



Atlantic
Health System



2019 Atlantic Health Overlook Neuroconference

A Comprehensive IONM, Continuous Bedside EEG (cEEG) & Epilepsy Symposium

Sat & Sun April 13 & 14, 2019

CMEs & ASET CEUs Available!



Key Experts will present on Big Data, Automation, Evidence-Based Practices, and Executive Leadership strategies at the Atlantic Health Overlook Neuroconference

April 13 & 14, 2019

*Atlantic Health - Overlook Medical Center
Auditorium - 5th Floor Lobby Level
99 Beauvoir Avenue, Summit, NJ*

Register Today at <https://bit.ly/2X9HTug>

Registration Link: <https://bit.ly/2X9HTug>

Atlantic Health System designates this live activity for a maximum of 15 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Atlantic Health System is accredited by the Medical Society of New Jersey to provide continuing medical education credit for physicians.

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Atlantic Health Overlook Neuroconference 2019 Planning Committee

James P. Lowe, BS, R. EEG/EPT, CNIM, CLTM

Ron Emerson, MD

Faisal Jahangiri, MD, CNIM, D.ABNM, FASNM

Sabrina Galloway, R. EEG/EPT, CNIM, CLTM, FASET

Denise Bates, MBA, DHAc, R.EPT, CNIM

Michael Riley, MS, CNIM

Patricia Warf, RN, MS, CNIM, LSSGB, FASNM

Lawrence Wierzbowski, AuD, D.ABNM, FASNM

Cheryl Wiggins, AuD, CNIM, D.ABNM

Clare Gale, BS, CNIM, R.EEG/EPT, FASNM, FASET

Course Director

Medical Advisor

IONM Program Chair

cEEG Program Chair

Program Advisor

Program Advisor

Program Advisor

Program Advisor

Program Advisor

Implementation Advisor

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Accommodations:

HILTON SHORT HILLS

NJ41 JFK Parkway

Short Hills NJ, 07078

Mention: OMC (Overlook Med Center) for conference rate.

Standard Room..... \$129.00

Hotel: 973-379-0100

Hilton Reservations: 800- 471-6402

Online Reservations: <https://book.passkey.com/go/overlookmedicalcenter>

Conference Info:

General Attendee - \$450

Poster Presenter - \$375

Student - \$75

Facebook:

<https://www.facebook.com/overlookneuroconference/>

LinkedIn:

<https://www.linkedin.com/company/atlantic-health-overlook-neuroconference/>

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Atlantic Health Overlook Neuroconference 2019 IONM Session Agenda

SAT. APR 13, 2019 IONM

7:00	7:50	Registration, Breakfast with Exhibitors	
7:50	8:00	Welcome	
		Modality Updates: Session I	
8:00	8:30	Harnessing the Power of SSEP Data	Christopher Pace, PhD
8:30	9:00	Alert Criteria and Localization: Auditory Evoked Potentials	Alan Legatt, MD
9:00	9:45	Experience-Driven IONM Updates	Aatif Hussain, MD
9:45	10:00	Panel Discussion	
10:00	10:15	Break with Exhibitors & Posters	
		JOINT SESSION - Neurodiagnostics of the Future	
10:15	11:00	Progressive Technology in Surgical Epilepsy	Anil Mendiratta, MD
11:00	12:00	The Value of Simulation for the Neurodiagnostic Profession	Lawrence Wierzbowski, AuD
12:00	12:30	Lunch Break	
		Advanced Techniques: Session I	
12:30	13:10	IONM Case Presentations: Challenging Interpretations	Alan Legatt, MD, PhD
13:10	13:50	Neuromonitoring for Awake Craniotomies	Faisal Jahangiri, MD
13:50	14:30	Technical Review: D-Wave MEP Monitoring	Kent Rice, MS
14:30	14:45	Break with Exhibitors & Posters	
		Advanced Techniques: Session II	
14:45	15:30	Current Indications for IONM in Extreme Lateral Approaches	Justin Silverstein, DHSc
15:30	16:15	The Role of Artificial Intelligence and Automation in IONM	Michael Riley, MS
16:15	16:30	Panel Discussion	
16:30	18:00	Hands-on Workshop I: Train of Four (TOF)	Rob Minahan, MD
16:30	18:00	Hands-on Workshop II: Transcranial Doppler (TCD) in the OR	Alex Razumovsky, PhD
16:30	18:00	Hands-on cEEG Workshop III: Precision Trending Protocols	Sabrina Galloway, BS
16:30	18:00	Hands-on Workshop IV: Magnetoencephalography Tour	James P Lowe, BS

