIM,  
FASET, FACHE MA, MPA, MNM  
Update on SUDEP  
Rod Radtke, MD |
| 1:45 – 2:30 p.m. | Course Track  
IONM for Thyroidectomies: What You Need to Know  
Greg Niznick, CNIM, DABNM  
Making Headlines: Traumatic Brain Injury and Chronic Traumatic Encephalopathy  
Sherry Nehamkin, R. EEG/EP T., CNIM,  
CLTM, FASET  
New Onset Refractory Status Epilepticus: NORSE Syndrome  
Melissa Moreda, RN, BSN, CNRN |
| 2:30 – 4:00 p.m. | Synapse Bowl and Closing Ceremony |
Meet the Corporate ACEs

The Corporate ACEs are a team of ex-military pilots who have used their training for combat readiness and flights into battle to help health care workers reduce risk and improve patient outcome. They teach “Situation Awareness” skills, to help staff comply with protocols, communicate correctly and make the right decisions in stressful situations when every minute counts. You will learn how to:

- Recognize the potential for errors
- Debrief your team after an error to build sustainable improvements in performance and patient outcome
- Communicate correctly: speak to the correct person, at the correct time and the correct way to ensure that the patient care team will understand the situation and carry out the correct actions in the most urgent patient care scenarios

You will be able to apply these skills in your everyday work as a neurodiagnostic technologist: ensuring patient safety in the Epilepsy Monitoring Unit, communicating with the surgical team as you provide intraoperative neuromonitoring, or during a medical emergency in your lab.

**Meet the Corporate ACEs**

**Biographical Sketch**

**Walter Kurtz, President**

Walter graduated from the University of Georgia in 1986 with a Bachelor of Business Administration in Accounting. After graduation, he worked as an accountant with Arthur Andersen & Co. until he joined the United States Air Force. In 1987, Walter attended pilot training at Williams Air Force Base, Arizona, where he graduated at the top of his class. Walter attended F-15 training at Luke Air Force base where he graduated as the class “Top Gun”. From 1988 until 1996 Walt logged more than 1000 hours as an F-15 Instructor Pilot at Dobbins Air Force Base, Georgia. Walter is currently a 737 Pilot for a major airline. He lives in Milton, Georgia with his wife Leslie and their three sons.

**Scott Turner, CEO**

Scott graduated in 1978 from the United States Air Force Academy with a Bachelor of Science degree. He attended pilot training in Columbus, Mississippi, graduating at the top of his class. During his air force career he flew F-15s for 18 years, accumulating over 2500 fighter hours. Scott achieved Distinguished Graduate status from every Air Force school he attended, including Squadron Officer’s School, Command and Staff College, and the Air Force Fighter Weapons School. Additionally, in 1984, Scott won the overall “Top Gun” award during the Air Force William Tell Air-to-Air competition. In 1987, Scott was selected as the best Instructor Pilot in the United States Air Force. He also has a Masters in Political Science from Troy State University. Today, Scott is a 737 pilot for a major airline where he also served in management as the airline’s L-1011 Fleet Captain for three years. He lives in Marietta, Georgia with his wife Sara and their three sons.

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

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**FRIDAY, AUGUST 22, 2014**

**ELLEN GRASS LECTURE**

“Determining Death by Neurological Criteria: Not So Simple”

**Stuart Youngner, MD**

There have been several high profile cases in the media this year involving a “brain dead” patient who is sustained on life support for unusual reasons. This brings to light the many ethical issues surrounding brain death and other states of decreased awareness that may precede brain death. In our role as neurodiagnostic technologists we are often at the bedside of a critically ill patient as difficult decisions are being made. Dr. Youngner will address some of the challenging questions raised in today’s modern medical culture:

- What role should neurodiagnostics play in the determination of brain death?
- How is withdrawal of life support influenced by personal, religious and cultural beliefs?
- Is death a process or a single event?
- Can we consider death of the higher brain vs. the whole brain?
- How can the patient and family maintain autonomy of choice in the face of conflict of interest?

In most deaths, vital biological functions cease at the same time. But, in some cases, high technology and critical care have allowed us to stretch out the dying process, allowing some life functions to remain while others have been irreversibly lost. Brain death is a diagnosis of death in the presence of a great quantity of life—the life of tissues, organs and organ systems. It was adopted, in large part, to facilitate retrieval of organs for transplantation. However, in many ways brain death as death is counterintuitive. How can a breathing (albeit with a ventilator), heart-beating body be dead? Moreover, brain death’s conceptual and even clinical foundations have been consistently challenged by scholars.

His talk will address some of the ambiguities and uncertainties about brain death but will conclude that for a variety of reasons, brain death remains a serviceable and accepted diagnosis to facilitate organ retrieval.

**Biographical Sketch**

Dr. Youngner is an internationally recognized expert on bioethical issues. He is the Chair of the Department of Bioethics at Case Western Reserve University. He has served as a consultant to the United States Congress Office of Technology Assessment, the Robert Wood Johnson Foundation, the Institute of Medicine and the Pontifical Academy of Sciences. Dr. Youngner has testified before the United States Congress. He served as President of the Society for Bioethics Consultation from 1994-1997, is a founding member of the Board of Directors of the American Society for Bioethics and Humanities, and was given the organization’s Distinguished Service Award in 2000. He co-directed a national task force that examined the need for standards for ethics committees and clinical ethics consultation. He is a widely recognized scholar in biomedical ethics and has published and spoken on topics including: decisions to limit life-sustaining treatment, ethics committees, physician-assisted suicide, advance directives, definitions of death, and ethical issues in organ and tissue retrieval and transplantation. He has published over 100 articles in peer-reviewed scholarly journals. He is the editor or co-editor of nine books, including “The Definition of Death: Contemporary Controversies”. 

