

CURRICULUM VITAE

Chad Carlson MD

**Interim Chair, Professor
Department of Neurology
Division of General**

OFFICE ADDRESS:

Hub for Collaborative Medicine
8701 Watertown Plank Road
Milwaukee, WI 53226

EDUCATION:

09/1992 - 05/1997 B.A. with Honors in German Literature., University of Wisconsin - Madison, Madison, WI
06/1996 - 05/2000 M.D., University of Wisconsin - Madison School of Medicine, Madison, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2000 - 06/30/2001 Internship (Categorical), Department of Internal Medicine, University of Illinois - Urbana/Champaign, Urbana, IL
07/01/2001 - 06/30/2004 Neurology Resident, Department of Neurology, University of Iowa Hospitals and Clinics, Iowa City, IA
07/01/2003 - 06/30/2004 Chief Resident, Department of Neurology, University of Iowa Hospitals and Clinics, Iowa City, IA
07/01/2004 - 06/30/2005 Clinical Neurophysiology Fellow, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
07/01/2005 - 06/30/2006 Epilepsy/Epilepsy Surgery Fellow, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY

FACULTY APPOINTMENTS:

03/2006 - 01/2008 Instructor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
01/2008 - 12/14/2012 Assistant Professor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
12/14/2012 - Present Adjunct Assistant Professor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
01/15/2013 - 06/30/2019 Associate Professor, Department of Neurology, Epilepsy Division, Medical College of Wisconsin, Milwaukee, WI 53226
07/01/2019 - Present Professor, Department of Neurology, Epilepsy Division, Medical College of Wisconsin, Milwaukee, WI 53226

ADMINISTRATIVE APPOINTMENTS:

01/01/2025 - Present Interim Chair, Neurology, Medical College of Wisconsin

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

01/01/2011 - 12/14/2012 Fellowship Associate Program Director, Neurology, Clinical Neurophysiology Fellowship, New York University School of Medicine, New York City, NY
07/01/2013 - 06/30/2022 Fellowship Program Director, Neurology, Clinical Neurophysiology Fellowship, Medical College of Wisconsin, Milwaukee, WI
06/15/2014 - 01/31/2025 Residency Program Director, Neurology, Neurology Residency, Medical College of Wisconsin, Milwaukee, WI
07/01/2016 - 06/30/2022 Fellowship Program Director, Neurology, Epilepsy Fellowship, Medical College of

Wisconsin, Milwaukee, WI

10/01/2020 - 01/01/2025 Vice Chair - Education, Neurology, Medical College of Wisconsin, Milwaukee, WI
07/01/2022 - 01/01/2025 Fellowship Associate Program Director, Neurology, Clinical Neurophysiology Fellowship, Medical College of Wisconsin, Milwaukee, WI
07/01/2022 - 01/01/2025 Fellowship Associate Program Director, Neurology, Epilepsy Fellowship, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

03/2006 - 12/14/2012 Director of the Epilepsy Special Procedures Service, Neurology, Epilepsy, New York University Langone Medical Center, New York City, NY
01/2011 - 12/14/2012 Director of the Video EEG Laboratory, Neurology, Epilepsy, New York University Langone Medical Center, New York City, NY
01/14/2013 - Present Co-Director of the Epilepsy Program, Neurology, Epilepsy, Froedtert Hospital., Milwaukee, WI
07/01/2013 - 07/01/2014 Associate Vice Chair for Quality, Department of Neurology, Epilepsy Division, Froedtert Memorial Lutheran Hospital, Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

03/2006 - 12/14/2012 Attending Physician, Department of Neurology, Epilepsy Division, New York University Langone Medical Center, 530 1st Avenue, New York City, NY 10016
01/14/2013 - Present Attending Physician, Department of Neurology, Epilepsy Division, Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave, Milwaukee, WI 53122

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Neurology	04/01/2005	None
Clinical Neurophysiology	05/01/2007	None
Epilepsy	10/28/2013	None

AWARDS AND HONORS:

1993 Medical Scholars Summer Research Award, University of Wisconsin - Madison
1994 Hilldale Undergraduate Research Award, University of Wisconsin - Madison
1995 Delta Phi Alpha, German National Honor Society
1996 University Bookstore Academic Excellence Award for independent study/research achievement, University of Wisconsin - Madison
1996 Peter and Emily Lound Scholarship awarded based on leadership and service to the Medical Scholars Program, University of Wisconsin - Madison
2003 Travel Award for the International Geriatric Epilepsy Symposium
2010 - 2013 Junior Steward NINDS Benchmark Stewards Contributor, NINDS and the American Epilepsy Society
07/01/2013 - 06/30/2014 Highest Scoring Providers for Patient Satisfaction (FY 2014), Froedtert & The Medical College of Wisconsin
10/28/2013 - 06/16/2014 Faculty Scholars Program in Quality and Patient Safety, Froedtert Memorial Lutheran Hospital and the Medical College of Wisconsin.
2014 - 2020 Best Doctors in America: Neurology
06/05/2015 Distinguished Service Award presented by the Neurology Residents for teaching and programmatic development, Medical College of Wisconsin
07/01/2015 - 06/30/2016 Top 15 Highest Scoring Providers for Patient Satisfaction (FY 2016), Froedtert & The Medical College of Wisconsin
2015 - 2025 Top Doctors: Neurology, American Registry/Castle Connolly
04/16/2016 A. B. Baker Teacher Recognition National Honor Roll, American Academy of Neurology
06/03/2016 Special Recognition Award presented by the Neurology Residents for excellence in leadership, guidance, mentoring, and teaching, Medical College of Wisconsin
07/01/2016 - 06/30/2017 Outstanding Medical Student Teacher for 2016-2017, Medical College of Wisconsin
07/01/2016 - 06/30/2017 Patient Satisfaction Survey highest scoring providers (FY 2017), Froedtert & The

Medical College of Wisconsin
07/01/2017 - 06/30/2018 Top Patient Experience Award (FY 2018), Froedtert & The Medical College of Wisconsin
07/01/2017 - 06/30/2018 Outstanding Medical Student Teacher for 2017-2018, Medical College of Wisconsin
06/19/2020 Special Recognition Award presented by the Graduating Neurology Residents for providing excellence in leadership, guidance, mentoring and teaching, Medical College of Wisconsin
12/23/2020 Fellow, American Academy of Neurology
2021 Residency-Fellowship Program Director Recognition Award, American Academy of Neurology
06/17/2022 Distinguished Service Award presented by the Graduating Neurology Residents for providing continuous support and positive change for the residents and residency program, Medical College of Wisconsin
2022 - 2023 Milwaukee Top Doctors: Neurology
11/19/2024 Fellow, American Epilepsy Society
03/11/2025 Guillermo F. Carrera, MD Graduate Medical Education Excellence in Program Leadership Award, Medical College of Wisconsin Affiliated Hospitals, Inc.

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2001 - 12/22/2020 American Academy of Neurology (Member)
2003 - 11/01/2024 American Epilepsy Society (Member)
12/23/2020 - Present American Academy of Neurology (Fellow)
09/23/2021 - Present Medical College of Wisconsin Society of Teaching Scholars (Member)
11/01/2024 - Present American Epilepsy Society (Fellow)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorship
01/01/2009 - 12/31/2017 Contributing Editor, Epilepsy Currents
Editorial Board
06/01/2016 - 12/31/2017 Epilepsia-Open
Journal Review
Epilepsy & Behavior
BMC Medical Education
Journal of Neurosciences in Rural Practice
Journal of Neural Transmission
PLOS One
Epilepsia
Journal of Neurology, Neurosurgery & Psychiatry
Human Brain Mapping

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

07/01/2014 - 06/30/2022 Chair, Neurophysiology Clinical Competency Committee, Medical College of Wisconsin
07/01/2014 - 01/31/2025 Chair, Neurology Program Evaluation Committee, Medical College of Wisconsin
07/01/2014 - 06/30/2022 Chair, Neurophysiology Program Evaluation Committee, Medical College of Wisconsin
07/01/2014 - 01/31/2025 Chair, Neurology Clinical Competency Committee, Medical College of Wisconsin
07/01/2015 - 06/30/2017 Chair, Annual Institutional Review Committee, Medical College of Wisconsin
07/01/2016 - 06/30/2022 Chair, Epilepsy Clinical Competency Committee, Medical College of Wisconsin
07/01/2016 - 06/30/2022 Chair, Epilepsy Program Evaluation Committee, Medical College of Wisconsin
11/01/2018 - 01/01/2020 Chair, New Innovations Advisory Committee, Medical College of Wisconsin
Affiliated Hospitals
11/01/2022 - 02/01/2025 Chair, GMEC: Education Subcommittee, Medical College of Wisconsin Affiliated Hospitals

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

10/01/2012 - 12/31/2015 Vice Chair, Q-PULSE Committee, American Epilepsy Society
01/01/2016 - 12/31/2018 Chair, Q-PULSE Committee, American Epilepsy Society

11/22/2019 - 06/30/2021 Working Group Member, Epilepsy Milestones 2.0 Working Group, Accreditation Council for Graduate Medical Education ACGME)

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title: Flourishing and Crisis: Constructing Practical Wisdom Through a Caring Community of Graduate Medical Education Leaders
Source: MCW Flourishing (supported by the Kern Family Foundation)
Role & Effort: Co-Investigator: 0.05 FTE
PI: Kathryn Fletcher, MD
Dates: 07/01/2025 - 06/30/2026
Direct Funds: \$94,619

Non-Peer Review

Title: A First-in-human Study of Inhibitory Interneurons (NRTX-1001) in Drug-Resistant Unilateral Mesial Temporal Lobe Epilepsy
Source: Neurona Therapeutics
Role & Effort: Sub-Investigator
PI: Sean Lew, MD
Dates: 12/01/2022 - Present

Title: A Study of Inhibitory Interneurons (NRTX-1001) for the Treatment of Drug-resistant Bilateral Temporal Lobe Focal Seizures
Source: Neurona Therapeutics
Role & Effort: Sub-Investigator
PI: Sean Lew, MD
Dates: 03/27/2025 - Present

Title: Camaraderie Matters
Source: Thrive Together Well-Being Grant; Froedtert Health
PI: Chad Carlson
Dates: 07/01/2025 - 06/30/2026
Direct Funds: \$2,000

Prior

Peer Review

Title: Neural Basis of Endogenous Potentials in Humans
Source: NIH
Role & Effort: Co-Investigator on NYU Subcontract
PI: Eric Halgren, PhD with Thomas Thesen, DPhil (NYU Subcontract)
Dates: 05/01/2007 - 04/30/2012
Direct Funds: \$659,335 (NYU Subcontract)