SUN. APR 14, 2019 IONM

7:00	7:50	Breakfast with the Experts: The Future of IONM	
7:50	8:00	Welcome	
		Communication, Compliance, and Quality: Session I	
8:00	8:30	Real-Time Monitoring for Strategic Data Communication	Joseph Moreira, MD
8:30	9:00	Data Analytics for Advanced Troubleshooting in the OR	Kent Rice, MS
9:00	9:30	Full Metal Jacket Approach to Clinical Safety	Jay Shils, PhD
9:30	10:00	Integrated Anesthetic Communication for Dependable IONM Data	Veronica Busso, MD
10:00	10:15	Break with Exhibitors & Posters	
		Communication, Compliance, and Quality: Session II	
10:15	11:00	21st Century Review of Multi-Center IONM Outcomes	Anthony Sestokas, PhD
11:00	11:30	IONM Strategies to Stay Competitive	Dapang Fan, MD
11:30	12:00	IONM and Performance Improvement	Cheryl Wiggins, AuD
12:00	12:15	Panel Discussion	
12:15	12:30	Refreshments with Exhibitors & Posters	
		Modality Updates: Session II	
12:30	13:30	Corticospinal and Corticobulbar MEP Monitoring	James Watt, BS
13:30	14:00	Advancing EMG Monitoring Strategies	Nestor Nicolaides, DC
14:00	14:15	Panel Discussion	
14:15	14:30	JOINT SESSION - Awards & Certificates	

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Atlantic Health Overlook Neuroconference 2019 cEEG Session Agenda

SAT. APR 13. 2019 cEEG			
7:00	7:50	Registration, Breakfast with Exhibitors	
7:50	8:00	Welcome	
		Session I: Critical Care cEEG	
8:15	9:00	Interpretation Strategies in Critical Care EEG	Benjamin Cunningham, MD
9:00	10:00	State-of-the-Art Assessment for EEG and Cortical Depression Spread	Brandon Foreman, MD
10:00	10:15	Break with Exhibitors & Posters	
		JOINT SESSION - Neurodiagnostics of the Future	
10:15	11:00	Progressive Technology in Surgical Epilepsy	Anil Mendiratta, MD
11:00	12:00	The Value of Simulation for the Neurodiagnostic Profession	Lawrence Wierzbowski, AuD
12:00	12:30	Lunch Break	
		Session I: Epilepsy	
12:30	13:30	Building a Dynamic Minimally Invasive Epilepsy Program	Ronald Benitez, MD
13:30	14:30	Planning and Reading Stereo EEG for Effective Clinical Outcomes	Ji Yeoun Yoo, MD
14:30	14:45	Break with Exhibitors & Posters	
		Session II: Clinical Correlations	
14:15	15:00	Multimodality 3D Imaging in Epilepsy	Joseph Camerone
15:00	15:45	Electrical Safety and Optimized cEEG Recordings in ICU/Critical Care	Brett Netherton, MS
15:45	16:30	Update for Evaluation of Pediatric Epilepsy	Cigdem Akman, MD
16:30	18:00	Hands-on Workshop I: Train of Four (TOF)	Rob Minahan, MD
16:30	18:00	Hands-on Workshop II: Transcranial Doppler (TCD) in the OR	Alex Razumovsky, PhD
16:30	18:00	Hands-on cEEG Workshop III: Precision Trending Protocols	Sabrina Galloway, BS
16:30	18:00	Hands-on Workshop IV: Magnetoencephalography Tour	James P Lowe, BS
SUN. APR 14. 2019 cEEG			
7:00	7:50	Breakfast with the Experts: The Future of EEG	
7:50	8:00	Welcome	
		Session I	
8:00	9:00	Continuous Quality and Cost Control Monitoring	Leah Hanson
9:00	10:00	Ambulatory Monitoring and Surgical Epilepsy Evaluation	Simon Griffin, BS
10:00	10:15	Break with Exhibitors & Posters	
		Session II	
10:15	11:15	Advanced Neurosurgical Techniques in Epilepsy	Saadi Ghatan, MD
11:15	12:15	Big Data in Neurocritical Care	Dick Moberg, MS
12:15	12:30	Refreshments with Exhibitors & Posters	
		Session III	
12:30	13:15	Magnetoencephalography: Dipoles & Tripoles in Epilepsy	John Ebersole, MD
13:15	14:15	Responsive Neural Stimulation: From Therapy to Diagnostic Tool	James P. Lowe, BS
14:15	14:30	JOINT SESSION - Awards & Certificates	

