LAWRENCE J. HIRSCH, M.D.

Professor of Neurology, Yale University
CURRICULUM VITAE
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PERSONAL DATA:

Birth: New Brunswick, NJ, U.S.A.
Citizenship: United States

EDUCATION:

UNDERGRADUATE: 1983 - 1987
University of Pennsylvania, Philadelphia, PA.
Received B.A. in Computer Medicine (individualized major)
Summa cum laude. Phi Beta Kappa.

MEDICAL SCHOOL: 1987 - 1991
Yale University *School of Medicine*, New Haven, CT.
Received M.D. June 1991. Class co-president. Student body president.

POSTGRADUATE TRAINING:

MEDICINE INTERNSHIP: 1991 - 1992
Yale-New Haven *Hospital*, New Haven, CT

NEUROLOGY RESIDENCY: 1992 - 1995
Columbia University, Neurological Institute, New York, NY
Chief Resident (selected by Lewis P. Rowland, Chair) 1994-1995

CLINICAL FELLOWSHIP IN EPILEPSY/EEG: 1995 - 1997
Columbia University Comprehensive Epilepsy Center, Neurological Institute,
New York, NY. Director: Timothy A. Pedley, MD.

MEDICAL LICENSURE:

New York State License # 197973 1994-2012; 2020-
Connecticut State License # 49900 2011-
D.E.A. License # BH4413023 1994-

BOARD CERTIFICATION:

Medicine: National Board of Medical Examiners 1992

Neurology: American Board of Psychiatry and Neurology 1996-2006
- Recertification 2006-2016
- Recertification (#42838) 2016-lifelong

Clinical Neurophysiology: American Board of Psychiatry and Neurology 1997-2007
- Recertification (certif #839) 2007-2017
- Recertification (certif #839) 2018-lifelong

Clinical Neurophysiology:	American Board of Clinical Neurophysiology	1997-2007
	• Recertification	2007-lifelong
Epilepsy:	American Board of Psychiatry and Neurology (certificate #190, 11/5/2013)	2013-lifelong

MILITARY SERVICE: None

PROFESSIONAL ORGANIZATIONS and SOCIETIES:

American Medical Association
American Academy of Neurology (Fellow)
American Epilepsy Society (Fellow)
American Clinical Neurophysiology Society (Fellow)
Neurocritical Care Society (Charter member)
American Neurological Association (Fellow)

ACADEMIC APPOINTMENTS

Associate in Neurology, Columbia University, New York, NY	1997-1998
Assistant Professor of Clinical Neurology, Columbia Univ., New York, NY	1998-2003
Associate Clinical Professor of Neurology, Columbia Univ., New York, NY	2003-12/31/2009
Professor of Clinical Neurology**,** Columbia University, New York, NY	1/1/2010-4/30/2011
Adjunct Professor of Clinical Neurology, Columbia University, NY, NY	5/1/2011-5/1/2012
Professor of Neurology, Yale University, New Haven, CT	5/1/2011-

HOSPITAL APPOINTMENTS (New York til 2011, then New Haven, CT):

Associate Neurologist, Presbyterian Hospital, Columbia-Presbyterian Med Ctr	1997-1998
Associate Attending Neurologist, White Plains Hospital and The Neurology Group of Westchester, P.C., White Plains, NY	1997-2003
Assistant Attending Neurologist, New York-Presbyterian Hospital	1998-2003
Associate Attending Neurologist, New York-Presbyterian Hospital	2003-2009
Attending Neurologist, New York-Presbyterian Hospital	1/1/2010-4/30/2011
Attending Neurologist, Yale-New Haven Hospital, New Haven, CT	5/1/2011-

OTHER HOSPITAL TITLES (all at NY-Presbyterian Hospital-Columbia campus, New York, NY until 5/1/2011, then Yale):

Attending, Comprehensive Epilepsy Center	1997-2011
Attending, Division of General Neurology	1997-2001
Director, Epilepsy Clinic	1997-2002
Director, General Neurology Clinic	1998-2001
Neurology Consultant, Columbia Univ. Athletic Department	1998-2002
Director, Continuous EEG Monitoring Program	2002-2011
Director, Clinical Neurophysiology (including ACGME Fellowship Program)	2010-2011

YALE:

Chief, Division of Epilepsy and EEG, Yale Univ	5/1/2011-9/1/2024
Co-Director, Yale Comprehensive Epilepsy Center	5/1/2011-
Co-Director, Critical Care EEG Monitoring, Yale-New Haven Hosp	5/1/2011-
Program Co-Director, Critical Care EEG Fellowship Program	7/1/2012-
Program Director, Epilepsy ACGME Fellowship Program	2014-2016

Program Director, Clinical Neurophysiology ACGME Fellowship	2019-2025
Academic Chief, Division of Epilepsy & EEG, Yale Univ	9/1/2024-

HONORS (selected):

Phi Beta Kappa, Univ. of Pennsylvania	1986
Summa Cum Laude, Univ. of Pennsylvania	1987
Class Co-President, Yale Univ. School of Medicine (elected)	1988
Student Body President, Yale Univ. School of Medicine (elected)	1989
Co-Chief Resident (Neurology Residency Program), Columbia Univ Medical Center (selected by Chairman and Executive Committee)	1994
Lewis P. Rowland Teaching Award for Outstanding Teaching (Awarded by Columbia neurology residents)	1998 and 2008
Director, General Neurology Clinic (appointed by chairman)	1997-2001
Director, Epilepsy Clinic (appointed by Director, Epilepsy Center)	1997-2002
Director, visiting student ambulatory care neurology rotation (appointed by Chairman)	1997-2002
Fellow, American Clinical Neurophysiology Society	2005-
Founder and Chair, American Clinical Neurophysiology Society's Critical Care Monitoring Committee (became the **Critical Care EEG Monitoring Research Consortium;** increased from 8 member centers to >50 from N. Amer and Europe as of 2019)	2006-2011
Chair, American Epilepsy Society Student and Resident Education Committee	2006-2009
Examiner, American Board of Clinical Neurophysiol Part II (oral EEG boards)	2007
Member, Organizing Committee and head of writing committee for the NIH Workshop on Sudden Unexplained Death in Epilepsy (SUDEP)	2008-2010
Scientific Program Chair, American Clinical Neurophysiology Society Annual meetings (selected by President, ACNS)	2006, 2010
Chair, Professional Advisory Board, Epilepsy Society of Southern NY	2009-2011
Fellow, American Academy of Neurology	2009-
Visiting Professorship, Northwestern Univ Dept. of Neurology, Chicago IL	2009
Charter Member, American Board of Registered EEG Technologists Lab Accreditation Board (ABRET-LAB) for Long-Term Monitoring	2010-2013
Keynote Speaker, Dartmouth Epilepsy Program Annual Retreat, Stowe, VT	2011
Donald P. Granger Lecturer, Annual Neurology Granger Memorial Lecture, Bridgeport Hosp, Bridgeport CT	2012
Gloor Lecturer and Grand Plenary Speaker for the Canadian Neurological Sciences Federation 47th annual meeting, Ottawa, Ontario, **Canada**	2012
Councilor, American Academy of Neurology Epilepsy section	2012-
Chair, American Epilepsy Society's Research Infrastructure Award Committee	2010-2013
Fellow, American Neurological Association	2012-
Sahlie Distinguished Lecturer, University of Alabama at Birmingham	2013
Member, American Epilepsy Society's Q-PULSE expert panel	2013-2018
Visiting Professorship, Mayo Clinic Dept. of Neurology, Rochester MN	2013
Attending of the Year award, Yale University (awarded by Yale neurology residents for excellence in teaching)	2013
Keynote Speaker, Norwegian Clinical Neurophysiology Society	2013
Founding Co-chair, American Clinical Neurophysiology Society's Clinical Research Committee	2013-2015
Founding Co-chair, American Clinical Neurophysiology Society's Research Highlights	2014-2017
New York's Best Doctors, New York Magazine	2014
Visiting Professorship, Riyadh Military Hospital, Riyadh, **Saudi Arabia**	2014

Founder and Co-moderator, Research Highlights platform session, American Clinical Neurophysiology Society annual meeting	2015-2020
Member, American Academy of Neurology's Epilepsy Expert Review Panel	2015-2020
Best Doctors, New Haven Living	2015
Visiting Professorship, Univ of Pittsburgh Medical Center, Pittsburgh, PA	2016
Fellow, American Epilepsy Society	2016-
Member, American Brain Foundation's Expert Review Panel	2017-2021
Co-chair, Medical & Scientific Advisory Board, The NORSE Institute	2017-
Top Doctors, Connecticut Magazine	2018-
Insley Lecturer, Dept of Neurology, Univ of Rochester, Rochester, NY	2018
Chair, Study Section, Dept. of Defense Epilepsy Research Program	2018
Member, National Professional Advisory Board, Epilepsy Foundation	2018-2021
Co-chair, American Epilepsy Society's Epilepsy Therapy Symposium Committee	2018-2020
Plenary speaker, Epilepsy Society of **Australia,** Sydney	2019
Co-chair, American Clinical Neurophysiology Society's Development Committee	2019-2024
Co-chair, Clinical Action workgroup, SUDEP Summit, Epilepsy Foundation	2020
Plenary speaker, **Brazilian** Congress of Clinical Neurophysiology	2020
Plenary speaker, **Hong Kong** Epilepsy Society	2020
Plenary speaker, **China** Association Against Epilepsy	2020
Council member, American Clinical Neurophysiology Society	2020-2023
Presidential Symposium Keynote Speaker, **German** Society for Clinical Neuro-Physiology	2021
Plenary speaker, Hot topics symposium, American Epilepsy Society	2021
Pellar Visiting Professor, Mayo Clinic, Jacksonville, FL	2022
Keynote lecturer, Inaugural Belgian Clinical Neurophysiology Society and Belgian Neurology Soc. Annual meeting, Louvain-la-Neuve, **Belgium**	2024 (Mar)
Plenary speaker, Santiago International Neurological Symposium, Santiago, **Chile**	2024 (Jul)
Keynote lecturer, 100th Anniversary of the first human EEG Conference, Parma, **Italy**	2024 (Oct)
2nd Vice President, American Clinical Neurophysiology Society	2025 (Feb)
Pierre Gloor Award and Lecturer, American Clinical Neurophysiology Society (for outstanding current contributions to central clinical neurophysiology research), Baltimore, MD	2025 (Feb)

FUNDED RESEARCH PROJECTS:

Completed studies:

External Responsive Neurostimulator Study, multicenter. Co-investigator and site primary device programmer. Funded by Neuropace, Inc. Completed 2005.

Responsive Neurostimulator Study Safety and Feasibility Study, multicenter. Co-investigator and site primary device programmer. Funded by Neuropace, Inc. Completed 2005.

A randomized, double-blind, placebo-controlled trial of donepezil for memory dysfunction in patients with epilepsy. Principle Investigator. Funded by Pfizer for $32,500. Completed 2006.

Cardiac effects of seizures in children: a pilot study. Faculty supervisor and P.I. Funded by the National Epifellow Foundation ($20,000, grant to Kelly Knupp, MD, epilepsy fellow; transferred to Danielle McBrian, MD). Completed 2008.

Treatment for psychogenic nonepileptic seizures: A pilot, 12 week, prospective, randomized, placebo-controlled, double-blind, clinical trial of sertraline in the treatment of comorbid psychiatric disorders in non-epileptic seizures. Medical Safety Monitor (no funding for this portion). P.I.: W. Curt LaFrance, Jr., MD, Brown Medical School. Funded by The National Institute of Neurological Disorders and Stroke (NINDS) (1 K23 NS 45902-01). Completed 2008.

Stimulation of the Anterior Nucleus of the Thalamus for Epilepsy (SANTE) trial, multicenter. Co-investigator and site primary device programmer. Funded by Medtronics. Completed 2008.

A Phase 2a, Open-label, Proof-of-Concept Study to Evaluate the Efficacy, Safety, and pharmacokinetics of Intranasal Clonazepam in Adult Subjects with Epileptic Seizures, multicenter. Site Principle Investigator. Funded by Jazz Pharmaceuticals. Started June 2008, completed February 2009.

Convulsive and non-convulsive epileptic activity and biomarkers of cellular injury. Faculty supervisor and P.I. (first year), then co-investigator. Funded by the Epilepsy Foundation as a Post-doctoral Research Training Fellowship for Clinicians, $40,000 awarded to Derek Chong, MD (epilepsy fellow) 2006. Completed 2008.

Responsive Neurostimulator Study Pivotal Efficacy Trial, multicenter. Site Principle Investigator and primary device programmer, Columbia Univ, until 5/1/2011; then investigator at Yale Univ. Funded by Neuropace, Inc. Started 2007, enrollment complete 2009, completed 2011.

Continuous EEG in sepsis-associated encephalopathy. Principal Investigator (with fellow, Emily Gilmore) until 5/1/2011 at Columbia, then investigator. Funded by the American Epilepsy Society and Epilepsy Foundation (Senior Initiative award), $75,000. Started October 2009. Enrollment completed 2011.

SIRPIDs: nature and clinical significance. Faculty advisor for Nicolas Gaspard, MD, PhD. 2011-2013 Postdoctoral Research Fellowship, Belgian American Education Foundation, $35,000.

SIRPIDs: nature and clinical significance. Faculty advisor for Nicolas Gaspard, MD, PhD. 2011-2013. Research Fellowship for Young Investigators, Belgian Neurological Society, 10,000€.

SIRPIDs: nature and clinical significance. Faculty advisor for Nicolas Gaspard, MD, PhD. 2011-2013. Postdoctoral Fulbright Scholarship. Commission for Educational Exchange Between the USA and Belgium, $2,500.

Multimodality Mapping of Language Areas for Epilepsy Surgery. Faculty advisor for Nicolas Gaspard, MD, PhD. 2012-2014. Postdoctoral Research Fellowship, Epilepsy Foundation of America, $45,000.

Critical Care EEG Monitoring Research Consortium. Founder (2006), Chair and Principle Investigator of Consortium 2006-2011, then past Chair and site P.I (Yale) 2011- . Funded by American Epilepsy Society Research Infrastructure Award 2008-2009 for $75,000 (total, divided among centers), renewed for 2009-2010 at $50,000. 10 centers in U.S. and Canada, expanded to 17 centers by 2011 and 28 by 2013. Re-funded by AES Research Infrastructure award 2014-2015, $50,000 (divided among centers).

The Epilepsy Bioinformatics Study. Co-investigator. (P.I.: J Engel, UCLA). National Institutes of Health. 1P20NS080181-01, Exploratory grant program in disease modification and prevention in the epilepsies. 2012-2015. 0.6 months without salary support. $1500 for travel.

The Role of EEG-fMRI in Prediction of Seizure Outcome after Stimulation of the Centromedian Nucleus in Patients with Lennox-Gastaut Syndrome. Co-investigator. (P.I.: R. Alkawadri). 2013-2015. Funded by The Swebilius Foundation.

Seizure Clusters: Definition, Natural History and Consequences. Co-investigator (P.I.: K. Detyniecki). 2013-2017. Prospective, observational, investigator-initiated study. Funded by Upsher-Smith.

Responsive Neurostimulator Study Trial Long-term Extension, multicenter. Site Principle Investigator and device programmer, Columbia Univ, until 5/1/2011; then investigator at Yale Univ. Funded by NeuroPace, Inc. Payment per patient. Started 2006, planned until 2018 (10 year follow up study).

Understanding Potentially Harmful EEG Patterns in Patients with Acute Brain Injury and Critical Illness. Mentor to Emily Gilmore, MD. American Brain Foundation/American Academy of Neurology Clinical Research Training Fellowship, 2015-2018.

Mapping Cortical Language Boundaries in Neurosurgical Planning: Validation of a novel fMRI protocol. Mentor to Christopher Benjamin, PhD, who is P.I. KL2, Yale Center for Clinical Investigation (YCCI). 2016-2019.

FLARE trial: Feasibility Study on Laser Thermal Ablation for the Treatment of Medically Refractory Epilepsy. Site P.I. Funded by Monteris Medical Corp. Payment per patient.

Seizure Clusters in Children: Definition, Natural History and Consequences. Co-investigator (P.I.s.: K. Detyniecki; T. Loddenkemper). Prospective, observational, investigator-initiated, 2-center study (Yale and Harvard/Boston Children's). Funded by Upsher-Smith. 2016-2020.