Title: Defining the epileptogenic zone in

Source:	Tuberous Sclerosis Complex: microelectrode recordings in children with intractable epilepsy and TSC
Role & Effort:	Tuberous Sclerosis Alliance
PI:	Co-Investigator
Dates:	Howard Weiner, MD
Direct Funds:	07/01/2008 - 06/30/2011
	\$135,531
Title:	Detection of epileptogenic malformations with surface-based MRI morphometry
Source:	Epilepsy Foundation
Role & Effort:	Principal Investigator
Dates:	01/01/2010 - 12/31/2010
Direct Funds:	\$49,816
Title:	Imaging of Language in the Preoperative Evaluation of Epilepsy
Source:	NIH
Role & Effort:	Co-Investigator
PI:	Carrie McDonald, PhD with Thomas Thesen, DPhil (NYU Subcontract)
Dates:	03/01/2010 - 02/29/2015
Direct Funds:	\$95,283 (NYU Subcontract)
Title:	Cortical Localization in Temporal Lobe Epilepsy
Source:	NIH
Role & Effort:	Subcontract (NYU) Principal Investigator
PI:	Marla Hamberger, PhD with Chad Carlson, MD (NYU Subcontract)
Dates:	09/01/2010 - 06/30/2015
Direct Funds:	\$108,526 (NYU Subcontract)
Title:	Topographic mapping of a hierarchy of temporal receptive windows using natural stimuli
Source:	NIH
Role & Effort:	Co-Investigator
PI:	Uri Hasson, PhD with Thomas Thesen, DPhil (NYU Subcontract)
Dates:	07/07/2011 - 03/31/2016
Direct Funds:	\$1,785,700 (Total funds- NYU subcontract total included)
Title:	Flourishing and Crisis: Constructing Practical Wisdom Through a Caring Community of Graduate Medical Education Leaders
Source:	MCW Flourishing (supported by the Kern Family Foundation)
Role & Effort:	Co-Investigator: 0.05 FTE
PI:	Kathlyn Fletcher, MD
Dates:	09/01/2024 - 06/30/2025
Direct Funds:	\$94,700

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**International**

Chad Carlson, Magnetoencephalographic Lateralization and Localization of, Annual Meeting of the Eastern Association of Electroencephalographer's, New York City, NY, 02/2007

Chad Carlson, Magnetoencephalography Clinical Case Conference, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Data Analysis Roundtable Discussion, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Epilepsy Roundtable Panel Discussion, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Advances in Neuroimaging and Epilepsy, 24th Conferencia de Epilepsia del Caribe, Dorado, Puerto Rico, 11/2007

Chad Carlson, Future Directions in Epilepsy Research, 24th Conferencia de Epilepsia del Caribe, Dorado, Puerto Rico, 11/2007

Chad Carlson, Intracranial EEG, CAMELICE (Capitulo Mexicano de la Liga Internacional Contra la Epilepsia), Durango, Mexico, 09/2012

Chad Carlson, Navigating Your Career: Finding Your Niche in Neurology: Perspectives from an Epileptologist and Educator, 69th Annual meeting of the American Academy of Neurology, Boston, MA, 04/23/2017

Chad Carlson, Navigating Your Career: Transitioning from a Clinical Research Career to an Educational and Clinical Focused Career, 69th Annual meeting of the American Academy of Neurology, Boston, MA, 04/23/2017

Chad Carlson, Navigating Your Career: Finding Your Niche in Neurology: Perspectives from an Epileptologist and Educator, 70th Annual meeting of the American Academy of Neurology, Los Angeles, CA, 04/23/2018

Chad Carlson, Navigating Your Career: Transitioning from a Clinical Research Career to an Educational and Clinical Focused Career, 70th Annual meeting of the American Academy of Neurology, Los Angeles, CA, 04/23/2018

Chad Carlson, Length of Stay as a Measure of Quality in the Safety and Quality Special Interest Group (SIG), 72nd Annual Meeting of the American Epilepsy Society, New Orleans, LA, 12/01/2018

Chad Carlson, Approaches to Treatment Resistant Epilepsy in 2020, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Intracranial EEG: Where We Were and Where We Are, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Deepak Gill, JMK Murth, Vinod Puri, Panel Discussion: Everything Under the Sun on Epilepsy Management, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Deepak Gill, Atampreet Singh, Dinesh Nayak, Shymal Jaiswal, SA Jabeen, Swapan Gupta, Parul Dubey, K Radhakrishnan, JMK Murthy, Video Session: Unusual Semiology, Unusual and Difficult to Treat Cases, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Marijuana, Cannabidiol, and Epilepsy Treatment, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Predicting Outcomes from Resective Epilepsy Surgery: The Epilepsy Surgery Grading Scale, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Teaching Methodologies in Neurology and Epilepsy, Dr. Bhuwan Garg Oration for the International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Vikram Rao, Kathryn Davis, Eric Anderson, Sara Inati, Michael Doherty, Peter Forgacs, Thomas Wychowski, Patricia Dugan, Panel Discussion: Clinical Careers Pathways, 74th Annual Meeting of the American Epilepsy Society Meeting, Virtual Meeting (in person meeting in Seattle,

WA cancelled due to COVID19), 12/07/2020

Ashlie Schaffner and Chad Carlson, Building a Successful Program Director and Program Coordinator Team, American Academy of Neurology Annual Meeting: Education Coordinators Section, Seattle, WA, 04/04/2022

Ashlie Schaffner and Chad Carlson, Using Technology to Enhance Your Program, American Academy of Neurology Annual Meeting: Education Coordinators Section, Boston, MA, 04/24/2023

Ashlie Schaffner and Chad Carlson, Effectively Using Evaluation Data, American Academy of Neurology Annual Meeting: Education Coordinators Section, Boston, MA, 04/25/2023

National

Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 11/2006

Chad Carlson, Ask the Experts Panelist Session, Ortho-McNeil Training Session, New York City, NY, 11/2007

Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 11/2007

Chad Carlson, The Cellular Basis of Magnetoencephalography, 61st Annual Meeting of the American Epilepsy Society, Philadelphia, PA, 12/2007

Chad Carlson, Ask the Experts Panel Session, Ortho-McNeil Training Session, New York City, NY, 04/2008

Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 04/2008

Chad Carlson, Development of an Epilepsy Surgery Grading Scale, Epilepsy Surgery Grading Scale Consortium Meeting, New York City, NY, 07/2008

Chad Carlson, Ask the Expert Question and Answer Session, Pfizer Preceptorship, New York City, NY, 12/2008

Chad Carlson, Epilepsy Questions and Answers, Eisai Preceptorship, New York City, NY, 08/2010

Chad Carlson, New Frontiers in Epilepsy, CareFusion All Employee Meeting, Middleton, WI, 02/2011

Chad Carlson, Ask the Professor: Questions and Answers, Upsher-Smith Preceptorship, New York City, NY, 08/2012

Chad Carlson, Epilepsy 101: Pathophysiology, Epileptogenesis, and Diagnosis, Upsher-Smith Preceptorship, New York City, NY, 08/2012

Chad Carlson, Stratifying Candidates for Resective Epilepsy Surgery: Predictive Factors for Seizure Freedom, New York University Neurology Grand Rounds, New York, NY, 02/11/2014

Chad Carlson, The Epilepsy Surgery Grading Scale, Yale Comprehensive Epilepsy Center Monday Afternoon Coffee Seminar on Epilepsy Research, New Haven, CT, 02/04/2019

Chad Carlson (Moderator), Thomas Thesen, Daniel Novak, Vincent VanBuren, Adam Rodman, Integration of AI into Healthcare Education, IHER, Virtual (Milwaukee, WI), 09/18/2024

Kathlyn Fletcher and Chad Carlson, Exploring the Definition of Flourishing and the Factors Related to Not Flourishing, Kern National Network 4th Annual Meeting, Minneapolis, MN, 09/11/2025

Kathlyn Fletcher and Chad Carlson, Roundtable: Flourishing (and Not Flourishing) in Graduate Medical Education, Innovations in Healthcare Education Research Conference, Milwaukee, WI, 09/17/2025

Regional

Chad Carlson, Epilepsy Evaluation in 2005: Gateways to Seizure Freedom, University of Iowa Hospitals and Clinics Neurology Department Lecture Series, Iowa City, IA, 06/2005

Chad Carlson, Update on MEG Technology and Clinical Application, New York University Neurology Grand Rounds, New York City, NY, 04/2008

Chad Carlson, Am I a candidate for Epilepsy Surgery?, FACES 2009 Epilepsy Conference, New York City, NY, 10/2009

Chad Carlson, Where Are We Going? New Therapies in Epilepsy Panel Discussion, FACES 2009 Epilepsy Conference, New York City, NY, 10/2009

Chad Carlson, Magnetoencephalography in Pediatric Epilepsy, New York University Pediatric Neurology Grand Rounds, New York City, NY, 01/2010

Chad Carlson, Stratifying Candidates for Resective Epilepsy Surgery: Predictive Factors for Seizure Freedom, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 07/2012

Chad Carlson, Epilepsy Surgery from a Multidisciplinary Perspective, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 06/2013

Chad Carlson, Magnetoencephalography: Translating Neuroscience to the Clinic and Back Again, 2014
Annual Milwaukee Chapter for the Society for Neurosciences Meeting, Milwaukee, WI, 04/29/2014

Chad Carlson and Ann Helms, Medical Education, Evaluations, and Feedback for Residents, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 08/08/2014

Chad Carlson, Intracranial EEG and Epilepsy Surgery, Medical College of Wisconsin Neurosurgery Grand Rounds, Milwaukee, WI, 08/21/2015

Chad Carlson, Marijuana for the Treatment of Epilepsy, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 12/04/2015

Chad Carlson, Evaluating Trainees Utilizing Entrustable Professional Activities., Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 02/05/2016

Chad Carlson, Approaches to Treatment Resistant Epilepsy 2016, University of Iowa Hospitals and Clinics Neurology Grand Rounds, Iowa City, IA, 09/13/2016

Chad Carlson, You Never Forget Your First? Impact of Interview Order on the Neurology Residency Rank List., Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 01/26/2018

Chad Carlson, Approaches to Treatment Resistant Epilepsy in 2018, Medical College of Wisconsin Neurosurgery Grand Rounds, Milwaukee, WI, 02/23/2018

Chad Carlson, Autoimmune Mechanisms in Epilepsy, Heart of Wisconsin Epilepsy Foundation Conference, Marshfield Hospital and Clinics; Marshfield, WI, 05/18/2018

Chad Carlson, New Treatment Options for Treatment Resistant Epilepsy, Wisconsin Neurological Society, Osthoff Resort; Elkhart Lake, WI, 10/19/2018

Chad Carlson, Teaching Methodologies in Neurology and Epilepsy, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 04/10/2020

Chad Carlson, Evaluations in Medical Education: Focus on Residency, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 05/28/2021

Chad Carlson, Epilepsy and Seizures: An Overview, Wisconsin Department of Corrections: ACP Meeting, Virtual, 01/07/2022

Chad Carlson and Avantika Singh, Epilepsy Across the Lifespan, Neurology 50th Anniversary CME, Milwaukee, WI, 09/21/2024

Chad Carlson, Driving Restrictions and Epilepsy, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 10/25/2024

Chad Carlson, Epilepsy - An Overview for the Non-Neurologist, 2025 Winter Refresher Course for Family Medicine, Milwaukee, WI, 03/07/2025

Chad Carlson, The Neurological Examination, Door County Summer Institute Workshop, Egg Harbor, WI, 07/24/2025

Chad Carlson, Movement Disorders for the Psychiatrist, Door County Summer Institute Workshop, Egg Harbor, WI, 07/24/2025

Chad Carlson, Epilepsy for the Non-Neurologist, Door County Summer Institute Workshop, Egg Harbor, WI, 07/25/2025

Chad Carlson, Functional Seizures (Psychogenic Non-Epileptic Events), Door County Summer Institute Workshop, Egg Harbor, WI, 07/25/2025

Chad Carlson, Epilepsy Surgery: Who, Why, How, 2025 Epilepsy Foundation Conference, Madison, WI, 10/15/2025

Phyllis King, Chad Carlson, Olga Imas, Brittany Schultz, Lane Sunwall, Larry Xu, Panel Discussion: Getting Started and Engaging with "Nifty" Assignments, Teaching With AI: A Collaboration Workshop, Marquette University. Milwaukee, WI, 01/29/2026

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

Pietropaoilo R, Carlson C, Compton T, Direct Interaction between HCMV Glycoprotein B and Cellular Annexin II, Keystone Symposia on Molecular and Cellular Biology, Keystone, CO, 02/1996