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Hands on Workshops:

Hands On Workshop: Train-of-Four (TOF) The Road Map & Benchmark of Reliability



Robert Minahan, MD
Department of Neurology
Georgetown University Medical Center

Robert Minahan, MD is Professor of Neurology and co-director of the Intraoperative Neuromonitoring service at Georgetown University. Dr. Minahan attended medical school at Duke University and stayed at Duke for an internship in Internal Medicine. He then completed his Neurology Residency and Clinical Neurophysiology Fellowship at Johns Hopkins University. Dr. Minahan joined the faculty at Johns Hopkins where he served as the director of the intraoperative Neuromonitoring service for over 6 years prior to his move to Georgetown. Dr. Minahan devotes his clinical efforts to intraoperative neuromonitoring with expertise in a wide range of neuromonitoring modalities applied to neurosurgical, orthopedic, otolaryngologic, and vascular surgeries. Dr. Minahan was the President of the American Society of Neurophysiological Monitoring for 2007 - 2008, served on the ASNM Board of directors from 2003 - 2009, and is a Fellow of the ASNM. He is the author of multiple original research papers, review articles, and book chapters in the area of intraoperative neuromonitoring.

Saturday April 13, 2019 at 4:30PM

This workshop will explore the methodology for testing and interpreting the validity of the TOF on various Neurodiagnostic Equipment in the OR, and will be led by Dr. Robert Minahan. Attendees will be able to see responses using various muscle groups and methods to display the data for efficient interpretation. TOF from the Hands, Feet and Facial Muscles will be targeted during the workshop.

Atlantic Health - Overlook Medical Center Neuroconference 2019

Hands On CEEG Workshop: Precision Trending Protocols to Augment Critical Care Recordings



Sabrina Galloway, BS, R.EEG/EPT, CNIM, CLTM, FASET
Director, Neurodiagnostic Services
Neuromonitoring Technologies, Inc

Sabrina has 40+ years of experience in neurodiagnostics taking care of patients ranging from the lab to the OR. Following completion of a business degree earned Summa Cum Laude she expanded her clinical career to executive management of two different IOM companies and now has shifted back to her roots in EEG building a remote ICU/EMU monitoring company, Neuromonitoring Technologies, Inc. She is past president of ASET & SSET and is the author of numerous book chapters and journal articles in the use of EEG in the ICU.

Saturday April 13, 2019 at 4:30PM

This workshop will introduce customized trending applications through case presentations and peer reviewed literature on a variety of equipment from different manufacturers. The goal is to be able to understand and build trending protocols specific for clinical diagnosis and monitoring of patients.

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Hands On Workshop: Transcranial Doppler (TCD) in the Operating Room as an Insight to Cerebral Hemodynamics: For Whom and How?