Responsive Neurostimulator Post-Approval Study. Site Principal Investigator. Yale Univ. Funded by NeuroPace, Inc. Payment per patient. 1% effort. 2018-2022.

Machine Learning for locating the seizure onset area and predicting the onset of seizures. Sub-investigator (PI: H. Zaveri). Swebilius Foundation. No salary support. 2020-2022.

Focal brain cooling. Sub-investigator (PI: H. Zaveri). Swebilius Foundation. No salary support. 2019-2022.

Acute EEG and MRI Biomarkers of Post-Traumatic Epilepsy. Sub-investigator. (PI: Jennifer Kim). Swebilius Foundation. No salary support. 2019-2023.

An Investigator-initiated, Prospective, Multi-center, Controlled Feasibility Study of Direct Brain Recording and Stimulation for Memory Enhancement.
Data and Safety Medical Monitor. (P.I. Michael Kahana, U. Pennsylvania). DARPA. MEMES-2014-01. 0.1 calendar months/yr without salary support. 2014-2024.

The Antiepileptic Drug Database Project and the Computer-Assisted Rational Epilepsy Therapy (CARET) Project. **Principal Investigator** 2002 - 2011, then co-investigator. Funded between 2002-2024 by Ortho-McNeil, Elan, Pfizer, GlaxoSmithKline, UCB, Novartis, Eisai, Sunovion, Upsher-Smith, Acorda, Proximagen and Lundbeck. Total funding: >$800,000. Currently >4500 patients and >35,000 serum levels in database. Started 2002, ongoing. Became the Columbia-Yale AED Database Project 2012-2020, then the Columbia-Yale-Miami AED Database Project 2020 and after.

START Trial: Early Feasibility Study of Thalamic Stimulation to Prevent Impaired Consciousness in Epilepsy. Sub-investigator (PI: Hal Blumenfeld). NIH-NINDS UG3-UH3 and Medtronic. 0.1 calendar months/yr without salary support. 2019-2024.

Network Analysis for epilepsy surgery.
Sub-investigator (co-PIs: H. Zaveri, T. Eid). NIH RO1. $1.5 million. 1% effort (0.12 calendar months/yr). 2019 – 2024.

VIGAB-STAT: VIGABatrin in post-anoxic STATus epilepticus.
Co-investigator. American Heart Association $200,000. (PI: C. Maciel, U. Florida). 1% effort. 2022-2024.

SAFER: Seizure Assessment and Forecasting with Efficient Rapid-EEG.
Site PI, Co-investigator. Ceribell, Inc. $200,000 (4 sites) (PI: A. Struck, U. Wisconsin). 1% effort. 2022-2024.

Ongoing/future funded studies:

Agency: **PCORI** (Patient-Centered Outcomes Research Institute).
Title: **Comparing the effects of anakinra and tocilizumab on outcomes in patients with New-Onset Refractory Status Epilepticus. 33-center international clinical trial.**
Main PI: Hirsch
Role: P.I.
Co-PIs: Drs. Eschbach, Gopaul, Wong.
Percent effort: 50%
Award Amount: $15.7 million over 5 years
Project period: 10/2025 – 9/2030.

The Yale Epilepsy Surgery Database.
Co-PI (Hirsch and Gopaul). Swebilius Foundation. $24,000. 1% effort. 7/2024-6/2025

The Yale NORSE/FIRES open biorepository; Lawrence J. Hirsch (P.I.). An open research biorepository that accepts and provides standard analyses of CSF, serum, and tissue samples from patients anywhere in the world with NORSE/FIRES. Additional samples are biobanked for future research and made available to qualified investigators.
Principal Investigator. Funded by the Yale NORSE/FIRES Biorepository Fund (private donors). $1.1 million. 5% effort. 2022 – 2027.

NORSE (New-Onset Refractory Status Epilepticus) Prospective Observational Multicenter Trial and Biobank.
Co-PI (with N. Gaspard) of this 26-center study, funded by The Daniel Raymond Wong Neurology Research Fund at Yale. $250,000. 2% effort without salary support, 2017 – 2025.

ELECTRO-BOOST: Electroencephalography for cerebral trauma recovery and oxygenation.
Sub-investigator. NIH RO1. $3.2 million. (PI: E. Gilmore). 1% effort (0.1 calendar months/yr). 2020-2025.

ROSES: Randomized trial on seizure education and seizure action plans.
Sub-investigator. UCB Pharma. $392,000. (PI: H. Altalib). 0.1 calendar months/yr (1% effort). 2023-2025.

Pending Grants

Agency: NIH/NINDS
ID#: Rare Diseases Clinical Research Consortia (RDCRC) for the Rare Diseases Clinical Research Network (RDCRN) (U54 Clinical Trial Optional); PAR-24-206
Title: ARISEN - Autoimmune Research in Inflammation and Status Epilepticus Network
Main PI: Grace Gombolay, MD - Emory University
Yale Site PI: **Lawrence J. Hirsch, MD**
Yale Site Co-I: Margaret Gopaul, PhD., MSCP
Percent Effort: 3%
Award Total: $5,000,000 (direct cost over 5 years)
Submitted: August 2024
Award Cycle: Scientific Merit Review: February 2025 | Advisory Council Review: May 2025
Start Date: July 2025
Project Period: 08/2025 - 07/2030 (if awarded)

Agency: NIH/NINDS

ID#:	Translational Neural Devices (R61/R33 - Clinical Trial Optional); PAR-25-053
Title:	Digital Response Testing in Epilepsy (DigRTEpi): Development of an Intelligent System for Assessing the Impact of Epileptiform Discharges on Cognition, Attention, and Driving Fitness
PIs (multiple):	Hal Blumenfeld, MD, **Lawrence J. Hirsch, MD**, Margaret Gopaul, PhD., MSCP, and Heinz Krestel, MD
Percent Effort:	7%
Total Costs:	$2,500,000 (direct costs over 5 years)
Submitted:	January 2025
Award Cycle:	Scientific Merit Review: July 2025 | Advisory Council Review: October 2025
Start Date:	December 2025
Project Period:	01/2026 - 01/2031 (if awarded)

DEPARTMENTAL AND UNIVERSITY COMMITTEES:

(At Columbia until 5/1/2011, then at Yale)

Neurology Residency Selection Committee, primary interviewer	1998-2010
Finances Task Force, Dept. of Neurology	2002-2003
Clinical/DPO subcommittee	
Billing subcommittee	
Individual Faculty Advisor, Neurology Residents	2003-2006; 2008-
Operations Clinical Information Council	2003-2004
Quality Assurance Committee, Dept. of Neurology	2005-2010
Program Director, Clinical Neurophysiology ACGME Fellowship Program	2010
----------Move to Yale Univ School of Medicine, May 2011----------	
Grand Rounds Planning Committee, Dept. of Neurology	2011-2014, 2017
Pediatric Neurology Search Committee, Dept. of Pediatrics & Neurology	2011-2015
Pediatric Epilepsy Search Committee, Dept. of Pediatrics & Neurology	2011-2016, 2018
Chair, Neuropsychology Search Committee, Dept. of Neurology	2013-2014
Appointments and Promotions Committee, Dept. of Neurology	2011-
Program Co-Director, Critical Care EEG Fellowship	2012-
Neurology resident mentor	2012-2015
Senior Appointments and Promotions Committee, Yale U. School of Medicine	2013-2016
Academic Scorecard Committee, Dept. of Neurology	2013-2018
Efficiency Committee, Dept. of Neurology	2014-2015
Program Director, Epilepsy ACGME Fellowship Program	2014-2016, 2023-
Program Director, Clinical Neurophysiology ACGME Fellowship Program	2019-2025

TEACHING RESPONSIBILITIES: (At Columbia until 5/1/2011, then at Yale)

Director of general neurology clinic (appointed by chairman)	1997-2001
Director of epilepsy clinic (appointed by director of epilepsy center)	1997-2002
Director, visiting student ambulatory care neurology rotation (appointed by chairman)	1997-2002
On-service 1-2 months/year (neurology consult or ward service)	1997-2010
Faculty advisor for neurology residents graduating in 2001 (appointed by chairman and residency director).	1998-2001
Neurology morning report (for residents; attendings selected by neurology chairman; ~4-6 weeks/year 1999-2007, then ~20 days/year 2007-)	1999-2011
Neurology Chief of service rounds (for residents and medical students; attendings selected by neurology chairman; 2-5/year)	1999-2011

Preceptor for 4th year medical student elective (selected by individual students)	1997-2004
Preceptor for international medical student elective rotations	1997-2003
Preceptor for psychiatry residents' neurology rotations (selected by individual residents)	1997-2002
Member, American Epilepsy Society Student and Resident Education Committee	2000-2009
Clinical Mentor for individual Neuroscience MD-PhD students (Thalia Robakis; Neil Gray)	2003-2006
Research Mentor, Neurology residents (Christopher Anderson, Trudy Pang, Babak Morvarid, Craig Chang, Sara Inati, Shanna Patterson, Brandon Foreman, Emily Gilmore)	2004-2011
Vice-chair, American Epilepsy Society Student and Resident Education Committee	2005-2006
Chair, American Epilepsy Society Education Committee	2006-2009
Neurology resident research mentor, 1-3 residents/yr	2002-2011
Examiner, neurology resident oral evaluations	2003-2009
Epilepsy Fellow Teaching Roundtable, weekly conference	2004-2011
Video/EEGs of the week, Resident and Student conference, weekly	2001-2008
Guest Faculty, Internal Medicine Hospitalist Rounds, 1-3 times/year	2004-2007
Faculty mentor, Medical student first year doctor-patient relationship course	2006-2011
Neurology resident & fellow urgent EEG interpretation lecture series	2006-2011
Epilepsy conference for neurology residents, weekly	2008-2011
External examiner for M.D. thesis, Faculty of Medicine and Health Sciences of the Royal College of Surgeons, Ireland	2009
Faculty mentor for high school science student, Ossining, NY	2009-11
Faculty mentor for high school science student, Bellmore, NY	2010-12
Individual Faculty Advisor, Neurology Residency Class of 2011, 2012	2009-2011

Yale:

Epilepsy lecture to Yale med student class, annually	2012-2015
Faculty Advisor, individual neurology residents (Irene Yang; Robert Kowalski)	2012-2015
General Neurology inpatient or consult service attending, 2-4 weeks/year	2011-2024
Interesting video/EEG and epilepsy cases, weekly conference	2011-
Epilepsy weekly surgical case conference	2011-
Epilepsy research seminar/MACSIE, weekly conference, co-director	2011-
Neurology morning report, several/year	2011-
Epilepsy Fellows Lecture Series, several /year	2011-
Neurology Chief Rounds, 1-2/year	2012-2022
Co-director and co-moderator, Yale Epilepsy Research Retreats (q18 months)	2011-

INVITED LECTURES:

At Columbia University Medical Center (until 5/1/2011):

Epilepsy Research Seminar talks (1-2/year, 1997-2011):

Cavernous malformations; Hypothalamic hamartomas; EEG monitoring in the ICU and the ictal/interictal continuum; MR spectroscopy and epilepsy; perioperative seizures; SIRPIDs (stimulus-induced rhythmic, periodic or ictal discharges); Subtraction SPECT; Epilepsy Surgery Database Results; Columbia AED Database Results (many lectures on various subtopics); Brain stimulation for epilepsy; Ictal EKG changes; SUDEP; Status Epilepticus: Treatment of Nonconvulsive Seizures; Neurophys Bowl parts I-III; journal clubs and national meeting highlight summaries.

Other epilepsy talks (for residents and fellows, many annually, 1997-2011):

Introduction to EEG; Normal adult EEG; EEG in metabolic disease and coma; Epilepsy in the elderly; First Seizure; Practical AED use parts I and II; Status epilepticus; Benign EEG variants; Evoked Potentials; New onset epilepsy; Epilepsy presurgical evaluation; Epileptiform discharges; Continuous EEG monitoring in the critically ill; Nonconvulsive Seizures and Periodic Discharges; Status Epilepticus; Seizure

semiology; Emergency EEG: what you need to know in the middle of the night (3-4 times/year, 2006-); Quantitative EEG techniques; Clinical Epilepsy Introduction For Neurology Residents (2007-)

General Neurology Talks (for residents, 1997-2001):
LBP/lumbosacral radiculopathy; Normal Pressure Hydrocephalus;

Adult Neurology Grand Rounds:
1997: CPC (SSPE)
1999: CPC (multiple strokes from nonbacterial thrombotic endocarditis)
2004: Continuous EEG Monitoring in the Critically Ill
2008: Continuous EEG: The Next Frontier of Critical Care Monitoring
2009: CPC (CNS vasculitis; Amyloid-beta related angiitis)

Pediatric Neurology Grand Rounds
2004: Use of Antiepileptic Drugs in Children: results from the Columbia AED Database

Neurosurgery Grand Rounds
1999: Perioperative Seizures: prevention and management
2010: Brain Stimulation for Epilepsy

Housestaff Emergency Lecture Series, Dept. of Medicine: seizures and status epilepticus (annual)	1997-2002
Medical ICU attending lecture series: status epilepticus	2001
Dept. of Medicine, Allen Pavilion Resident Neurology Case Conference	2003
Dept. of Medicine Grand Rounds, Allen Pavilion. Epilepsy Update	2004
Dept. of Medicine CPC (HIV, PML, nonconvulsive status epilepticus)	2004
Dept. of Medicine Hospitalist Rounds, Guest Attending	2004
Dept. of Pediatrics, PICU lecture series: Continuous EEG Monitoring in critically ill children	2004

Critical Care Grand Rounds
1999: Status Epilepticus
2004: EEG monitoring and seizures in the critically ill

Emergency Medicine Grand Rounds:

Management of First Seizure	1997
Seizures and status epilepticus	2005

Epilepsy Awareness Day: annually, 2002-
Antiepileptic Drugs for patients and caregivers; surgery and device treatment for epilepsy; alternative treatments for epilepsy; sports & epilepsy

Epilepsy and its psychiatric aspects, combined psychiatry & neurology retreat, Purchase, NY, 2002. Epilepsy section head.	2002
Surgical ICU Lecture Series: Status epilepticus, AEDs and EEG monitoring	2004
Neuro ICU Nurse Practitioner Lecture Series: EEG monitoring	2006
Dept. of Psychiatry, Div. of Brain Stimulation & Therapeutic Modulation Brain stimulation in epilepsy: diagnostic & therapeutic potential	2007
Neuropsychology Lecture Series: Seizure semiology	2008-
Neonatology research conference : Neonatal EEG monitoring	2008

At Yale University (after 5/1/2011)

Epilepsy Research Seminars, 1-2/year 2011-
The Antiepileptic Drug Database;
Multimodality monitoring of acute seizures
SUDEP
Electrocorticography
Seizure videos on the internet: friend or foe?
New seizure classification system
Continuous EEG Monitoring
Responsive Neurostimulation Updates
Neuromodulation
Seizure clusters and rescue therapy
ICU EEG Monitoring

Refractory status epilepticus
Chronic ambulatory intracranial EEG
NORSE/FIRES
Epilepsy Research at Yale: Past, present and future

Epilepsy Fellows' lecture series, multiple/year: 2011-
Benign EEG variants
ICU-EEG I and II
SUDEP
Quantitative EEG
New ICU EEG Terminology
Neurophys Bowl
Current Practice of Clinical EEG, chapter reviews (~10/yr)
Classic journal article reviews
Seizure clusters and rescue therapy
Status epilepticus

Surgical ICU noon lecture series: Management of seizures in the ICU 2011-2012
Neurology Resident Evening Lectures, "How to read an EEG in the` middle of the night" (couple/year) 2012-2016
Medical student clinical neuroscience course: Epilepsy 2012-15
Neurology Grand Rounds: 2016
Critical Care EEG Monitoring: Past, present and future
ICU-EEG Conference, monthly 2016-
Neurology Resident Lecture Series: Status Epilepticus 2016-
Neurology Resident Lecture Series: Seizure clusters/Rescue Treatment 2021-
Neurology Clinical Skills Tutorial (for med students), 1-3/yr 2022

Invited Talks Outside of home institution, U.S.:

Grand Rounds, Dept. of Neurology, White Plains Hospital: annually 1997-2003
status epilepticus; new AEDs; epilepsy updates; perioperative seizures
Grand Rounds, Dept. of Neurology, *Penn State*, Hershey, PA: 1998
MR Spectroscopy and epilepsy
White Plains Hosp. Stroke Support Group (White Plains Hosp): 2000
Stroke and seizures
Epilepsy Foundation of NYC (Manhattan): 2000
AEDs (for patients and caregivers)
Epilepsy Foundation of NJ: Epilepsy surgery and Vagus Nerve Stimulation; 2001
New Antiepileptic Drugs (for patients and caregivers).
Critical Care Update (weekend seminar, Manhattan): 2001
refractory status epilepticus
Multi-center dinner seminar, Manhattan: Acetylcholine, memory & epilepsy. 2001
Dominican College, Orangeburg, NY: Sports and Epilepsy (for patients and caregivers; sponsored by EFSNY) 2003
American Epilepsy Society annual meeting, Boston 2003
EEG Monitoring in the Critically Ill: Overview and practical tips
(in Investigator's Workshop "Nonconvulsive Status Epilepticus and ICU EEG monitoring", director: L. Hirsch)
American Academy of Neurology annual meeting, San Francisco: 2004
1. Treatment of status epilepticus: Easy and Hard (in course on "Epilepsy Therapy", director J. French)
2. Continuous EEG Monitoring in the Critically Ill (in course on "Critical Care Epilepsy/EEG, director L. Hirsch)

Grand Rounds, Dept. of Neurology, *University of Arkansas* 2004
Continuous EEG Monitoring in the Critically Ill

American Academy of Clinical Neurophysiology annual meeting, Phoenix 2005
Continuous EEG Monitoring (in course on Critical Care
Clinical Neurophysiology, director: L. Hirsch)

Managing seizures in patients with brain tumors. 2004
In NY-Presbyterian Hospital CME course "Brain Tumors:
Advances in diagnosis and treatment", Manhattan

Update on Epilepsy and Sleep Disorders for Neurologists, Tarrytown, NY 2004
(CME course; director, L. Hirsch)

1. Nonconvulsive Status Epilepticus in the Critically Ill
2. Syncope versus seizure
3. Head-to-head comparison of the newer AEDs: the real-world differences
4. Brain stimulation for epilepsy

Grand Rounds, Stamford Hospital, Stamford CT 2004
Detection of seizures and ischemia with continuous EEG monitoring

American Academy of Neurology annual meeting, Miami 2005

1. Diagnosis and management of nonconvulsive and convulsive status epilepticus (in course "Clinical Epilepsy", director: J. French)
2. Continuous EEG Monitoring (in course "Critical Care Epilepsy/EEG", director L. Hirsch)
3. Practical treatment of status epilepticus (in course "Critical Care Epilepsy/EEG", director L. Hirsch)
4. Video/EEG monitoring in the ICU (in course "Video/EEG monitoring: Practice, tools and tips", director E. So)

Charles Henry Society, Teaneck NJ
Continuous EEG Monitoring in the critically ill 2005

Grand Rounds, Dept. of Neurology, *University of Vermont* 2005
Brain Monitoring with EEG in the Critically Ill

American Epilepsy Society/American Clinical Neurophysiology joint
annual meeting, Washington D.C. 2005

1. Annual Course: Controversy: Resolved: In nonconvulsive status epilepticus, treat the EEG to burst-suppression: Con.
2. Plenary session: Brain Monitoring with continuous EEG in the critically ill: What we've learned and where we should be going.
3. National Epifellows Foundation 13th Annual Scientific Forum 2005
Practical treatment of convulsive and nonconvulsive status epilepticus.

Brigham & Womens/Massachusetts General Hospital 2006
Combined Epilepsy Conference: Continuous EEG Monitoring
in the Critically Ill

Advances in Epilepsy, CME course, N.Y. Methodist Hospital, Brooklyn 2006
EEG Monitoring in the ICU: the Silent Epidemic Exposed.

Grand Rounds, Dept. of Neurology, *University of Arizona*, Tucson AZ 2006
Brain Monitoring with EEG: What we've found and where we
should be going

American Academy of Neurology annual meeting, San Diego, CA 2006

1. Treatment of status epilepticus (in course "Status Epilepticus", Director: F. Drislane)
2. Diagnosis and management of nonconvulsive and convulsive status

epilepticus (in course "Clinical Epilepsy", director: J. French)
3. Video/EEG monitoring in the ICU (in course "Video/EEG monitoring: Practice, tools and tips", director E. So)
4. Continuous EEG Monitoring (in course "Critical Care Epilepsy/EEG", director L. Hirsch)

3rd Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan 2006
Brain Monitoring with EEG in the Critically Ill

American Soc. of Electroneurodiagnostic Technologists annual mtg, Phila, PA 2006
The importance of video in ICU monitoring

Grand Rounds, Dept. of Medicine, Valley Hospital, NJ 2006
Seizures and status epilepticus in the critically ill: Recognition and Practical management

Current Treatment of Epilepsy in Adults with Disabilities, CME course, Valhalla, NY; 2006
Brain stimulation for epilepsy

American Clinical Neurophysiology Society annual meeting, Chicago IL 2006
Proposed standardized nomenclature for rhythmic and periodic EEG patterns in the critically ill

Grand Rounds, Maimonides Medical Center, Brooklyn, NY 2007
Brain monitoring in the critically ill.

Grand Rounds, Dept. of Neurology, *Jefferson* University, Phila, PA 2007
EEG Brain Monitoring in the Acutely Ill

Grand Rounds, Dept. of Neurology, *Duke* University, Raleigh-Durham NC 2007
Brain Monitoring with EEG: the next frontier of ICU monitoring

Grand Rounds, Epilepsy Division, *Cleveland Clinic*, Cleveland OH 2007
EEG Patterns in the ICU

Grand Rounds, Dept. of Neurology, *Indiana University*, Indianapolis, IN 2007
Brain Monitoring with EEG: the next frontier of ICU monitoring

Epilepsy Conference, Mayo Clinic, Scottsdale AZ 2007
Brain Monitoring with EEG in the ICU and stroke unit: chasing cardiology again

Grand Rounds, Dept. of Neurology, *Beth Israel* Medical Center, New York, NY 2007
Brain stimulation for epilepsy: The future has arrived

Grand Rounds, Dept. of Neurology, *UMDNJ*, New Brunswick, NJ 2007
Brain Monitoring with EEG in the ICU and stroke unit: chasing cardiology again

American Academy of Neurology annual meeting, Boston MA 2007
1. Treatment of status epilepticus (in course "Recognition and management of the many types of status epilepticus", director: F. Drislane)
2. EEG in the critically ill (in course "Clinical EEG", director: J. Ebersole)
3. Video/EEG monitoring in the ICU (in course "Video/EEG monitoring in Neurological Practice: Tools, techniques and applications", director E. So)
4. Continuous EEG Monitoring in the Critically Ill: Indications, Findings, Pearls, Pitfalls, and the Latest Advances (in course "Critical Care Epilepsy/EEG", director L. Hirsch)

Southern EEG and Western Clinical Neurophysiology Society Annual Meeting, Santa Fe, NM 2007
1. EEG Controversies: Period, rhythmic and ictal discharges
2. Novel Therapeutics: Cortical Stimulation

4th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan 2007
1. Brain Monitoring with EEG in the Critically Ill
2. Setting up your Continuous EEG Program
3. The Neurosimulator: Status Epilepticus. Expert commentator

Grand Rounds, Dept. of Neurology, St. Vincent's Medical Center, Manhattan 2007
Recognition and Management of the Many Types of Status Epilepticus

Grand Rounds, Dept. of Medicine, Stamford Hospital, Stamford, CT 2007
Brain Monitoring in the Critically Ill

Neurology Update 2007, CME course (Columbia Univ), Manhattan 2007
Epilepsy

Neurocritical Care 2007: 5th Annual meeting, Cleveland, OH 2007
Continuous EEG in the NICU

Epilepsy Foundation of Long Island Professional Advisory Board Meeting 2007
Garden City, NY
1. EEG Monitoring in the ICU
2. Brain Stimulation for Epilepsy: The Future is Here?

Combined Epilepsy Conference, *Massachusetts General Hospital and Brigham & Women's* Hospital, Boston, MA 2007
1. ICU EEG Monitoring Update
2. Brain Stimulation for the Treatment of Epilepsy

American Epilepsy Society Annual Meeting, Philadelphia, PA 2007
1. Sudden Unexplained Death in Epilepsy Special Interest Group Mtg: Report of the SUDEP Task Force Scientific Committee
2. Continuous EEG in the ICU Special Interest Group Mtg
Continuous EEG in the ICU: Adults

American Clinical Neurophysiology Society Annual Meeting, Savannah GA 2008
1. Annual Course: Clinical EEG: Periodic Complexes
2. ICU EEG Monitoring Symposium: Integrating Technology: Multimodality monitoring Case Studies

Neurology Grand Rounds, New York-Methodist Hospital 2008
Brain Monitoring in the ICU

Neurology Update, New York (CME course; director: Martin Samuels) 2008
Practical Management of Seizures and Epilepsy: Pearls, Pitfalls and Progress

Neurology Update, Boston (CME course; director: Martin Samuels) 2008
Practical Management of Seizures and Epilepsy: Pearls, Pitfalls and Progress

Neurology Update, Chicago (CME course; director: Martin Samuels) 2008
Practical Management of Seizures and Epilepsy: Pearls, Pitfalls and Progress

Neurology Grand Rounds, *Duke* Univ., Raleigh-Durham, NC 2008
Diagnosis and Treatment of Seizures and Status Epilepticus in the Critically Ill

Combined *Duke/U. North Carolina* Neurocritical Care Meeting, NC 2008
Multimodality brain monitoring with scalp and intracranial EEG in the Neuro ICU

Neurology Resident Lecture Series, *Duke* Univ, NC 2008
Practical use of antiepileptic drugs in patients with tumors and other specific scenarios

5th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan 2008

1. Setting up your Continuous EEG Program
2. The Neurosimulator: Status Epilepticus. Expert commentator

Calming the Excitable Brain (CME course; director: Mark Green; NY, NY) 2008
1. Diagnosis and pathophysiology of epilepsy
2. Use of antiepileptic drugs
3. Considerations in women with epilepsy
4. Epilepsy diagnosis: case studies

Pediatric Neurocritical Care Investigators' Meeting, Chicago, IL 2008
Use of Continuous EEG Monitoring: Overview (and moderator)

Neurocritical Care Society Annual Meeting, Miami Beach, FL 2008
Continuous EEG: New Insights, New Dilemmas

Brain Trauma Foundation Online Lecture Series 2008
TBI & Seizures: Myths, Realities, & Practicalities

Grand Rounds, Epilepsy Div., *Medical Univ. of South Carolina*, Charleston SC 2008
Status, subclinical seizures and brain monitoring in the ICU

Neurology Grand Rounds, *Emory University*, Atlanta GA 2009
Brain Monitoring in the Critically Ill

American Clinical Neurophysiology Society annual meeting, Orlando, FL 2009
Quantitative EEG techniques for detection of seizures and ischemia, in symposium entitled "Incorporating EEG into ICU care"

Bridgeport Hospital Stroke Center, Bridgeport, CT 2009
Seizures and seizure-mimics in cerebrovascular disease

American Society of Electroneurodiagnostic Technologists, Special Webinar 2009
in honor of Lewis L. Kull: Traumatic Brain Injury and Seizures

Boston Epilepsy Society, Boston, MA 2009
ICU Brain Monitoring with Continuous EEG in 2009 and Beyond

Combined Epilepsy Conference, *Massachusetts General Hospital and Brigham & Women's* Hospital, Boston, MA *2009*
New life in the fight against sudden death in epilepsy

American Academy of Neurology annual meeting, Seattle, WA 2009
EEG in the critically ill (in course "Clinical EEG", director: J. Ebersole)

6th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan: Real-time CEEG: Cases and practical tips 2009

Neurology weekly conference, Lehigh Valley Medical Center, Lehigh PA 2009
Nonconvulsive Seizures, Status Epilepticus and EEG Brain Monitoring

Neurology/Epilepsy Grand Rounds, *UCLA*/Greater Los Angeles V.A. Hospital 2009
Nonconvulsive seizures, status epilepticus and ICU Brain Monitoring

Visiting Professor lectures, *Northwestern Univ*, Chicago IL 2009
Emergency EEG: What you need to know in the middle of the night
Quantitative EEG
Multimodality monitoring and continuous EEG in the ICU
Nonconvulsive seizures and periodic discharges
Panel discussion: AED treatment in the ICU: Case studies
Seizure semiology in the ICU
The new ACNS proposed nomenclature

Neurology Grand Rounds, *Univ. of Cincinnati*, Cincinnati, OH 2009
Nonconvulsive Seizures, Status Epilepticus and EEG Brain Monitoring

Neurology Grand Rounds, *New York University*, NY, NY 2009
Continuous EEG Monitoring in the ICU: Promise, Pearls, Pitfalls and oPinions

American Epilepsy Society annual meeting, Plenary Session 2009
ICU EEG Monitoring: The Future (Plenary co-chairs:

L. Hirsch, S. Herman)

Neurocritical Care Society Annual Meeting, New Orleans, LA 2009
The EEG ictal-interictal continuum: a clinical challenge

Neurology Grand Rounds, *Cornell* University, NY, NY 2009
Video-EEG Monitoring in the ICU: Promise, Pearls, Pitfalls and oPinions

The Annual Swebilius Lecture, Dept. of Neurosurgery, Yale Univ, New Haven 2009
Video-EEG Monitoring in the ICU: Promise, Pearls, Pitfalls and oPinions

American Clinical Neurophysiology Society annual meeting, San Diego, CA 2010
1. Brain stimulation for epilepsy: Lessons learned from responsive neurostimulation and chronic, ambulatory intracranial EEG (in Brain stimulation symposium, director: L. Hirsch)
2. Neurophys Bowl, co-host

Epilepsy Grand Rounds, *University Hospitals, Cleveland*, OH 2010
Video-EEG Monitoring in the ICU: Promise, Pearls, Pitfalls and oPinions

American Academy of Neurology annual meeting, Toronto, ON, Canada 2010
ICU EEG Monitoring (in course "Clinical EEG", director: J. Ebersole)

Neurology Grand Rounds, *Lenox Hill* Hospital, NY, NY 2010

Neurology Grand Rounds, *Beth Israel Medical Center*, NY, NY 2010

7th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan: 2010
1. Continuous EEG Monitoring
2. Status Epilepticus
3. ICU EEG Workshop (chair)

Epilepsy Symposium, Valley Hospital, NJ 2010
1. Seizures in the ICU: Identifying and treating sub-clinical events
2. Algorithm for treatment of status epilepticus

Epilepsy Foundation Symposium, Greater Baltimore Area 2010
Neurodiagnostic Monitoring in the ICU

Neurology Grand Rounds, *Univ of South Florida*, Tampa 2010
Brain Monitoring with EEG in the Critically Ill: Promise, Pearls, Pitfalls and oPinions

American Epilepsy Society Annual Meeting, San Antonio, TX 2010
Plenary Session: Responsive Neurostimulation: Has the Future Arrived? (Dir: G. Bergey)

Southern Clinical Neurological Society annual meeting, Hawk's Cay, FL 2011
EEG Monitoring in the ICU: When and Why

Neuroscience in the ICU Symposium, Valley Hospital, Ridgewood, NJ 2011
Seizures in the Critically Ill

American Clinical Neurophysiology Society annual meeting, New Orleans, LA 2011
1. Ictal Recordings: Making sense of nonsense (in symposium "How not to read an EEG" (Directors: S. Benbadis and W. Tatum)
2. Neurophys Bowl, co-writer and co-host

Yale Epilepsy 1st Annual Symposium CME course, New Haven, CT 2011
What's New in Epilepsy: Overview of the Latest Advances
Status Epilepticus and EEG Monitoring
Video—EEG Monitoring: When and Why
SUDEP

Dartmouth Epilepsy Program Annual Retreat, Stowe, VT 2011
Keynote speaker: Use of EEG Monitoring in the ICU Setting