Compton T, Carlson C, Krygiel KA, Britt WJ, Characterization of a Soluble Form of Glycoprotein B (gpUL55) of Human Cytomegalovirus, 19th International Herpesvirus Workshop, Vancouver, British Columbia, Canada, 07/30/2005 - 08/05/2005

Thesen T, Blumberg MA, Spence C, Carlson C, Cash SS, Doyle W, Kuzniecky R, Ulbert I, Devinsky O, Halgren E, The effects of task and attention on visual-tactile processing: Human intracranial data, 9th International Multisensory Research Forum, Hamburg, Germany, 07/16/2008 - 07/19/2008

National

Bollo RJ, Carlson C, Schevon C, Wisoff JH, Devinsky O, Weiner HL., Staged resection and extraoperative functional mapping in children with hemispheric tumors: surgical strategy and outcome, American Association of Neurological Surgeons, Pediatric Section, Point Clear, AL, 12/2005

Carlson C, Weiner HL, Ridgway EB, Zaroff C, Miles D, LaJoie J, Devinsky O, Multi-Staged Epilepsy Surgery in Multifocal Tuberous Sclerosis Complex, 58th Annual Meeting of the American Academy of Neurology, San Diego, CA, 04/01/2006 - 04/08/2006

Schevon C, Carlson C, Zaroff C, Weiner HL, Language Lateralization and Localization in Children Utilizing Direct Neurostimulation and the WADA, 58th Annual Meeting of the American Academy of Neurology, San Diego, CA, 04/01/2006 - 04/08/2006

Bender HA, Whitman LA, Carlson C, Morrison CM, MacAllister WS, Weinfeld J, Rodriguez-Rivera M, Vazquez B, Barr WB, The convergent validity of the intracarotid amobarbital procedure in Spanish-speaking surgical candidates, 63rd Annual Meeting of the American Academy of Neurology, Honolulu, HI, 04/09/2011 - 04/16/2011

Carlson C, DuBois J, Thompson K, Chandhoke S, Tang C, Marcuse L, Kuzniecky R, Devinsky O, Thesen T, Increased Thalamic Volume in Idiopathic Generalized Epilepsy, 63rd Annual Meeting of the American Academy of Neurology, Honolulu, HI, 04/09/2011 - 04/16/2011

Ludvig N, Tang HM, Baptiste SL, Medveczky G, French JA, Devinsky O, Carlson C, Kuzniecky RI, Periodic Neocortical Muscimol Delivery Via the Subdural Pharmacotherapy Device Provides Complete Seizure Prevention Without the Induction of Tolerance in Nonhuman Primates, 65th Annual Meeting of the American Epilepsy Society, Baltimore, MD, 12/02/2011 - 12/06/2011

COMMITTEE SERVICE:**Medical College of Wisconsin**

06/14/2014 - 01/01/2025 Graduate Medical Education Committee, MCWAH

07/01/2014 - Present Program Evaluation Committee, Adult Neurology Residency, Neurology, Medical College of Wisconsin

07/01/2014 - Present Clinical Competency Committee, Adult Neurology Residency, Neurology, Medical College of Wisconsin

10/06/2014 - 12/01/2025 Annual Institutional Review, MCWAH

07/28/2016 - 01/01/2025 Grand Rounds Planning Committee, Neurology, Medical College of Wisconsin

10/01/2018 - 06/01/2025 Mentorship Committee, Neurology, Medical College of Wisconsin

11/01/2018 - Present Education Subcommittee, Graduate Medical Education Committee, MCWAH

07/01/2022 - Present Clinical Competency Committee, Clinical Neurophysiology Fellowship, Neurology, Medical College of Wisconsin

07/01/2022 - Present Clinical Competency Committee, Epilepsy Fellowship, Neurology, Medical College of Wisconsin

07/01/2022 - Present Program Evaluation Committee, Clinical Neurophysiology Fellowship, Neurology, Medical College of Wisconsin

07/01/2022 - Present Program Evaluation Committee, Epilepsy Fellowship, Neurology, Medical College of Wisconsin

11/01/2022 - Present Program Director Retreat Subcommittee, Graduate Medical Education Committee, MCWAH

Hospital

2002 - 2004 Departmental Representative, Utilization and Review Committee, Department of Neurology, University of Iowa Hospitals and Clinics

2008 - 12/14/2012 Chair, Video-EEG Laboratory Information Technology Committee, Epilepsy Division, Department of Neurology, New York University Langone Medical Center

2008 - 12/14/2012 Co-Chair, Epilepsy Services Committee, Epilepsy Division, Department of Neurology, New York University Langone Medical Center

10/01/2013 - 07/01/2014 Clinical Operations Committee, Neurology, Froedtert Hospital

11/01/2013 - 05/01/2014 Clinical Practice Optimization, Neurology, Froedtert Hospital

01/01/2019 - 01/01/2021 Neurosciences Clinic Operations Steering Committee, Neurology, Froedtert Hospital

MCW TEACHING ACTIVITIES:

Medical Student Education

10/01/2013 Lecture: Epilepsy and Seizures
07/01/2014 - Present Medical student teaching in EMU for 1-4 hours on Thursdays when on service (1-2 weeks per month).
07/01/2014 - 06/30/2017 Weekly medical student preceptorship either in clinic supervision or during Thursday epilepsy rotation for medical students.
02/09/2017 Clinical Educator Pathway Lecture on Evaluation Methods in Graduate Medical Education (3 hours)
03/03/2017 M2 Neurology/Psychiatry Course (3 hours): Epilepsy, Anti-Epileptic Drugs, and Cases
03/27/2017 Student Interest Group Neurology: Epilepsy, EEG, Future of Technology in Neurology
11/13/2017 Video Career Discussion: Recorded session for medical students to get an introduction to the fields of Neurology and Epileptology.
11/14/2017 Student Interest Group in Neurology (2 Hours): Career information on Neurology informal discussion followed by panel discussion with additional faculty and residents.
03/02/2018 M2 Neurology/Psychiatry Course (3 hours): Epilepsy, Anti-Epileptic Drugs, and Cases
03/29/2018 Clinical Educator Pathway Lecture Dr. Ann Helms on "Designing an Education Research Project.". (2 Hours)
03/12/2019 Informal question and answer setting for M3 students interested in Neurology to prepare for the Match and M4 rotation choices.
03/19/2019 SIGN Lecture: Considering A Career in Neurology
04/08/2020 SIGN Lecture: Approaches to Treatment Resistant Epilepsy
03/16/2023 MSTP Residency Selection Panel
06/20/2023 (1.5 Hours): Residency Faculty Panel for M4s - Summer Intersession
06/25/2024 Medical Student Intercession Panel: (1.5 hours) - Residency Preparation

Resident and Fellow Education

01/14/2013 - Present Teaching on service: 1-4 hours/day on service 1-2 weeks per month
07/11/2013 Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series
07/11/2013 Lecture: EEG Montages for the Clinical Neurophysiology Didactic Lecture Series
08/22/2013 Lecture: Approach to the First Seizure for the Clinical Neurophysiology Didactic Lecture Series
10/03/2013 Lecture: Intracranial EEG and Epilepsy Surgery for the Clinical Neurophysiology Didactic Lecture Series
03/12/2014 Lecture: Quality Improvement Projects - How and Why?
06/30/2014 MCWAH Housestaff Orientation Small Group Sessions
07/09/2014 Lecture: Introduction to Patient Safety and Quality
07/25/2014 Lecture: Introduction to Patient Safety and Quality Part 2
08/01/2014 - 06/30/2015 15-part lecture series on neuroanatomy. Curriculum designed and prepared by me. All lectures delivered by me.
09/25/2014 Lecture: Approach to Research Projects
10/06/2014 Lecture: Introduction to EEG
03/15/2015 Academic Half Day (3 Hours): Effective Analysis and Presentation of Research Data
03/20/2015 Academic Half Day (3 Hours): Professionalism & Physician Burn-out and Using Microsoft Tools in Research Preparation and Presentation.
07/01/2015 - 06/30/2016 Academic Half Day: 15-part lecture series on neuroanatomy. Curriculum designed and prepared by me.
09/04/2015 Academic Half Day session (3 Hours): Patient Safety and Quality Improvement. Introduction to concepts and methods and a mock root cause analysis.
10/30/2015 Academic Half Day (1 Hour): Neurology Clinical Case Review
12/11/2015 Academic Half Day (1 Hour): Patient Safety and Quality Improvement - the PDCA cycle
02/05/2016 Academic Half Day (1 Hour): Patient safety and quality improvement project for outpatient epilepsy care.
04/08/2016 Academic Half Day (3 Hours): Epilepsy classification and epilepsy syndromes.
04/29/2016 Academic Half Day (2 Hours): Evaluation of the first seizure.

05/06/2016 Academic Half Day (3 Hours): Utilization of types of EEG and an interactive EEG skills primer.

05/20/2016 Academic Half Day (1 Hour): Neuroimaging Case Review

06/30/2016 MCWAH Housestaff Orientation Small Group Sessions

07/01/2016 - 06/30/2017 Academic Half Day: 15-part lecture series on neuroanatomy. Curriculum designed and prepared by me.

07/22/2016 Academic Half Day (2 Hours): Professionalism & Physician Burn-out

09/09/2016 Academic Half Day (3 Hours): Introduction to Scholarly Activity and Practical Tips for Research (includes spreadsheet tutorial)

09/23/2016 Academic Half Day (3 Hours): Patient Safety and Quality Improvement (Introduction and Fundamental Concepts and Methods)

03/10/2017 Academic Half Day (1.5 Hours): Concussion Biomarkers - A Journal Club and Focused Discussion of the Literature

03/24/2017 Academic Half Day (1 Hour): Practical Epilepsy Management - Case Based Discussion of Infantile Spasms

03/31/2017 Academic Half Day (2 Hour): Practical Epilepsy Management - Case Based Discussion of Focal Epilepsy and Juvenile Myoclonic Epilepsy (part 1)

04/28/2017 Academic Half Day (2 Hours): Epilepsy and EEG Case Review

06/02/2017 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/09/2017 Neurology Intern Didactic (1 Hour): Pursuing Scholarship During Residency - Practical Concepts

06/26/2017 Neurology Intern Didactic (2 Hours): Your Role as a Learner and as a Teacher in Neurology: Theoretical Concepts and Practical Pearls

06/26/2017 New Intern Didactic (2 Hours): Overview of the Department of Neurology & The Neurological Examination

06/30/2017 MCWAH Housestaff Orientation Small Group Sessions

07/01/2017 - 06/30/2018 Academic Half Day: 15-part lecture series on neuroanatomy. Curriculum designed and prepared by me.

08/11/2017 Academic Half Day (1 Hour): Case Discussion on Peripheral Neuroanatomy & The Brachial Plexus

09/08/2017 Academic Half Day (1 Hour): Root Cause Analysis

02/02/2018 Academic Half Day (3 Hours): Psychogenic Non-Epileptic Events: Overview, Pathophysiology, Counseling, and Treatment.

02/23/2018 Academic Half Day (1 Hour): Patient Safety and Quality Improvement - Value, Lean, Six Sigma, and Choosing Wisely in Neurology.

06/01/2018 Neurology Intern Didactic (2 Hours): Approaches to Scholarly and Patient Safety/Quality Improvement Projects.

06/08/2018 Academic Half Day (2 Hours): Interdisciplinary Lecture with Drs. Ann Helms, Karen Carlson, and Wendy Peltier on "The Last Visit". Focused on patient and provider needs at the end of care with terminal diagnoses.