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**THURSDAY, AUGUST 21, 2014**

**LEWIS KULL MEMORIAL KEYNOTE ADDRESS**

“Combat Communication - Debriefing: Your Key to Improving Care While Managing Risk”

**The Corporate ACEs**

The Corporate ACEs are a team of ex-military pilots who have used their training for combat readiness and flights into battle to help health care workers reduce risk and improve patient outcome. They teach “Situation Awareness” skills, to help staff comply with protocols, communicate correctly and make the right decisions in stressful situations when every minute counts. You will learn how to:

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SATURDAY, AUGUST 23, 2014

KATHLEEN MEARS MEMORIAL LECTURE
“I Can Do That! Skill-building through Volunteering”
Kathy Johnson, R. EEG/EP T., RPSGT, FASET

Time is a precious commodity and one of the few things that cannot be replaced once it is gone. Most of us lead very busy lives with our neurodiagnostic professional careers, church activities, continuing education, extra curricular activities for ourselves and our family and then there may be a little time left for social engagements. And we still have to find time to sleep! Sometimes it may seem that requests for you to volunteer your time just cannot be worked into this already delicately balanced dance that is your life and it is simply not possible to add one more item to your “to do” list. But those who find the time and the motivation to work for a cause that is important to them often realize the rewards are well worth the effort. Volunteering may provide you with many surprising benefits that can help you succeed and advance in your “real” job as well as in your life outside work.

Biographical Sketch
Kathy is the manager of the Neurophysiology and Regional Sleep Center at St. Mary’s Medical Center in Huntington, WV, where she has worked for 40 years, initially as a technologist trainee. In the 1980’s she was instrumental in the expansion of the department services to include intraoperative monitoring, and sleep medicine in the 1990’s. She has served as Trustee and as Secretary-Treasurer on the ASET Board of Trustees, is a charter member and past President of the West Virginia Sleep Society, and a charter member of the Mid-Atlantic Neurodiagnostic Society. She has served on numerous ASET committees and task forces and currently is the Chair of the Volunteer Leadership & Development Committee, co-chair of the Leadership Academy workgroup, Media Review editor for the ASET Journal and co-leader of the Special Interest Section on Polysomnography. She is a member of the first group to be awarded the designation as a Fellow of ASET and is a frequent presenter at ASET and other professional neurodiagnostic and sleep medicine conferences.

SYNAPSE BOWL & CLOSING CEREMONY
Saturday, August 23
2:30 p.m. – 4:00 p.m.

ASET’s fourth annual Synapse Bowl promises to be a 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 ASET-CEUs!

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 July 1! Visit www.aset.org/synapsebowl to sign your team up to participate today!

POSTER SESSIONS

THURSDAY, AUGUST 21
9:15 - 10:30 a.m.; 3:00 - 4:10 p.m.

FRIDAY, AUGUST 22
9:05 - 10:05 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 with attendees in an informal venue.

- Complexities in Interpretation of Stimulated Cranial Nerve EMG During Brainstem Surgery
  Emily Kale, CNIM, BS

- Functional Mapping with Intraoperative Monitoring for Cranietomies
  Corinne Curtis, R. EEG/EP T., CNIM, BS

- Reducing the Incidence of Skin Breakdown in Neurotelemetry Patients
  Sara L. Brown, MPH

- MEG and EEG with Sedation
  Liliya Birg, R. EEG T.

- Application and Use of Prime Electrodes & Eye Leads for More Accurate EEG
  Crystal Keller, R. EEG T., CLTM, BA, & Susan Feravich, R. EEG T., CLTM, BS

- Pediatric EEG Without Sedation
  Susan Hollar, R. EEG T., BA

- Applying Quality Metrics to Neurotelemetry and EMU Recordings for Lab Accreditation
  Bonnie Merkel, R. EEG/EP T.

- Use of Serial EEG in Non-Ketotic Hyperglycinemia
  Rajesh Poothrikovil, R. EP T., RPSGT, BS

- Epilepsy Monitoring with Grid Placement: A Case Review
  Jennifer A. Thomas, R. EEG/EP T.

- Reading Blaze EEG, A Web Based Platform for Remote Reading
  Jack Connolly, R. EEG T., BSIT

- The Circle of Willis – A 3-D Poster
  Robyn Mitchell

- Cost Justification of Using FDA Cleared MR Conditional Protocols When 24/7 Staff Are Not Available
  Stacey Askelson, R. EEG T., CNIM
SESSION DESCRIPTIONS

THURSDAY, AUGUST 21, 2014

PLENARY SESSIONS & PLATFORM PRESENTATIONS TRACK

LEWIS KULL MEMORIAL KEYNOTE ADDRESS
“Combat Communication - Debriefing: Your Key to Improving Care While Managing Risk” The Corporate ACEs

The Corporate ACEs are a team of ex-military pilots who have used their training for combat readiness and flights into battle to help health care workers reduce risk and improve patient outcome. They teach “Situation Awareness” skills, to help staff comply with protocols, communicate correctly and make the right decisions in stressful situations when every minute counts.

What is Anesthetic Fade in Intraoperative Neuromonitoring? A Review of this Interesting Phenomenon through a Study

Ryan R. Lau, R. EEG/EP T., CNIM, CLTM, FASET, MS

Anesthetic regimens can affect IONM data resulting in possible errors and reports to the surgeon that are not necessary. One interesting anesthetic effect on IONM is “anesthetic fade” which is the gradual decrease in amplitude and increase in latency of IONM responses or increases in stimulation voltage or current thresholds to maintain the initial pre-incision baseline response when anesthetics and physiological variables remain unchanged. TCMEP and SSEP responses will be compared.

Exploring the Relationship Between Intraoperative Blood Pressure And Evoked Potential Changes

Gail Hayden R. EEG/EP T., CNIM, FASET, MBA

SSEP monitoring has become a standard of care tool during spine surgery to optimize intraoperative conditions. Numerous factors may affect the sensitivity of SSEP to detect spinal cord injury. Our study provides evidence evidence that systolic blood pressure (SBP) significantly affects SSEP amplitude, which may affect the ability of SSEP to detect injury. Most anesthetics tend to lower blood pressure and some surgeons encourage it to decrease bleeding. This abstract presentation will provide details of the scientific study conducted and make recommendations to reduce the risk of this phenomenon.