Neurology Grand Rounds, St. Luke's/Roosevelt Hospital, New York, NY 2011
Diagnosing and Managing Seizures in the Critically Ill

Swedish Neuroscience Institute Epilepsy Symposium, Seattle, WA 2011
Brain Monitoring in the Critically Ill

8th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan: 2011
1. Continuous EEG Monitoring
2. Status Epilepticus

Neurological Update 2012, *University of Miami* annual course, Miami, FL 2012
1. Brain Monitoring with EEG in the ICU
2. Epilepsy Update

Medical Grand Rounds: Annual Donald P. Granger Neurology Memorial Lecture, Bridgeport Hospital, Bridgeport CT: Diagnosis and management of seizures in the hospital and emergency department. 2012

American Clinical Neurophysiology Society annual meeting, San Antonio, TX 2012
1. EEG in the Detection of Non-Ictal Events (in the annual course)
2. Co-host and co-writer, Neurophys Bowl

Seizures in Cerebrovascular disease, Bridgeport CT 2012

American Society of Electroneurodiagnostic Technologists (ASET) Webinar: ICU Continuous EEG Monitoring: 2012
1. Diseases, Traumatic Brain Injury and Encephalopathy
2. Case presentations in CEEG ICU monitoring

American Academy of Neurology annual meeting, New Orleans, LA 2012
Epilepsy (in all day course on Therapy in Neurology, director: S. Fahn)

Yale Epilepsy 2nd Annual Symposium CME course, West Haven, CT 2012
Pitfalls in EEG interpretation
ICU Monitoring and Status Epilepticus
Sudden unexpected death in epilepsy (SUDEP)
Interesting cases

9th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, New York, NY: Neurotelemetry: the future of brain monitoring 2012

Partners against Mortality in Epilepsy Conference, Chicago IL 2012
Moderator and presenter: SUDEP: Where are we now?
Summary of the NIH/NINDS SUDEP workshop

American Neurological Association Annual Meeting, Boston MA 2012
Controversies in Neurology: Continuous EEG Monitoring in the ICU: When and why is it needed and how much is enough? (co-chair)

International Workshop on Electrocorticography, New Orleans (SFN satellite) 2012
Ecog: Clinical Primer

Neuroscience Grand Rounds, Methodist Hospital, New York, NY 2012
Seizures in the ICU

American Clinical Neurophysiology Society annual meeting, Miami, FL 2013
Co-director, ICU EEG Monitoring full day course
The new ACNS critical care EEG nomenclature, in ICU EEG course
Co-host and co-writer, Annual Neurophys Bowl

Neurology Grand Rounds, *Harvard Longwood* neurology program, Beth Israel Deaconess Medical Center, Boston, MA 2013
The emerging era of EEG neurotelemetry in the ICUs

Neurology Grand Rounds, *University of Iowa*, Iowa City, IA 2013
Seizures and brain monitoring in the critically ill

Neurology Grand Rounds, *University of Pennsylvania*, Philadelphia PA 2013
Diagnosing and Managing Seizures in the Critically Ill: Pearls,

Pitfalls, and oPinions

Yale Epilepsy 3rd Annual Symposium CME course, West Haven, CT 2013
Critical Care Epilepsy
Preventing SUDEP

Sahlie distinguished lecturer, *University of Alabama at Birmingham* 2013
Diagnosing and Managing Seizures in the Critically Ill: Pearls, Pitfalls, and oPinions

Neurology Grand Rounds, *The Ohio State University*, Columbus, OH 2013
Diagnosing and Managing Seizures in the Critically Ill: Pearls, Pitfalls, and oPinions

Visiting Professorship, *Mayo Clinic* Dept of Neurology, Rochester MN 2013
Including Neurology Grand Rounds: Diagnosing and Managing Seizures in the Critically Ill: Pearls, Pitfalls, and Opinions"

International Workshop on Electrocorticography, San Diego CA (SFN satellite) 2013
ECOG: Clinical Primer

American Epilepsy Society, Washington, D.C. 2013
SIG on SUDEP, co-director
Responsive Neurostimulator Workshop: The RNS System Technology: ECoG and Data Storage

Neurology Grand Rounds, *Washington University*, St. Louis, MO 2014
Diagnosing and Managing Seizures in the Critically Ill: Pearls, Pitfalls, and Opinions

American Clinical Neurophysiology Society's annual meeting, Atlanta, GA 2014
1. Course Co-Director, ICU-EEG Monitoring
2. ICU EEG Nomenclature (in course on ICU EEG Monitoring)
3. Neurophysiology of SUDEP

Neurology Grand Rounds, *Albert Einstein* College of Medicine, New York, NY 2014
Critical Care EEG Monitoring: A peek into the black box of the encephalopathic brain

Neurology Grand Rounds, *Stanford* University, Palo Alto, CA 2014
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

Neurology Grand Rounds, *Mt. Sinai* School of Medicine, New York, NY 2014
Critical Care EEG: A peek into the black box of the encephalopathic brain

Neurology Grand Rounds, *New York University*, New York, NY 2014
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

American Academy of Neurology annual meeting, Phila, PA 2014
1. EEG monitoring in the ICU for diagnosis and management of status epilepticus, in symposium on "status epilepticus"
2. Debate: Critical Care EEG Monitoring**,** in "Controversies in Epilepsy" symposium

Neurology Grand Rounds, *Univ of Massachusetts*, Worcester, MA 2014
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

Partners Against Mortality in Epilepsy (PAME), 2nd biannual meeting, 2014
Minneapolis, MN. Moderator, co-organizer, steering committee
Cardiology and the autonomic nervous system for families, In the "Lay Primer" session

Yale Epilepsy 4th Annual Symposium CME course, New Haven, CT 2014

Seizures and EEG in the ICU
Interesting Cases
Advances in Epilepsy

Optimizing the management of patients with epilepsy. Online program. 2014
Platform Q Neuroseries Live, program chair, (CME, 2 hours)
http://www.neuroserieslive.com/cme

American Clinical Neurophysiology Society, Annual fall course, Boston, MA 2014
Stimulation therapy for epilepsy: RNS, DBS or VNS?
ICU EEG: Intro and historical perspective
Seizures and periodic patterns
Case discussion panel

Neurology Grand Rounds, *Boston University*, Boston MA 2014
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

Neurology Grand Rounds, *Cornell University*, New York, NY 2014
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

16th Annual COSBID meeting, Boston, MA 2014
Update on nonconvulsive seizures in the critically ill: prevalence, consequences, and relation to cortical spreading depression

American Epilepsy Society Annual meeting, Seattle, WA 2014
Annual Epilepsy Course Debate: Utility of Continuous EEG monitoring, Monitor All vs Be Selective; in Annual course: seizures and EEG in the critically ill patient (plenary)
SUDEP Special Interest Group: Hot Topics in SUDEP: Co-director and moderator
Status Epilepticus SIG: Speaker: Are we over-treating Status Epilepticus, and especially Nonconvulsive Status?
Critical Care Monitoring SIG: Speaker: Case presentation: Treat Aggressively
Innovation Pavilion: Selecting patients for the Responsive Neurostimulator System: mesial temporal onset cases

American Clinical Neurophysiology Society, annual meeting, Houston TX 2015
Co-Director, ICU EEG full day course
Patterns of Seizure Onsets & Spread, Underlying Pathological Substrates, Surgical Outcomes in Adults; in course on "Electro-Corticography"
Responsive Neurostimulation: An update; in symposium on "When Surgery is not an option: neurostimulation and beyond"
CEEG interpretation: Assessment of background, sleep, reactivity And artifacts [substituted for N. Gaspard, flight canceled]
Co-moderator and co-director, Research Highlights

Neurology Grand Rounds, *Temple University*, Philadelphia, PA 2015
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

Neurology Grand Rounds, *Vanderbilt University*, Nashville, TN 2015
ICU EEG Monitoring: A peek into the black box of the encephalopathic brain

Yale Epilepsy 5th Annual Symposium CME course, New Haven, CT 2015
Seizures and EEG in the ICU
Interesting Cases, Part I and II

SUDEP updates

3rd Yale Epilepsy Center Research Retreat, Madison, CT 2015
Results of the TRENdS trial: A prospective, randomized, multicenter trial of lacosamide vs fosphenytoin for treatment of recurrent non-convulsive seizures.

Epilepsy Grand Rounds, *Cleveland Clinic*, Cleveland, OH 2015
Critical Care EEG Monitoring: Updates, advances and controversies

9th International Workshop on Advances in Electrocorticography, Phila, PA 2015
Chronic intracranial EEG Monitoring and Responsive neurostimulation

American Clinical Neurophysiology Society, annual meeting, Orlando, FL 2016
Electrocorticography: Patterns of Seizure Onsets & Spread, Underlying Pathological Substrates, Surgical Outcomes in Adults; in course on ECog/Invasive EEG (Directors: Hirsch and Schuele)
Continuous EEG Interpretation: The Ictal-Interictal Continuum; in course on ICU EEG Monitoring
Responsive Neurostimulation: Choosing Parameters and Clinical Update; In course on The New Landscape of Neurostimulation: a Myriad of Choices
A sampler from YouTube; In course on Stand-alone Home Video: A New Tool for the Diagnosis of Seizures?

Epilepsy Lecture Series, *New York University*, New York, NY 2016
Recent advances and controversies in ICU-EEG

Neurology Grand Rounds, *George Washington University*, Washington DC 2016
Seizures and EEG monitoring in the critically ill: a practical update

Yale Epilepsy 6th Annual Symposium CME course, West Haven, CT 2016
Seizures and EEG in the ICU
Interesting Cases, Part I and II

Neurology Grand Rounds, *Univ of Pittsburgh*, Pittsburgh PA 2016
Critical Care EEG Monitoring: Past, Present and Future

Neurology Resident Lecture Series, Univ of Pittsburgh, Pittsburgh, PA 2016
Treatment of status epilepticus

Neurology Grand Rounds, *Hartford Hospital*, Hartford CT 2016
SUDEP: Sudden Unexpected Death in Epilepsy

Epilepsy Foundation educational session for patients/ caregivers, Hartford, CT 2016
SUDEP: Sudden Unexpected Death in Epilepsy

American Epilepsy Society Annual Meeting 2016
Chronic intracranial EEG monitoring and responsive neurostimulation for bitemporal epilepsy, in course on Electrocorticography
Expert Debate, in the Epilepsy Therapy Symposium (plenary session) Subclinical seizures and periodic patterns in the critically ill (with Dr. LaRoche)
Bitemporal Epilepsy, in the Responsive Neurostimulation Innovation Pavilion

American Clinical Neurophysiology Society, annual meeting, Houston TX 2017 (Feb)
Electrocorticography: Patterns of Seizure Onsets & Spread, Underlying Pathological Substrates, and Surgical Outcomes in Adults; in course on ECog/Invasive EEG (Directors: Hirsch and Schuele)
Case discussion: Focal cortical dysplasia: invasive recordings? in course on ECog/Invasive EEG (Directors: Hirsch and Schuele)
cEEG Interpretation: Background, Reactivity, Artifacts, &

ACNS Terminology; in course on ICU EEG Monitoring
Strategies in patient selection and parameter setting with Responsive Neurostimulation; in course on Neurostimulation & Networks
Patients with Refractory Status Epilepticus Should be Treated Aggressively; debate in session on Treatment of Refractory Status Epilepticus

Neurology Grand Rounds, *University of Washington*, Seattle WA 2017 (Mar)
Critical Info on Critical Care EEG Monitoring: Detection and Protection for the Brain

Yale Epilepsy Research Retreat : moderator; co-director; Old Saybrook, CT 2017 (Mar)

Responsive Neurostimulation All-Day Educational Program, Baltimore, MD 2017 (Apr)
Program co-moderator

American Academy of Neurology, annual meeting, Boston MA 2017 (Apr)
Diagnosis of Status Epilepticus by EEG Monitoring in Critically Ill Patients; in course on Status Epilepticus

Epilepsy Research Seminar, *Columbia University* 2017 (Jun)
Critical Care EEG Monitoring

Neurology Grand Rounds, *Henry Ford Hospital*, Detroit, MI 2017 (Jun)
Critical Care EEG Monitoring: Why, when, and how

American Society of Electroneurodiagnostic Technologists (ASET) 2017 (Oct)
EEG in the ICU

Responsive Neurostimulation System Experts Forum, Chicago, IL 2017 (Oct)
Moderator

Guest Speaker, Epilepsy Foundation of Northern California Physician Consortium: The Latest and Greatest in Critical Care EEG 2017 (Oct)

Neurology Grand Rounds, *University of Wisconsin*, Madison, WI 2017 (Oct)
Critical Care EEG Monitoring: A practical update

Neurology Grand Rounds, *Boston University*, Boston, MA 2017 (Oct)
Critical Care EEG Monitoring: A practical update

Yale Epilepsy 7th Annual Symposium CME course, West Haven, CT 2017 (Nov)
Critical Care EEG
Interesting Cases, Epilepsy Fellows' presentations, Part I and II

13th International Workshop on Advances in Electrocorticography 2017 (Dec)
Washington, D.C. (AES satellite symposium): Chronic intracranial EEG monitoring and responsive neurostimulation

Responsive Neurostimulation Dinner Symposium, Washington, D.C. (at AES) 2017 (Dec)
Chronic Intracranial EEG Recordings and How They Change Our Approach to Treatment

Neurology Grand Rounds, *SUNY Stony Brook*, Stony Brook, NY 2018 (Jan)
Critical Care EEG Monitoring: A practical update

American Academy of Neurology, annual meeting, Los Angeles CA 2018 (Apr)
Quantitative EEG and Guidelines for ICU VEEG Monitoring

31st International Congress on Clinical Neurophysiology (ICCN/ACNS Combined meeting), Washington, D.C. 2018 (May)
Director, All day course: ICU Continuous EEG Monitoring – Joint Course of the CCEMRC and ACNS
NORSE/FIRES: new consensus definitions
Debate: nonconvulsive seizures should be aggressively treated (con)
Responsive Neurostimulation: Patient Selection and Advanced Programming Strategies
"Neurophys Bowl" co-host and writer

Neurology Grand Rounds, *New York University*, New York, NY 2018 (May)

Critical Care EEG Monitoring: A practical update

46th Annual Hans Berger Clinical Neurophysiology Symposium, Richmond VA 2018 (May)
EEG of Status Epilepticus
Clinical Treatment of Status Epilepticus

Partners Against Mortality in Epilepsy biennial meeting, Alexandria VA 2018 (Jun)
Causes of Epilepsy Mortality beyond SUDEP

Insley Lectureship, Depts of Neurology and Neurosurgery Grand Rounds, *Univ of Rochester*, Rochester NY *2018 (Jun)*
Update on Critical Care EEG: Pearls, Pitfalls, Promise and oPinions

Combined meeting of the of the Electroencephalography and Clinical 2018 (Sept)
Neuroscience Society (ECNS), the International Society for Neuro-imaging in Psychiatry (ISNIP), the International Society for Brain Electromagnetic Topography (ISBET), and the International Society for Functional Source Imaging (ISFSI). Pittsburgh, PA
Plenary lecture: EEG in the ICU

Neurocritical Care Society 16th Annual meeting, Boca Raton, FL 2018 (Sept)
Critical Care EEG workshop
Basics and Beyond: Identifying Ictal-Interictal Continuum features that impact practice
Cases: Ictal-Interictal Continuum
NORSE symposium
NORSE (new-onset refractory status epilepticus): Definition, diagnosis and management

Epilepsy Seminar, *Johns Hopkins University* 2018 (Oct)
Responsive Neurostimulation

Grand Rounds (medicine/neurology), *New York Presbyterian-Queens* 2018 (Oct)
Critical Care EEG Monitoring and Nonconvulsive Seizures: A practical update

American Epilepsy Society annual meeting, New Orleans, LA 2018 (Dec)
Course co-director and moderator: Epilepsy Therapy Symposium: Practical Clinical Pearls for Advanced Outpatient Epilepsy Management in 2019
Rash Cross-reactivity (plenary session in Epilepsy Fundamentals Symposium)
ICU EEG (in EEG Basics skills workshop)
Use of chronic Ecog recordings from the RNS system (Innovation Pavilion)
Session organizer and moderator: NORSE Roundtable discussion
Personalized Medicine using Chronic Ecog Recordings (dinner seminar)