06/22/2018 Neurology Intern Didactic (3 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

08/10/2018 Academic Half Day (1 Hour): Professionalism in Medicine

01/30/2019 Internal Medicine Lecture (45 Minutes): Seizures

06/07/2019 Neurology Intern Didactic (2 Hours): Teaching and Learning as a Resident

07/05/2019 Academic Half Day (3 Hours): Professionalism, Orientation, and Welcome

06/02/2020 Neurology Intern Didactic (2 Hours): A Review of the Neurologic Examination, Localization, and Documentation.

06/02/2020 Neurology Intern Didactic (2 Hours): Introduction to Scholarly Projects and PSQI Projects

06/05/2020 Neurology Intern Didactic (3 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

08/14/2020 Academic Half Day (1 Hour): Introduction to PSQI and Root Cause Analysis

09/18/2020 Academic Half Day (1.5 Hours): Physician Well Being and Burnout in Neurology

04/09/2021 Academic Half Day (2 Hours): Psychogenic non-epileptic events

06/01/2021 Neurology Intern Didactic (1.5 Hours): Introduction to Scholarship and PSQI Projects

06/01/2021 Neurology Intern Didactic (1.5 Hours): A Review of the Neurological Examination

07/16/2021 Academic Half Day (2 hours): Resident well-being and physician burnout.

09/02/2021 Neurophysiology Bootcamp (1.5 Hours): Case-Based Review of Neurophysiology in Clinical Practice - an Overview

09/03/2021 Academic Half Day (1.5 Hours): Do I Really Need to Know the Business of Neurology?

01/14/2022 Academic Half Day (1.5 Hours): Approach to the First Seizure

06/01/2022 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/01/2022 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/01/2022 Neurology Intern Didactic (2 Hours): Introduction to Scholarly Projects and PSQI Projects

06/01/2022 Neurology Intern Didactic (2 Hours): Scholarly and PSQI Projects. How They Fit into Your Career and Managing Expectations.

06/24/2022 Neurology Intern Didactic (2 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

07/01/2022 Academic Half Day (1 Hour): Introduction and Curriculum Overview; Goals and Objectives

08/19/2022 Academic Half Day: (2 hours) - Patient Safety and Quality Improvement Concepts - an Introduction

09/02/2022 Health Psychology Lecture (Psychology Fellows): Psychogenic Non-Epileptic Events

09/06/2022 Neurophysiology Bootcamp (2 hours): Case Based Learning in Neurophysiology

09/23/2022 Academic Half Day: Physician Wellness and Burnout

09/23/2022 Neurophysiology Bootcamp (2 hours): Epilepsy and EEG; Practical Review

03/03/2023 Academic Half Day (2 hours): Ictal EEG

03/08/2023 Medicine Academic Half Day: Epilepsy for the Non-Neurologist

03/15/2023 Maternal Fetal Medicine: Epilepsy for the Non-Neurologist

04/07/2023 Academic Half Day: Patient Safety, Quality Improvement, and the Business of Medicine. Do I Really Have to Know This? Part 1

04/28/2023 Academic Half Day: Patient Safety, Quality Improvement, and the Business of Medicine. Do I Really Have to Know This? Part 2

06/23/2023 Neurology Intern Didactic (2 Hours): Becoming a Teacher While Being a Student

08/11/2023 Academic Half Day (2 Hours): Patient Safety and Quality Improvement - an Introduction and Overview

08/16/2023 Medicine Academic Half Day: The Neurological Examination

08/18/2023 Academic Half Day (2 Hours): Do I Really Have to Think About the Business of Medicine?

08/18/2023 Academic Half Day: Statistics for Physicians

08/23/2023 Medicine Academic Half Day: Seizures

09/05/2023 Neurophysiology Bootcamp (2 hours): Intro to Bootcamp and Neurophysiologic Testing - Case Based Discussion

09/06/2023 Neurophysiology Bootcamp (2.5 hours): Case Based Learning for EEG

09/21/2023 Neurophysiology Bootcamp (3 hours): EEG Practical Review and Summary

04/05/2024 Academic Half Day: The Business of Neurology with Dr. Ekokobe Fonkem

05/23/2024 MCWAH Chief Resident Symposium: Chief Resident Role - Panel Discussion

05/24/2024 Academic Half Day: The Business of Neurology with Dr. Ekokobe Fonkem

06/07/2024 Neurology Intern Didactic (1.5 Hours): Scholarly and Patient Safety/Quality Improvement Projects

06/07/2024 Neurology Intern Didactic (1.5 Hours): The Neurological Examination - A Review

06/14/2024 Neurology Intern Didactic (2 Hours): Becoming a Teacher While Being a Student

06/28/2024 MCWAH (2 hours): Professionalism Case Based Discussions

08/21/2024 Family Medicine Residency: Epilepsy for the Non-Neurologist

09/03/2024 Neurophysiology Bootcamp (2 hours): Welcome and Overview of Clinical Neurophysiology

09/04/2024 Neurophysiology Bootcamp (2 Hours): Case Based Learning of Neurophysiology

09/18/2024 Psychology Residency: Psychogenic Non-Epileptic Events

09/20/2024 Academic Half Day: Statistics for Neurologists

09/23/2024 Neurophysiology Bootcamp (3 Hours): EEG Summary and Review

10/04/2024 Academic Half Day (2 Hours): Introduction to Patient Safety and Quality Improvement

10/09/2024 Medicine Academic Half Day: The Neurological Examination

10/30/2024 Medicine Academic Half Day: Seizures

01/24/2025 Academic Half Day (2 hours): Do we really have to worry about the business of Neurology?

09/02/2025 Neurophysiology Bootcamp: Overview of Clinical Neurophysiology

09/23/2025 Neurophysiology Bootcamp (2 hours): EEG Review and Summary - Case Review

10/22/2025 Medicine Academic Half Day: Seizures (for the Non-Neurologist)

10/22/2025 Medicine Academic Half Day: Review of the Neurological Exam

Postdoctoral Fellow Education

10/11/2023 Health Psychology Lecture (Psychology Fellows): Psychogenic Non-Epileptic Events

EXTRAMURAL TEACHING:

Medical Student Education

07/01/2006 - 12/14/2013 New York University School of Medicine, Teaching while on service: 1-4 hours/day. On service 7-11 months per year.

07/2006 - 06/2012 New York University School of Medicine, Clinical Neurosciences Medical Student Preceptorship: Bedside and Small Group Teaching 8-12 hours/week x4 weeks for each academic year

07/2013 - 12/14/2013 New York University School of Medicine, Clinical Neurosciences Medical Student Preceptorship: Bedside and Small Group Teaching 8-12 hours/week x4 weeks

Graduate Student Education

12/2010 New York University School of Medicine, Lecture: An Introduction to Intracranial EEG for the Clinical Neurophysiology Research Group Lab Meeting

Resident and Fellow Education

05/2006 New York University School of Medicine, Lecture: MEG for the Clinical Neurophysiology Didactic Lecture Series

07/01/2006 - 12/14/2013 New York University School of Medicine, Teaching while on service: 1-4 hours/day. On service 7-11 months per year.

07/2006 New York University School of Medicine, Lecture: Nerve Conduction Studies and Electromyography for the Neurology Resident Lecture Series

10/2006 New York University School of Medicine, Lecture: Cortical Mapping without Direct Cortical Stimulation for the Epilepsy Journal Club and Case Conference

11/2006 New York University School of Medicine, Lecture: Multi-Staged Epilepsy Surgery in Multifocal Tuberous Sclerosis Complex for the Epilepsy Journal Club and Case Conference

07/2007 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

10/2007 New York University School of Medicine, Lecture: To MEG or not to MEG? for the Epilepsy Journal Club and Case Conference

10/2007 New York University School of Medicine, Lecture: Proper documentation for epilepsy patients utilizing the integrated clinical information system (ICIS) for the Neurology Residents and Fellows

10/2007 New York University School of Medicine, Lecture: An Introduction to Magnetoencephalography for the Clinical Neurophysiology Didactic Lecture Series

01/2008 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series

02/2008 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series

10/2008 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

11/2008 New York University School of Medicine, Lecture: An Introduction to Magnetoencephalography for the Clinical Neurophysiology Didactic Lecture Series

01/2009 - 08/01/2011 New York University School of Medicine, Monthly Recurring Lecture: Neocortical Working Group Research Update

02/2009 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series

03/2009 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series

07/2009 New York University School of Medicine, Lecture: Neocortical Working Group Update for the Epilepsy Center Research Retreat

07/2009 New York University School of Medicine, Lecture: Corpus Callosotomy and Bilateral Intracranial EEG Monitoring for the Epilepsy Journal Club and Case Conference

08/2009 New York University School of Medicine, Lecture: Electrode Montages and Localization for the

Clinical Neurophysiology Didactic Lecture Series

08/2009 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

10/2009 New York University School of Medicine, Lecture: Epilepsy and the Evaluation of Operative Candidates for the Neurology Resident Lecture Series

12/2009 New York University School of Medicine, Lecture: Idiopathic Generalized Epilepsy for the Epilepsy Journal Club and Case Conference

02/2010 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series

05/2010 New York University School of Medicine, Lecture: Research Update: Neocortical Working Group for the Epilepsy Journal Club and Case Conference

08/2010 New York University School of Medicine, Lecture: Electrode Montages and Localization for the Clinical Neurophysiology Didactic Lecture Series

10/2010 New York University School of Medicine, Lecture: Idiopathic Generalized Epilepsy: An Update on Neuroimaging Findings in IGE for the Epilepsy Journal Club and Case Conference

12/2010 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

08/01/2011 - 12/14/2013 New York University School of Medicine, Monthly Recurring Lecture: Classification Working Group Research Update

08/2011 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

01/2012 New York University School of Medicine, Lecture: Classification Working Group Update: ESGS, ACES, eNUMB, TCS, SB -- What these letter means for you for the Epilepsy Journal Club and Case Conference

02/2012 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series

02/2012 New York University School of Medicine, Lecture: EEG Montages for the Clinical Neurophysiology Didactic Lecture Series

03/2012 New York University School of Medicine, Lecture: Epilepsy Surgery for the Clinical Neurophysiology Didactic Lecture Series

05/2012 New York University School of Medicine, Lecture: Predictive Factors in Epilepsy Surgery: A Systematic Literature Review for the Epilepsy Journal Club and Case Conference

08/2012 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

Postdoctoral Fellow Education

09/2007 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

12/2008 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

12/2009 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

10/2010 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

09/2011 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

01/2012 New York University School of Medicine, Lecture: The Neurological Examination for the Neuropsychology Lecture Series

10/2012 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

Continuing Medical Education

07/2009 New York University School of Medicine, Lecture: Intracranial EEG an Introduction to Basic Principles for the EEG Technician Training Session

02/2010 New York University School of Medicine, Lecture: Intracranial EEG and Electrode Montages for the EEG Technician Training Session

10/2010 New York University School of Medicine, Lecture: Intracranial EEG and Electrode Montages 2

for the EEG Technician Training Session

11/2010 New York University School of Medicine, Lecture: Introduction to the Epilepsy Monitoring Service for the Tisch Neurosciences Nursing Unit

11/2011 New York University School of Medicine, Lecture: EEG Montages for the EEG Technician Training Session

02/2012 New York University School of Medicine, Lecture: Documentation in the Medical Record and on the EEG: A Technician Primer for the EEG Technician Training Session

07/2012 New York University School of Medicine, Lecture: Utility of Pulse Oximetry in the Epilepsy Monitoring Unit for the EEG Technician Training Session

08/2012 New York University School of Medicine, Lecture: Epilepsy 101: Basic Principles of Epilepsy for EEG Technicians for the EEG Technician Training Session

