

CURRICULUM VITAE
Carl W. Bazil, M.D., Ph.D.

Title: Director, Epilepsy and Sleep Division
Caitlin Tynan Doyle Professor of Neurology at CUMC
Columbia University College of Physicians and Surgeons

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Academic training:

Massachusetts Institute of Technology, S.B., 1983.

Emory University, M.S., 1987.

Emory University, Ph.D.(Pharmacology), 1989.

Thesis title: Volatile anesthetics and synaptic neurochemistry.

Sponsor: Kenneth P. Minneman, Ph.D.

Emory University, M.D., 1989.

Medical Licensure:

New York State #184430.

New Jersey #25MA07516600 (inactive)

Clinical Training:

Internal medicine resident, Emory University, July 1989- June 1990.

Neurology resident, New York University, July 1990- June 1993.

Neurology Chief Resident and Instructor, New York University, July 1992- June 1993.

Clinical fellow in epilepsy/EEG, The Neurological Institute of Columbia Presbyterian Medical Center,
Columbia University, July 1993-June 1995.

Professional Societies:

American Academy of Neurology (Fellow)

American Clinical Neurophysiology Society (Fellow)

American Epilepsy Society

American Medical Association

American Neurological Association

American Academy of Sleep Medicine

Academic appointments:

Instructor in Neurology, New York University, New York, NY 1992-3.

Postdoctoral Clinical Fellow/Assistant in Clinical Neurology, College of Physicians and Surgeons of Columbia University, New York, NY 1993-95.

Adjunct Associate Professor, Department of Pharmacy Practice, Long Island University, Brooklyn, NY 1995.

Assistant Professor of Neurology, Mount Sinai School of Medicine, New York, NY 1995-1996.

Assistant Professor of Neurology, College of Physicians and Surgeons, Columbia University, New York, NY 1996-2003.

Associate Professor of Clinical Neurology, College of Physicians and Surgeons, Columbia University, New York, NY 2003-8.

Professor of Neurology, College of Physicians and Surgeons, Columbia University, New York, NY 2008-present.

Director, Epilepsy and Sleep Division, Columbia University Department of Neurology, 2008-present

Hospital Appointments:

Assistant Attending Physician, Mount Sinai Hospital, 1995-6.

Assistant Attending Neurologist, New York Presbyterian Hospital 1996-2003

Associate Attending Neurologist, New York Presbyterian Hospital 2003-2008

Acting Director, Columbia Comprehensive Epilepsy Center, April-November 2004

Attending Neurologist, New York Presbyterian Hospital 2008-present

Director, Columbia Comprehensive Epilepsy Center, 2008-present

Grants and Awards:

Past:

NS054864.01, "Consolidation of Motor Skills and Sleep Homeostasis in Parkinson's Disease." Role: Subinvestigator, Columbia subcontract. 2006-2011, total subcontract \$442,000, 5% effort.

Open-Label Study to Assess the Safety and Tolerability of Intravenous Carbamazepine as Short-Term Replacement for Oral Carbamazepine in Adult Patients with Epilepsy. 2012. Sponsor: Lundbeck. Role: PI "Eszopiclone for insomnia in epilepsy," investigator initiated grant, 2007-11, sponsor: Sepracor, Inc. \$127,900.

"Effects of pregabalin on insomnia in patients with epilepsy," investigator initiated grant, 2006-10. sponsor: Pfizer, Inc. \$119,500.

NIH 1RO1NS32375-01A1, "Multicenter study of outcomes after epilepsy surgery", Columbia subcontract principle investigator, 2001-2006, \$400,000.

Columbia University Office of Clinical Trials Pilot Study Award, "Gabapentin for alcohol-induced sleep disruption", \$50,000, 2003-2004.

UCB Pharma, "Effects of Levetiracetam on Sleep in Normal Volunteers", \$107,000, 2003-4

A 7-week multicenter, randomized, double-blind, placebo-controlled, parallel group study to determine the effects of adjunctive levetiracetam on the sleep architecture of adult subjects with partial onset epilepsy receiving a first generation anti-epileptic drug. 2002-2004

"Drowsiness, sleep, and circadian rhythms in patients with temporal lobe epilepsy"

Epilepsy Foundation of America, \$40,000, July 1998-June 1999.

NIH 1RO1NS32375-01A1, "Multicenter study of outcomes after epilepsy surgery", Columbia subcontract principle investigator, 1998-2001, \$151,000.

Individual predoctoral fellow, National Institute of Mental Health; 1986-88.

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Multicenter Investigational Drug/device Trials:

Current: Responsive Neurostimulator (RNS) system long-term treatment clinical investigation.

Columbia PI 2012-2016; sub-I 2016-present.Sponsor: NeuroPace.