Neurology Grand Rounds, *Northwell Health*, NY 2019 (Jan)
ICU EEG Monitoring and Nonconvulsive Seizures: The silent epidemic

Medicine Grand Rounds, St. Francis Hospital, Hartford CT 2019 (Feb)
Seizures and EEG in the ICU

American Clinical Neurophysiology Society Annual Meeting, Las Vegas NV 2019 (Feb)
Responsive Neurostimulation and Deep Brain Stimulation: Indications
Continuous EEG Interpretation: Background, Reactivity, Artifacts, and ACNS Terminology
Responsive Neurostimulation: What we learn from chronic recordings
Moderator of Learning Lab: Wearable seizure detection

American Academy of Neurology Annual Meeting, Phila, PA 2019 (May)
Quantitative EEG and Guidelines for ICU VEEG Monitoring

Neurotherapeutics Symposium, Rochester NY 2019 (Jun)

Brain telemetry and critical care EEG

Lennox-Gastaut Foundation Webinar Series: 2019 (Sept)
Seizure clusters and rescue therapies

Neurology Grand Rounds, *Univ of Florida*, Gainesville FL 2019 (Sept)
Critical Care EEG

Neurology Grand Rounds, *Univ of Nebraska*, Omaha NE 2019 (Oct)
Brain monitoring in the critically ill

Neurology Grand Rounds, *Lenox Hill Hosp/Northwell Health* 2019 (Oct)
Critical Care EEG Monitoring and Nonconvulsive Seizures: The silent epidemic

Epilepsy Lecture Series, *New York University*, New York NY 2019 (Oct)
Latest updates and controversies in ICU EEG

American Epilepsy Society's annual meeting, Baltimore MD 2019 (Dec)
Optimizing timing and duration of "stat" EEGs

Neurology Grand Rounds*, Mt. Sinai Medical Center*, NY, NY 2020 (Jan)
Critical Care EEG Monitoring and Nonconvulsive Seizures: The silent epidemic (given twice in separate locations)

American Clinical Neurophysiology Society Annual Meeting, New Orleans LA 2020 (Feb)
Neuromodulation: responsive neurostimulation and deep brain stimulation (in all-day course on Epilepsy Surgery)
ACNS Nomenclature (in all-day course on ICU-EEG)
The EEG in nonconvulsive status epilepticus (in symposium on STAT-EEGs: use, abuse and the role of new rapid-EEG devices)

Epilepsy Fellows' conference, *Stanford University*, Palo Alto, CA 2020 (Aug) virtual
Hot Topics in ICU EEG, including COVID and new terminology

Neurology Grand Rounds, *Montefiore Medical Center*, *Albert Einstein College of Medicine*: Critical Care EEG Monitoring and Nonconvulsive Seizures: A personalized update 2020 (Oct) virtual

American Neurological Association Annual Meeting, Los Angeles, CA 2020 (Oct) virtual
Epilepsy, Special Interest Group speaker: Diagnosis and treatment of Nonconvulsive status epilepticus

Pennsylvania Neurological Society annual meeting 2020 (Oct) virtual
Seizure clusters and rescue therapy

American Clinical Neurophysiology Society Annual Fall Course 2020 (Oct) virtual
ICU EEG Terminology Update

Neurology Grand Rounds, *Cornell University*, New York, NY 2020 (Oct) virtual
Critical Care EEG Monitoring and Nonconvulsive Seizures: A personalized update

Neurology Grand Rounds, *University of Chicago*, Chicago, IL 2020 (Oct) virtual
Critical Care EEG Monitoring and Nonconvulsive Seizures: A personalized update

Neurology Grand Rounds, *Cedars-Sinai Medical Center*, Los Angeles, CA 2020 (Oct) virtual
Critical Care EEG Monitoring and Nonconvulsive Seizures: A personalized update

Neuropace Scientific Summit, Mountain View, CA 2020 (Nov) virtual
RNS System Biomarker Discovery: anti-seizure medications

Epilepsy Therapy Symposium, American Epilepsy Society annual meeting, Seattle, WA. Iatrogenicity in Epilepsy Care. Co-director and Co-moderator. 2020 (Dec) virtual

Epilepsy/Neurocritical Care combined conference, *Queen's Neuroscience Institute*, Honolulu, Hawaii: Quantitative EEG 2020 (Dec) virtual

American Clinical Neurophysiology Society Annual Meeting, Austin TX 2021 (Feb) virtual

Course director: ACNS Guideline Review: ICU EEG Terminology
Co-chair and panel discussion member for symposium: The Ictal-Interictal Continuum: Current concepts, controversies, approaches to management, and long-term outcomes

NORSE (new onset refractory status epilepticus) Family conference 2021 (Mar) virtual
Current definition of NORSE and FIRES
Breakout session: Adult survivors and their families (moderator)

Southern Epilepsy and EEG Society, Atlanta GA 2021 (Mar) virtual
Instant EEG vs. Conventional EEG: Benefits & Limitations

American Academy of Neurology Annual Meeting, San Francisco, CA 2021 (Apr) virtual
Course director and speaker: Status Epilepticus and Critical Care EEG Monitoring

ASET – The Neurodiagnostic Society webinar: Standardized Critical Care EEG Terminology 2021 (May) virtual

Neurology Grand Rounds, *SUNY Downstate Health Sciences University*, Brooklyn, NY. EEG and Seizures in the ICU: Update, including NORSE and managing nonconvulsive status epilepticus 2021 (May) (virtual)

American Clinical Neurophysiology Society Bootcamp 2021 (Aug) (virtual)
ICU EEG Terminology

American Clinical Neurophysiology Society Annual Fall Courses 2021 (Sept) (virtual)
ICU EEG Terminology

American Epilepsy Society annual meeting, Chicago, IL 2021 (Dec)
EEG findings with COVID-19 infection: Is there anything specific?
In: Hot Topics Symposium (plenary): Epilepsy and COVID 2021
Session organizer and moderator: NORSE Roundtable discussion

American Clinical Neurophysiology Society annual meeting, Orlando, FL 2022 (Jan) (virtual)
ICU EEG Terminology (in the Annual Course)
Group mentoring and teams science, in symposium on "Mentorship in Clinical neurophysiology"

Neurology Grand Rounds, *University of Southern California*, Los Angeles, CA 2022 (Mar) (virtual)
Update on EEG monitoring in the critically ill

American Academy of Neurology Annual Meeting, Seattle, WA 2022 (Apr)
Course director: Status Epilepticus Update
Speaker: Critical Care EEG Monitoring

Epilepsy Conference, *Ochsner Medical Center*, New Orleans, LA 2022 (Jun)
NORSE and FIRES

Pellar Visiting Professor and Neurology Grand Rounds, *Mayo Clinic*, Jacksonville, FL 2022 (May)
Update on EEG Monitoring in the Critically Ill

NORSE (new onset refractory status epilepticus) Scientific Symposium 2022 (Jun) (virtual)
Conference co-organizer and moderator; case presentation; Biorepository.

NORSE (new onset refractory status epilepticus) Family Conference 2022 (Jun) virtual
Donating samples and the Yale Biorepository

West Regional Epilepsy Roundtable, San Francisco, CA 2022 (Jun)
Responsive Neurostimulation: the Power of the Data

American Clinical Neurophysiology Society Bootcamp 2022 (Aug) (virtual)
ICU EEG

American Clinical Neurophysiology Society Annual Fall Courses* 2022 (Sept)
1. EEG in encephalopathy
2. ICU EEG Monitoring Part I: History and ACNS critical care EEG terminology

3. Intracranial EEG Interpretation: interictal and ictal patterns
4. Intracranial EEG Case Presentations

*[*talks given by other speakers last min due to COVID isolation]*

American Epilepsy Society's annual meeting, Nashville, TN 2022 (Dec)
Co-moderator, Misadventures in EEG workshop
Speaker: Misadventures in EEG in the ICU and during intracranial EEG recording
Session organizer and moderator: 4th annual NORSE Roundtable

NIH/NINDS CounterACT Program: Status epilepticus after benzodiazepines: Seizures and improving long-term outcomes. 2023 (Feb)
Clinical Unmet Needs in Refractory Status Epilepticus, Including SRSE and NORSE

Clinical Neuroscience Grand Rounds, *Boston University*, Boston, MA 2023 (Mar) (virtual)
Continuous EEG Monitoring and Nonconvulsive Status Epilepticus in the Critically Ill: Patterns, Pearls, Pitfalls, and Practicalities

Epilepsy Seminar, *Montefiore/Albert Einstein College of Medicine*, NY, NY 2023 (Mar) (virtual)
Responsive Neurostimulation for Epilepsy: Recent updates

American Clinical Neurophysiology Society annual meeting, Austin, TX 2023 (Mar)
Recent advances in etiologies, EEG findings and treatments for NORSE and FIRES. In symposium entitled "Emerging concepts in the diagnosis and management of super-refractory status epilepticus, NORSE and FIRES"
ACNS Terminology: The Basics. In ICU EEG course, part I
ACNS Terminology: Advanced. In ICU EEG course, part II

Neurology Grand Rounds, *Columbia University*, New York, NY 2023 (Apr)
One of several speakers for the Peter Y. Kim Memorial Lecture on
The Columbia Neurology Resident Clinic: End of an era, and a new Beginning

Fellows training program, Responsive Neurostimulation (sponsored by Neuropace), Washington, D.C. 2023 (Apr)
1. Identifying RNS candidates
2. Using intracranial EEG data to inform patient management
3. Case presentations: RNS plus resection
4. Insights from faculty: getting started with your career

American Academy of Neurology Annual Meeting, Boston, MA 2023 (Apr)
Course director: Status Epilepticus Update
Speaker: Critical Care EEG Monitoring
Guest speaker, HeadTalks: EEG Talk: Deciphering EEG spectrograms

Advanced EEG Course, Neuro Training Academy (sponsored by Natus), Providence, RI. 2023 (Jun)
Weekend course Co-Director

Yale Epilepsy 12th Annual Symposium CME course, West Haven, CT 2023 (Jun)
Status Epilepticus Treatment Update

3rd Annual NORSE Scientific Symposium 2023 (Jun) (virtual)
We need more data! Update on the NORSE prospective registry and biobank

Critical Care Medicine Grand Rounds*, Mt. Sinai* School of Medicine, NY, NY 2023 (Jun) (virtual)
Continuous EEG Monitoring, The Ictal-Interictal Continuum and Non-convulsive Status Epilepticus in the Critically Ill: Patterns, Pearls, Pitfalls, and Practicalities.

ACNS' Principles of Clinical Neurophysiology Annual Course 2023 (Sept) (virtual)
ICU EEG Monitoring Part I: History of ICU EEG and the ACNS Critical Care EEG Terminology

Fellows training program, Responsive Neurostimulation (sponsored by Neuropace), Los Angeles, CA — 2023 (Nov)

American Epilepsy Society's annual meeting, Orlando, FL — 2023 (Dec)
- Co-moderator, Misadventures in EEG workshop
  - Speaker: Misadventures in EEG in the ICU and during intracranial EEG recording
- Session organizer and moderator: 5th annual NORSE Roundtable
  - Co-moderator of breakout sessions on Clinical Trial Planning
- Speaker, Investigator's Workshop: Recent advances and future directions in NORSE/FIRES research
- Speaker, Scientific Symposium: New insights on epileptogenesis and therapeutic discovery from encephalitis-induced epilepsy models.
  - NORSE (New Onset Refractory Status Epilepticus) and FIRES (Febrile Infection-related Epilepsy Syndrome)

American Clinical Neurophysiology Society annual meeting, Orlando, FL — 2024 (Feb)
- Neuromodulation workshop: Course Director: Epilepsy and Beyond
- ICU EEG Course, Part 1: ACNS Terminology
- Quantitative EEG Workshop:
  - QEEG for detection of ischemia and other non-seizure events
  - QEEG case-based interactive game

New England Epilepsy Society meeting — 2024 (Mar)
- Updates on NORSE/FIRES

Neurology Grand Rounds, NYU Langone Hospital-Long Island — 2024 (May) (virtual)
- Critical Care EEG Monitoring, Nonconvulsive seizures and NORSE/FIRES

Neurology Grand Rounds, Univ of New Mexico, Albuquerque, NM — 2024 (Oct)
- Critical Care EEG Monitoring and NORSE/FIRES

Partners Against Mortality in Epilepsy (PAME) annual mtg, Los Angeles, CA — 2024 (Dec)
(At the American Epilepsy Society annual meeting)
- Mortality in Status Epilepticus

Session organizer and moderator: 6th annual NORSE Roundtable, Los Angeles — 2024 (Dec)
- NORSE/FIRES definitions: revisions and clarifications

(In conjunction with the American Epilepsy Society annual meeting)

American Clinical Neurophysiology Society annual meeting, Baltimore, MD — 2025 (Feb)
- **Pierre Gloor Award Lecture**: Reminiscences and Lessons Learned from 30 years of the Modern EEG Renaissance
- Co-director and co-moderator: Neurophysiology of Clinical Spells in the ICU: a case-based workshop
- ACNS ICU EEG Terminology: RPPs/ESE/IIC/BIRDs (in ICU EEG Monitoring course, Part 1)

Neurology Grand Rounds, Jefferson University, Philadelphia, PA — 2025 (Mar)
- The Status of Status Epilepticus, including nonconvulsive SE and NORSE/FIRES

American Academy of Neurology annual meeting, San Diego, CA — 2025 (April)
- Ictal EEG Patterns (in course "EEG: Focal, Diffuse and Epileptiform Abnormalities in Adults")

ASET: The Neurodiagnostic Society Annual Spring Seminar, New Haven, CT — 2025 (April)
- ACNS Terminology: Beyond the Textbook
- Quantitative EEG

Epilepsy Grand Rounds, Texas Comprehensive Epilepsy Ctr, UT-Houston, TX — 2025 (May)
- The Status of Status Epilepticus, Including nonconvulsive status epilepticus and NORSE/FIRES

Neurology Grand Rounds, Boston University, Boston, MA 2025 (May) (virtual)
The Status of Status Epilepticus, Including nonconvulsive status epilepticus and NORSE/FIRES

American Clinical Neurophysiology Society, ICU EEG Special Interest Group 2025 (Jun) (virtual)
NORSE update

NORSE Institute annual scientific symposium 2025 (Jun) (virtual)
NORSE/FIRES Open Biorepository Update

Neurology Grand Rounds, Northwell Health System, NY, NY 2025 (Jun) (virtual)
The Status of Status Epilepticus, Including nonconvulsive status epilepticus and NORSE/FIRES

Neurology Grand Rounds, University of Iowa 2025 (Jun)
The Status of Status Epilepticus, Including nonconvulsive status epilepticus and NORSE/FIRES

Invited and confirmed U.S. talks, not yet completed:

Seizure symposium, 3rd annual, Charlotte Epilepsy Society, Charlotte, NC 2025 (Sept)
"Epilepsy Trio: Rescue meds; Rapid EEG; and Lessons learned from chronic intracranial EEG recordings

Epilepsy Grand Rounds, Harvard-Longwood Program, Boston, MA 2025 (Nov) (virtual)

Epilepsy Grand Rounds, Georgetown Univ, Washington, DC 2025 (Nov) (virtual)
Updates on ICU EEG monitoring and refractory status epilepticus, including NORSE/FIRES

***Invited Talks, International*: (>25 countries; 6 continents)**

Jamaica Epilepsy Association launching (ILAE branch), Kingston, **Jamaica** 2002
Keynote speaker: Epilepsy and video/EEG monitoring.

ILAE, Jamaica Epilepsy Association, Kingston, **Jamaica** 2003
1. Cardiac effects of seizures and epilepsy.
2. Seizure semiology: video case studies.

Epilepsy Research Conference, **Cayman Islands**: 2003
Clinical correlates and implications of hippocampal malformations.

American Clinical Neurophysiology Society annual meeting, Montreal, **Canada** 2004
Continuous EEG Monitoring in the Critically Ill
(in course of same name, director: L. Hirsch)

Columbia Univ CME at Sea Course: Improving Epilepsy Care through Advances in Clinical Neuroscience, Cruise to **Bermuda** 2006
1. Cortical and subcortical networks in epilepsy: neurobiological principles of brain stimulation
2. Heartfelt paroxysms: syncope, seizures and the brain-heart connection
3. The silent epidemic of non-convulsive seizures

Danish Epilepsy Society and Danish Clinical Neurophysiology Society Mtg, Copenhagen, **Denmark** 2007
1. EEG Monitoring in the Critically Ill
2. What is the evidence that nonconvulsive status should be treated?