10/2012 New York University School of Medicine, Lecture: Epilepsy 101: Basic Principles of Epilepsy for EEG Technicians Part 2 for the EEG Technician Training Session

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

12/01/2014 - 06/30/2017 Sarah Carpenter, Pathways Advisor: Quality Improvement and Patient Safety, Medical College of Wisconsin, Completed her collaborative project with Dr. Chelimsky on a project improving patient education in autonomic dysfunction

11/20/2015 - 06/30/2017 Christopher Koo, Career Advising and Neurology Shadowing, Medical College of Wisconsin, Matched in Anesthesiology to Beth Israel Deaconess Medical Center

03/01/2017 - 06/30/2018 Anthony Declusin, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to the University of Colorado

03/01/2017 - 06/30/2018 Patrick Budny, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Diagnostic Radiology to MCW

06/29/2017 - 06/30/2018 Arjun Athreya, Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to Emory University

01/01/2018 - 06/30/2019 Jessica Yi, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to Thomas Jefferson University

07/01/2018 - 06/30/2019 Lindsey Krawchuk, Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to the University of North Carolina

08/26/2018 - 06/30/2022 Britta Bureau, Career and Residency Guidance, Medical College of Wisconsin, Matched to Medical College of Wisconsin Neurology

03/01/2019 - 06/30/2020 Tegan Ake, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to the University of Utah

03/01/2019 - 06/30/2020 Michael Mendoza, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to MCW

09/2019 - 12/2020 Sophia Musacchio, Clinical Apprenticeship, Medical College of Wisconsin, Successful participation in the Clinical Apprenticeship Program

11/25/2019 - 06/30/2022 Alexandra Roman, Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology at the University of Miami

11/25/2019 - 05/01/2023 Monica Gobrial, Pathway Advisor: Clinical and Translational Research, Medical College of Wisconsin, Successfully developed and implemented pathways research project and learning experience. Continued in Pathways as M3 to complete her project

02/01/2020 - 06/30/2021 John LeClaire, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at Vanderbilt

08/2020 - 12/2020 Kia Lechleitner, Clinical Apprenticeship, Medical College of Wisconsin, Successful participation in the Clinical Apprenticeship Program

01/01/2021 - 06/30/2021 Brandon Calley, Clinical Apprenticeship, Medical College of Wisconsin, Successful participation in the Clinical Apprenticeship Program

06/19/2021 - 02/21/2023 Carly O'Donnell, Research Mentor, Medical College of Wisconsin, In collaboration with Dr. Anderson and the epilepsy and neuropsychology teams, published manuscript in Brain Sciences on responsive neurostimulation

07/12/2021 - 05/01/2023 Nabil Attlassy, Education Research Mentor, Medical College of Wisconsin, Successful publication of manuscript in Cureus: No Geographic Distribution Change Among Residency Applicants in the Neurology Match During COVID-19

07/12/2021 - 05/01/2023 Paul Beinhoff, Education Research Mentor, Medical College of Wisconsin, Successful publication of manuscript in Cureus: No Geographic Distribution Change Among Residency Applicants in the Neurology Match During COVID-19

08/15/2021 - 12/15/2021 Ragasnehit Maddula, Clinical Apprenticeship, Medical College of Wisconsin, Successful participation in the Clinical Apprenticeship Program

12/01/2021 - 05/01/2023 Jesse Maguire, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched in Neurology to the University of Texas - Southwestern

12/01/2021 - 05/01/2024 Nihal Voruganti, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Brown for Neurology

12/01/2021 - 03/01/2022 Sophia Mussachio, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Internal Medicine at Dartmouth

06/30/2022 - 09/01/2023 Andrew DeGroot, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin

07/17/2022 - 06/30/2023 Delaney Cairns, Neurology Career Interest: Counseling and guidance on how to decide whether to pursue a career in Neurology, Medical College of Wisconsin

10/17/2022 - 05/01/2024 Alexis Puyleart, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at Beth Israel Deaconess

11/10/2022 - 05/01/2024 Tessa Miller, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at MCW

11/10/2022 - 05/01/2024 Tarini Mitra, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at Northwestern University

12/12/2022 - 09/01/2023 Carly O'Donnell, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Plastic Surgery (Integrated) at Virginia Commonwealth University

01/01/2023 - Present C. Ryan Hahn, Clinical Apprenticeship, Medical College of Wisconsin, Successful completion of Clinical Apprenticeship

01/12/2023 - 05/01/2024 Joyce Lee, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at UCLA

01/20/2023 - 05/01/2024 Athena Dong, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Matched to Neurology at the University of Southern California

11/01/2023 - 06/30/2025 Rasika Ramanathan, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Successful Match to MCW Neurology

11/30/2023 - 06/30/2025 Kaylynn Carew, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Successful Match to MCW Neurology

01/15/2024 - 04/15/2025 Devon Riegel, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin, Successful Match to Cornell University for Neurology

01/15/2024 - 04/15/2025 Jakob Alden, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin

Clinical/Research Fellows

07/01/2014 - 06/30/2015 Natalia Dorland, MD, Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Medical College of Wisconsin, Presented at the American Epilepsy Society

2014 - 07/01/2022 All Clinical Neurophysiology and Epilepsy fellows meet directly with me for career development as a result I mentor all fellows continually in this role., Career Development; Project Oversight. Program Director, Medical College of Wisconsin

07/01/2015 - 06/30/2017 Janki Lavingia, Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Medical College of Wisconsin, Presented at the American Epilepsy Society

07/01/2016 - 06/30/2017 Aditya Vuppala, MD, Research Mentor with Drs. Raghavan and Anderson: Analyzing the value of MEG in patients with non-lesional MRI, Medical College of Wisconsin, Presented at the American Epilepsy Society

07/01/2017 - 06/30/2019 Patrick Bauer, MD, Research Mentor and Career Development: Develop an independent research project in preparation for submitting a training grant proposal (i.e. K-award), Medical College of Wisconsin, Transition to faculty role at MCW and identification of internal and external advisors for the project

Residents

07/01/2013 - 06/30/2015 Janki Lavingia, MD, Quality Improvement Mentor with Dr. Book:
Standardization and improvement of the Neurology hand-off, Medical College of Wisconsin, Adopted as the standardized hand-off procedure

12/01/2013 - 06/30/2015 Pedro Oliveira, MD, Quality Improvement Mentor: Improved Access for post-ER visit epilepsy patients, Medical College of Wisconsin, Implemented plan into practice

06/15/2014 - 01/01/2025 All Neurology residents work directly with me for career development, in particular the Chief Residents, as such I mentor all residents continually in this role., Career Development; Project Oversight. Program Director, Medical College of Wisconsin

07/01/2014 - 06/30/2016 Aditya Vuppala, MD, Research Mentor with Drs. Raghavan and Anderson: Analyzing the value of MEG in patients with non-lesional MRI, Medical College of Wisconsin, Presented at the American Epilepsy Society

07/01/2014 - 06/30/2015 Janki Lavingia, MD, Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Medical College of Wisconsin, Presented at the American Epilepsy Society

07/01/2016 - 06/30/2018 Mohammad Kabir, MD, Research/Education Mentor: Develop an electronic teaching resource for anti-epileptic drug utilization and pharmacology., Medical College of Wisconsin, Completed teaching materials and implementation into an electronic teaching resource

07/01/2017 - 06/30/2018 Mohammad Kabir, MD, Quality Improvement/Education Mentor: Improve counseling and long-term care for patients with psychogenic non-epileptic events diagnosed outside of the epilepsy monitoring unit, Medical College of Wisconsin, New protocol established with the Epilepsy Coordinator, classroom teaching developed and delivered February 2018

07/01/2017 - 06/30/2018 Brandon Strawn, DO, Research/Education Mentor: Develop a curriculum element for EMG/NCV testing for deploying as part of the electronic curriculum development process., Medical College of Wisconsin, Completed lecture materials

07/01/2018 - 06/30/2021 Ruchi Dhyan, MD, Career Mentor: Epilepsy, Medical College of Wisconsin, Epilepsy Fellowship Match - UPMC

07/01/2018 - 06/30/2021 Ahmad Sawalha, MD, Career Mentor: Epilepsy, Medical College of Wisconsin, Epilepsy Fellowship Match - Mayo

07/01/2018 - 06/30/2020 Sam Hooshmand, DO, Career Mentor: Neuroimmunology, Medical College of Wisconsin, Completing fellowship in Neuroimmunology at MCW and joining the faculty at MCW

07/01/2018 - 06/30/2021 Vishal Pandya, MD, Career Mentor: Epilepsy, Medical College of Wisconsin, Epilepsy Fellowship Match - Johns Hopkins

07/01/2019 - 09/15/2022 Vishal Pandya, MD, Research Mentor: Anti-seizure medication usage prior to surgical evaluation., Medical College of Wisconsin, Successful presentation of an abstract at the American Epilepsy Society and publication in Epilepsy and Behavior Reports.

07/01/2019 - 06/30/2022 Darren DuGas, MD, Career Mentor: Epilepsy, Medical College of Wisconsin, Epilepsy Fellowship Match - Yale

03/01/2021 - 07/01/2021 Vishal Pandya, MD, Research Mentor: Review article on implantable devices for treatment resistant focal epilepsy, Medical College of Wisconsin, Published in Practical Neurology 2021

01/11/2022 - 06/30/2024 Hatem Tolba, Research Mentor: hematologic side effects of anti-seizure medications, Medical College of Wisconsin, Competitive fellowship in vascular and interventional Neurology

02/01/2023 - 06/30/2025 Chehan Herath, Research Mentor: hematologic side effects of anti-seizure medications, Medical College of Wisconsin, Presented at Neurology Grand Rounds

Faculty

07/01/2016 - 10/13/2024 Fallon Schloemer, DO, Career Development, Medical College of Wisconsin, Promotion to Associate Professor effective July 2021

07/01/2019 - 11/21/2021 Serena Thompson, MD, PhD, Career Development and Research Mentor, Medical College of Wisconsin, Mentored on research project development. Relocated to Minnesota.