The Utility of Motor Evoked Potentials for Femoral Nerve Protection in Retroperitoneal Transpsoas Access to the Spine

Jon Block, DC, CNIM

This presentation will propose the use of transcranial motor evoked potentials for intraoperative neuromonitoring to assess femoral nerve function and protect against iatrogenic injury during surgery in cases when a retroperitoneal transpsoas approach is used to access the lumbar spine.

Partner-SHIPs: Aligning Your Department with Administration for Smooth Sailing

Richard Foy, MBA, MSHA

Healthy partnerships with hospital administration are essential for any neurodiagnostics program to experience growth and development. The differing backgrounds between business-oriented administrators and clinically-oriented technologists can often result in high tensions when seeking to balance high-quality care with efficient and profitable operations. Over the course of a two year period, The University of Texas Medical Branch implemented several changes that have led to better patient care. These changes were possible because of the high level of collaboration between neurodiagnostic technologists and an administrator without a clinical background. This presentation will include a description of specific initiatives that were implemented.

Developments in Credentialing and Accreditation

Diane Liesen, R. EEG/EP T., CLTM, MA

The American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET®) has a 50 year history of credentialing in neurodiagnostics. This presentation will highlight recent developments and announce some future projects. The discussion will include eligibility requirements, the launching of a new credential, updates in laboratory accreditation and the announcement of a name and logo change for ABRET.

Spinal Cord Stimulators: A New Approach

MeChelle Vance, R. EEG/EP T., CNIM, CLTM

Spinal cord stimulation utilizes electrical impulses to relieve chronic pain of the back, arms and legs. It is believed that electrical pulses prevent pain signals from being received by the brain. Intraoperative monitoring, including TCMEPs, SSEPs and EMG may be done during implant of the stimulating device to provide feedback to the surgeon and improve effective implementation of the stimulator.

Developing a Departmental Education & Training Program with Annual Competency Assessments

Sabrina Faust, R. EEG/EP T., CNIM, CLTM

The Indiana University Neurodiagnostic Department has developed an annual competency assessment system using standards and guidelines set forth by ACNS, ASET and ABRET. These competencies cover EEG, EPs, LTMs, IONM and Neonatal ICU monitoring. These competencies are used to ensure consistent practices for technologists trained on-the-job and for those receiving continuing education. Since implementation of this competency assessment program, the technical staff has achieved an overall 98% first time success rate for passing the ABRET exams.

ICU MONITORING COURSE TRACK

ICU Monitoring: Why, How and So What?

Cormac O’Donovan, MD

This will be an interesting discussion about the utilization of continuous EEG in the ICU. Why are the primary reasons why an ICU recording should be initiated? How should the monitoring session be managed? When should the study be discontinued and why? And how does the recording session impact the patient outcome?

ICU Case Studies

Suzette LaRoche, MD

Dr. Laroche comes to us from Emory University in Atlanta, where she works primarily in the area of ICU monitoring. She is nationally recognized as an expert in this area, and is active with the American Clinical Neurophysiology Society providing education and setting standards for ICU monitoring. She has access to an incredible database of EEG case studies. She will share some of her most fascinating cases and will get the audience involved in a lively discussion about the EEG findings and clinical correlations in the ICU.

ICU Monitoring in a General Neurology Practice

Jennifer Jones, MD

The large tertiary care centers with a large referral base and state-of-the-art resources and equipment have been the model that we think of when we discuss ICU monitoring. But there is also a need for ICU monitoring in the general medical setting, in community hospitals. This presentation will provide an overview of how ICU monitoring is conducted in the smaller scale setting, and how the technologists and physicians in a general neurology practice can provide the service of continuous EEG in the critical care setting.

ICU Cooling Protocol

Rajdeep Singh, MD

This presentation will provide an overview of the use of Therapeutic Hypothermia to prevent catastrophic ischemia to the brain as a result of cardiac arrest, stroke and traumatic injury. This technique is gaining recognition as an effective treatment for the critically ill patient. The use of EEG is a part of management of this treatment for a baseline prior to cooling and during the warming phase when seizures are likely to occur.

Critical Care EEG Monitoring - Do We Need It? How Much Do We Need?

Keith Drombrowski, MD

This question will arise more often since the Affordable Health Care Act has been implemented. When there are limited resources and staff available to initiate ICU Monitoring, difficult questions must be addressed. Does the EEG make a difference in outcome for all cases? Should days and weeks of monitoring be conducted? Dr. Drombrowski consults on ICU cases at Duke University and he will discuss these issues.

ICU EEG for Non-Convulsive Seizures

Amu Arain, MD

To date, EEG is the only way to determine the presence of non-convulsive seizures in the comatose patient. The statistics are surprising regarding the frequency of non-convulsive seizures and status epilepticus in patients with altered consciousness. These seizures can develop as a complication of a wide variety of conditions. This presentation will establish the value of the EEG to detect seizure activity when no clinical symptoms are present, and will include interesting case studies.

NCS KEY TOPICS COURSE TRACK

NCS for Ulnar Neuropathy

Kevin Morley, R.N.C.S.T., CNCT

Kevin Morley is an expert NCS technologist who works in the EMG lab at Duke University, where he sees an incredible variety of neuromuscular disorders. He will provide an overview of the ulnar anatomy and physiology with altered consciousness. These seizures can develop as a complication of a wide variety of conditions. This presentation will establish the value of the EEG to detect seizure activity when no clinical symptoms are present, and will include interesting case studies.

ALS and Other Motor Neuron Diseases: Review and Electrodagnostic Case Studies

Jerry Morris, R.N.C.S.T., CNCT, MS

This presentation will provide some insight into well-known and lesser known Motor Neuron diseases, such as Lou Gehrig’s disease and multiple sclerosis, and discuss some of the more challenging cases in this area of neurodiagnostics.

