CHANTAL O’BRIEN, M.D.

January 2018

**Current position:** Epilepsy/General Neurology Assistant Professor

Department of Neurology

University of Colorado Hospital

Anschutz Outpatient Pavilion

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[Chantal.obrien@ucdenver.edu](mailto:Chantal.obrien@ucdenver.edu)

**Education:**

BA Molecular Cellular Developmental Biology, University of Colorado Boulder CO 1994-1997

Medical Doctorate, University of Colorado Health Sciences Center, Denver CO 1999-2003

Internal Medicine Internship, University of Colorado Hospital, Denver, CO 2003-2004

Residency in Neurology, University of Colorado Hospital, Denver, CO 2004-2007

Chief Resident Neurology, University of Colorado Hospital, Denver, CO 2006-2007

Fellowship in Epilepsy, University of Colorado Anschutz Hospital, Aurora, CO 2007-2008

**Academic Appointments:**

Clinical Professor Headache/Epilepsy Appointment July 2017

Medical Student Clinical Clerkship Director April 2010- March 2014

University of Colorado Anschutz Hospital

Assistant Professor General Neurology/ Epilepsy Appointment 2010-2017

University of Colorado Anschutz Hospital

Instructor of General Neurology/Epilepsy 2008-2010

University of Colorado Anschutz Hospital

**Honors, Special Recognitions and Awards:**

Phi Beta Kappa

Student Cancer Research Award, CU Boulder

Chief Resident, Department of Neurology, University of Colorado Hospital 2006-2007

UCH Doc’s Awards 2010

UCH Patient Gratitude Award Dec 2010

Compassionate Doctor Award 2010-2011

Patient’s Choice Award 2008-2013

**Memberships in Professional Organizations:**

**National Societies:**

Alliance Headache Disorders, Active Member

American Headache Society, Active Member

American Academy of Neurology, Active Member

American Epilepsy Society, Active Member

European Federation of Neurological Societies, Active Member

Epilepsy Foundation of Colorado Gala Benefiting the Jason Fleishman Summer Camp Saturday 2012-2013

**Licensure and Board Certification:**

Medical Board of Colorado Physician Licensure DEA Practitioner Institutional License American Board of Neurology and Psychiatry Certification Part I and Part II

American Board of Neurology and Psychiatry Epilepsy Board Certification Oct 2016

Anticipated United Council for Neurologic Subspecialties Headache Board Certification Oct 2018

Current ACLS certification

**Clinical Educator and Speaker:**

* Poster presentation American Epilepsy Society Meeting Dec 2007:

Pharmacology of Oral Levetiracetam in Subarachnoid Hemorrhage Patients

Ed Maa, MD, Chantal O’Brien MD, Jackie Bainbridge, PhD, Mark Spitz,MD

* Poster presentation American Epilepsy Society Meeting Dec 2010:

Recurrent of Seizures in Steroid Responsive Encephalopathy Associated with Thyroiditis. D. McDermott MD, R. Kemp, C. O’Brien MD, L. A. Strom MD