11/01/2022 - 08/05/2023 Fernando Santos-Pinheiro, Career Development as Neurologic Educator. Promoted to Associate Professor., Medical College of Wisconsin

EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS MENTORED:

Undergraduate Students

2006 - 2009 Jeff Stout, Direct Supervisor and Research Mentor: Magnetoencephalography, New York University School of Medicine, Went on to receive a doctoral degree and is currently at the National Institutes of Health

2007 - 2010 Amy Trongnetrpunya, Direct Supervisor and Research Mentor: Magnetoencephalography, New York University School of Medicine, Went on to complete doctoral work and currently works in industry

2009 - 2011 Jonathan DuBois, Direct Supervisor and Research Mentor with Dr. Thesen: Quantitative analysis of MRI in epilepsy and comorbid conditions, New York University School of Medicine, Successful publication of work. Went on to graduate school

2009 - 2012 Thomas Belcher, Direct Supervisor and Research Mentor with Dr. Thesen: Intracranial EEG and cortical mapping correlations, New York University School of Medicine

2011 - 2012 Andrew Tarr, Quality Improvement with Dr. Gazzola: Epilepsy monitoring unit utilization and the time to capture the typical events, New York University School of Medicine

Medical Students

2008 - 2010 Joanna Koutros, MD, Direct Supervisor and Research Mentor with Dr. Thesen: Analysis of multisensory data utilizing non-invasive neuroimaging (MEG and fMRI), New York University School of Medicine

2011 - 2012 Judith Katz, Direct Supervisor and Research Mentor with Drs. Dugan and French: Project to characterize and classify neocortical epilepsy, New York University School of Medicine

2011 - 2013 Tracy Ma, Direct Supervisor and Research Mentor with Drs. Kuzniecky and Weiner: Project analyzing cortical and perituberal cortical hyperexcitability in tuberous sclerosis complex, New York University School of Medicine

03/09/2018 - 06/30/2021 Chehan Herath, Career and Residency Guidance, Medical College of Wisconsin - Green Bay, Matched in Neurology to MCW

01/19/2023 - 06/30/2024 Lauren Beranek, Clinical Advisor; Career and Residency Guidance, Medical College of Wisconsin - Central Wisconsin

Graduate Students

PhD Committees

09/2010 - 03/29/2012 Alyson Silverberg, RN, MSN, ANP-BC, CNRN, DNP Capstone: Implementation of an Evidence-Based Protocol to Minimize Wound Infections in Neurosurgical Patients Undergoing Intracranial Monitoring, New York University College of Nursing

PhD Students Advised

09/2010 - 03/29/2012 Alyson Silverberg, RN, MSN, ANP-BC, CNRN, DNP Capstone: Implementation of an Evidence-Based Protocol to Minimize Wound Infections in Neurosurgical Patients Undergoing Intracranial Monitoring, New York University School of Nursing

2011 - 03/29/2012 Mary Miceli, ACNP-BC, MA, CNRN, DNP Capstone: Seizure Identification and Documentation Education Program, New York University College of Nursing

Clinical/Research Fellows

2008 - 2010 Patricia Dugan, MD, Research Mentor with Dr. French: Epilepsy Surgery Grading Project, New York University School of Medicine, Presented at the American Epilepsy Society; published manuscript

2010 - 2012 Maria Stefanidou, MD, Research Mentor with Dr. Friedman: Heart rate changes and their correlations with intracranial seizure localization, New York University School of Medicine, Presented at the American Epilepsy Society; published manuscript

Residents

2008 - 2010 Marjorie Bunch, MD, Research Mentor with Dr. French: Systematic review of the literature on predictive factors for epilepsy surgery, New York University School of Medicine, Presented at the American Epilepsy Society; published manuscript

2011 - 2013 Jennifer Werely, MD, Research Mentor with Drs. Gazzola and French: Analyzing factors impacting normal neuroimaging in epilepsy, New York University School of Medicine, Presented at the American Epilepsy Society

2011 - 2013 Thomas Berk, MD, Research Mentor with Dr. French: Analyzing the features of generalized

tonic-clonic convulsions, New York University School of Medicine, Presented at the American Epilepsy Society
05/01/2012 - 05/01/2016 Sujata Thawani, MD, Quality Improvement Mentor with Dr. Gazzola: Epilepsy monitoring unit utilization and the time to capture the typical events, New York University, Presented at the American Epilepsy Society; published manuscript

Faculty

2008 - 2011 Alyson Silverberg, RN, MSN, ANP-BC, CNRN, Research Mentor: Utility of invasive electrodes immediately following corpus callosotomy, New York University School of Medicine, Published manuscript
03/29/2012 - 07/01/2016 Alyson Silverberg, DNP, RN, MSN, ANP-BC, CNRN, Research Mentor: Analyzing the value of bilateral intracranial EEG studies, New York University School of Medicine, Published manuscript
03/29/2013 - 07/01/2016 Mary Miceli, DNP, ACNP-BC, MA, CNRN, Research Mentor: analyzing the value of bilateral intracranial EEG studies, New York University School of Medicine, Published manuscript

Clinical Staff

07/01/2017 - 12/30/2019 Linda Allen, RN, Research Project Mentorship, Froedtert Hospital, The quality improvement project on psychogenic non-epileptic events was presented at the American Epilepsy Society meeting December 2018.

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Fellow

07/01/2013 - 06/30/2014 Reviewed and restructured Clinical Neurophysiology Fellowship curriculum.
06/01/2015 - 07/15/2015 Redesigned all evaluations for Clinical Neurophysiology Fellows along the concept of Entrustable Professional Activities and mapped these to corresponding Milestones.
06/01/2015 - 07/15/2015 Restructured fellow evaluations of faculty and rotations as well as 360 evaluations to improve usability and quality of data based upon published studies on evaluations.
02/01/2016 - 06/30/2017 Developed a formal Epilepsy Fellowship program recognized and approved by MCWAH compliant with ACGME regulations; fully accredited by the ACGME.
02/01/2022 - 05/01/2023 Transition leadership of Clinical Neurophysiology and Epilepsy fellowships. Prepare for and make the transition to the Match for Epilepsy and CNP.

Resident

05/01/2014 - 07/01/2014 Developed and implemented a system (GMETs) for managing the activities of the residents in the Neurology Program and fellows in Clinical Neurophysiology and Epilepsy for the Department of Neurology.
06/01/2014 - 07/01/2014 Developed a structured sub-curriculum in Neuroanatomy for residents.
06/15/2014 - 08/01/2014 Collaborated with Wes Rood and Dr. Jennifer Connely on the implementation and launch of the Medical Education Evaluation System for monitoring milestone-based evaluations for ACGME programs.
06/15/2014 - 09/01/2015 Worked with Dr. Diane Book to develop and implement a structured curriculum in Patient Safety Quality Improvement to complement resident projects and general fund of knowledge.
07/01/2014 - 07/01/2015 Developed a new, comprehensive Neurology Resident lecture curriculum with lectures mapped to appropriate reading to encourage independent study. Curriculum implemented 7/1/2015.
07/01/2014 - 07/01/2015 Adapted the newly redesigned Neuroanatomy Curriculum and Neurology Resident Curriculum to the 3-hour Academic Half Day model. Lectures were restructured when needed and topics added.
07/02/2014 - 04/01/2015 Developed a transition to an Academic Half Day curriculum implemented (with weekly 3 hour sessions) fully July 1, 2015.
06/01/2015 - 07/15/2015 Restructured resident evaluations of faculty and rotations as well as 360 evaluations to improve usability and quality of data based upon published studies on evaluations.
11/01/2015 - 01/01/2016 Reviewed policies and procedures for residents and fellows and led the efforts

to revise, update and unify all policies to improve oversight, understanding, and equity amongst trainees.

01/01/2016 Implemented a new, innovative evaluation strategy for residents utilizing Entrustable Professional Activities.

07/01/2016 - 06/30/2017 Developed a boot camp integrated in the Neurology clinic rotation to provide "ride along" night float experiences and didactic teaching to facilitate the transition to PGY2 Neurology residents.

07/01/2016 - 07/01/2017 Requested and received approval for a complement increase for the Adult Neurology residency from 20 to 22 residents on 10/21/2016. Recruitment for an additional intern began 2016-2017.

07/01/2018 - 09/30/2019 Developed a Neurophysiology Bootcamp rotation for Neurology Residents, Clinical Neurophysiology Fellows, and Epilepsy Fellows.

12/01/2020 - 04/01/2021 Revised the Neurology evaluations to align with the Milestones 2.0 for Neurology which will be implemented July 2021.

01/01/2022 - 07/01/2024 Developed 5+1 schedule for Adult Neurology Residency to enhance the learning opportunities for all residents.

03/01/2023 - 10/01/2023 Transitioned Adult Neurology Residency program to Thalamus platform for review of applications and interview including restructure of scoring and rating algorithms.

Research Programs

2006 - 2015 For the NYU School of Medicine a clinical and research reporting and registry system was developed and maintained for work involving electrophysiology, neuroimaging, and classification

2006 - 12/14/2012 For the NYU School of Medicine, worked with Dr. Thomas Thesen with the support of Drs. Devinsky and Kuzniecky to establish the neuroimaging research group with 17 publications during my time there.

2006 - 12/14/2012 For the NYU School of Medicine, worked with Dr. Thomas Thesen, with the support of Drs. Devinsky and Kuzniecky, to build the intracranial research collaboration across labs and institutions

08/01/2018 - 05/01/2023 Collaborated with Neurology Program Directors around the United States to develop a multi-center study of active learning methods in Neurology Graduate Medical Education.

Clinical Programs

2006 - 12/14/2012 For the NYU Langone Medical Center provided physician leadership for the upgrade of the 26 fixed and 16 mobile video-EEG systems and provided day-to-day monitoring of operations.

2006 For the NYU Langone Medical Center, organized all services of the epilepsy surgery (special procedures) service across providers and took over day-to-day clinical and administrative

01/15/2012 - Present Continue to build and recruit to the Epilepsy program with Dr. Manoj Raghavan. Have gone from 3 to 6 faculty.

12/01/2013 - 06/01/2014 Worked with multidisciplinary team to streamline the Epilepsy triage process for new referrals to align better with the departmental and institutional process goals.

01/01/2015 - 07/01/2015 Identified a candidate and worked with Tammy Bamlett, Dr. Manoj Raghavan, and Dr. Chris Anderson to transition technical leadership in the MEG to improve clinical and academic output.

COMMUNITY SERVICE ACTIVITIES:

05/22/2013 Froedtert & The Medical College of Wisconsin Community Education: Epilepsy 101. Milwaukee, WI

10/22/2014 Froedtert Epilepsy Support Group: Women's Issues in Epilepsy. Milwaukee, WI

06/28/2017 Froedtert Epilepsy Support Group. Epilepsy Q&A Session. Milwaukee, WI

05/22/2019 Froedtert Epilepsy Support Group. Epilepsy Q&A. Milwaukee, WI

01/28/2021 Epilepsy Foundation Wisconsin. Lecture and Q&A Session. "Breakdown of Seizure Types"

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Refereed Journal Publications/Original Papers