EuroNeuro Meeting, Maastricht, The **Netherlands** 2008
Silent Seizures and Continuous EEG Monitoring in the ICU

Annual Meeting of the Southern Clinical Neurology Society, **Curacao** (Dutch) 2010
New life in the fight against sudden death in epilepsy

2nd North Amer. Regional Caribbean Congress on Epilepsy, Kingston, **Jamaica** 2010
Seizures in the Critically Ill Patient

3rd London-Innsbruck Colloquium on Status Epilepticus, Oxford, **England** 2011
1. EEG Patterns in Coma and their Taxonomic Implications
2. Faculty member, Classification of nonconvulsive status epilepticus

Portuguese Soc. Of Clinical Neurophysiology annual meeting, Lisbon, **Portugal** 2011
1. EEG/Brain Monitoring in the ICU
2. Brain Stimulation for Epilepsy

Portuguese Epilepsy Society and Hospital de Sao Joao, Porto, **Portugal** 2011
Neurostimulation for the treatment of epilepsy

International Society for Magnetic Resonance in Medicine Workshop on
Mapping Functional Networks for Brain Surgery, Milan, **Italy** 2011
Brain Stimulation for Epilepsy: Interrupting overactive neuronal networks

Canadian Neurological Sciences Federation, 47th annual mtg, Ottawa, **Canada** 2012
Plenary speaker and Gloor lecturer: Neurostimulation for medically intractable epilepsy
Epilepsy course: Status Epilepticus in Adults
Neurocritical Care course: CEEG in NeuroICU: When should we do it? Should the electrographic seizures be treated?
Canadian Society of Clinical Neurophysiologists meeting and EEG course: EEG findings during deep brain stimulation to treat medically intractable temporal lobe epilepsy

4th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, 2013
Innsbruck, **Austria**
Symposium Chair and speaker:
Neurophysiology of Status Epilepticus symposium

30th International Epilepsy Congress, Montreal, Quebec, **Canada** 2013
Symposium Chair, Practical management of seizures in the ICU
Contestant and member of winning team, EpiQuiz

XXIV National Meeting of the Brazilian Society of Clinical Neurophysiology, 2013
Rio de Janeiro, **Brazil**
1. Diagnosis and treatment of status epilepticus
2. ICU EEG: Indications, limitations and pitfalls
3. Brain Stimulation for Epilepsy

Paulo Niemeyer Brain Institute, special lecture, Rio De Janeiro, **Brazil** 2013
ICU EEG Brain Monitoring

Norwegian Clinical Neurophysiology Society Annual Meeting, Bergen, **Norway** 2013
Keynote lecture: ICU EEG: Indications, advances, limitations and pitfalls

Visiting Professor, Prince Sultan Military Medical City (PSMMC), Riyadh, 2014
Kingdom of Saudi Arabia
11. Conventional vs. Continuous EEG in the ICU: basic principles and clinical utility
2. Controversial EEG Patterns in the ICU managing
3. Refractory status epilepticus
4. Quantitative EEG for detection of seizures, ischemia and other brain events
5. Electrocorticography: basics and newer techniques
6. Brain stimulation for epilepsy, including lessons learned from long term ambulatory intracranial EEG recordings from the responsive neuro-stimulator trials.
7. EEG Basics and How to read an EEG in the middle of the night

8. Syncope vs. seizures
9. Seizure semiology
10. Neurophys Bowl
11. Daily EEG workshops x 5 days

5th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, London, **England** 2015 (Apr)
Debate: Treating periodic discharges and related patterns after anoxia

5th North American Regional Caribbean Congress on Epilepsy, Barbados, **West Indies** 2016 (Mar)
Status Epilepticus and the EEG

American Academy of Neurology, annual meeting, Vancouver, BC, **Canada** 2016 (Apr)
Diagnosis of Status Epilepticus by EEG Monitoring in Critically Ill Patients; in course on Status Epilepticus

6th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures, Salzburg, **Austria** 2017 (Apr)
NORSE/FIRES consensus definitions; in Symposium on NORSE/FIRES
Chair and moderator: NORSE/FIRES consensus definition panel

6th North American Regional Caribbean Congress on Epilepsy (NARCCE) 2018 (Mar)
Trinidad and Tobago: Stroke and Epilepsy

Swiss Neurology Webinar speaker (**Switzerland** via web): EEG in the ICU 2019 (Jan) (virtual)

The Emergence of Biopharmaceutical Cannabinoids: from 29esearch and Development to Clinical Translation. Toronto, ON, **Canada** 2019 (Mar)
Cannabinoids in Epilepsy: panel member

Japanese Society of Neurology 60th Annual Meeting, Osaka **Japan** 2019 (May) (virtual)
Nonconvulsive seizures and status epilepticus in the critically ill: the silent epidemic (given remotely via video due to family emergency)
Chronic brain stimulation for treatment of epilepsy (given remotely via video due to family emergency)

Brazilian Congress of Clinical Neurophysiology, Sao Paulo, **Brazil** 2019 (Aug)
The neurophysiology of SUDEP (plenary session)
Recordings from the responsive neurostimulation system (plenary)
The EEG in status epilepticus (plenary)
ICU EEG: Background, reactivity and nomenclature (in ICU EEG course)

Epilepsy Society of Australia Annual Scientific Meeting, Sydney, **Australia** 2019 (Nov)
The role of continuous EEG in the ICU (plenary)
Seizure clusters and rescue therapy (plenary)

American Academy of Neurology's Annual Meeting, Toronto, ON, **Canada** 2020 (Apr) (virtual)
Quantitative EEG and Guidelines for ICU video-EEG Monitoring

Yale-Salpetriere neuroscience workshop, Paris, **France** 2020 (Sept) (virtual)
Epilepsy and neurophysiology

Hong Kong Epilepsy Society Annual Scientific Meeting, **Hong Kong** 2020 (Sept) (virtual)
Nonconvulsive seizures in the critically ill: the roles of continuous EEG and quantitative EEG (plenary)
Seizure clusters and emerging rescue therapies (plenary)

China Association Against Epilepsy National Conference on EEG & Neurophysiology, Nanjing, **China** 2020 (Oct) (virtual)
EEG Monitoring in the Critically Ill (plenary)

14th World Congress on Controversies in Neurology (CONy), London, **England** 2020 (Oct) (virtual)
Debate: Cryptogenic SE should be treated with immunomodulation as soon as it is diagnosed: YES.

La 7ème JOURNÉE SCIENTIFIQUE D'EPSILON (7th Annual Epilepsy Congress), Beirut, **Lebanon** 2020 (Nov) (virtual)
Updates on Epilepsy Surgery

German Society for Clinical Neurophysiology 65th Annual Congress, Frankfurt, **Germany** 2021 (Mar) (virtual)
Critical Care EEG Monitoring: Past, Present and Future (keynote/plenary, in Presidential Symposium)

Mexican Clinical Neurophysiology Society, Mexico City, **Mexico** 2021 (Mar) (virtual)
ACNS Standardized critical care EEG terminology: 2021 Version

Quebec Annual Epilepsy Day, Montreal, Quebec, **Canada** 2021 (Mar) (virtual)
American Clinical Neurophysiology Society's Standardized Critical Care EEG Terminology: 2021 version

Danish Society of Clinical Neurophysiology spring meeting, **Denmark** 2021 (May) (virtual)
Standardized critical care EEG terminology: 2021 Version

Australia's Interventional Epileptology Day, Melbourne, **Australia** 2021 (Aug) (virtual)
Responsive neuromodulation: emerging data

Spanish Society of Clinical Neurophysiology annual meeting, **Spain** 2021 (Oct) (virtual)
American Clinical Neurophysiology Society's Standardized Critical Care EEG Terminology: 2021 Version

British Columbia Annual Epilepsy Symposium, British Columbia, **Canada** 2021 (Nov) (virtual)
ICU EEG findings and interpretation

Brazilian Clinical Neurophysiology Society 28th Congress**, Brazil** 2021 (Nov) (virtual)
Responsive neurostimulation: Emerging data and use of chronic Intracranial EEG

Grand Rounds, Canadian League Against Epilepsy's Canadian Epilepsy Teaching Network. **Canada** 2022 (Feb) (virtual)
EEG Patterns in the ICU

18th International Epilepsy Congress of Iran. Tehran, **Iran** 2022 (Feb) (virtual)
Pharmacotherapy for Nonconvulsive Status Epilepticus

Neuroscience Grand Rounds, King Faisal Specialist Hospital and Research Centre, Riyadh, **Kingdom of Saudi Arabia** 2022 (May) (virtual)
Critical Care EEG Updates

International Congress of the Mexican Society of Clinical Neurophysiology Mexico City, **Mexico** 2022 (Jun-July)
1. ICU Continuous EEG Montoring: Overview
2. Quantitative EEG for seizure detection
3. ICU EEG Terminology
4. Nonconvulsive status epilepticus

Academy of Sciences Webinar, Riyadh, **Kingdom of Saudi Arabia** 2022 (July) (virtual)
Indications and practical aspects of long-term EEG monitoring for the critically ill

International Congress on Clinical Neurophysiology, Geneva, **Switzerland** 2022 (Sept)
Co-director, symposium on "Acute symptomatic seizures and the ictal-interictal continuum".
Speaker: Definition and concepts of the "ictal-interictal continuum", electrographic and electroclinical seizures

8th London-Innsbruck Colloquium on Status Epilepticus and Acute Seizures Salzburg, **Austria** 2022 (Sept)
1. Management of NORSE/FIRES
2. How can we make life easier? Rapid EEG and computer assistance in the emergency department and ICUs
3. Do acute EEG findings add to clinical features in predicting out-

come after status epilepticus and acute symptomatic seizures?

Indian Academy of Neurology Journal Club, Mumbai, **India**
1. ACNS Standardized Critical Care EEG Terminology, Part I — 2022 (Dec) (virtual)
2. ACNS Standardized Critical Care EEG Terminology, Part II — 2023 (Mar) (virtual)

Banff International Epilepsy Symposium, Banff, Alberta, **Canada** — 2023 (May)
Walking the line: EEG patterns on the ictal-interictal continuum and their relevance in clinical practice.

Neurology Grand Rounds, Jordan University of Science and Technology, King Abdullah University Hospital, Irbid, **Jordan** — 2023 (Oct) (virtual)
Seizures and EEG monitoring in the critically ill

9th Congress of the Latin America Chapter of the International Federation of Clinical Neurophysiology and the 28th International Congress of the Mexican Society of Clinical Neurophysiology, Mexico City, **Mexico** — 2023 (Nov)
1. To treat or not to treat periodic EEG discharges in critically ill patients.
2. Post-traumatic epilepsy: EEG assessment and prognostic value.
3. Advanced EEG terminology in Status Epilepticus.
4. NORSE/FIRES: Advances in etiology, EEG findings, and management.

Belgian Neurological Society Annual meeting and the inaugural Belgian Society for Clinical Neurophysiology Society, Brussels, **Belgium** — 2024 (Mar)
Keynote lecture: ICU EEG Monitoring: Past, Present and Future

Neurology Grand Rounds, University Hospital of Brussels and The Erasmus Hospital, Universite Libre de Bruxelles, Brussels, **Belgium** — 2024 (Mar)
Nonconvulsive seizures and status epilepticus in the critically ill, including NORSE/FIRES

65th Annual Congress of the Japanese Society of Neurology, Tokyo, **Japan** — 2024 (May)
State of the art diagnosis and treatment of nonconvulsive status epilepticus

Inaugural Course on Standardized Critical Care EEG Terminology in China, Beijing, **China** — 2024 (May) (virtual)
Critical Care EEG Terminology: Seizures, Status Epilepticus, BIRDs, and the Ictal-Interictal Continuum

10th edition of the Neurosciences in Intensive Care International Symposium: Seizures in the ICU: old questions, new challenges, Paris, **France** — 2024 (June)
1. Definition and terminology of seizures and status epilepticus in the critically ill.
2. Continuous EEG: how and when?

Santiago's International Symposium of Neurology, Santiago, **Chile** — 2024 (July)
Recognition and management of nonconvulsive status epilepticus
Use of EEG in prognosis in the ICU; when, how and for how long Should we monitor, including in low-income countries

100th Anniversary of the first human EEG Conference, Parma, **Italy** — 2024 (Oct)
Keynote lecture: EEG in coma

9th China Association Against Epilepsy National EEG and Neurophysiology Congress, Xiamen, Fujian province, **China** — 2024 (Nov) (virtual)
EEG monitoring in the Intensive Care Unit: overview, pearls & pitfalls.

5th NORSE-UK meeting: Focus on Intensive Care, London, **England** — 2024 (Dec) (virtual)
Update on NORSE

Egyptian EEG course, **Egypt** — 2025 (Feb) (virtual)
EEG in the critically ill, including the ictal-interictal continuum

Critical Care EEG course, Madrid, **Spain** 2025 (May)
EEG Terminology in the ICU: ACNS guidelines
Reduced Montage EEGs
Reading session (panel)
EEG and Management of NORSE/FIRES
Quantitative EEG for dection of cerebral ischemia
Clinical Case Presentations (panel)

International League Against Epilepsy e-Forum series: Diagnosis and treatment of refractory status epilepticus (online symposium) 2025 (Jun) (virtual)
Treatment of refractory status epilepticus, including NORSE

Invited and confirmed international talks, not yet completed:

International Epilepsy Congress, Lisbon, **Portugal** 2025 (Sept)
Treatment strategies for NORSE/FIRES: available medications and future possible clinical trials.
Biomarkers in neuromodulation

OTHER PROFESSIONAL ACTIVITIES:

Editorial:

Guest Editor, *J Clin Neurophysiol*, 2 issues on "Critical Care Clinical Neurophysiology" 2004-5
Editorial board member, *Journal of Clinical Neurophysiology* 2006-
Editorial board member, *Epilepsy Currents* (official journal of the American Epilepsy Society) 2006-2017
Contributing writer, *Medlink.com* (multiple sections on epilepsy/status epilepticus) 2007-2016
Contributing writer, *UpToDate.com* (multiple sections on epilepsy/EEG, updated Annually: Nonconvulsive status epilepticus; EEG in epilepsy, video/EEG monitoring) 2008-
Ad-hoc peer-reviewer for:
Neurology (2007-), ***Annals of Neurology*** (2007-), *Journal Watch Neurology (*2006-7), *Journal of Clinical Neurophysiology* (2005-), *Clinical Neurophysiology* (2006-), *European Journal of Neurology (*2006-7), *Archives of Neurology/**JAMA Neurology*** (2005-), *Applied Neurology (*2005), ***Epilepsia*** (1997-), *Expert Opinion on Drug Safety* (2004-8), *Epilepsy and Behavior* (2003-), *Epilepsy and Behavior Case Reports*, *Brain and Development* (2005), Armenian National Science and Education Fund (2005), *Epilepsy Research* (2009-2010), ***Brain*** (2011-), ***Lancet Neurology*** (2012-), *Critical Care* (2012-), ***Critical Care Medicine*** (2010-), ***Lancet*** (2012-), *PLoS One* (2015-), *Stroke (2013-), **New Engl J Med** (2019-), PNAS*
Ad-hoc book reviewer for *Neurology* (1999), *Lancet* (2002), and *Neurocritical Care* (2003)
Section editor for Engel J, Moshe S (eds.). "Epilepsy: A Comprehensive Textbook" 2021-2024
Guest editor: Seizure Disorders, *Current Opinion in Neurology* 2023
Associate editor for Herlopian A (ed). Epilepsy Surgery: A Practical Case-based Approach. Springer, 2024 2024
Section editor for 8th edition of "Niedermeyer's Electroencephalography: Basic Principles, clinical applications and related fields" 2024-2026
Part IV: EEG recordings in critically ill infants, children, adolescents and adults

Symposium/course/national meeting directorships, etc:

