

GREGORY S. CARTER, M.D., Ph.D.
Associate Professor of Neurology
Department of Neurology and Neurotherapeutics
UT Southwestern Medical Center

PERSONAL

Place of birth	Omaha, Nebraska
Citizenship	United States of America
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EDUCATION

Undergraduate

<i>1971</i>	<i>Hamline University</i>	<i>BA</i>
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Graduate or medical school

<i>1975</i>	<i>West Virginia University Medical School</i>	<i>MD</i>
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Other postgraduate education

<i>1985</i>	<i>West Virginia University Medical School</i>	<i>PhD</i>
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BOARD CERTIFICATION and LICENSURE

<i>1984</i>	<i>Texas State Board of Medical Examiners</i>
<i>1984</i>	<i>American Board of Psychiatry and Neurology (Neurology)</i>
<i>1985</i>	<i>American Board of Clinical Neurophysiology</i>
<i>1997-2007</i>	<i>American Board of Psychiatry and Neurology (Added Qualifications in Clinical Neurophysiology)</i>

2002	<i>American Board of Sleep Medicine</i>
2007-2017	<i>American Board of Psychiatry and Neurology (Maintenance of Certification - Added Qualifications in Clinical Neurophysiology)</i>
2009-2019	<i>American Board of Psychiatry and Neurology (Sleep Medicine)</i>
2019	<i>American Board of Psychiatry and Neurology (Maintenance of Certification - Sleep Medicine)</i>

ACADEMIC APPOINTMENTS

1981-1984	<i>West Virginia University Medical School Clinical Assistant Professor of Neurology</i>
1984-2000	<i>University of Texas Southwestern Medical Center at Dallas Assistant Professor of Neurology</i>
2001-present	<i>University of Texas Southwestern Medical Center at Dallas Associate Professor of Neurology</i>

HOSPITAL or AFFILIATED INSTITUTIONAL APPOINTMENTS

1984	<i>Veterans Affairs Medical Center Staff Neurologist</i>
1987-1992	<i>Veterans Affairs Medical Center Assistant Chief, Neurology Service</i>
1989-1992	<i>Veterans Affairs Medical Center Chief, Regional Epilepsy Center</i>
1992-1993	<i>Veterans Affairs Medical Center Acting Associate Chief of Staff for Operations and Education</i>
1993-1997	<i>Veterans Affairs Medical Center Acting Chief, Neurology Service</i>
1997-2007	<i>Veterans Affairs Medical Center Chief, Neurology Section, Medical Service</i>
2007-2009	<i>Veterans Affairs Medical Center Chief, Neurology and Sleep Medicine Section, Medical Service</i>
2009-present	<i>University Hospital Clements</i>

Staff Physician, Sleep and Breathing Disorders Center

ADMINISTRATIVE RESPONSIBILITIES, COMMITTEES and SERVICE

Department

1994-present *Neurology Education Committee*

Medical School

2010-2011 *Co-Chair, Clinical Subcommittee of the Collaborative Sleep Medicine Workgroup, UT Southwestern*

2009-2016 *Interviewer for UT Southwestern Medical School Admissions Committee*

2014-present *Faculty Advisor and Sponsor, The Lymph Notes (medical student chorale)*

2017-present *Faculty Advisor and Sponsor, Celebration of the Cultures (annual medical student extracurricular variety show in the Student Center gym)*

Hospital

1989-1996 *Chair, Medical Records Committee, Veterans Affairs Medical Center*

1990-1993 *Chair, Human Studies Subcommittee, Veterans Affairs Medical Center*

1993-1996 *Chair, Pharmacy and Therapeutics Committee, Veterans Affairs Medical Center*

CLINICAL ACTIVITIES

Clinical practice and past clinical contributions

1984-1989 *Staff neurologist at the Dallas Veterans Affairs Medical Center*

1989-1992 *Chief of the Regional Epilepsy Center based at the Dallas Veterans Affairs Medical Center providing and directing epilepsy care for veterans in north Texas, Oklahoma, Louisiana, and states as far as Idaho.*

1993-2009 *Chief of the Neurology Section at the Veterans Affairs Medical Center directing neurologic care for 100,000 enrolled veterans, and establishment of a six-bed sleep center and sleep medicine clinic at the Dallas Veterans Affairs Medical Center*

2012-2017 *Intra-operative monitoring physician for Zale-Lipsy University Hospital, providing remote monitoring supervision for approximately 100 surgical cases per year*

