

CURRICULUM VITAE
DANIELLE S MCDERMOTT, MD, MS, FAES
ASSOCIATE PROFESSOR OF NEUROLOGY
University of Colorado Anschutz Medical Campus
Aurora, Colorado 80045
Phone: 720-848-2080
Fax: 720-848-2106

EDUCATION AND TRAINING

- 1994-1999 B.S., Biology, University of Colorado at Denver
- 2000-2002 M.Sc., Applied Natural Science, Colorado State University
Thesis in reproductive toxicology
- 2004-2007 M.D., University of Colorado School of Medicine
Housestaff Association Co-President
- 2008-2009 Intern in Medicine, University of Colorado Anschutz Medical Campus
- 2009-2012 Resident in Neurology, University of Colorado Anschutz Medical Campus
- 2012-2013 Fellowship in Epilepsy, University of Colorado Anschutz Medical Campus
- 2019-2020 Institute for Healthcare Quality, Safety and Efficiency - certificate training

PROFESSIONAL EXPERIENCE:

- 2012-present Volunteer Staff Neurologist– Denver Health and Hospitals
Denver, CO
- 2013-2018 Neurologist, Epileptologist – Colorado Permanente Medical Group
Denver, CO
- 2013-2018 Volunteer Staff Neurologist, University of Colorado School of Medicine
Aurora, CO
- 2018-2020 Assistant Professor, University of Colorado School of Medicine
Aurora, CO
- 2020-present Associate Professor, University of Colorado School of Medicine
Aurora, CO

MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES

University of Colorado School of Medicine:

- 2006-2008 School of Medicine Admissions Committee
- 2010-2013 Neurology Representative, Housestaff Association Executive Committee
- 2011-2013 Graduate Medical Education Committee
- 2011-2013 Housestaff Association Co-President

2011-2013 Faculty Professionalism Committee
2011-2013 Learner Life Task Force
2013-2015 Gold Humanism Honor Society, Resident and Fellow Chapter Advisor
2018-present Epilepsy Division Representative, Pharmacy and Therapeutics Committee
and Drug Utilization Review, Colorado Department of Healthcare Financing
2019-present Epilepsy Division, Service Committee
University of Colorado Hospital:
2011-2013 Affiliated Hospitals Steering Committee
2018-present Medical Director, Epilepsy Monitoring Unit, University of Colorado Hospital
2018-2019 Epilepsy Monitoring Unit Admissions Optimizations Committee
2018-present Neurosciences Quality and Safety Committee, Co-Chair
2018-present Peer Review Committee, Ad-Hoc Member
2018-present Epilepsy Monitoring Unit Clinical Leadership Team

Kaiser Colorado Medical Group and Saint Joseph Hospital:

2015-2018 Medical Director, Epilepsy Monitoring Unit, Saint Joseph Hospital
2015-2018 Consultant Neurologist, Pharmacy and Therapeutics Committee, Kaiser CO
2016-2018 Consultant, Peer review committee, Saint Joseph Hospital

Regional/Community:

2012-present Professional Advisory Board, Colorado Epilepsy Foundation
2019 Epilepsy Connect Fall Symposium Steering Committee

National/International:

2013-present Gold Humanism Honor Society National Membership Committee
2019-present Advisory Committee, Status Epilepticus Health Economics Outcomes
Research, Marinus Pharmaceuticals
2020-present Epilepsy Foundation, National Professional Advisory Board
2020-present Epilepsy Foundation, National Advocacy Committee

AWARDS AND HONORS

2000-2002 NIH Bridge Grant Recipient
2001 Departmental Award, Outstanding Biology Student
2002 Academic Marshal, College of Science and Mathematics
2002 Phi Kappa Phi Honor Society
2004 NIH Summer Research Trainee
2004 Scholarship Recipient, Achievement Rewards for College Scientists (ARCS)
2005 Academic Excellence in the First Year of Medical School
2010 Scholarship Attendee, American Neurology Association Annual Meeting
2011 Scholarship Attendee, National Residents Scholars Program
2012 Scholarship Attendee, American Academy of Neurology Annual Meeting
2012 Extra Mile Award, Neurology Residency Program
2012 American Epilepsy Society Fellows Program
2013 Gold Humanism Honor Society Resident/Fellow Chapter Inductee
2013 Judy Austin Travel and Special Scholarship Fund
2017 Fellow, American Epilepsy Society
2017 Kaiser Permanente Summit Award for Resource Stewardship
2020 Nominee, Vilcek-Gold Award for Humanism in Healthcare

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2009-present American Epilepsy Society
2009-present American Academy of Neurology
2009-present American Clinical Neurophysiology Society

BOARD CERTIFICATION

2012 American Board of Psychiatry and Neurology, Certification in Neurology
2013 American Board of Psychiatry and Neurology, Certification in Epilepsy

PROFESSIONAL LICENSURE

2008-present State of Colorado Medical License
2008-present DEA

INVITED LECTURES AND PRESENTATIONS

Local

McDermott D and Hughes H. **Susac's syndrome**. Invited Speaker. Neurology Grand Rounds, University of Colorado School of Medicine. 2010.