Alexander Razumovsky, PhD, FAHA
TCD Consultant
SpecialtyCare, Inc

Dr. Razumovsky holds a doctorate degree in Neurophysiology and a master's degree in Biophysics. He was founding director of Neurosonology services for the Johns Hopkins Hospital. In 2002, Dr. Razumovsky left Hopkins to join an IOM private practice with the goal of furthering the clinical applications of neurosonology. Dr. Razumovsky is internationally recognized for his basic and clinical research on the pathophysiology of Cerebral Blood Flow. He has published more than 60 scientific articles in peer-reviewed journals and has authored 33 book chapters. From 2001 to 2007 Dr. Razumovsky was appointed to the Board of Directors for the American Society of Neuroimaging, currently he serves as a member of the Program and Certification Committees of this society. In 2009 Dr. Razumovsky was honored by the American Society of Neurophysiological Monitoring when he was presented with their award for Scientific Achievement. In 2013 he was elected as a Secretary for NSRG WFN.

Saturday April 13, 2019 at 4:30PM

This workshop will explore IONM strategies to detect cerebral ischemia during carotid endarterectomy and cardiothoracic surgeries, and will be led by Alexander Razumovsky. The value of TCD monitoring for patients with potential onset of cerebral ischemia is an important clinical challenge. The best method for monitoring neurological intactness during such surgeries is controversial, with little agreement in the literature on the subject. There is still hesitation by insurers to accept TCD monitoring as a compensated activity but this is changing. The goal of this TCD workshop is to discuss established and new applications of TCD examinations. Participants will acquire knowledge of TCD monitoring during cardiovascular procedures and recognize the clinical value of emboli and cerebral blood flow velocity monitoring with TCD as a necessary and clinically valuable procedure.

A Few of our Distinguished Speakers:



Lawrence Wierzbowski, AuD, DABNM, FASNM
President, Avatrade LLC



Anthony Sestokas, PhD, DABNM, FASNM
Chief Clinical Officer, SpecialtyCare Inc.



Michael Riley, MS, CNIM
President and CEO
Peak Neurophysiology Group, LLC



Aatif Husain, MD
Professor of Neurology, Duke University



Kent Rice, MS, REPT, CNIM, DABNM, FASNM
Senior Manager of Education and Training
NuVasive Clinical Services



Cheryl Wiggins, AuD, DABNM, CNIM
VP of IONM Education and Clinical Performance,
SpecialtyCare Inc.



Cigdem Aktam, MD
Chief, Division of Child Neurology
Columbia University



Faisal Jahangiri, MD, CNIM, DABNM, FASNM
Vice President of Clinical Affairs
Axis Neuromonitoring, LLC

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CALL FOR NEURODIAGNOSTIC POSTERS

On behalf of the organizational committee of the 2019 annual meeting, we would like to invite you to submit research posters for our annual Atlantic Health Overlook Neuroconference to be held at **Overlook Medical Center** in Summit, NJ- April 13 & 14, 2019.

Please follow the instructions below for submission.

Submit Poster by Email to: Faisal.jahangiri@gmail.com

Faisal R. Jahangiri, MD, CNIM, D.ABNM, FASNM
IONM Program Chair

Submission Deadline:

March, 8th 2019

11:59 p.m. Eastern Standard Time

SUBMISSION DEADLINE

All posters must be submitted by Friday, March 8th, 2019, no later than 11:59 p.m., EST. Any posters received after the deadline will not be considered.

GENERAL SUBMISSION GUIDELINES:

- Posters must be submitted only in English.
- Posters should be limited to 350 words.
- Posters must be submitted only in 36 (height) x 48 (width) inches size.
- The poster must be submitted only once.
- Poster with deferred data will NOT be considered.
- Posters must be submitted as PowerPoint document.
- All authors should be listed with their credentials, certifications and contact info
- Names should be listed as Last name, First and Middle initial format.
- All upper cases should not be used.
- Acronyms should be completely spelled (no abbreviations).
- Posters should have an introduction, background, methods, results, data, & conclusion.

DISCLOSURE INFORMATION

All authors with accepted posters will be required to sign a conflict of interest and FDA disclosures form.

POSTERS REVIEW & DISCOUNT:

The scientific committee will review all submission and will notify only authors with accepted posters by Friday, March 15th, 2019. All selected poster will be displayed in both printed and electronic form. **Presenting authors with accepted posters will get a \$75 discount for registration.**

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