2011-2016 *Attending physician, Parkland Neurology Resident Continuity Clinic with*

one clinic monthly

2010-present Attending physician, Clements University Hospital Neurology Consult Service, providing inpatient services for 4 weeks per year

2007-present Attending physician, sleep medicine clinic at the Clinical Center for Sleep and Breathing Disorders for three half-days

EDUCATIONAL ACTIVITIES and RESPONSIBILITIES

Current and Past Teaching Responsibilities

1884-1992 Clinical small group teaching of neurology residents, neurophysiology fellows, and medical students in the neurology clerkship at the Veterans Affairs Medical Center

1992-1993 Acting Associate Chief of Staff for Operations and Education overseeing all residents in training at the Dallas Veterans Affairs Medical Center and all other educational programs for employees and patients

1993-2009 Site Director for the Dallas Veterans Affairs Medical Center for the neurology residency program and neurology clerkship developing these rotations into favored educational experiences for both residents and students. This included monthly lectures to medical students entering neurology clerkship rotations on the neurological exam.

2002-2009 Co-Director, (AASM initial accreditation in 2002 with subsequent ACGME accreditation in 2006) UT Southwestern Sleep Medicine Fellowship Program was established by Dr. Carter with Philip Becker, MD and John Herman, PhD for the training of fellows in sleep medicine at the VA Medical Center, Children's Medical Center and Presbyterian Hospital Dallas (19 fellows trained prior to transition of fellowship to St. Paul University Hospital)

2009-2017 Psychiatry geriatric fellow didactics lectures annually covering sleep medicine

2009-2017 Clinical Medicine course for the sophomore medical students covering the entire scope of sleep pathologies including sleep disordered breathing Neurology didactics small course coordinator covering sleep, metabolic disease, cerebral infections, and neoplasms

2010-present Small group teaching of clerkship rotations on Clements University Hospital Neurology Consult Service for four weeks per year (six weeks prior to 2017)

2008-present

Program Director, ACGME accredited UT Southwestern Sleep Medicine Fellowship Program (re-established by Dr. Carter from the prior fellowship program with applications for both accreditation and funding) at the Clinical Center for Sleep and Breathing Disorders of Clements University Hospital, Children's Health Sleep Disorders Center, and, most recently, the VA North Texas Health Care System's Sleep Center. The fellowship program has been increased from a single fellow in 2015-2016 academic year to three fellows in the 2019-2020 academic year. Dr. Carter provides 25 hours of didactic lectures to the fellows and rotating residents and 90 hours of small group/individual instruction plus evaluation discussions and career development discussions per academic year.

June, 2016

New Resident and Fellow Orientation lecture on Sleep Deprivation and Fatigue Mitigation

June 20, 2018

Neurology Boot Camp lectures, Fatigue and Stress Management and Careers in Neurology – Sleep Medicine

Clinical Fellows Co-Mentored (Selection from greater than thirty individuals)

1994-1995	Nabat Jetha, MD	Neurophysiology Fellow	Neurology Private Practice 1995-1997
1996-2000	Daniel Krampitz, MD	Neurophysiology Fellow	VAMC Neurology Faculty 1997-2000; Private Practice 2000-present
2001-2003	Syed Munzir, MD	Neurophysiology and Sleep Medicine Fellow	Neurology Private Practice Illinois 2003-present
2003-2004	Supat Thammasitboon, MD	Sleep Medicine Fellow	Tulane Pulmonary Faculty and Program Director 2004-present
2003-2004	Daniel Taylor, PhD	Sleep Medicine Fellow	Univ. North Texas Psychology Faculty 2004-present
2004-2005	George Stephen, MD	Sleep Medicine Fellow	VAMC Internal Medicine Faculty 2005-present
2004-2005	Eskander Getachew, MD	Sleep Medicine Fellow	Neurology Private Practice Ohio 2005-present
2005-2006	Brent Stevenson, DO	Sleep Medicine Fellow	Clinical Faculty UTSW Psychiatry 2007-present
2008-2009	Tang Kuang, MD, PhD	Sleep Medicine Fellow	VAMC Sleep Faculty 2009-present
2008-2009	Muhammad Sattar, MD	Sleep Medicine Fellow	PMH Ambulatory Care 2009-present
2015-2016	Safia Khan, MD	Sleep Medicine Fellow	Faculty, Dept. of Family and Community Medicine, UTSW 2016-present
2016-2017	Elisa Basora-Rovira, MD	Sleep Medicine Fellow	Faculty, Dept. Pediatrics, UTSW 2017-present
2016-2017	Anna Wani, MD	Sleep Medicine Fellow	Faculty, Dept. of Family and Community Medicine, UTSW 2017-present