NCS for Lower Motor Neurones

Kevin Morley, R.N.C.S.T., CNCT

Kevin Morley is an expert NCS technologist who works in the EMG lab at Duke University, where he sees an incredible variety of neuromuscular disorders. He will provide an overview of the lower motor neuron anatomy and physiology and discuss some of the more challenging cases in this area of neurodiagnostics.
as Amyotrophic Lateral Sclerosis and the LAD version, Leg Amyotrophic Diplegia, and polio. Clinical presentation of the disease states and NCS techniques and results will be discussed. Jerry Morris is a highly respected member of the NCS community and has received the ASET Theda Samml Outstanding Educator Award. When he shares his enthusiasm for his job, he engages his entire audience.

EMG/NVC Services as a Clinical Tool: Why Testing is Important in Patient Care
Laura Fleck, MD
This lecture will address the clinical application of EMG/NVC testing: how peripheral nerve and spinal pathology is functionally interrelated, how testing impacts clinical decision making and prognosis, and why testing should be included in spine pre-surgical evaluations. The lecture will include case study presentations to highlight key clinical concepts. Dr. Fleck practices neurology in Asheville and she specializes in the diagnosis and treatment of diseases of the spine.

NCS with Quality and Compassion
Mary Ellen Wells, R. EEG T., R.NCS.T., RPSGT
There are two important factors that contribute to the successful NCS work-up. The first is to be mindful as we approach the patient and to offer compassion. It is essential to understand the patient’s anxiety and discomfort and be able to put the patient at ease. The second is to ensure that from set-up to completion, we pay attention to details that will ensure a quality study. Using the precise stimulation and recording sites, measuring the distance between these sites for accurate calculations and proper documentation will make a difference in the accuracy and outcome of the study. Mary Ellen Wells is a full time educator and Program Director for the University of North Carolina Neurodiagnostic Technology Bachelor’s Degree Program.

Hands on NCS Workshop
Kevin Morley, R.NCS.T., CNCT
Jerry Morris, R.NCS.T., CNCT, MS
Mary Ellen Wells, R. EEG T., R.NCS.T., RPSGT
This is a perennial favorite of the ASET NCS course. We will have three work-stations manned by our expert faculty to provide hands-on practice in specific NCS recording techniques. You are encouraged to customize your learning experience and try a new technique or ask for a demonstration of a testing protocol that you would like to improve.

PEDIATRIC NEURODIAGNOSTICS

COURSE TRACK

Tuberous Sclerosis: The Whole Story: Diagnosis to Surgery
Brad Ingram, MD
This disease is usually diagnosed in early childhood and cases vary in severity, but many children suffer from intractable seizures, and face a lifetime of neurological complications. This presentation will include an explanation of the disease symptoms and etiology, and the imaging and LTM studies that monitor the disease. The progression of the disease from first diagnosis through epilepsy surgery will be followed via case studies.

Pediatric Epilepsies and Encephalopathies
William Galentine, MD
There are many neurological disorders that are unique to the pediatric patient population. Dr. Galentine is a pediatric epileptologist at Duke University. His presentation will include an overview of a wide variety of childhood epileptic disorders and encephalopathies that include seizure disorders. His discussion will include the clinical and EEG findings for these disease states.

Continuous EEG in the NICU: ACNS Guidelines and Recommendations
Asim Shahid, MD
The American Clinical Neurophysiology Society has published a guideline for “Continuous EEG Monitoring of the Neonate” and a second guideline with recommendations for terminology used to describe continuous EEG findings in the neonate. Dr. Shahid will explain the guidelines: conditions that warrant a continuous recording, recommendations for set up and recording parameters and management and storage of EEG files. He will include EEG samples to demonstrate how to utilize the recommended terminology to describe the neonatal EEG patterns.

Update on Neonatal EEG Set-up: Best Practices
Susan Hollar, R. EEG T.
Susan works with neonatal EEG at Duke University where she has conducted research into factors that contribute to skin breakdown in this fragile patient population. She will share her findings and explain electrode options, set-up techniques and how to recognize environmental and clinical factors that may contribute to skin breakdown. She will also provide tips and techniques to obtain the best recording possible.

Infantile Spasms
Elia Pestana Knight, MD
Dr. Pestana Knight comes to us from the Cleveland Clinic, where she specializes in pediatric epilepsy. She will provide a comprehensive overview of infantile spasms, including clinical symptoms, diagnosis, EEG findings, and an update on the latest treatment options.

Alternatives to Sedation
Petra Davidson, R. EEG/PET T., BS
Petra is devoted to ensuring the best of care for each of her patients. She has been very successful in avoiding sedation for all but the most challenging of patients. She will share her tips and tricks for keeping pediatric patients and special needs patients calm throughout set-up and recording.

FRIDAY, AUGUST 22, 2014

PLENARY SESSIONS & PLATFORM PRESENTATIONS TRACK

ELLEN GRASS LECTURE
Determining Death by Neurological Criteria: Not So Simple
Stuart Youngner, MD
There have been several high profile cases in the media this year involving a “brain dead” patient who is sustained on life support for unusual reasons. This brings to light the many ethical issues surrounding brain death and other states of decreased awareness that may precede brain death. In our role as neurodiagnostic technologists we are often at the bedside of a critically ill patient as difficult decisions are being made. Dr. Youngner will address some of the challenging questions raised in today’s modern medical culture.

Sedation: When Absolutely Necessary There Are New Options For Better Patient Care
Peta N. Davidson, R. EEG/PET T., BS
It is advisable to reduce the use of sedation in the clinical neurophysiology lab whenever possible. However, there are times it is unavoidable and safer for the patient when sedation is used. This presentation will describe the necessity of sedation, the existing common sedatives, the reasons those should be discontinued and newer sedative options. The speaker will offer several alternatives that may be utilized prior to sedation and will include samples of EEGs performed with various sedatives as a helpful reference.

Induction of Non-Epileptic Seizures in Pediatric Patients: The EEG Technologist’s Role
Tenley Newton, R. EEG T.
It is essential to recognize and diagnose non-epileptic seizures in pediatric patients as quickly as possible to improve patient care and reduce the length of stay for video EEG monitoring. The focus of this presentation will be activation methods and the benefits and pitfalls of these techniques. Video examples will be included.