* Status Epilepticus Protocol, M&M review 2008
* RN training Ictal SPECT scan protocol, Epilepsy 2008
* RN training Video EEG patient safety and seizure characterization, Fall 2010
* Teva BRAVO Study  08-0487; Laquinimod vs Placebo: Role as Unbiased Informed Consentor for Relapsing MS patients 2009- 2010
* Residency Application Reviewer and Interview Committee Member 2009-2010
* 2007-2015 Foundations of Doctoring.MS 2 Small Group Neurological Examination Teaching
* MS 2 Foundations of Doctoring Neurologic Examination Lecture and Small Group Presentations 2010-2013
* MS3 Neurology Student Mentorship Program and Advising July 2010-2014
* Student Interest Group in Neurology meeting presentations 2010-2011
* Attending on General Neurology Wards 4 weeks per year University of Colorado Hospital 2009-2011 with Neurology Residents, Subinterns and Medical Students, Bedside Teaching
* Attending on Inpatient Epilepsy Monitoring Unit Service with Neurology Resident and Epilepsy Fellow, EEG interpretation and Clinical Epilepsy bedside teaching 6-12 weeks per year 2009- 2014
* Annual Emergency Lecture Series Status Epilepticus, Inpatient EEG and Coma EEG Resident Lectures 2009-2011
* Neurology Clinical Clerkship ACGME Competency Medical Student Milestones Creation 2010-2011
* Neurology Clerkship Medical Student Remediation Evaluator/ Office of Student Affairs 2010-2013
* Neurology IDPT 7002 Integrated Clinicians course one week transition Specialty Advising sessions MSIII students at beginning of year and mid-year 2010-2014
* MS 2nd year retreat advising 2011
* Neurology Phase III Clerkship Review with Curriculum Steering Committee Evaluation 2010
* Neurology Clerkship CAPE assessment revision 2010-2014
* Annual Curriculum Retreat Participant 2011
* Longitudinal Curriculum Committee 2012
* Phase III Neurology Block Grading Committee Supervisor 2012-2014
* Foundations of Doctoring Preceptor 2011-2014
* 48th Annual Internal Medicine Conference Speaker 2012 *“ Headache Free Migraine Management”*
* Guest Speaker Sept 21st 2013 CME: Epilepsy & Non-Parkinson Movement Disorders Schedule: “*Women’s Issues and Epilepsy”*
* Neurology Grand Rounds “Medical therapy” in the *Epilepsy Division Treatment*

*Options for Patients with Intractable Temporal Lobe Epilepsy* July 10th 2013

* Neurology Grand Rounds General Neurology Division Wed June 26th, 2013

*Cardiovascular comorbidities in General Neurology: A Case Based Discussion*

* Neurology Grand Rounds *Multidisciplinary Approach with Diagnosis of Refractory Loss of Consciousness Events with Tilt tablet Testing* Sept 9th 2016
* National Meeting American Epilepsy Society Presentation: *Epilepsy Management with Medical Comorbidities – Pharmacology Special Interest Group Section* December 6th, 2016
* National Meeting American Epilepsy Society Poster Presentation: *Usefulness of Tilt Table EEG testing in Diagnosis of Refractory Loss of Consciousness Events* December 5th, 2016
* Mentored Scholarly Activity Faculty Mentor for Epilepsy Surgery QI Project
* Headache module for the Neurology residents 3/16/2016, 3/1/2017, 1/24/18

Teaching session for Neurology residents at University of Colorado Denver SOM

* Epilepsy module didactics for Neurology Residents at University of Colorado Denver SOM 10/2013, 10/2014, 10/2015
* Epilepsy Fellows didactics for Epilepsy Fellow and Neurology Residents at Children’s Hospital 2013, 2014, 2015
* Epilepsy 101 for Physical Therapy Students at Department of Physical medicine 2015, 2016
* Ongoing Project collaboration: [The EEG Patch: An Update on Feasibility as a Discrete, Wearable, EEG Device for Counting Seizures](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/2421529) -M. Lehmkuhle, M. Elwood, J. Wheeler, J. Fisher, F. Dudek, K. Lervik, L. Frey, A. Shrestha, C. Drees, M. Brown, P. Korb, M. Spitz, C. OBrien 2016- present
* QI Projects completed and ongoing:
* Implementation of EPIC Status Epilepticus order set 2011
* Phone call study to determine nature of high call abandonment rate 2012
* Speeding time to Epilepsy surgery with increase in Patient Care Conferences
* Efficiency of cEEG review in Cardiac Arrest patients
* CUSP Epilepsy Monitoring Unit laboratory result follow up
* Epilepsy Outpatient Visit Quality Improvement Doc Flowsheet Template to include the AAN Practice Guidelines for annual patient education regarding SUDEP, Safety Concerns with AEDs in Pregnancy, Driving Safety
* Development of an Informational Institutional Guide to Epilepsy Surgery
* Incorporation of ACNS Standardized ICU EEG Nomenclature for ICU continuous EEG studies
* Use of Outpatient Infusion Center for Status Migrainosus treatment 2014-2016 IRB study
* Medication Overuse Headache Trial – Mayo clinic Multicenter prospective trial 2016-2018

**Adminstrative Responsibilies and Committee Memberships**

* Residency Application Reviewer and Interview Committee Member 2009-2010
* MS3 Neurology Student Mentorship Program and Advising July 2010-2014
* Medical Student Clinical Clerkship Director April 2010- March 2014