Moderator, Investigator's Workshop: Nonconvulsive Status Epilepticus and ICU EEG monitoring. American Epilepsy Society annual meeting, Boston.	2003
Director, Half-day course: Critical Care Epileptology/EEG. American Academy of Neurology annual meeting, San Francisco.	2004
Director, CME course: "Update on Epilepsy and Sleep Disorders for Neurologists", Tarrytown, NY.	2004
Director, Half-day course: Continuous EEG Monitoring in the Critically Ill. American Clinical Neurophysiology Society annual Meeting, Montreal	2004
Director, Seminar: Critical Care Epilepsy/EEG. American Academy of Neurology annual meeting, Miami	2005
Director, Symposium: Critical Care Clinical Neurophysiology. American Academy of Clinical Neurophysiology annual meeting, Phoenix.	2005
Director, CME course: "Update on Epilepsy for Neurologists", Saddlebrook, NJ	2005
Director, Seminar: Critical Care Epilepsy/EEG. American Academy of Neurology annual meeting, San Diego	2006
Scientific Program Chair, American Clinical Neurophysiology Society Annual Meetings, Chicago	2006
Director, Seminar: Critical Care Epilepsy/EEG. American Academy of Neurology annual meeting, Boston MA	2007
Plenary Session Co-chair, American Epilepsy Society Annual Meeting: ICU EEG Monitoring, Boston, MA	2009
Scientific Program Co-Chair: American Clinical Neurophysiology Society Annual Meeting, San Diego, CA	2010
Symposium Chair: Brain stimulation for epilepsy. American Clinical Neurophysiology Society Annual Meeting, San Diego, CA	2010
Workshop Chair: ICU EEG. 7th Annual NY Symposium on Neurological Emergencies and Neurocritical Care, Manhattan	2010
Special Interest Group Co-Chair, Sudden Unexpected Death in Epilepsy. American Epilepsy Society	2010-2015
Special Interest Group Co-chair, Critical Care Monitoring, American Clinical Neurophysiology Society, New Orleans, LA	2011
Course Co-chair, American Clinical Neurophysiology Society Annual EEG Course San Antonio, TX	2012
Conference Co-organizer and Moderator, Partners Against Mortality in Epilepsy Conference, Chicago, IL	2012
Symposium Co-chair, American Neurological Association Annual Meeting, Boston MA Controversies in Neurology: Continuous EEG Monitoring in the ICU: When and why is it needed and how much is enough?	2012
Course Co-chair, American Clinical Neurophysiology Society Annual EEG Course Miami, FL	2013
Founder, writer and co-host, American Clinical Neurophysiology Society's "Neurophys Bowl", ACNS annual meetings	2000-2013
Symposium Chair, Practical management of seizures in the ICU, 30th International Epilepsy Congress, Montreal, Canada	2013
Contestant and winning team member, EpiQuiz, 30th Annual International Epilepsy Congress, Montreal, Canada	2013
Poster Tour Guide, Epileptology, 30th Annual International Epilepsy Congress, Montreal, Canada	2013
Course Co-Director, ICU-EEG Monitoring, American Clinical Neurophysiology Society's annual meeting, Atlanta, GA	2014

Contestant and winning team member, Neurophys Bowl, ACNS annual mtg, Atlanta 2014
Conference Co-organizer and Moderator, Partners Against Mortality in Epilepsy 2014
Minneapolis, MN
Course Co-Director, ICU-EEG Monitoring, American Clinical Neurophysiology 2015
Society's annual meeting, Houston TX
Founder and Co-moderator, Research Highlights platform session, American 2015
Clinical Neurophysiology Society annual meeting, Houston TX
Mentor, ACNS professional development (senior mentor for junior faculty) 2015
Co-director and co-moderator: Yale Epilepsy Research Retreat, Westbrook, CT 2016
Course Co-Director, Electrocorticography, American Clinical Neurophysiology 2016
Society's annual meeting, Orlando FL (all-day course)
Chair and moderator, NORSE/FIRES consensus definition panel. Salzburg, Austria 2017
Co-director and co-moderator: Yale Epilepsy Research Retreat, Old Saybrook, CT 2017
Course Co-Director, Electrocorticography/Invasive EEG, American Clinical 2017
Neurophysiology Society's annual meeting, Houston TX (all-day course)
Program co-moderator, Responsive Neurostimulation All-Day Educational Program, 2017
Baltimore, MD
Chair and moderator: NORSE/FIRES consensus definition panel, Salzburg, Austria 2017
Co-Director, All day course: ICU Continuous EEG Monitoring – Joint 2018
Course of the CCEMRC and ACNS, at the 31st International Congress
on Clinical Neurophysiology (ICCN/ACNS), Washington, DC
"Neurophys Bowl" co-writer and co-host, 31st International Congress on Clinical 2018
Neurophysiology (ICCN/ACNS joint meeting), Washington, DC
2018 (Dec)
Co-chair and moderator: Epilepsy Therapy Symposium plenary session 2018
Practical Clinical Pearls for Advanced Outpatient Epilepsy Management in 2019
American Epilepsy Society annual meeting, New Orleans, LA
Symposium organizer and moderator: Inaugural NORSE Roundtable, in conjunction 2018
with The American Epilepsy Society annual meeting, New Orleans, LA
Program Moderator, Learning Lab: Wearable seizure detection, American Clinical 2019
Neurophysiology Society annual meeting, Las Vegas, NV
Co-chair, Epilepsy Foundation's Consensus Project on Best Practices in Rescue 2019
Therapies, Washington, DC
Symposium organizer and co-moderator: 2nd annual NORSE Roundtable, in conjunction 2019
with The American Epilepsy Society annual meeting, Baltimore, MD
Co-chair and moderator, Epilepsy Therapy Symposium plenary session 2019
Neurostimulation for Epilepsy: Which, When, Where and How?
American Epilepsy Society annual meeting, Baltimore, MD
Co-chair and moderator, Epilepsy Therapy Symposium plenary session 2020
Iatrogenicity in Epilepsy Care
American Epilepsy Society annual meeting, Seattle, WA
Course director: ACNS Guideline Review: ICU EEG Terminology 2021 (Feb)
American Clinical Neurophysiology Society Annual Meeting, Austin, TX
Co-chair, The Ictal-Interictal Continuum: Current concepts, controversies, approaches 2021 (Feb)
to management, and long-term outcomes. American Clinical Neurophysiology
Society Annual Meeting, Austin, TX
Symposium co-chair and moderator: Scientific symposium on neuro-inflammation in 2021 (Mar)
NORSE and related conditions. With the NORSE Institute (virtual)
Course director: Status Epilepticus and Critical Care EEG Monitoring 2021 (Apr)
American Academy of Neurology Annual Meeting, San Francisco, CA
Symposium organizer and co-moderator: 3rd annual NORSE Roundtable, in conjunction 2021 (Dec)
with The American Epilepsy Society annual meeting, Chicago, IL

Poster Tour Guide, American Clinical Neurophysiology Society annual meeting, virtual	2022 (Jan)
Course director: Status Epilepticus Update American Academy of Neurology Annual Meeting, Seattle, WA	2022 (Apr)
Symposium co-chair and moderator: Scientific symposium on NORSE. With the NORSE Institute (virtual)	2022 (Jun)
Symposium co-director: Acute symptomatic seizures and the ictal-interictal continuum. International Congress on Clinical Neurophysiology, Geneva, **Switzerland**	2022 (Sept)
Co-chair, course on EEG monitoring in the ICU, Salzburg, **Austria**	2022 (Sept)
Symposium organizer and co-moderator: 4th annual NORSE Roundtable, in conjunction with The American Epilepsy Society annual meeting, Nashville TN	2022 (Dec)
Moderator and panelist, Epilepsy CARE Day: conference for advocacy, resources and education. Epilepsy Foundation of CT, Hartford, CT	2023 (Jan)
Course director: Status Epilepticus Update American Academy of Neurology Annual Meeting, Boston, MA	2023 (Apr)
Co-organizer, Yale-ICM (Paris Brain Institute) workshop, epilepsy section (virtual)	2023 (May)
Co-director and co-moderator: Yale Epilepsy Research Retreat, Old Saybrook, CT	2023 (Nov)
Organizer and co-moderator: 5th annual NORSE Roundtable, in conjunction with The American Epilepsy Society annual meeting, Orlando FL	2023 (Dec)
Course Director: Neuromodulation Workshop, Epilepsy and Beyond. At the American Clinical Neurophysiology Society annual meeting, Orlando, FL	2024 (Feb)
Symposium chair and moderator: Scientific symposium on genetics of NORSE/ FIRES. With the NORSE Institute (virtual)	2024 (Apr)
Symposium chair and moderator: Scientific symposium on metagenomics, auto-antibodies & proteomics of NORSE/FIRES. With the NORSE Institute (virtual)	2024 (May)
Organizer and co-moderator: 6th annual NORSE Roundtable, in conjunction with The American Epilepsy Society annual meeting, Los Angeles, CA	2024 (Dec)
Symposium co-chair and co-moderator: Neurophysiology of Clinical Spells in the ICU: a case-based workshop. At the American Clinical Neurophysiology Society annual meeting, Baltimore, MD	2025 (Feb)

Committees/Foundations/Boards/review panels:

Parents Against Childhood Epilepsy (P.A.C.E.): Medical Board Member	1999-2011
American Epilepsy Society Student and Resident Education Committee: Member	2000-2010
Epilepsy Society of Southern NY: Professional Advisory Board member	2003-2011
American Epilepsy Society Corporate Advisory Committee: Member	2003-2006
American Clinical Neurophysiology Society Scientific Program Committee: member	2004-2005
American Clinical Neurophysiology Society: Council Member	2005-2010
Awards Committee, American Clinical Neurophysiology Society: Member	2005-2006
American Epilepsy Society Student and Resident Education committee: Vice-chair	2005-2006
American Epilepsy Society Scientific Program Committee: Member	2005-2010
American Clinical Neurophysiology Society's Critical Care Monitoring Committee: Founder and Chair (became the **Critical Care EEG Monitoring Research Consortium, CCEMRC**; >50 member centers as of 2017)	2006-2011
N.I.H. review panel for "Diagnostic technologies for chemical threat Exposure" SBIR awards: Member	2006
American Epilepsy Society Student and Resident Education committee: Chair	2006-2009
Scientific work group of the SUDEP combined task force of the AES and EFA: Member	2007-2008
Organizing Committee, N.I.H. Workshop on Sudden Unexplained Death 2008	

in Epilepsy (SUDEP): Member	
Professional Advisory Board, Epilepsy Society of Southern NY: Chair	2009-2011
Citizens United for Research in Epilepsy (CURE): Grant Reviewer	2010-2012
CDC/NINDS expert consultant meeting, SUDEP surveillance and research, member	2010
Platform session moderator, American Epilepsy Society annual meeting, San Antonio	2010
Poster walk moderator, American Epilepsy Society annual meeting, San Antonio	2010-11
ABRET Laboratory Accreditation Board for EEG: Reviewer	2010-12
ABRET Laboratory Accreditation Board for Long Term (Epilepsy and ICU) Monitoring: charter board member.	2010-2016
Amercian Clinical Neurophysiology Society's Guideline Committee: Member	2010-2021
American Clinical Neurophysiology Society's Scientific Program Committee: Member	2010-2016
American Epilepsy Society's Research Infrastructure Award Committee: Member	2008-2013
American Epilepsy Society's Research Infrastructure Award Committee: Vice-Chair	2009-2010
American Epilepsy Society's Research Infrastructure Award Committee: Chair	2010-2013
Critical Care EEG Monitoring Research Consortium: Immediate Past Chair and Executive Council member	2011-2013
Epilepsy Foundation of Connecticut, Professional Advisory Board: member	2012-
American Clinical Neurophysiology Society's Annual Course Committee	2012-2018
American Academy of Neurology's Epilepsy Section Executive Committee: member	2012-2018
American Epilepsy Society's Clinical Investigator Workshop Committee: member	2013-2016
American Epilepsy Society's Q-PULSE ("Quantitative Practical Use-Driven Learning Survey in Epilepsy"), Expert Panel: member.	2013-2019
American Academy of Neurology's Clinical Research Training Fellowship review Committee: member	2013-2015
Critical Care EEG Monitoring Research Consortium: Past Chair and Executive Council member	2013-2015
American Clinical Neurophysiology Society's Clinical Research Committee: Founding co-chair	2013-2015
American Clinical Neurophysiology Society's Research Highlights Award committee: Founding Co-chair	2014-2017
American Academy of Neurology's Epilepsy Expert Review Advisory Panel: member	2015-2021
American Clinical Neurophysiology Society's Development Committee: member	2016-2023
American Epilepsy Society's Epilepsy Therapy Symposium: co-chair	2017-2020
American Brain Foundation's Expert Review Panel for Epilepsy	2017-2020
Epilepsy Foundation's National Professional Advisory Board: member	2018-2021
Dept of Defense Epilepsy Research Program: Chair of study section	2018
American Epilepsy Society's Early Career Grant study section: member	2019
Member, National Professional Advisory Board, Epilepsy Foundation	2018-2021
American Epilepsy Society's Epilepsy Therapy Symposium Committee: Co-chair	2018-2020
American Clinical Neurophysiology Society's Development Committee: Co-chair	2019-2024
SUDEP Summit, Epilepsy Foundation, workgroup co-chair	2020
American Clinical Neurophysiology Society: Council Member	2020-2023, 2025-
American Clinical Neurophysiology Society's Clinical Research Committee: member (and prior founding co-chair)	2020-
American Clinical Neurophysiology Society's Webinar Committee: member	2021-2023
American Clinical Neurophysiology Society's Resident and Fellow Education Committee: member	2021-
Responsive Neurostimulation Registry Committee: Chair	2022-2023
American Clinical Neurophysiology Society: Executive Council member	2025-
American Clinical Neurophysiology Society: 2nd Vice President	2025-2026

Miscellaneous:

Neurology Consultant, Columbia University Athletic Department	1998-2002
Examiner, American Board of Clinical Neurophysiology Part II (oral EEG boards)	2007
External examiner for M.D. thesis, Faculty of Medicine and Health Sciences of the Royal College of Surgeons, Ireland	2009
External ad hoc reviewer, Pilot Study Funding program, Southwest National Primate Research Center (SNPRC)	2013
Guest speaker, Epilepsy Foundation fundraising evening event, Greenwich CT	2015
Reviewer, U.S.-Israel Binational Science Foundation grants	2016
External program reviewer, Henry Ford Hospital System Epilepsy Program	2017
Yale Emerging Leaders Program, Yale School of Management	2017-18
External grant reviewer, KU Leuven (University of Leuven), Research Council and IOF Council, Belgium	2018
Yale Advanced Emerging Leaders Program, Yale School of Management	2018-2019
Mentor, American Academy of Neurology's TRANSCENDs scholar program	2019-2020

PUBLICATIONS:

(Dr. Hirsch's preceptees/trainees in red, including students, residents, fellows, research assistants, and other mentees)
* = Dr. Hirsch is final and senior author

Summary statistics (as of 7/1/2025, per google scholar):

h-index 92; since 2020: 60.
i10-index 257; since 2020: 206.
>33,000 citations; >16,000 since 2020; >3000 citations in the year 2024.
As of 7/1/2025: 245 peer-reviewed manuscripts; 90 (37%) as 1st or last/senior author [16 as 1st author, 74 as senior or co-senior author]

Link to My Bibliography (most recent >300 articles as of Feb 5, 2025):
https://www.ncbi.nlm.nih.gov/myncbi/lawrence.hirsch.1/bibliography/public/

or direct link via PubMed:

(Hirsch LJ or Hirsch L) (yale or columbia or seizures or EEG or epilepticus or epilepsy) - Search Results - PubMed

PEER-REVIEWED MANUSCRIPTS: [most influential ones highlighted in gray]

1. *Hirsch LJ*, Spencer SS, Spencer DD, Williamson PD, Mattson RH. Temporal lobectomy in patients with bitemporal epilepsy defined by depth electroencephalography. *Ann Neurol* 1991; 30: 347-356.

2. *Hirsch LJ*, Spencer SS, Williamson PD, Spencer DD, Mattson RH. Comparison of bitemporal and unitemporal epilepsy defined by depth electroencephalography. *Ann Neurol* 1991; 30: 340-346.