McDermott D and Drees L. **Status Epilepticus, A Standardized Approach**. Invited Speaker. Neurology Grand Rounds, University of Colorado School of Medicine. 2012.

McDermott D. **Epilepsy surgical evaluation of patients with Tuberous Sclerosis Syndrome**. Invited Speaker. Neurology Grand Rounds, University of Colorado School of Medicine. June 2013.

McDermott D. **Epilepsy and Seizure Monitoring**. Invited Speaker. Critical Care Nursing Annual Training Series, Saint Joseph Hospital. 2014-2018.

McDermott D. **The Basics of EEG Instrumentation**. Invited Speaker. Kaiser Permanente Skyline Medical Offices. July 2015.

McDermott D. **The Aging Brain**. Invited Speaker. Academy of Lifelong Learning. October 2016.

McDermott D. **The Aging Brain**. Invited Speaker. Academy of Lifelong Learning. April 2017.

McDermott D. **Dementia**. Invited Speaker. Dine-n-Learn, Colorado Neurological Institute. November 2017.

McDermott D. **Management of a First Unprovoked Seizure**. Invited Speaker. Primary Care, Kaiser Permanente. February 2018.

McDermott D. **Neuromodulation**. Invited Speaker. Lunch-n-Learn, Kaiser Permanente Skyline Medical Offices. February 2018.

McDermott D. **The Aging Brain**. Invited Speaker. Academy of Lifelong Learning. February 2018.

McDermott D. **Responsive Neurostimulation: A Novel Treatment Option for Medication Resistant Focal Onset Seizures**. Invited Speaker. University of Colorado School of Medicine. September 2018.

McDermott D, Korb P, DeStefano S, Strom L, Shrestha A. **Ask an Epileptologist: Your Burning Questions Answered**. Invited Panelist. Neurology Grand Rounds, University of Colorado School of Medicine. March 2019.

McDermott D. **Epilepsy Care. Indications for Patient Monitoring**. Invited Speaker. Neurosciences Nursing Lecture Series, University of Colorado Hospital. September 2019.

McDermott D. **Medical Cannabis for Healthcare Providers**. Invited Speaker. Skaggs School of Pharmacy and Pharmaceutical Science. June 2020.

Regional

McDermott D. Responsive Neurostimulation: A Single Center Experience. Invited Speaker. May 2017

McDermott D and Biesecker K. **Pattern Recognition Workshop.** Invited Speaker. Capstone Event. American Society of EEG Technologists, Fall Seminar. October 2018.

McDermott D. When medications don't work: What is refractory epilepsy and what are your next steps? Invited Speaker. Webinar Series, Epilepsy Foundation of Colorado. November 2018.

McDermott D. Exploring Options for Seizure Control: Medical Devices, Dietary Therapy, Cannabis, and More. Invited Speaker. Epilepsy Connect Fall Symposium, Epilepsy Foundation of Colorado. November 2019.

McDermott D. COVID-19 and Epilepsy, What Do We Know? Keynote Address. Epilepsy Connect Fall Symposium, Epilepsy Foundation of Colorado. November 2020.

National

McDermott D. Epilepsy 102: Why Go To An Epilepsy Center and What Are Your Next Steps? Invited Speaker. 8th Annual Epilepsy Awareness Day. November 2020.

McDermott D. Pharmacology Update in Epilepsy Management. Invited Speaker. Neuromodulation Symposium on DBS and Epilepsy: A Practical Course for Neurosurgeons, Neurologists and Clinical Neurophysiologists. February 2017.

McDermott D and Drees L. **Epilepsy Surgical Case Conference: Decision Pathways.** Invited Speaker. Neuromodulation Symposium on DBS and Epilepsy: A Practical Course for Neurosurgeons, Neurologists and Clinical Neurophysiologists. February 2017.

McDermott D, Gwinn R, Drees L, Livsey C, Ojemann S, Castelo M. Debate RNS versus Grid/SEEG for Seizure Lateralization and Localization. Invited Panelist. Neuromodulation Symposium on DBS and Epilepsy: A Practical Course for Neurosurgeons, Neurologists and Clinical Neurophysiologists. February 2017.