University of Colorado Anschutz Hospital

* Epilepsy Division weekly Administrative meetings 2007- present
* Epilepsy Division Patient Care Conference meetings 2010 – present
* Headache Clinic Department of Neurology Division Administrative meetings – 2015- present

**National Meeting Poster Presentations:**

* Poster presentation American Epilepsy Society Meeting Dec 2007:

Pharmacology of Oral Levetiracetam in Subarachnoid Hemorrhage Patients

Ed Maa, MD, Chantal O’Brien MD, Jackie Bainbridge, PhD, Mark Spitz,MD

* Poster presentation American Epilepsy Society Meeting Dec 2010:

Recurrent of Seizures in Steroid Responsive Encephalopathy Associated with Thyroiditis. D. McDermott MD, R. Kemp, C. O’Brien MD, L. A. Strom MD

* 2.053 [PROCESS IMPROVEMENT TO REDUCE TIME TO EPILEPSY SURGERY](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/1868135) Cornelia Drees, Rhonda DeBello, Lauren Frey, Pearce Korb, Archana Shrestha, Laura Strom, Mark Spitz and Chantal O'Brien *(2014)*
* 3.205 [EYEWITNESSES OF SEIZURES ARE MORE ACCURATE HISTORIANS THAN THE PATIENTS](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/1868653) Mark Spitz, Sarah Moreland, Kimberly Horiuchi, Kristen Lervik, Pearce Korb, Cornelia Drees, Rhonda DeBello, Laura Strom, Lauren Frey, Archana Shrestha and Chantal O'Brien (2014)
* 3.304 [RETROSPECTIVE STUDY OF LACOSAMIDE IN THE ELDERLY (> 60 YEARS OF AGE)](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/1868752)Jacquelyn Bainbridge, Pei shieen Wong, Mark Spitz, Lauren Frey, Cornelia Drees, Chantal O'Brien, Laura Strom, Archana Shrestha, Joseph Sirven, Selim Benbadis, Edward Maa, Steve Chung and Barbara Phillips (2014)
* 3.320 [LORETA Z-SCORE NEUROFEEDBACK TRAINING IN PATIENTS WITH DRUG-REFRACTORY EPILEPSY](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/1868768) Lauren Frey and Chantal O'Brien (2014)
* Poster Presentation American Epilepsy Society Meeting Dec 2016

3.116 [Diagnostic Usefulness of Tilt Table Testing with Concomitant Video EEG Monitoring in Select Patients with Intractable Loss of Consciousness Events](https://www.aesnet.org/meetings_events/annual_meeting_abstracts/view/2422052)

C. O'Brien, M. Spitz, L. Frey, J. Schofield, C. Kenny, L. Strom, A. Shrestha, C. Drees, M. Brown, P. Korb

* Poster Presentation American Epilepsy Society Meeting Dec 2016

2.308 Process Improvement to Decrease Time to Epilepsy Surgery and Increase Number of Surgeries -C. Drees, M. Brown, S. Sillau, R. DeBello, L. Frey, P. Korb, A. Shrestha, L. Strom, M. Spitz, C. O'Brien, S. Ojemann, A. Abosch

**Clinical Trials:**

* Cefaly device for Chronic Migraine Prevention, Pilot study 2015, Co-investigator
* MOTS multicenter PCORI trial 2016 Medication Overuse Treatment Strategy Co-investigator
* Anti CGRP Antibodies for Cluster headache trial – 2017-2018
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD) Schwarz SP902 A Historical-controlled, Multicenter, Double-blind, Randomized Trial to Assess the Efficacy and Safety of Conversion to Lacosamide 400mg/day Monotherapy in Subjects with Partial-onset Seizures
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD **)** Schwarz SP904 A Multicenter, Open-label Extension Trial to Assess the Long-term Use of Lacosamide Monotherapy and Safety of Lacosamide Monotherapy and Adjunctive Therapy in Subjects with Partial-onset Seizures
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD **)** Prosper/Supernus 301 Multicenter, Double-Blind, Randomized, Placebo-Controlled, Three-Arm, Parallel Group Study to Evaluate the Efficacy and Safety of Oxcarbazepine Extended-Release (OXC XR) (1200 and 2400mg/day) as Adjunctive Therapy in Subjects with Refractory Partial Seizures due to Epilepsy on up to Two Concomitant Antiepileptic Medications
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD) Prosper/Supernus 302 Multicenter, Open-Label Extension Study to Evaluate the Long-Term Safety and Tolerability of Oxcarbazepine Extended-Release (OXC XR) as Adjunctive Therapy in Subjects with Refractory Partial Epilepsy on up to Two Concomitant Antiepileptic Medications
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD) Sepracor 093-045 Protocol 093-045: Double-Blind, Randomized, Historical Control Study of the Safety and Efficacy of Eslicarbazepine Acetate Monotherapy in Subjects with Partial Epilepsy Not Well Controlled By Current Antiepileptic Drugs.
* Sub-investigator (Site PI: Mark Spitz MD and Laura Strom, MD) Sepracor 093-050 Long-Term Eslicarbazepine Acetate Extension Study
* Sub-investigator (Site PI: Mark Spitz MD) Epilepsy Patient Database development 2008,
* University of Colorado Hospital