A Double-Blind, Placebo-Controlled, Parallel-Group Study of Rufinamide Given as Adjunctive Therapy in Patients with Refractory Partial Seizures

A Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel Group Trial to Investigate the Efficacy and Safety of SPM 927 (200 mg/day, 400 mg/day, 600 mg/day) as Adjunctive Therapy in Subjects with Partial Seizures with or without Secondary Generalization. 2002-4

Stimulation of the Anterior Nucleus of the Thalamus for Epilepsy (SANTE), 2004-9

A Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel Group Trial to Investigate the Efficacy and Safety of SPM 927 (200 mg/day, 400 mg/day, 600 mg/day) as Adjunctive Therapy in Subjects with Partial Seizures with or without Secondary Generalization 2002-8 (open label follow on)

Pregabalin add-on trial: a double blind, placebo-controlled, multicenter study in patients with refractory complex partial seizures with or without secondary generalization, 1997-2006 (successfully audited by FDA 2004; no form 487 received)

Pregabalin BID Open-Label Add-on Titration Trial: A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter Study in Patients With Partial Seizures, 2000 (study terminated by sponsor)

A multicenter, open-label, safety study to evaluate the use of 25 mg and 50 mg Zonegran (zonisamide) in the initiation of therapy in patients with epilepsy, 2000-2001

An open-label, multicenter study to assess the safety and effectiveness of Diastat (diazepam rectal gel) in the treatment of seizures in adults. 2000-2001.

Multicenter, double-blind, randomized, parallel group study comparing the safety and efficacy of 3,000 mg levetiracetam to 1,000 mg of valproate used as monotherapy in epileptic patients with complex partial seizures, 1999 (study terminated by sponsor).

Open label assessment of the clinical utility of Trileptal in monotherapy in patients with partial seizures, 1999-2000.

Open-label dose titration assessment of the clinical utility of a slow, low dose titration schedule of Zonegran in the initiation of therapy in patients with partial seizures, 1999-2000.

An open label, multicenter study to evaluate the safety, tolerability, and therapeutic effect of GP 47779 administered intravenously in subjects with epilepsy. 1998-99 (study terminated by sponsor)

Safety and efficacy of high versus low dose rufinamide monotherapy in patients with inadequately controlled partial seizures, 1997-2001

Pregabalin in-patient monotherapy trial: a double-blind, positive-controlled, multicenter study in patients with refractory partial epilepsy, 1997-98.

Gabapentin monotherapy for newly diagnosed patients with partial seizures, 1997-98

Cost Analysis of the Routine Use of Parenteral IM Fosphenytoin Versus IV Fosphenytoin in the Management of Seizures within the Hospital Setting", Mount Sinai Medical Center 1996.

Board Certification:

National Board of Medical Examiners, 1990

American Board of Neurology and Psychiatry #41900, 1995

Recertified 2005, 2015

Added Qualification in Clinical Neurophysiology, #993, 1999

Recertified 2011

Added Qualification in Sleep Medicine, #371, 2009

Added Qualification in Epilepsy #54, 2013

American Board of Clinical Neurophysiology, 1996

American Board of Sleep Medicine #2836. 2005

Other Professional Activities:

Epilepsy Section Editor, Current Neurology and Neuroscience Reports, 2003-present.

Contributing Editor, *The Medical Letter*, 2009-present.

Editorial Board, JAMA Neurology, 2014-present; *Epilepsy Research*, 2001-2006; Epilepsy.com, 2002-present.

Stroke Division Director search committee, Columbia University, 2007

Abstract reviewer, American Academy of Neurology, 2007-9.

Director of Clinical Anticonvulsant Drug Trials, Columbia University 1996-2008

Board member, American Clinical Neurophysiology Society, 2003-2006

Contributing editor, *Epilepsy Currents*, 2001-2004

Ad-hoc reviewer, *Epilepsia*, *Epilepsy & Behavior*, *Epileptic Disorders*, *Epilepsy Research*, *European Journal of Epilepsy*, *Seizure*, *European Journal of Neurology*, *Physiology and Behavior*, *Sleep*, *Journal of Clinical Sleep Medicine*, *Sleep Medicine*, *Neurology*, *Acta Neurologica Scandinavica*, *Annals of Neurology*, *Archives of Neurology*, *JAMA Neurology*, *JAMA*, *Neuropharmacology*, *British Medical Journal*, *Brain*, *Clinical Therapeutics*, *Neuroscience Letters*, *Neuropediatrics*, *Pediatrics*, *International Journal of Psychopathology*.

Examiner, American Board of Clinical Neurophysiology, 1997-2004; *Journal of the Neurological Sciences*, 2015- present.

NIH peer review panel

Grant reviewer, Citizens United for Research in Epilepsy (CURE), 2009

AAN Practice Parameter Guideline Committee on New AEDs, 2003-4.