Knowing How to Argue
Anna-Marie Beck, R. EEG T.
The ancient art of Rhetoric is all but forgotten. Rhetoric is the “art of persuasion” and includes three formal argument styles. Knowledge of when and how to use these argument styles is key to keeping conflicts from escalating. It also includes the ability to find the integrative space (the area of compromise where both parties have some satisfaction as to the outcome of the conflict). Anna’s presentation will help you understand how to argue respectfully and effectively.

EEG in Zambia
Jack Connolly, R. EEG T., BSIT
Although 75 percent of the population with epilepsy resides in countries of the developing world, epilepsy in these regions still often remains untreated, and undiagnosed. Cost effective, reliable diagnostic services are needed as well as properly trained technologists. In the large capital city of Lusaka, Zambia, there is only one EEG tech covering two very busy hospitals. The author traveled to Zambia with a neurologist and a computer programmer where the team worked with a technologist to help improve the quality of the EEG tests he performed and to work with the physicians to streamline the process of reading the EEGs.

A Bachelor’s Degree Program for the Neuromonitorist
Joshua Mergos, CNIM, MS
The Movement Science major at the University of Michigan offers an ideal academic setting for housing an IONM educational program. Students begin a two-year IONM curriculum during their junior year. A pilot class of three students graduated from this program in 2014 and sixteen more students are currently enrolled. This presentation will provide an overview of the program curriculum and clinical rotation structure.

IONM UPDATES COURSE TRACK

Using EMG and TcEMEP for Cranial Nerve IONM
Jason Rusnak, CNIM, BS
IONM during surgery involving the cranial nerves is essential to prevent significant injury and preserve function. Techniques for monitoring cranial nerves can be complex and may require multimodality monitoring. This lecture will include a review of cranial nerve anatomy and function, and options for selecting the optimal stimulation and recording parameters to monitor cranial nerve function during surgery. Examples of waveforms and helpful trouble-shooting tips also will be discussed.

Brain Mapping and Cortical Stimulation in the O.R.
Jeff Balzer, PhD, DABNM, FASN
Brain mapping and cortical stimulation must be done with the utmost caution and attention to detail to ensure that no eloquent cortex is damaged. This presentation will provide an in-depth explanation of how to map brain functions during surgical resection of tumors and epileptogenic tissue. The discussion will include a comprehensive overview of cortical stimulation techniques in the O.R. Dr. Balzer’s presentations are always popular and he is always engaging in his enthusiasm and expertise.
What Makes a Neurosurgeon Nervous?
Corey Adamson, MD
Have you ever had the feeling that something going on during the surgery is making the surgeon uneasy? Could it have something to do with the IONM? What are the primary causes for concern during a surgical procedure? Dr. Adamson is a neurosurgeon with a busy practice at Duke University. He has a special interest in brain tumor research and performs surgery with the assistance of IONM on a daily basis. He will let you in on the secret fears and unspoken concerns provoked by situations in the O.R.

Panel Discussion: Enhancing Your Stature in the O.R.
The Advanced IONM Technologist in Practice
Brett Netherton, CNIM, MS
Professionalism in the O.R.
Bernard Cohen, PhD, FASN
Working in the new environment created by the Affordable Health Care Act has presented new challenges for IONM technologists. It is essential that we develop strategies to prove the value of our services in the O.R. These two expert panelists will discuss their perspectives about ways in which we can ensure that our roles will be respected and that we will continue to be valued members of the surgical team. The panel discussion will include an interactive audience Q & A session.

EVOKEPOTENTIALS COURSETRACK
Technical Aspects of BAEPs
Mark Ryland, R. EP T., R.NCS T., CNCT, RPSGT, 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 Theda Sannit Outstanding Educator Award in Charleston.

SSEPs: Back to Basics
Adam Kornegay, R. EP T., CNIM, LPN, MBA
Whether you perform SSEPs in the clinical setting or in the O.R., whether you are preparing for the R. EP T. exam or the CNIM exam; you will benefit from this review of SSEP concepts and an 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, selection of recording parameters, and technical troubleshooting to maximize results.

Visual Evoked Potentials
Larry Head, R. EEW/EP T., CNIM, RPSGT, 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 stimulation parameters, when to add hemifield stimulation and how to obtain optimal results. Larry has received the Theda Sannit Outstanding Educator Award and is a favorite among technologists.

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 AND CLINICAL CORRELATIONS COURSETRACK
Emergency EEGs: The Role of the Technologist through Case Studies
Nikesh Ardeshna, MD
Neurodiagnostic Technologists are on the front-lines of patient care when performing urgent EEGs. In the stressful setting of the emergency room, we play a key role in assisting with the diagnosis of a neurological illness or injury. We must use critical thinking and pattern recognition skills to ensure the best outcome possible. This lively discussion will focus on two questions:
• When should an emergency EEG be ordered?
• Which EEG patterns warrant immediate intervention?

Monsters Inside Me: Neurodiagnostic Edition
Jennifer Walczof, R. EEG/EP T., CNIM
This will be a fascinating discussion of infections of the brain, some rare forms of encephalitis and some that are more familiar, such as Creutzfeldt-Jakob disease and herpes encephalitis. You will find out more about parasitic infections and the infection featured in the book “Brain on Fire”.

Making It Happen: EEG Lab Accreditation
Kathy Branson, R. EEG T.
Lab accreditation is more important than ever in the era of value-based purchasing in health care. When Kathy passed her R. EEG T. exam she decided that the next challenge should be to achieve accreditation for her EEG lab. She will explain the process and show examples of key components of the documents required, and discuss how to keep standards up to par so that recordings will be acceptable for the record review portion of the accreditation.