1. **Carlson C**, Britt WJ, Compton T. Expression, purification, and characterization of a soluble form of human cytomegalovirus glycoprotein B. *Virology*. 1997 Dec 08;239(1):198-205.
2. **Carlson C**, St Louis EK. Vacuum cleaner epilepsy. *Neurology*. 2004 Jul 13;63(1):190-1.
3. Weiner HL, **Carlson C**, Ridgway EB, Zaroff CM, Miles D, LaJoie J, Devinsky O. Epilepsy surgery in young children with tuberous sclerosis: results of a novel approach. *Pediatrics*. 2006 May;117(5):1494-502.
4. Zaroff CM, Barr WB, **Carlson C**, LaJoie J, Madhavan D, Miles DK, Nass R, Devinsky O. Mental retardation and relation to seizure and tuber burden in tuberous sclerosis complex. *Seizure*. 2006 Oct;15(7):558-62.
5. Schevon CA, **Carlson C**, Zaroff CM, Weiner HJ, Doyle WK, Miles D, LaJoie J, Kuzniecky R, Pacia S, Vazquez B, Luciano D, Najjar S, Devinsky O. Pediatric language mapping: sensitivity of neurostimulation and Wada testing in epilepsy surgery. *Epilepsia*. 2007 Mar;48(3):539-45.
6. Madhavan D, Weiner HL, **Carlson C**, Devinsky O, Kuzniecky R. Local epileptogenic networks in tuberous sclerosis complex: a case review. *Epilepsy Behav*. 2007 Aug;11(1):140-6.
7. Madhavan D, Mirowski P, Ludvig N, **Carlson C**, Doyle W, Devinsky O, Kuzniecky R. Effects of subdural application of lidocaine in patients with focal epilepsy. *Epilepsy Res*. 2008 Feb;78(2-3):235-9.
8. Alper K, Kuzniecky R, **Carlson C**, Barr WB, Vorkas CK, Patel JG, Carrelli AL, Starner K, Flom PL, Devinsky O. Postictal psychosis in partial epilepsy: a case-control study. *Ann Neurol*. 2008 May;63(5):602-10.
9. Bollo RJ, Kalhorn SP, **Carlson C**, Haegeli V, Devinsky O, Weiner HL. Epilepsy surgery and tuberous sclerosis complex: special considerations. *Neurosurg Focus*. 2008 Sep;25(3):E13.
10. **Carlson C**, Arnedo V, Cahill M, Devinsky O. Detecting nocturnal convulsions: efficacy of the MP5 monitor. *Seizure*. 2009 Apr;18(3):225-7.
11. Macallister WS, Nakhutina L, Bender HA, Karantzoulis S, **Carlson C**. Assessing effort during neuropsychological evaluation with the TOMM in children and adolescents with epilepsy. *Child Neuropsychol*. 2009 Nov;15(6):521-31.
12. Keller CJ, Cash SS, Narayanan S, Wang C, Kuzniecky R, **Carlson C**, Devinsky O, Thesen T, Doyle W, Sassaroli A, Boas DA, Ulbert I, Halgren E. Intracranial microprobe for evaluating neuro-hemodynamic coupling in unanesthetized human neocortex. *J Neurosci Methods*. 2009 May 15;179(2):208-18. PMCID: PMC2680793
13. Bollo RJ, **Carlson C**, Schevon C, Wisoff JH, Devinsky O, Weiner HL. Extraoperative functional mapping and staged resection of supratentorial tumors near eloquent cortex in children. *Pediatr Neurosurg*. 2009;45(3):175-80.
14. McDonald CR, Thesen T, Hagler DJ Jr, **Carlson C**, Devinsky O, Kuzniecky R, Barr W, Gharapetian L, Trongnetrunya A, Dale AM, Halgren E. Distributed source modeling of language with magnetoencephalography: application to patients with intractable epilepsy. *Epilepsia*. 2009 Oct;50(10):2256-66. PMCID: PMC2760088
15. Elliott RE, **Carlson C**, Kalhorn SP, Moshel YA, Weiner HL, Devinsky O, Doyle WK. Refractory epilepsy in tuberous sclerosis: vagus nerve stimulation with or without subsequent resective surgery. *Epilepsy Behav*. 2009 Nov;16(3):454-60.
16. Keller CJ, Truccolo W, Gale JT, Eskandar E, Thesen T, **Carlson C**, Devinsky O, Kuzniecky R, Doyle WK, Madsen JR, Schomer DL, Mehta AD, Brown EN, Hochberg LR, Ulbert I, Halgren E, Cash SS. Heterogeneous neuronal firing patterns during interictal epileptiform discharges in the human cortex. *Brain*. 2010 Jun;133(Pt 6):1668-81. PMCID: PMC2877906
17. Blackmon K, Barr WB, Kuzniecky R, Dubois J, **Carlson C**, Quinn BT, Blumberg M, Halgren E, Hagler DJ, Mikhly M, Devinsky O, McDonald CR, Dale AM, Thesen T. Phonetically irregular word pronunciation and cortical thickness in the adult brain. *Neuroimage*. 2010 Jul 15;51(4):1453-8. PMCID: PMC2873116
18. Moshel YA, Elliott R, Teutonico F, Sellin J, **Carlson C**, Devinsky O, Weiner HL. Do tubers contain function? Resection of epileptogenic foci in perirolandic cortex in children with tuberous sclerosis complex. *Epilepsia*. 2010 Jul;51(7):1242-51.
19. Silverberg A, Parker-Menzer K, Devinsky O, Doyle W, **Carlson C**. Bilateral intracranial electroencephalographic monitoring immediately following corpus callosotomy. *Epilepsia*. 2010 Oct;51(10):2203-6.
20. McDonald CR, Thesen T, **Carlson C**, Blumberg M, Girard HM, Trongnetrunya A, Sherfey JS, Devinsky O, Kuzniecky R, Doyle WK, Cash SS, Leonard MK, Hagler DJ Jr, Dale AM, Halgren E. Multimodal

imaging of repetition priming: Using fMRI, MEG, and intracranial EEG to reveal spatiotemporal profiles of word processing. *Neuroimage*. 2010 Nov 01;53(2):707-17. PMCID: PMC2930128

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23. Elliott RE, Morsi A, Tanweer O, Grobelny B, Geller E, **Carlson C**, Devinsky O, Doyle WK. Efficacy of vagus nerve stimulation over time: review of 65 consecutive patients with treatment-resistant epilepsy treated with VNS > 10 years. *Epilepsy Behav*. 2011 Mar;20(3):478-83.

24. Thesen T, Quinn BT, **Carlson C**, Devinsky O, DuBois J, McDonald CR, French J, Leventer R, Felsovalyi O, Wang X, Halgren E, Kuzniecky R. Detection of epileptogenic cortical malformations with surface-based MRI morphometry. *PLoS One*. 2011 Feb 04;6(2):e16430. PMCID: PMC3033882

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31. Elliott RE, Morsi A, Geller EB, **Carlson CC**, Devinsky O, Doyle WK. Impact of failed intracranial epilepsy surgery on the effectiveness of subsequent vagus nerve stimulation. *Neurosurgery*. 2011 Dec;69(6):1210-7.

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O, French JA, **Carlson C**, Kuzniecky RI. Long-term behavioral, electrophysiological, and neurochemical monitoring of the safety of an experimental antiepileptic implant, the muscimol-delivering Subdural Pharmacotherapy Device in monkeys. *J Neurosurg*. 2012 Jul;117(1):162-75.

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2010.

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42. **Carlson C**, Dugan P, French J. Progression to Epilepsy Surgery Following Pre-Surgical Evaluation. Presented at the 65th Annual Meeting of the American Epilepsy Society; 2011 December 2-6; Baltimore, MD; 2011.
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44. Whitman L, Bender H, MacAllister W, Barr W, Morrison C, Weinfeld J, Farrell E, Miles D, LaJoie J, **Carlson C**. Rates and Predictors of Successful Intracarotid Amobarbital Testing in Preadolescent Children. Presented at the 39th Annual Meeting of the International Neuropsychological Society; 2011 February 2-5; Boston, MA; 2011.
45. Bender HA, Whitman LA, **Carlson C**, Morrison CM, MacAllister WS, Weinfeld J, Rodriguez-Rivera M, Vazquez B, Barr WB. The convergent validity of the intracarotid amobarbital procedure in Spanish-speaking surgical candidates. Presented at the 39th Annual Meeting of the International Neuropsychological Society; 2011 February 2-5; Boston, MA; 2011.
46. Pogash D, Blackmon K, Barr WB, **Carlson C**, DuBois J, Devinsky O, Kuzniecky R, Halgren E, Thesen T. Cortical and Subcortical Structural Correlates of Subclinical Anxiety Symptoms. Presented at the 39th Annual Meeting of the International Neuropsychological Society; 2011 February 2-5; Boston, MA; 2011.
47. Cogan GB, Thesen T, **Carlson C**, Doyle WK, Devinsky O, Pesaran B. Speech sensory-motor transformations occur bilaterally in the dorsal stream. Presented at the 2011 Annual Meeting of the Society for Neuroscience; 2011 November 12-16; Washington, DC; 2011.
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50. Butler T, Zaborszky L, Talos DM, Dilsiz P, Wang X, McDonald CR, Blackmon K, DuBois J, **Carlson C**, Barr WB, French J, Kuzniecky R, Halgren E, Devinsky O, Thesen T. MRI and Immunohistochemical Evidence of Seto-Hippocampal Cholinergic System Augmentation in Human Temporal Lobe Epilepsy. Presented at the 66th Annual Meeting of the American Epilepsy Society; 2012 November 30 - December 4; San Diego, CA; 2012.
51. Stefanidou M, **Carlson C**, Friedman D. The Relationship Between Seizure Onset Zone and Ictal Tachycardia: An Intracranial EEG Study. Presented at the 66th Annual Meeting of the American Epilepsy Society; 2012 November 30 - December 4; San Diego, CA; 2012.
52. Salah A, Dilsiz P, Frecska-Horvath V, Ruppe V, Shoshkes Reiss C, **Carlson C**, Doyle W, Devinsky O, Talos DM. Altered NMDA and AMPA Receptor Subunit Expression in Cortical Tissue from Autism Spectrum Disorders and Treatment-Resistant Temporal Lobe Epilepsy. Presented at the 66th Annual Meeting of the American Epilepsy Society; 2012 November 30 - December 4; San Diego, CA; 2012.
53. **Carlson C**, Berk T, French J, Kuzniecky R, Dugan P, Gazzola DM, Friedman D. Semiologic Stratification of Generalized Tonic Clonic Seizures and Post-Ictal Electrographic Findings. Presented at the 66th Annual Meeting of the American Epilepsy Society; 2012 November 30 - December 4; San Diego, CA; 2012.
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55. Ruppe V, Dilsiz P, Shoshkes Reiss C, **Carlson C**, Zagzag D, Devinsky O, Weiner HL, Talos DM.

Developmental Abnormalities in Epileptogenic Tuberous Sclerosis Complex Lesions: A Comparison Analysis of Cortical Tubers and Peri-Tuberal Brain. Presented at the 66th Annual Meeting of the American Epilepsy Society; 2012 November 30 - December 4; San Diego, CA; 2012.

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57. Cogan GB, Thesen T, **Carlson C**, Doyle WK, Devinsky O, Pesaran B. Sensory-motor classifications of speech: Selectivity at the interface between speech perception and production. Presented at the Society for Neuroscience 2012; 2012 October 13-17; New Orleans, LA; 2012.

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59. Dugan P, French J, **Carlson C**. Surgical Grading Scale in the Evaluation of Patients with Treatment Resistant Epilepsy. Presented at the 65th Annual Meeting of the American Academy of Neurology; 2013 March 16-23; San Diego, CA; 2013

60. Gazzola DM, Thawani S, Agbe-Davies O, Sabharwal P, Berk T, **Carlson C**. Factors Impacting Epilepsy Monitoring Unit Length of Stay. Presented at the 67th Annual Meeting of the American Epilepsy Society; 2013 December 6-10; Washington DC; 2013

61. Thawani S, **Carlson C**, Agbe-Davies O, Sabharwal P, Berk T, Gazzola DM. Time to Target Event: Pre-Surgical versus Non-Surgical Admissions and Impact on Epilepsy Monitoring Unit Length of Stay. Presented at the 67th Annual Meeting of the American Epilepsy Society; 2013 December 6-10; Washington DC; 2013

62. Ahmed B, Brodley C, **Carlson C**, Kuzniecky R, Devinsky O, French J, Thesen T. Detection of Structural Brain Abnormalities in Single Patients: Focal Epilepsy. Presented at the International Conference on Basic and Clinical Multimodal Imaging; 2013 September 5-8; Geneva, Switzerland; 2013.

63. Dorland N, Lavingia J, **Carlson C**, Raghavan M. Prevalence of Ictal Infraslow Potentials (IISPs) in Scalp EEG. Presented at the 68th Annual Meeting of the American Epilepsy Society; 2014 December 5-9. Seattle, WA; 2014

64. Vuppala A, Anderson C, **Carlson C**, Mueller W, Raghavan M. Comparison of MEG and intracranial EEG findings in non-lesional drug-resistant partial epilepsy. 69th Annual Meeting of the American Epilepsy Society; 2015 December 4-8; Philadelphia, PA; 2015.

65. Lavingia J, Book D, **Carlson C**. Quality Improvement Project on Resident Hand-Offs Using Structured Templates. 68th Annual Meeting of the American Academy of Neurology; 2016 April 14-21; Vancouver, BC.