2019- Abha Patel, DO Sleep Medicine Faculty, Dept. of Internal
2020 Fellow Medicine
UTSW 2019-present

Fellow Faculty Co-Mentored

2006- Olaf Stuve, MD, PhD Junior VAMC faculty Chief, VAMC Neurology
2009 Section
Doris Duke grant recipient

OTHER PROFESSIONAL ACTIVITIES OR POSITIONS

2011-2015 *President, Southern Sleep Society (Responsible for the planning and organization of the annual meetings. Organized professional meetings in Dallas, Memphis, and New Orleans with 250 attendees and greater than 20 speakers from across the nation)*

MAJOR COMMUNITY SERVICE ORGANIZATIONS

2008-2017 *Chair, Board of Directors, Oak Lawn Community Outreach Center, Dallas, Texas*

PROFESSIONAL SOCIETIES

2010-2015 *President, Southern Sleep Society*

1980-present American Academy of Neurology
1984-present American Epilepsy Society
1985-present Dallas County Medical Society
1985-present Texas Medical Association
1985-present Texas Neurological Society
1993-present American Heart Association Stroke Council (fellow)
1993-present American Association of Neuromuscular and Electrodiagnostic Medicine
1996-present American Academy of Sleep Medicine (fellow)
1998-present American Medical Association
2014-2018 American Society of Neurophysiologic Monitoring

EDITORIAL RESPONSIBILITIES

2008-2017 *Reviewer for Archives of Neurology*

RESEARCH REVIEW ACTIVITIES

Chair, Institutional Review Board, Dallas VA Medical Center 1990-1993

INVITED LECTURES (in 2016-2019 alone)

4/9/2016	38 th Annual Meeting of the Southern Sleep Society	Atrial Fibrillation, Stroke, and the Role of Obstructive Sleep Apnea
10/8/2016	Ninth Annual Meeting of the Texas Society of Sleep Professionals	Stroke Risk and Causation in Patients with Obstructive Sleep Apnea
2/26/2017	20 th Annual Winter Conference of the Texas Neurological Society in Austin, Texas	The Many Neurologic Complications of Obstructive Sleep Apnea
3/26/2017	39 th Annual Meeting of the Southern Sleep Society in Houston, Texas	The Prevalence of Undiagnosed OSA, the Cost, and What We Can Do
3/25/2018	40 th Annual Meeting of the Southern Sleep Society in Hilton Head, South Carolina	Struggles in the Educational Pipeline: Sleep Medicine Training Program Development Since 2016
3/22/2019	41 st Annual Meeting of the Southern Sleep Society in Fort Worth, Texas	Delayed Sleep-Wake Phase Disorder
6/18/2019	2 nd Global Experts Meeting on Psychiatry and Mental Health in Rome, Italy	The Underrecognized Potential for Subspecialty Training in Sleep Medicine Among Psychiatric Trainees

RESEARCH SUPPORT (Grants, contracts, gifts)

Previous Funding

Principal Investigator, Veterans Administration Cooperative Study on the Efficacy and Toxicity of Carbamazepine versus Valproic Acid for Partial Seizures. (\$137,260); 1985-1991. (percent effort - 20%)

Principal Investigator, The Glutamate/Glutamine Cycle in Epileptogenesis. Research Advisory Group. Veterans Administration (\$49,200); 1985-1987. (percent effort - 25%)

Principal Investigator, The Glutamate/Glutamine Cycle in Epileptogenesis. Veterans Administration Merit Review (\$66,000); 1987-1990. (percent effort - 20%)

Principal Investigator, The Double-Blind Parallel Comparison of three Doses of Topiramate (Mid to High Range) and Placebo in Refractory Partial Epilepsy. McNeil Pharmaceutical; 1987-1989. (percent effort - 20%)

Co-investigator, Plasma GABA: Biological Marker for Alcoholism? National Institute for Alcoholism and Alcohol Abuse (\$173,929); 1988-1990. (percent effort - 20%)

Principal Investigator, Long-term Open Extension Topiramate in Epilepsy. McNeil Pharmaceutical, 1989 (percent effort - 10%)

Principal Investigator, Double-Blind, Parallel Placebo-Controlled Comparison of Topiramate in the Treatment of Partial Seizures Followed by Topiramate Single Therapy as Accomplished by the Withdrawal of Concomitant Tegretol or Dilantin. R.W. Johnson Pharmaceutical Research Institute, 1990 (percent effort - 10%)