What Do You Think? EEG Case Study Interactive Workshop
Jonathan Edwards, MD
This session will keep you awake and energized at the end of the day! This presenter will facilitate an interactive workshop presentation of interesting EEG case studies. He will ask the audience to participate in the discussion about a wide variety of interesting EEG findings. Whether you are new to the field and preparing for Board Exams or a veteran with many years’ experience, this will be a refreshing challenge. Dr. Edwards is an epileptologist at the University of South Carolina in Charleston.

SUNDOWN SEMINARS
Sponsored by the Southern Society of Electroencephalographic Technologists (SSET)
Friday, August 22
5:00 - 6:30 p.m.

The sundown seminars are designed to promote customized learning in an informal setting with opportunity to ask questions. There is a separate registration fee for these workshops. We encourage you to register in advance but we will accept registrations on-site.

CLTM Board Prep Workshop
Sabrina Galloway, R. EEG/EP T., CNIM, CLTM, FASET, BS
This workshop will provide a comprehensive preview of the candidate handbook and exam content, study material recommendations, interactive questions and more.

CNIM Exam Resources and Study Tips
Andrew Scott, CNIM
This workshop will provide an overview of the skills and knowledge base required to take the ABRET CNIM exam. The facilitator will suggest appropriate study resources for exam preparation.

CPT Coding
Kathryn Hansen, R. EEG T., BS, CPC
This workshop will provide an overview of recent CMS changes to CPT codes commonly used in neurodiagnostics. The facilitator will explain how to navigate through the CMS information system so that you can look up codes easily in the future.

EEG Board Exam Resources and Study Tips
Rebecca Clark Bash, R. EEG/EP T., CNIM, CLTM, FASET, BS
This workshop will provide an overview of the skills and knowledge base required to take the ABRET EEG Registry exam. The facilitator will suggest appropriate study resources for exam preparation, and include some examples of basic waveform calculation and polarity determination exercises.

Preparing your P and P manual to achieve NIOM Lab Accreditation
James Watt, CNIM, R. EP T., BS
Clare Gale, R. EEG/EP T., CNIM, FASNM, BS
Members of the NIOM Accreditation Board
This workshop will help you prepare for the ABRET NIOM Lab accreditation process by offering helpful tips on how to create a comprehensive Policy and Procedure Manual.

- Past Annual Conference Evaluation
High Density EEG/ECog for Long Term Dynamic Analysis of Network Brain Function and Psychiatric Disease Signatures

Dennis Turner, MD

Dr. Turner is a neurosurgeon at Duke University, where he incorporates state-of-the-art technology in his practice and in his research projects. Find out more about this futuristic technique which can help us understand the networking functions of the brain and how these functions play into psychiatric disease. Surgical implantation of cortical electrode arrays is a key part of this study.

Testing Screws: Cervical to Lumbar

Chris Staymaker, CNIM

Testing of pedicle screws has been an accepted practice for years, but now this procedure has moved on to screws placed at other levels of the spine. The testing procedure varies accordingly. Chris will explain how testing is conducted at each level.

Intraoperative Neurophysiologic Methods for Spinal Cord Stimulator Placement Under General Anesthesia

Jay Shils, PhD

Dr. Shils is the neurophysiologist on the spine center team at Leahy Clinic in Massachusetts. He works with patients undergoing implantation of a spinal cord stimulator to relieve chronic pain. This device is starting to be recognized as an effective alternative when pain medications and physical therapy do not provide sufficient relief. He will explain the procedure and the role of anesthesia during this delicate surgical process.

IONM for Thyroidectomies: What You Need to Know

Greg Niznick, CNIM, DABNM

It is increasingly an accepted practice to include intraoperative neuromonitoring during surgery for removal of the thyroid gland. It has long been recognized that this surgery includes the risk of damaging the laryngeal nerve. If laryngeal nerve palsy occurs, the patient will experience a significant alteration in voice and in severe cases, may require a tracheotomy. This presentation will highlight the features of the surgical process and the techniques for IONM that can prevent permanent disability.

UPDATE IN NEURODIAGNOSTICS

Meet MEG: Magnetoencephalography

J.P. Lowe, R. EEG/EPT, CNIM, CLTM; Hisaki Fujwara, R. EEG/EPT, CLTM, RPSGT, BS; Susan Bowyer, PhD

The use of MEG is on the rise in the USA. It is a state-of-the-art technique for functional neuroimaging. It is important for neurodiagnostic technologists to be involved in this testing since the first step of the procedure includes a very accurate placement of scalp electrodes. A team of MEG experts will discuss the technical aspects, and explain the role of MEG in the comprehensive epilepsy work-up.

TCD: Current Method for Use in the OR and ICU

Jeff Balzer, PhD, DABNM, FASNM

Transcranial Doppler is a non-invasive technique that has proved useful in assessment of the dynamics of blood flow to the brain. It is now accepted practice to use TCD in the O.R. and ICU setting. Dr. Balzer will explain the techniques used and include examples of TCD studies to demonstrate their value in these settings.

Value Based Purchasing, Patient Satisfaction and Your Neurodiagnostic Department: Help, Please!

Ryan Lau, R. EEG/EPT, CNIM, CLTM, FASET, MS

Under the Affordable Health Care Act, reimbursement for services is tied to patient satisfaction. The results of patient surveys determine how much a hospital will be reimbursed. The health care consumer can choose where to go for health care based on the value of the services being offered. They will shop for a good price for services and other valuable factors, such as convenience and quality. Ryan manages a comprehensive neurodiagnostic service at Indiana University, where he has a system in place to continuously monitor and improve patient care. He will share his experiences to help you keep the patient satisfaction score high.

Sign of the Times: Where Do I Go From Here?

Secrets to a Successful Job Transition during Turbulent Times

Dorothy Gaier, R. EEG T., RNCS.T., CNCT, FASET, MHA; Elizabeth Mullikin, R. EEG/EPT, CNIM, FASET, FACHE, MPA, MA, MNM

Two of our most highly respected members of the neurodiagnostic community have each worked through a variety of changes in the health care environment in years past. We are now facing new challenges regarding changes in regulations for utilization and reimbursement which have already affected some areas of neurodiagnostics. This presentation will set you up for success in your future, as you plan your career goals. It is advisable to sit in on this lecture so that you can be prepared when change can alter your job and your income.