McDermott D and Chung S. **Epilepsy Classification Systems.** Invited Speaker. Neuromodulation Symposium on DBS and Epilepsy: A Practical Course for Neurosurgeons, Neurologists and Clinical Neurophysiologists. February 2017

TEACHING RECORD

Presentations to Medical Students

5.2018 IDPT 7001 Integrated Clinicians Course Notes and Oral Presentations Small Groups, CUSOM.

Presentations to House Officers

10.2013 Status Epilepticus Management, University of Colorado, Neurology Residents
2013-2017 Epilepsy Classification and Seizure Monitoring, Annual Lecture Series, Saint Joseph Hospital Internal Medicine Residency Training Program

9.2015 Alternative Therapies for Epilepsy, Saint Joseph Hospital Internal Medicine Residency Training Program

11.2016 Status Epilepticus, Saint Joseph Hospital Internal Medicine Residency Training Program

Ward/Clinic Attending Duties

2012-2013 Volunteer clinic one half day weekly, Denver Health and Hospitals

2013-2018 Supervision of Internal medicine residents and pharmacy residents in the Epilepsy Monitoring Unit, Kaiser Permanente Colorado/Saint Joseph Hospital

2018-present Supervision and teaching of neurology residents and pharmacy students in outpatient Neurology Clinic, Anschutz Medical Campus

2018-present Supervision and bedside teaching of neurology residents in Epilepsy Monitoring

- Unit, University of Colorado Hospital
- 2018-present Supervision and teaching of epilepsy fellow in Epilepsy Monitoring Unit and outpatient EEG laboratory, University of Colorado Hospital
- 2018-present Clinical preceptor, Foundations of Doctoring course (Juan Santiago-Martinez, MSTP)
- 2020-present Clinical preceptor, Foundations of Doctoring course (Ian Coulter, Medical Student)
- 2020-present Clinical preceptor, Foundations of Doctoring course (Humphrey Peterson-Jones, MSTP)

Mentorships

- 2016-2017 Faculty research mentor, Jacob Ludwig, Internal Medicine Resident, Saint Joseph Hospital
- 2016-present Faculty career mentor, Scott Pearson, PA-C, Epilepsy APP
- 2019-2020 Faculty research mentor, Rajee Krause, NP, DNP Project
- 2019-2020 Faculty research mentor, Dr. Chad Bush
- 2019-2020 Faculty fellow mentor, Dr. Alex Atwood

GRANTS/OTHER FUNDING

- ENGAGE Therapeutics 2019
Role: Principal Investigator IRB #: 19-1396
WIRB Protocol No. 20172999
A Double-Blind, Placebo-Controlled, Inpatient, Dose-Ranging Efficacy Study of Staccato Alprazolam (STAP-001) in Subjects with Epilepsy with a Predictable Seizure Pattern
- NeuroPace, Inc 2019
Role: Principal Investigator
IRB #: 19-0270
IRB Study No: 125614, IRB Pr. No: 20190631
Investigator-Initiated Multicenter Retrospective Study of Tuberous Sclerosis Complex (TSC) Patients Treated with the RNS® System
- NeuroPace, Inc 2018
Role: Sub-Investigator
Cornelia Drees, PI
IRB #: 15-1458
Protocol: PMA P100026/NP10012
Study title: RNS System Post-Approval Study in Epilepsy Clinical Investigation Plan
- LivaNova 2018
Role: Sub-Investigator
Cornelia Drees, PI
IRB #: 18-0995
Protocol: LNN001
Study title: Microburst VNS Therapy Feasibility Study in Subjects with Refractory Epilepsy
- Medtronic 2018
Role: Sub-Investigator
Steven Ojemann, PI
IRB #: 17-0973
Study Title: Stereotactic Laser Ablation of Patients for Temporal Lobe Epilepsy (SLATE)

UCB Biosciences

Role: Sub-Investigator

Laura Strom, PI

IRB #: 17-0679

Study Title: Observtional Study of Patients Who Are Initiating Brivaracetam

REVIEW AND REFEREE WORK

2019-present Ad hoc reviewer, *Advances in Neurology and Neurosciences*
2020-present Ad hoc reviewer, *Seizure: European Journal of Epilepsy*

OTHER SPECIFIC ACCOMPLISHMENTS

2013 Creation of Status Epilepticus Agile Pathway
2019 Creation of Seizure Management Pathway

VOLUNTEER SCHOLARLY ACTIVITIES

2.2019 Faculty Judge, Annual Mentored Scholarly Activity Capstone Poster Presentation

BIBLIOGRAPHY

Peer-Reviewed Articles

McDermott DC, Hoyer PB, and Diawara MM. Morphological Evidence of 8-MOP-Induced Apoptosis in the Rat Ovary. *Journal of Toxicology*. 2003; 22: 701-708.

McDermott DS, Hoyer PB, and Diawara MM. 8-Methoxypsoralen Suppresses Production of Ovarian Aromatase Proteins. *Toxin Reviews*. 2005; 24: 235-245.