Co-Investigator, ASA and Carotid Endarterectomy (ACE). National Institute of Neurological Disorders and Stroke (NINDS). 1994 (percent effort - 15%)

Principal Investigator, Evaluation of the Efficacy and Safety of Eliprodil in Patients with Acute Ischemic Stroke. Lorex Pharmaceuticals. 1995. (percent effort - 15%)

Principal Investigator, VA Cooperative Study #428, Treatment of Seizures in the Elderly Population. Veterans Affairs, 1997-2003 (percent effort - 25%)

Principal Investigator, Pregabalin BID Add-On Trial: A Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multicenter Study in Patients with Partial Seizures. Parke Davis. 1998 (percent effort - 10%)

Co-investigator, Methodology of Sleep Apnea assessment: Comparison of Level 1 Polysomnogram and the LifeShirt System and Feasibility Study: Life Shirt System for In-home Assessment. Vivometrics. 2001-2002 (percent effort - 20%)

Co-investigator, The Effects of Maximal Effort Exercise for Deconditioned Persons with Multiple Sclerosis. Department of Defense. 2003-2004 (percent effort - 20%)

Co-investigator, Biofeedback Treatment of Apraxia of Speech Following Stroke. VA Merit Review. 2005-8 (percent effort - 10%)

Co-Investigator, Carotid Revascularization Endarterectomy Versus Stenting Trial (CREST). National Institute of Neurological Disorders and Stroke (NINDS). 2005-2008 (percent effort - 15%)

Current Funding

None

Pending

None

BIBLIOGRAPHY

Peer Reviewed Reports

1. Mattson RH, Cramer JA, Collins JF, McCutchen CB, Mamdani MB, Davenport J, Lubozynski MF, Ramsey RE, **Carter GS**, Rowan AJ, Shin C, Browne TR, Ebersole JS, Treiman DM, Warner JJ, Smith DB, Fish SL, Rubino FA, Salinsky M, Scheyer RD, Wilder BJ: A comparison of valproate with carbamazepine for the treatment of partial seizures and secondarily generalized tonic-clonic seizures in adults. *N Eng J Med* 1992;327:765-771.
2. Delaney RC, Prevey ML, Cramer JA, Mattson RH and the VA Epilepsy Cooperative Study #264 Group: Test-retest comparability and control subject data for the Rey-Auditory verbal learning test and Rey-Osterreith/Taylor complex figures. *Archives of Clinical Neuropsychology* 1992;7:1-6
3. Privitera M, Fincham R, Penry J, Reife R, Kramer L, Pledger G, Karim R and the Topiramate YE Study Group: Topiramate placebo-controlled dose ranging trial in refractory partial epilepsy using 600, 800, 1000 mg daily dosages. *Neurology* 1996;46:1678-1683.
4. Mattson, R.H., Cramer, J.A., Collins, J.F., Browne, T.R., Crill, W.E., Homan, R.W., **Carter, G.S.**, Mayersdorf, A., Davenport, J., Lubozynski, M.F., Williamson, P.D., Ebersole, J.S., Scheyer, R.D., McCutchen, C.B., Mamdani, M.B., Rubino, F.A., Ramsay, R.E., Rowan, A.J., Salinsky, M., McNamara, J.O., Shin, C., Smith, D.B., Treiman, D.M., Delgado-Escueta, A.V., Rosenthal, N.P., Warner, J.J., and Wilder, B.J.: Prognosis for total control of complex partial and secondarily generalized tonic clonic seizures. *Neurology* 1996; 47(1): 68-76
5. Prevey ML, Delaney RC, Cramer JA, Cattanach L, Collins JF, Mattson RH for the Department of Veterans Affairs Epilepsy Cooperative Study 264 Group: Effect of valproate on cognitive functioning. *Archives of Neurology* 1996;53:1008-1016
6. Taylor DW, Barnett HJM, Haynes RB, Ferguson GG, Sackett DL, Thorpe KE, Simard D, Silver FL, Hachinski V, Clagett GP, Barnes R, Spence JD for the ASA and Carotid Endarterectomy (ACE) Trial Collaborators: Low-dose and high-dose acetylsalicylic acid for patients undergoing carotid endarterectomy: a randomized controlled trial. *Lancet* **1999**;353: 2179-2184
7. **Carter GS**, Coyle MA, and Mendelson WB: Validity of a Portable Cardio-Respiratory System to Collect Data in the Home Environment in Patients with Obstructive Sleep Apnea. *Sleep and Hypnosis* 2004; 6:
8. Rowan AJ, Ramsey RE, Collins JF, Prior F, Boardman KD, Uthman BM, Spitz M, Frederick T, Towne A, **Carter GS**, Marks W, Felicetta J, Tomyanovich ML, and the VA Cooperative Study 428 Group: New Onset Geriatric Epilepsy. A randomized study of gabapentin, lamotrigine, and carbamazepine. *Neurology* 2005;64(1): 1868-1873
9. Katz WF, **Carter GS**, and Levitt JS: Treating buccofacial apraxia using augmented kinematic feedback. *Aphasiology* 2007; 18(1)
10. Dubey D, Freeman M, Neeley OJ, and **Carter G**: Encephalopathy following melphalan