Making Headlines: Traumatic Brain Injury and Chronic Traumatic Encephalopathy

Sherry Nemhakim, R. EEG/EPT T, CNIM, CLTM, FASET

Sherry comes to us from the Cleveland Clinic, where she has the opportunity to be a part of the research team as they discover the latest in the quest to determine exactly what happens to the brain in traumatic injury and assessment techniques for chronic traumatic encephalopathy. Prevention of CTE is also an important part of the research. Football has made the headlines as a major cause of TBI and CTE but what you don’t know is that many other, seemingly harmless school yard sports are also implicated.

New Treatments for Refractory Seizures

Saurabh Sinha, MD, PhD

It is always inspiring to hear that there are new choices that can prevent for the effective treatment of refractory seizures. Dr. Sinha provides advanced care for epilepsy patients at Duke University. He will discuss some of the new treatment options: the implanting of a Responsive Neurostimulation Device (RNS), stereotactic surgery and new medications.

Update on SUDEP

Rod Radtke, MD

Dr. Radtke is the medical director for the neurodiagnostic lab at Duke University. He has an active interest in SUDEP: Sudden Unexpected Death in Epilepsy. He will discuss the latest findings with respect to cause and prevention of this tragic occurrence. It is important for technologists who work with epilepsy patients to know about this condition and to serve as patient advocates to help educate patients.

New Onset Refractory Status Epilepticus: NORSE Syndrome

Melissa Moreda, RN, BSN, CNRN

This is a newly recognized medical syndrome which typically affects young, otherwise healthy individuals who have no history of a seizure disorder. New onset seizures rapidly escalate to status epilepticus which is resistant to standard treatment. The morbidity rate is very high, but there is a lack of information since this is such a new entity. Melissa has made it her quest to research this terrifying condition and educate the medical community to help them make the diagnosis quickly. She will share what she has discovered about NORSE syndrome. You may play a role in the diagnosis of a case in the future so don’t miss this important update.
EXHIBIT HALL WELCOME RECEPTION
Thursday, August 21
6:00 – 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 2015 Annual Conference.

ASET FOUNDATION SILENT AUCTION
Preparations are now underway for the Silent Auction to be held at the ASET 2014 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 31, 2014.

In an effort to raise even more funds to support the Foundation’s many initiatives, we are suggesting all items donated have a minimum retail value of $25. Smaller items can be bundled!

ANNUAL BUSINESS MEETING AND AWARDS LUNCHEON
Friday, August 22
12:10 – 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 trustees to the ASET board. In addition to the annual reports, an amendment to the bylaws setting the term of board office of the Chapter Presidents Council Chair will be placed before the membership for a vote. The amendment is as follows:

RESOLVED: That Article 9, Board of Trustees, Section 2, be amended as follows:

Section 2. Terms of the Board of Trustees
new subsection e. The Board of Trustee member elected from and by the Chapter Presidents Council shall be elected for a two-year term and may succeed him or herself for one consecutive term. He/she will be ineligible to again serve for three years upon their expired term. Term of office shall coincide with the term served by the Society president.

The awards portion of the program will include presentations of the prestigious Maureen Berkeley Memorial Award, Theda Sanit Outstanding Educator Award, Trustee’s Award and the inductees into the 2014 class of Fellows. All conferees are invited to attend and the event is included in the conference registration fee, but only ASET members in good standing of the Society attending the meeting will constitute the voting body.

EDUCATORS WORKSHOP
Friday, August 22
5:00 – 6:30 p.m.

Program Accreditation: Everything You Always Wanted to Know and Were Afraid to Ask!
Jackie Long-Goding, PhD, RRT-NPS, FAARC, Executive Director of the CoA-NDT and Becky Meng, R. EEG/EP T., BA, Chair of the CoA-NDT

This workshop is designed for both new and experienced program directors, faculty and those who want to learn about taking a new program through the accreditation process. Participants will learn about the CAAHEP standards for Neurodiagnostic Technology programs, how to prepare and submit reports and the self-study, and how to prepare for (and survive!) a site visit.

SOUTHERN WELCOME SOCIAL
Sponsored by SSET
Friday, August 22
8:00 - 10:30 p.m.
(Free to all conferees and exhibitors)

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. Door prizes and a cash bar will be available. All those who register will be given one free drink ticket.

INTEREST SECTION LUNCHEON
Saturday, August 23
12:00 – 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.

I attended my first ASET Annual Conference in 2012. I must say that I was just like a kid at Disney. To listen to the lectures and to speak one on one with so many Neurodiagnostic Technologists I was just in awe. I cannot wait to come back again!

- Linda K. Lanier
VOLUNTEER & LEADERSHIP DEVELOPMENT BOOTH

The American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET) and ASET - The Neurodiagnostic Society have joined together to create the ASET/ABRET Leadership Academy. The mission of the Academy is to develop the volunteer leadership necessary to ensure the long-term growth and advancement of both organizations and the neurodiagnostic profession. The academy focuses on leadership training and the “business” of the volunteer organizations. Its goal is to establish and continually replenish a pool of candidates who are prepared to take on a range of volunteer positions in both organizations, and to ultimately become future leaders of the Society and registry board. Stop by the Volunteer & Leadership Development Booth to learn more about this new joint venture. Full descriptions of the course curriculum and enrollment forms will be available.

GRASSROOTS WATERING HOLE

What is Grassroots? ASET’s Grassroots campaign is an effort to proactively generate support for policy initiatives, combat negative legislation and regulation that could adversely affect neurodiagnostic technologists, as well as support legislation and regulation that benefits neurodiagnostic technologists.