Drees C, **McDermott D**, Sillau S, Abosch A, Ojemann S, and Brown M. Seizure outcome with responsive neurostimulation (RNS) comparing strip versus depth leads. *Epilepsy and Behavior*. 2020 Sep 7;112:107402.

Hixon AM, Brown MG, **McDermott D**, Destefano S, Abosch A, Kahn L, Ojemann S, Drees C. RNS modifications to eliminate stimulation-triggered signs or symptoms (STS): Case series and practical guide. *Epilepsy and Behavior*. 2020 Jul 24; 112:107327.

Under revision: **McDermott D**, Mirro EA, Fetrow K, Burdette D, Chen S, Hopp J, Haneef Z, Masel TM, Johnson E, Elefant FM, Le S, Gay-Brown M. Brain Responsive Neurostimulation for the treatment of adults with epilepsy in tuberous sclerosis complex: A case series. *Epilepsia Open*.

Scientific Abstracts (Competitive)

Li HY, **McDermott DS**, Lotts MM, Ertel JR, Xu M, Lillehei KO, DeMasters BK, Nielsen- Preiss SM, Pawlowski JE, Wierman ME: Differential expression of bone morphogenic protein -5, promyelocytic leukemia zinc finger and members of the GATA family in gonadotropinomas. Carmel, CA. 2005.

McDermott D, Wierman ME. Identification of Novel Factors that Regulate Pituitary Tumorigenesis. Western Medical Student Research Forum. Carmel, CA. 2005.

McDermott D, Maa EH, Doherty MJ, Spitz MC. Barometric Pressure and Seizure Frequency in an Epilepsy Monitoring Unit: A follow up study. *Epilepsia* 2007; 48 Suppl s6. 2005.

McDermott D, Kemp R, Strom LA. Recurrence of Seizures after Discontinuation of Immunomodulation. Abst. 3.106. American Epilepsy Society Annual Meeting. December 2010.

McDermott D, Strom LA, Frey LC. Presurgical Evaluation of in Adult Patients with Tuberous Sclerosis Complex. Abst 3.289. American Epilepsy Society Annual Meeting. December 2012.

Bainbridge J, Spitz M, Frey L, **McDermott D**, Drees C, O'Brien C, Strom L, Shrestha A, Pearson S. Retrospective study of lacosamide in the elderly (>60). Abstract 2.172. American Epilepsy

Society Annual Meeting. December 2013

McDermott D, Frey L, Faithe M, Bainbridge J, O'Brien C, Oh C, Pearson S, Shrestha A, Strom L, Spitz M, Drees C. Improving time to treatment and resolution of status epilepticus. Abstract 3.153. American Epilepsy Society Annual Meeting. December 2013.

McDermott D, Brown D. A novel approach to treatment of medically intractable epilepsy in patients with Tuberous Sclerosis Complex: Single center experience. Abstract 2.329. American Epilepsy Society Annual Meeting. December 2017.

McDermott D, Brown M, Sillau S, Abosch A, Ojemann S, Schwarz S, Drees C. Seizure outcomes in Responsive Neurostimulator (RNS) therapy comparing strip electrodes to depth electrodes. Abstract 3.146. American Epilepsy Society Annual Meeting. December 2018

Brown M, **McDermott D**, Sillau S, Abosch A, Ojemann S, Schwarz S, Drees C. Responsive neurostimulator (RNS) use in patients with and without prior vagus nerve stimulator (VNS) implantation. Abstract 1.165. American Epilepsy Society Annual Meeting. December 2018.

McDermott D, DeStefano S, Sillau S, Pierce R, Baca C, Drees C, Spitz M, Brown M. Late and Breaking Abstract 3.447. What is a Full Time Academic Epileptologist? Results of a National Survey in the United States. American Epilepsy Society Annual Meeting. December 2019.

DeStefano S, Brown M, Calcaterra S, Rapp E, Pearson S, **McDermott D**. Implications of Psychiatric Comorbidities and Chronic Cannabis Use in Epilepsy Patients Undergoing Intracranial Monitoring. Abstract 2.408. American Epilepsy Society. December 2019.

Drees C, Brown M, **McDermott D**, Abosch A, Kahn L, Ojemann S, Destefano S. RNS modification to eliminate stimulation-triggered symptoms and signs. Abstract 3.163. American Epilepsy Society Annual Meeting. December 2019.

Rotter M, Spencer C, Elliott K, **McDermott D**, Musacchia D, Walczak P, Hill A, and Baca C. Feasibility Assessment of Tensive Compared to Collodion Adhesives in Short-Term Electroencephalogram Recordings. Abstract 2.008. American Epilepsy Society Annual Meeting. December 2019.