66. Lavingia J, Dorland N, Anderson CT, **Carlson C**, Raghavan M. Prevalence of Ictal Infraslow Potentials (IISPs) in Scalp Recorded Video-EEG Recordings and Their Correlation with Various Seizure and Epilepsy Variables. 68th Annual Meeting of the American Academy of Neurology; 2016 April 14-21; Vancouver, BC.

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68. Thompson S, Stout J, Anderson CT, **Carlson C**, Allen L, Raghavan M. Laterality of epileptic networks can significantly influence MEG auditory evoked responses. 70th Annual Meeting of the American Epilepsy Society & 6th Biennial North American Regional Epilepsy Congress; 2016 December 1-6; Houston, TX.

69. Raghavan M, Li Z, **Carlson C**, Anderson CT, Stout J, Sabsevitz D, Swanson S, Binder J. MEG language lateralization in partial epilepsy using dSPM of auditory evoked responses. 70th Annual Meeting of the American Epilepsy Society & 6th Biennial North American Regional Epilepsy Congress; 2016 December 1-6; Houston, TX.

70. Lavingia J, Stout J, Dorland N, Anderson CT, **Carlson C**, Raghavan M. Source modeling of ictal infraslow potentials (IISPs) in scalp EEG can predict seizure onset zones. 2017 Annual Meeting of the American Clinical Neurophysiology Society; 2017 February 8-12; Phoenix, AZ.

71. Binder J, Conant L, Anderson CT, Birn R, **Carlson C**, DeYoe EA, Fernandino L, Gross W, Hermann B, Humphries C, Hwang G, Koch K, Kraegel P, Maganti R, Mathis J, McMillan T, Meyerand M, Nair V, Nencka A, Pabbakaran V, Raghavan M, Rozman M, Ustine C, Zhao G. Cortical Thickness Correlates of Social Cognition Abilities in Temporal Lobe Epilepsy. 69th Annual Meeting of the American

Academy of Neurology; April 22-28, 2017; Boston, MA.

72. Helfand AI, Binder JR, Swanson SJ, Sabsevitz DS, Anderson CT, **Carlson C**, Raghavan M. Regional Reductions in Grey Matter Volume with Longer Disease Duration in Left Temporal Lobe Epilepsy. 71st Annual Meeting of the American Epilepsy Society; 2017 December 1-5; Washington, DC

73. Pankratz J, Sasai S, Boly M, Struck AF, Nair VA, Birn R, Maganti R, Raghavan M, Felton E, Hwang G, Dabbs K, Zhao G, DeYoe E, McMillan TM, Humphries C, Rozman ME, Ustine C, Shah U, Nencka A, Conant L, Mathis J, Almane DN, **Carlson C**, Anderson CT, Hermann B, Prabhakaran V, Binder JR, Meyerand B. Mesoscale reorganization of resting state fMRI connectivity in patients with temporal lobe epilepsy. 71st Annual Meeting of the American Epilepsy Society; 2017 December 1-5; Washington, DC

74. Swanson SJ, Conant LL, Rozman M, Raghavan M, Mueller WM, Allen LS, Gross WL, Anderson CT, **Carlson C**, Humphries CJ, Schwartz L, Busch RM, Lowe MJ, Langfitt JT, Tivarus M, Drane DL, Loring DW, Jacobs ML, Morgan VL, Szaflarski J, Bonilha L, Binder JR. Changes in Definition Naming for Common and Proper Nouns After Left Anterior Temporal Lobectomy. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.

75. Pankratz J, Shuntaro S, Struck A, Nair V, Birn R, Dabbs K, Mathis J, Hwang G, Maganti R, Felton EA, DeYoe E, Humphries CJ, Ustine C, Almane D, McMillan T, Nencka A, Conant LL, **Carlson C**, Anderson CT, Hermann B, Prabhakaran V, Binder JR, Meyerand B, Boly M. Increased Short-Range Functional MRI Connectivity in Limbic Network Correlates With Seizure Frequency and Cognitive Impairment in Temporal Lobe Epilepsy Patient. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.

76. Allen LS, Klink K, Schroeter K, **Carlson C**. Emergency Department Visits After Receiving Psychogenic Non-Epileptic Events (PNEE) as a Diagnosis. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.

77. Bauer PM, Swanson SJ, Sabsevitz DS, Jumphries CJ, Rozman M, Raghavan M, Mueller WM, Allen LS, Conant LL, Gross WL, Anderson CT, **Carlson C**, Schwartz L, Busch RM, Lower MJ, Langfitt JT, Tivarus M, Drane DL, Loring DW, Jacobs ML, Morgan VL, Szaflarski J, Bonilha L, Binder JR. Hippocampal Volume Is Predictive of Story Memory But Not Word List Memory Decline Following Left Anterior Temporal Lobe Surgery. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.

78. Schloemer F, Helms A, **Carlson C**. You Never Forget Your First? Impact of Interview Timing on Final Rank Order. 71st Annual Meeting of the American Academy of Neurology; May 4-11, 2019; Philadelphia, PA.

79. Champeau D, **Carlson C**, Anderson CT, Thompson S, Bauer P, Allen L, Stout J, Swanson SJ, Binder JR, Lew S, Mueller W, Vuppala A, Raghavan M. Utility of MEG in Evaluations for Epilepsy Surgery: A 10-year Review from a Single Epilepsy Center. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD

80. Billakota S, Becker L, Dugan P, **Carlson C**, French JA. Epilepsy Surgery Grading Scale Predicts Early and Late Recurrence of Seizures After Epilepsy Surgery. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD

81. Youssef P, **Carlson C**, Anderson CT, Thompson S, Bauer P, Allen L, Swanson SJ, Binder JR, Mueller W, Lew S, Noviawaty I, Raghavan M. Surgical Outcomes and Intracranial EEG Findings in Drug-Resistant Non-Lesional Epilepsy with Temporal Lobe Features on Scalp Video-EEG. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD

82. Binder JR, Pillay SA, Tong JQ, Gross WL, Mueller W, Raghavan M, Conant LL, Allen L, Anderson CT, **Carlson C**, Fernandino L, Humphries CJ, Schwartz L, Busch RM, Langfitt JT, Tivarus M, Loring D, Szaflarski JP, Morgan VL, Bonilha L, Swanson SJ. Anterior Temporal Lobe Regions Critical for Picture Naming: Voxel-Based Lesion-Symptom Mapping in Patients Undergoing Left Temporal Lobe Resection. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD

83. Sandrone S, Berthaud J, **Carlson C**, Cios J, Dixit N, Farheen A, Kraker J, Owens J, Patino G, Sarva H, Weber D, Schneider L. Strategic considerations for applying the flipped classroom to neurology education. 72nd Annual Meeting of the American Academy of Neurology; April 25-May 1, 2020; Toronto, Canada. In-person meeting cancelled due to COVID-19.

84. Sandrone S, Berthaud J, **Carlson C**, Cios J, Dixit N, Farheen A, Kraker J, Owens J, Patino G, Sarva H, Weber D, Schneider L. Flipped classroom in neurology: principles, practices, and perspectives. 72nd Annual Meeting of the American Academy of Neurology; April 25-May 1, 2020; Virtual Meeting. (In

person Toronto, Canada cancelled due to COVID-19).

85. Pandya V and **Carlson C**. Anti-Seizure Drug Usage Prior to Pre-Surgical Evaluation. 74th Annual Meeting of the American Epilepsy Society; December 4-8, 2020; Virtual Meeting (Seattle, WA in person cancelled due to COVID19).

86. Youssofzadeh V, Stout J, Shah-Basak P, Ustine C, Humphries C, Gross WL, Mathis J, Conant L, Awe E, Allen L, DeYoe EA, Nencka A, **Carlson C**, Anderson CT, Almane D, Maganti R, Hermann B, Prabhakaran V, Raghavan M, Binder JR. 74th Annual Meeting of the American Epilepsy Society; December 4-8, 2020; Virtual Meeting (Seattle, WA in person cancelled due to COVID19).

87. Kangas K, Oleksy A, Janecek J, Pillay S, Umfleet L, Raghavan M, **Carlson C**, Anderson C, Lew S, Swanson S J. Language and memory outcome after frontal or temporal resection for epilepsy. 2023. International Neuropsychological Society. San Diego, CA.

88. Sawalha A, Anderson CT, **Carlson C**. Responsive neurostimulation device use in patients with epilepsy and psychogenic non-epileptic events. Case report and Healthcare expenditure analysis related to neuromodulation therapy in Epilepsy patients. Annual Meeting of the American Academy of Neurology. April 22-28, 2023. Boston, MA.

89. Sawalha A, Anderson CT, **Carlson C**. Responsive neurostimulation device use in patients with epilepsy and psychogenic non-epileptic events. Case report and Healthcare expenditure analysis related to neuromodulation therapy in Epilepsy patients. Annual Meeting of the American Epilepsy Society. December 1-5, 2023. Orlando, FL.

90. Pilet J, Luo T, **Carlson C**, Anderson C, Mueller W, Lew S, Beardsley S, Raghavan M. Interictal ECoG Features Derived from Functional Connectivity Improve the Prediction of Seizure Onset Zones Using Machine Learning. Annual Meeting of the American Epilepsy Society. December 1-5, 2023. Orlando, FL.

91. Shah-Basak P, Youssofzadeh V, Ustine C, Anderson C, **Carlson C**, Gross W, Humphries C, Stout J, Meyerand M, Hermann B, Conant L, Binder J, Raghavan M. Theta-band hyperconnectivity is negatively correlated with cognition in left temporal lobe epilepsy. Annual Meeting of the American Epilepsy Society. Platform presented by P Shah-Basak. December 1-5, 2023. Orlando, FL.

92. Castro AL, Treat R, Malinowski M, Fairbanks S, Simenz C, Willie C, Zundel T, Georgeades C, Francis J, **Carlson C**, Longo J, Ovide J, De Santis J. A Community Outreach-Based Healthcare Disparities Curriculum Integrated into Professional Development for Graduate Medical Education Trainees: A Mixed-Methods Analysis of Pilot Year One, Association of American Medical Colleges Learn Serve Lead Conference, Atlanta, GA, 11/08/2024 - 11/12/2024.

93. Chikara RK, Youssofzadeh V, Heffernan J, Stout J, Shah-Basak P, Ustine C, Humphries C, Mathis J, Conant L, Gross WL, **Carlson C**, Anderson CT, Hermann B, Meyerand B, Bock E, Jaiswal A, Binder JR, Raghavan M. Determining Hemispheric Language Dominance using MEG Evoked Responses: Validation against fMRI. Annual Meeting of the American Epilepsy Society. December 6-10, 2024. Los Angeles, CA

94. Youssofzadeh V, Chikara RK, Heffernan J, Stout J, Shah-Basak P, Ustine C, Humphries C, Mathis J, Conant L, Gross WL, **Carlson C**, Anderson CT, Hermann B, Meyerand B, Bock E, Jaiswal A, Binder JR, Raghavan M. Determining Hemispheric Language Dominance from MEG Beta Power Modulations: Validation against fMRI. Annual Meeting of the American Epilepsy Society. December 6-10, 2024. Los Angeles, CA

95. Kwak G, Gonzalez E, Vuppala A, **Carlson C**. Prevalence and Prognostic Significance of Autoantibody Profiles in Transformation of Ocular to Generalized Myasthenia Gravis. 52nd Annual Meeting of the North American Neuro-Ophthalmological Society. March 20-24, 2026. Boston, MA.

96. Kwak G, Gonzalez E, Vuppala A, **Carlson C**. Prevalence and Prognostic Significance of Autoantibody Profiles in Progression of Ocular Myasthenia Gravis to Generalized Myasthenia Gravis. Annual Meeting of the American Academy of Neurology. April 18-23, 2026. Chicago, IL.