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 model bill. The model bill for the state licensure of the neurodiagnostic practice was developed by the Governmental Advocacy Committee and approved by the ASET Board of Trustees. The model bill provides the basic structure and provisions for what should be included in Neurodiagnostic licensure legislation at the state level. Members of the ASET Governmental Advocacy Committee will be on hand to answer questions and provide additional tips on how you can help achieve licensure for the profession. You may also obtain a copy of ASET’s Point of Contact Handbook, a step-by-step guideline that makes it easy for you to build relationships with legislators and their staff. Working together we can promote the best possible patient care and protect our profession.

HISTORICAL ADVISORY COMMITTEE

Search your department, your basement, and your attic for a neurodiagnostic item or two to bring to Asheville to “stump the expert” in the Historical Advisory Committee (HAC) booth. There will be historical items (especially ones with gears and moving parts) in the booth for you to identify. Prizes will be awarded. The HAC welcomes donation of historical memorabilia for the ASET and the Smithsonian Institution archives. Stop by the HAC booth to learn more about this committee and your neurodiagnostic history.

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, you will have the opportunity to be paired up with a mentor at Thursday’s “Meet and Greet” conference luncheon.

SSET HOSPITALITY BOOTH

The 2014 ASET Annual Conference is co-sponsored by the Southern Society of Electroneurodiagnostic Technologists (SSET). SSET will have a special booth located in the conference registration foyer to serve as a point of contact for SSET members.

ANNUAL CONFERENCE SHIRTS

ASET has once again teamed up with Cadwell Laboratories to provide all attendees with a complimentary 2014 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 2014 Annual Conference logo on the front. Your registration must be received by July 1 to ensure you get your preferred size.

THURSDAY, AUGUST 21
9:15 a.m. - 12:30 p.m.
1:30 - 4:10 p.m.
6:00 - 7:30 p.m. (reception)

FRIDAY, AUGUST 22
9:00 - 12:00 p.m.

PARTIAL LIST OF COMPANIES THAT WILL BE EXHIBITING:
(as of 5/09/2014)

ABRET
Ad-Tech Medical Instrument Corporation
Aureus Medical Group
Cadwell Laboratories, Inc.
CNS Vital Signs
eLearnEND, LLC
Electrical Geodesics, Inc. (EGI)
inomed North America
KEGO FMI
Lifelines Neurodiagnostic Systems, Inc.
Mavidon
NeuroGen, Inc.
PMT Corporation
Procirca
Rhythmlink International
Rochester Electro-Medical, Inc.
Signal Gear
SpecialtyCare
The Electrode Store
UCSF Medical Center HR
US Monitoring, LLC
Weaver and Company
Zytek Neuro, Inc.
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: August 20…………….. 6 p.m. - 8 p.m.
Thursday: August 21………………. 7 a.m. - 6 p.m.
Friday: August 22…………………. 7 a.m. - 5 p.m.
Saturday: August 23………………. 7:30 a.m. - 2 p.m.

REGISTRATION POLICIES
• Attendees 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 includes 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.
• 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 July 21, 2014, will result in a refund of fees paid less a $50 processing fee. There will be no refunds for cancellations received after July 21, 2014.

RECOMMENDED ATTIRE
Business casual attire is strongly encouraged. Please dress comfortably to create the best learning environment. Temperatures at night average around 64 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.

CONTINUING EDUCATION CREDITS
ASET continuing education units will be awarded to participants. Approximately 7.7 ASET-CEUs will be awarded for Thursday, 7.75 credits for Friday and 6.0 for Saturday. The Sundown Seminars will be awarded an additional 1.5 credits. You can earn up to 23 ASET-CEUs 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.

GENERAL INFORMATION
HOTEL ACCOMMODATIONS AND RESERVATIONS
All events will be held at:

The Grove Park Inn
290 Macon Ave
Asheville, NC 28804
800.438.5800
www.groveparkinn.com

The Grove Park Inn sets atop Sunset Mountain, features guestrooms with spectacular views of the Blue Ridge Mountains and its lush Donald Ross-designed golf course. Enjoy modern amenities with historic charm.

Sports Complex is complimentary, as is wireless internet in sleeping rooms.

Reservations are to be made directly with the hotel before July 27, 2014, to secure the special conference rates. When making reservations, use the Group Code “081714ASETANNUA”. Reservations made after the July 27th cut-off date will be on a space-available basis and may not qualify for the conference rate.

TRANSPORTATION
Asheville is served by the Asheville Regional Airport, with daily service provided by Allegiant Air, Continental Airlines, Delta Air Lines, United Express, and US Airways and non-stop flights from Atlanta, Charlotte, Chicago, Detroit, Houston, Newark, New York - LaGuardia, Orlando, and Philadelphia. The Grove Park Inn is located only 17 miles (20 minutes) from the airport.

An alternative airport that you may wish to consider is Greenville-Spartanburg, SC. Just 65 miles and 75 scenic minutes away from the Grove Park Inn, the airport is served by seven airlines offering 71 daily departures including non-stop service to 17 major cities across the U.S.

ASET has arranged for discounted transportation from Asheville Regional Airport to the Grove Park Inn to be provided by GrandyCo Transportation of Asheville (www.grandyco.com) at the one-way fare of only $20 plus 20 percent gratuity ($4). Advance reservations for the shuttle service are highly recommended. To make reservations call Joe Tandy, company supervisor, direct at 828.691.0504, or email him at joe3holly@gmail.com. All credit cards and cash are accepted. GrandyCo will provide email receipts.

Taxi cab service in Asheville is unregulated and generally there are only a few cabs waiting at the airport to pick up arrivals at any given time. The cost of a one-way cab ride from the airport to the Grove Park Inn should range from $35 to $45.

PARKING
The Grove Park Inn offers complimentary self-parking for hotel guests.

IMPORTANT DATES

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Register today to attend the ASET 2014 Annual Conference.

ASET 2014
August 21-23, 2014
The Grove Park Inn
Asheville, NC

There is something for everyone in Asheville, NC at The Grove Park Inn.

- Beautiful sunset views
- Delicious food
- World class spa
- Donald Ross designed golf course
- Don’t miss out! There’s something for everyone at The Grove Park Inn!