**Scientific/CME Events Participation**

* American Epilepsy Society Meeting 2007-2016
* 48th Annual Internal Medicine Conference Speaker 2012 *“ Headache Free Migraine Management”*
* Guest Speaker Sept 21st 2013 CME: Epilepsy & Non-Parkinson Movement Disorders Schedule: “*Women’s Issues and Epilepsy”*
* Neurology Grand Rounds Speaker “Medical therapy” in the *Epilepsy Division Treatment*

*Options for Patients with Intractable Temporal Lobe Epilepsy* July 10th 2013

* Neurology Grand Rounds General Neurology Division Wed June 26th, 2013 Speaker

*Cardiovascular comorbidities in General Neurology: A Case Based Discussion*

* Neurology Grand Rounds Speaker *Multidisciplinary Approach with Diagnosis of Refractory Loss of Consciousness Events with Tilt tablet Testing* Sept 9th 2016
* Annual Concussion Conference 2015
* Comprehensive Headache Management Denver CO 2016
* American Headache Society Meeting Scottsdale 2016

**National Leadership Participation**

* National Meeting American Epilepsy Society Presentation: *Epilepsy Management with Medical Comorbidities – Pharmacology Special Interest Group Section* December 6th, 2016
* Headache on the Hill – Alliance for Headache Disorders Lobbying event Washington D.C for funding of Headache and Pain Research Feb 2016, Feb 2017

**Basic Research Experience:**

UCHSC Department of Neurology, PI: Don Gilden, MD 2003

Search for Viral Pathogen in the development of Multiple Sclerosis

National Jewish Medical Center, PI: Terry Potter PhD 1999 Characterization of requirement for CD8 ligand in cytotoxic T cell receptor and Antigen Presenting Cell MHI complex generation with protein assay transgenic mice Student Cancer Research Fellowship CU Boulder 1996 Genetic Mapping and characterization of novel gene SUR 8 involved in regulation of RAS mediated signal transduction in C.elegans

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| CHANTAL O’BRIEN, M.D  March 2017  **Current position:** Epilepsy/General Assistant Professor  Department of Neurology  University of Colorado Hospital  Anschutz Outpatient Pavilion  1635 Aurora Court Suite 4500  Aurora, Colorado 80045  Phone: (720) 848-2080  Fax: (720) 848-0117  Chantal.obrien@ucdenver.edu  **Clinical Practice** Dr. O’Brien’s practice encompasses Refractory Epilepsy and Comprehensive Headache management as well as Neurologic screening for Dysautonomia and General Neurology preliminary consultations. She participates in specialty clinics including Tuberous Sclerosis clinic, Concussion clinic and sees patients initially for a variety of other conditions such neuropathic pain, peripheral neuropathy, sleep disorders, parkinson’s disease, post concussive syndrome, traumatic brain injury, multiple sclerosis, weakness, transient ischemia attacks, CNS lupus, memory loss, and dementia. She is Board certified in Epilepsy, performs electrodiagnostic interpretation and specializes in evaluation and management of refractory epilepsy patients with medications, Neuromodulation and Epilepsy surgery. Special interests are Migraine in Epilepsy, management of Pregnant women with Epilepsy and/or Headache, and Dysautonomia. |
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