Teaching courses:

Columbia University Medical Student Neurosciences, 2014-present

Columbia University neurology residency lectures in epilepsy and sleep, 1998-present

Columbia University clinical neurophysiology residency lectures in epilepsy and sleep, 1998-present

Columbia University Occupational Therapy Program, lectures in epilepsy 2000-2012

City University of New York, lectures in epilepsy and sleep disorders, 2006-present

Mount Sinai School of Medicine, lecture in sleep disorders, 1996-7

Trainees:

Clinical neurophysiology/epilepsy fellows (current position):

Keith Nagle, M.D. 1996-7 (University of Vermont)

Luis Castro, M.D. 1997-8 (University of Sao Paulo)

Susan Herman, M.D. 1997-1999 (Harvard University)

Alison Pack, M.D. 1998-2000 (Columbia University)

Alexandra McBride 1998-2000 (Westchester Medical Group)

Anil Mendiratta, M.D. 1999-2001 (Columbia University)

Linda Leary, M.D. (University of Texas, San Antonio)

Hyunmi Choi, M.D. 2000-2 (Columbia University)

Tina Shih M.D. 2000-2 (UCSF)

Aaron Johnson, M.D. 2001-2 (ACGME)

Catherine Schevon, M.D. 2002-4 (Columbia University)

Kelly Knupp, M.D. 2003-4 (Children's Hospital Colorado)

Derek Chong, M.D. 2004-6 ACGME (New York University)

Nathalie Jette, M.D. 2004-5 (University of Calgary)

Leonie Van Passel 2004-5 ACGME

Sheetal Malik 2004-6 (ACGME 04-05); University of Cincinnati

David Friedman. M.D. 2005-2007 (ACGME 05-06)

Carl W. Bazil, M.D., Ph.D.

Peter Tai, M.D. 2005-6 ACGME, Toronto Western Hospital
Andrew Mower 2005-6 ACGME
Karine Abou-Khaled 2006-7 ACGME Beirut
Sudha Kilaru 2006-7 ACGME
Zarya Rubin 2006-7 ACGME (UCB Pharma)
Sean Hwang, M.D. 2006-2008 (Assistant Professor, Long Island Jewish)
Mill Etienne, M.D. 2006-2009 Walter Reed Hospital
Nishi Rampal M.D. 2007-8 (continuous EEG)
Danielle McBrian, M.D. 2007-2009 Columbia University
Sara Inati, M.D. 2007-2009 NIH
Alfred T. Frontera, M.D.; 2007-2009 University of South Florida
Elizabeth Gerard, M.D. 2007-2009 (Northwestern University)
Daniel Freidman M.D. 2008-2010 (New York University)
Kim Pargeon M.D. 2009-11 Cornell University
Jeremy Moeller 2009-11 Yale University
Maja Ilic 2010-11 (ACGME)
Jay Varma 2010-12 Barrow Neurological Institute
Heidi Munger-Clary 2011-13: Wake Forest University
Andres Rodriguez-Ruiz 2012-14: Emory University
Robert Connors 2012-2014: private practice
Cynthia Correll 2012-2014: Geisinger Health System
Suda Jirasakuldej 2013-14 (ACGME)
Alexis Dallara (ACGME) 2014-2015
Nicole Odom 2013-2015
Amy Jongeling 2013-2015 (NYU)
Deepti Anbarasen 2015-16 (Columbia)
Manisha Gupte Holmes 2014-16 (NYU)

Medical student research:

Jesse Thon, 2011-12, Effects of seizures on sleep and learning.

Andrew Rose, Jun-August 2001; Rose AB, McCabe PH, Gilliam FG, Smith BJ, Boggs JG, Ficker DM, Moore JL, Passaro EA, Bazil CW; for the Consortium for Research in Epilepsy (CoRE). Occurrence of seizure clusters and status epilepticus during inpatient video-EEG monitoring. *Neurology* 2003;60:975-978.

Courtney Coursey, June-August 2000, Analysis of the effects of new antiepileptic drugs on EEG activity in patients with diagnosed epilepsy

Christopher Anderson, June-August 1999, effects of status epilepticus on sleep.

Sc.D.

Tzena Smith, 2009 (Tulane University School of Public Health and Tropical Medicine; “Determinants of health system utilization in a national sample of patients with epilepsy.”)

Media appearances

Reuters RE jet lag, June 29, 2016: <http://www.reuters.com/video/2016/06/29/how-snoring-can-kill-you?videoId=369113885&videoChannel=118240>

Reuters RE sleep apnea, June 17, 2016: <http://www.reuters.com/video/2016/06/16/how-to-beat-jet-lag?videoId=368945407&videoChannel=118240&channelName=Health+Watch>

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