3. *Hirsch LJ*, Lain AH, Walczak TS. Postictal nosewiping lateralizes and localizes to the ipsilateral temporal lobe. *Epilepsia* 1998;39:991-997.

4. Berg AT, Walczak TS, *Hirsch LJ*, Spencer SS. Multivariable prediction of seizure outcome one year after resective epilepsy surgery: development of a model with independent validation. *Epilepsy Research* 1998;29:185-194.

5. *Hirsch LJ*, Crispin D. EEG checkerboard pattern of bruxism. *Neurology*. 1999 Sep 11;53(4):669.

6. Hamberger M, *Hirsch LJ*. Effects of incorporating memory confidence ratings and language handicap modifications on intracarotid amobarbital procedure (Wada test) memory asymmetry scores. *Epilepsia* 1999 Sep;40(9):1286-91.

7. Claassen J, *Hirsch LJ*, Emerson RG, Bates JE, Thompson TB, Mayer SA. Continuous EEG Monitoring and Midazolam Infusion for Refractory Status Epilepticus. *Neurology* 2001;57: 1036-1042.

8. Nordli DR, Kuroda MM, *Hirsch LJ*. The ontogeny of partial seizures in infants and young children. *Epilepsia* 2001;42:986-990.

9. Nordli DR Jr, Kuroda MM, Carroll J, Koenigsberger DY, *Hirsch LJ*, Bruner HJ, Seidel WT, De Vivo DC. Experience with the ketogenic diet in infants. *Pediatrics* 2001;108:129-133.

10. Bazil CW, Rose A, Resor SR Jr., Yapicular B, *Hirsch LJ*. Levetiracetam may be more effective for late onset partial epilepsy. *Archives of Neurology* 2002;59:1905-1908.

11. Opherk C, Coromilas J, *Hirsch LJ**. Heart rate and EKG changes in 102 seizures: analysis of influencing factors. *Epilepsy Research* 2002;52:117-127.

12. Dennis LJ, Claassen J, *Hirsch LJ,* Emerson RG, Connolly ES, Mayer SA. Nonconvulsive status epilepticus after subarachnoid hemorrhage. *Neurosurgery* 2002;51:1136-1154.

13. McBride AE, Shih TT, *Hirsch LJ**. Video-EEG monitoring in the elderly: a review of 94 patients. *Epilepsia* 2002;43:165-169.

14. Opherk C, *Hirsch LJ**. Ictal heart rate differentiates epileptic from non-epileptic seizures. *Neurology* 2002;58:636-638.

15. Claassen J, *Hirsch LJ*, Emerson RG, Mayer SA. Treatment of refractory status epilepticus with pentobarbital, propofol, or midazolam: a systematic review. *Epilepsia* 2002;43:146-153.

16. Claassen J, *Hirsch LJ*, Mayer SA. Treatment of Status Epilepticus: a Survey of Neurologists. *J Neurol Sci* 2003;211:37-41.

17. Shih TT, *Hirsch LJ**. Tonic-absence seizures: an under-recognized seizure type. *Epilepsia* 2003;44:461-465.

18. Claassen J, Peery S, Kreiter KT, *Hirsch LJ*, Du YE, Connolly ES, Mayer SA. Predictors and clinical impact of epilepsy after subarachnoid hemorrhage. *Neurology* 2003;60:208-14.

19. Schevon CA, Thompson T, *Hirsch LJ*, Emerson RG. Inadequacy of standard screen resolution for localization of seizures recorded from intracranial electrodes. *Epilepsia*. 2004;45:1453-8.

20. Claassen J, Mayer SA, Kowalski RG, Emerson RG, *Hirsch LJ**. Detection of electrographic seizures with continuous EEG monitoring in critically ill patients. *Neurology* 2004;62:1743-8.

21. *Hirsch LJ*, Weintraub D, Du YE, Buchsbaum R, Spencer HT, Hager M, Straka T, Bazil CW, Adams DJ, Resor SR Jr, Morrell MJ. Correlating lamotrigine serum concentrations with tolerability in patients with epilepsy. *Neurology* 2004, 63:1022-1026.

22. Claassen J, *Hirsch LJ*, Kreiter K, Du YE, Connolly ES, Emerson RG, Mayer SA. Quantitative continuous EEG for detecting delayed cerebral ischemia in patients with poor-grade subarachnoid hemorrhage. *Clin Neurophysiol* 2004;115:2699-2710.

23. *Hirsch LJ,* Claassen J, Mayer SA, Emerson RG. Stimulus-Induced Rhythmic, Periodic, or Ictal Discharges (SIRPIDs): A common EEG phenomenon in the critically ill. *Epilepsia* 2004;45:109-123.

24. Sloviter RS, Kudrimoti HS, Laxer KD, Barbaro NM, Chan SC, *Hirsch LJ*, Goodman RR, Pedley TA.. "Tectonic" hippocampal malformations in patients with temporal lobe epilepsy. *Epilepsy Research* 2004, 59:123-153.

25. Wittman JJ, *Hirsch LJ**. Continuous electroencephalogram monitoring in the critically ill. *Neurocritical Care* 2005;2:330-41.

26. Weintraub D, Buchsbaum R, Resor SR Jr, *Hirsch LJ**. Effect of antiepileptic drug comedication on lamotrigine clearance. *Archives of Neurology* 2005;62:1432-1436.

27. Tay SK, *Hirsch LJ*, Leary L, Jette N, Wittman J, Akman CI. Nonconvulsive status epilepticus in children: clinical and EEG characteristics. *Epilepsia*. 2006 Sep;47(9):1504-9.

28. Malik S, Arif H, *Hirsch LJ**. Lamotrigine and its applications in the treatment of epilepsy and other neurological and psychiatric disorders. *Expert Rev Neurother* 2006 Nov;6(11):1609-27.

29. McClelland S III, Garcia RE, Peraza DM, Shih TT, *Hirsch LJ*, Hirsch J, Goodman RR. Facial emotion recognition following curative nondominant temporal lobectomy in patients with mesial temporal sclerosis. *Epilepsia* 2006;47:1337-1342.

30. Claassen J, *Hirsch LJ*, Frontera JA, Fernandez A, Schmidt M, Kapinos G, Wittman J, Connolly ES, Emerson RG, Mayer SA. Prognostic significance of continuous EEG monitoring in patients with poor grade subarachnoid hemorrhage. *Neurocrit Care* 2006;4(2):103-12.

31. Robakis T, *Hirsch LJ**. Literature review, case report and expert discussion of prolonged refractory status epilepticus. *Neurocrit Care* 2006;4(1):35-46.

32. Vanpassel L, Arif H, *Hirsch LJ**. Topiramate for the treatment of epilepsy and other nervous system disorders. *Expert Rev Neurotherapeutics* 2006;6(1):19-31.

33. *Hirsch LJ*, Weintraub D, Buchsbaum R, Spencer HT, Straka T, Hager M, Resor SR Jr. Predictors of lamotrigine-associated rash. *Epilepsia* 2006;47(2):318-322.

34. Claassen J, Jette N, Chum F, Green R, Schmidt M, Choi H, Jirsch J, Frontera JA, Connolly ES, Emerson RG, Mayer SA, Hirsch LJ*. Electrographic seizures and periodic discharges after intracerebral hemorrhage. *Neurology* 2007;69(13):1356-1365.

35. Claassen J, Bateman BT, Willey JZ, Inati S, *Hirsch LJ*, Mayer SA, Sacco RL, Schumacher HC. Generalized convulsive status epilepticus after nontraumatic subarachnoid hemorrhage: the nationwide inpatient sample. *Neurosurgery* 2007; 61(1): 60-4; discussion 64-5.

36. Jirsch J, *Hirsch LJ**. Nonconvulsive seizures: developing a rational approach to the diagnosis and management in the critically ill population. *Clin Neurophysiology* 2007;118(8):1660-70.

37. *Hirsch LJ*, Arif H, Buchsbaum R, Weintraub DB, Lee J, Chang JT, Resor SR Jr., Bazil CW. Effect of Age and Comedication on Levetiracetam Pharmacokinetics and Tolerability. *Epilepsia* 2007;48(7): 1351-9.

38. Bateman BT, Claassen J, Willey JZ, *Hirsch LJ*, Mayer SA, Sacco RL, Schumacher HC. Convulsive status epilepticus after ischemic stroke and intracerebral hemorrhage: frequency, predictors, and impact on outcome in a large administrative dataset. *Neurocrit Care* 2007;7(3):187-93.

39. Hamberger MJ, Palmese CA, Scarmeas N, Weintraub D, Choi H, *Hirsch LJ**. A Randomized, Double-Blind, Placebo-Controlled Trial of Donepezil to Improve Memory in Epilepsy. *Epilepsia* 2007 Jul;48(7):1283-91.

40. Smolowitz J, Hopkins SC, Perrine T, Eck K, *Hirsch LJ,* Mundinger MO. Diagnostic Utility of an Epilepsy Monitoring Unit. *Am J Medical Quality*. 2007; 22(2):117-122.

41. Arif H, Buchsbaum R, Weintraub D, Koyfman S, Salas-Humara C, Bazil CW, Resor SR Jr, *Hirsch LJ**. Comparison and predictors of rash associated with 15 antiepileptic drugs. *Neurology* 2007; 1701-1709.

42. Jette N, Claassen J, Emerson RG, *Hirsch LJ**. Frequency and predictors of nonconvulsive seizures during continuous electroencephalographic monitoring in critically ill children. *Arch Neurol* 2006 Dec;63(12):1750-5.

43. Weintraub D, Buchsbaum R, Resor SR Jr., *Hirsch LJ**. Psychiatric and behavioral side effects of the newer antiepileptic drugs in adults with epilepsy. *Epilepsy Behav,* 2007;10:105-110.

44. *Hirsch LJ*, Arif H, Nahm EA, Buchsbaum R, Resor SR Jr., Bazil CW. Cross-sensitivity of skin rashes with antiepileptic drug use. *Neurology* 2008;71(19):1527-1534.

45. Carrera E, Claassen J, Oddo M, Emerson RG, Mayer SA, *Hirsch LJ**. Continuous electroencephalographic monitoring in critically-ill patients with central nervous system infections. *Arch Neurol* 2008;65(12):1612-1618.

46. Montenegro MA, Arif H, Nahm EA, Resor Jr SR, *Hirsch LJ**. Efficacy of clobazam as add-on therapy for refractory epilepsy: Experience at a US epilepsy center. *Clin Neuropharmacol* 2008;31(6):333-338.

47. *Hirsch LJ*, Pang T, Claassen J, Chang C, Abou Khaled K, Wittman J, Emerson RG. Focal motor seizures induced by alerting stimuli in critically ill patients. *Epilepsia* 2008;49:968-73.

48. Friedman DE, Schevon C, Emerson RG, *Hirsch LJ**. Cyclic electrographic seizures in critically ill patients. *Epilepsia* 2008 Feb;49(2):281-7.

49. Arif H, Buchsbaum R, Weintraub D, Piero J, Resor Jr SR, *Hirsch LJ**. Patient-reported cognitive side effects of antiepileptic drugs (AEDs): Predictors and comparison of all commonly used AEDs. *Epilepsy Behav* . 2009 Jan;14(1):202-9.

50. Oddo M, Carrera E, Claassen J, Mayer SA, *Hirsch LJ**. Continuous Electroencephalography in the Medical Intensive Care Unit. *Crit Care Med* 2009 Jun;37(6):2051-6.

51. Varghese G, Purcaro MJ, Motelow JE, Enev M, McNally KA, Levin AR, *Hirsch LJ*, Tikofsky R, Paige AL, Zubal IG, Spencer SS, Blumenfeld H. Clinical use of ictal SPECT in secondarily generalized tonic-clonic seizures. *Brain* 2009 Aug;132(Pt 8):2102-13.

52. Blumenfeld H, Varghese G, Purcaro MJ, Motelow JE, Enev M, McNally KA, Levin AR, *Hirsch LJ*, Tikofsky R, Zubal IG, Paige AL, Spencer SS. Cortical and subcortical networks in human secondarily generalized tonic-clonic seizures. *Brain* 2009 Apr;132(Pt 4):999-1012.

53. Friedman D, Claassen J, *Hirsch LJ**. Continuous electroencephalogram monitoring in the intensive care unit. *Anesth Analg* 2009 Aug;109(2):506-23.

54. Waziri A, Claassen J, Stuart RM, Arif H, Schmidt JM, Mayer SA, Badjatia N, Kull LL, Connolly ES, Emerson RG, *Hirsch LJ**. Intracortical electroencephalography in acute brain injury. *Ann Neurol* 2009 Apr;66(3): 366-377.

55. Friedman DE, *Hirsch LJ**. How long does it take to make an accurate diagnosis in an epilepsy monitoring unit? *J Clin Neurophysiol* 2009 Aug;26(4):213-7.

56. Stuart RM, Schmidt M, Kurtz P, Waziri A, Helbok R, Mayer SA, Lee K, Badjatia N, *Hirsch LJ*, Connolly ES, and Claassen J. Intracranial Multimodal Monitoring for Acute Brain Injury: A Single Institution Review of Current Practices. *Neurocrit Care* 2010 Apr;12(2):188-98.

57. Arif H, Buchsbaum R, Piero J, Whalen M, Sims J, Resor SR Jr, Bazil CW, *Hirsch LJ**. Comparative effectiveness of 10 antiepileptic drugs in older adults with epilepsy. *Arch Neurol* 2010 Apr;67(4):408-15.

58. Abend NS, Dlugos DJ, Hahn CD, *Hirsch LJ*, Herman ST. Use of EEG monitoring and management of non-convulsive seizures in critically ill patients: A survey of neurologists. *Neurocrit Care* 2010 Jun;12(3):382-9.

59. Stuart RM, Waziri A, Weintraub D, Schmidt MJ, Fernandez L, Helbok R, Kurtz P, Lee K, Badjatia N, Emerson RG, Mayer SA, Connolly ES, *Hirsch LJ*, Claassen J. Intracortical EEG for the Detection of Vasospasm in Patients with Poor-Grade Subarachnoid Hemorrhage. *Neurocrit Care* 2010 Dec;13(3):355-8.

60. *Hirsch LJ*, Donner EJ, So EL, Jacobs MP, Nashef L, Noebels JL, Buchhalter JR. Abbreviated Report of the NIH/NINDS workshop on Sudden Unexpected Death in Epilepsy (SUDEP). *Neurology* 2011;76(22):1932-8.

61. Morrell MJ; RNS System in Epilepsy Study Group. Responsive cortical stimulation for the treatment of medically intractable partial epilepsy. *Neurology* 2011;77:1295-304.

62. Bausell R, Svoronos A, Lennihan L, *Hirsch LJ**. Recovery after severe refractory status epilepticus and 4 months of coma. *Neurology* 2011;77(15):1494-5.

63. Arif H, Svoronos A, Resor SR Jr, Buchsbaum R, *Hirsch LJ**. The effect of age and comedication on lamotrigine clearance, tolerability, and efficacy. *Epilepsia* 2011;52(10): 1905-13.

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65. Mani R, Arif H, *Hirsch LJ*, Gerard EE, LaRoche SM. Interrater reliability of ICU EEG research terminology. *J Clin Neurophysiol* 2012;29(3):203-12.

66. Foreman B, Claassen J, Abou Khaled K, Jirsch J, Alschuler DM, Wittman J, Emerson RG, *Hirsch LJ**. Generalized periodic discharges in the critically ill: a case control study of 200 patients. *Neurology* 2012;79(19):1951-1960.

67. Bauerschmidt A, Koshkelashvili N, Ezeani CC, Yoo JY, Zhang Y, Manganas LN, Kapadia K, Palenzuela D, Schmidt CC, Lief R, Kiely B, Choezom T, McClurkin M, Shorten A, Detyniecki K, *Hirsch LJ*, Giacino JT. Prospective assessment of ictal behavior using the revised Responsiveness in Epilepsy Scale (RES-II). *Epilepsy and Behavior* 2012;26(1):25-28.

2013

68. Tomson T, *Hirsch LJ*, Friedman D, Bester N, Hammer A, Irizarry M, Ishihara L, Krishen A, Spaulding T, Wamil A, Leadbetter R. Sudden unexpected death in epilepsy in lamotrigine randomized-controlled trials. *Epilepsia* 2013;54(1):135-40.

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