administration. *J Chemother.* 2015; Jan 11:1973947814Y0000000231

11. **Carter, GS:** Screening for improvement of health outcomes in asymptomatic obstructive sleep apnea (Editorial). *JAMA Neurol.* 2017;74(4):394-396. doi:10.1001/jamaneurol.2016.5975
12. **Carter GS, Khawaja IS and St. Louis EK:** Subspecialty Training in Sleep Medicine for Psychiatrists. *Psychiatric Annals.* 2018;48(11):520-523. doi:10.3928/00485713-20181015-01

Invited Reviews and Chapters

Carter, GS and Hamdan H. Insomnia and Caffeine in **Comorbid Sleep and Psychiatric Disorders: A Clinical Casebook**, Khawaja I and Hurwitz T, Ed. (June, 2019) Springer, New York

Carter GS and Auger RR. Delayed Sleep-Wake Phase Disorder (Chapter 6) in **Circadian Rhythm Sleep-Wake Disorders**, Auger RR, Ed. Approved for publication, 2020. Springer, New York

Books

None

Other Scholarly Reports

None

Abstracts

1. Schoepp D, **Carter** GS, Azzaro AJ: In vivo specificity of deprenil and clorgyline for the multiple forms of monoamine oxidase in rat striatum. *Neurology* 1980;30:451.
2. Azzaro AJ, Schoepp DD, **Carter** G, King J: Cellular sites for post-synaptic dopamine metabolism in rat striatal slices by type A and type B monoamine oxidase. *Soc Neurosci Abs* 1982;8:889.
3. Azzaro AJ, **Carter** GS, Frost J, Liccione J, Kotzuk J, King J, Schoepp DD, Schochet S: Kinetic properties of type A and type B monoamine oxidase and the metabolism of striatal dopamine. *Soc Neurosci Abs.* 1983;9:1003.
4. Hostetler WE, Doller HJ, **Carter** GS, Homan RW: Clinical assessment of a computer program for detection of epileptic spikes. *Electroenceph. Clin. Neurophysiol.* 1986;64:38.
5. **Carter** GS, Warner J: The effect of amygdala kindling to three successive stage 5 seizures on glutamine synthetase activity in rat brain. *Epilepsia* 1987;28:594.
6. Mattson RH, VA Epilepsy Cooperative Study Group: Study design for a multicenter antiepileptic drug trial of carbamazepine versus valproate. *Epilepsia* 1987;28:605.
7. Prevey ML, Delaney RC, Mattson RH, Cramer JA and the VA Epilepsy Cooperative Study Group: Cognitive functioning in seizure patients prior to treatment with antiepileptic drugs. *Epilepsia* 1988;29:692
8. Leroy R, Homan R, Devous M, Rao K, **Carter** G, Ajmone A, Mickey B, Finn S, Bonte F: Regional cerebral blood flow using SPECT in partial seizure patients investigated with depth electrodes and

- treated with temporal lobectomy. *Epilepsia* 1988;29:677.
9. **Carter** GS, Warner JC: Elevation of glutamine synthetase activity in the ipsilateral hippocampus following epileptogenic amygdalar FeCl₂ lesioning. *Epilepsia* 1988;29:683.
 10. **Carter** GS, Azzaro AJ: Significance of the difference in time of appearance during development of the A and B forms of monoamine oxidase in the rat striatum. *Soc Neurosci Abs.* 1988;14:417.
 11. Prevey ML, Delaney RC, Mattson RH, Cramer JA, VA Epilepsy Cooperative Study Group: Cognitive functioning in seizure patients prior to treatment with antiepileptic drugs. *Epilepsia* 1988;29:692.
 12. **Carter** GS, Warner JC: Acceleration of appearance of Stage 5 seizures in amygdalar kindling after intraventricular methionine sulfoximine. *Epilepsia* 1989;30: 702
 13. **Carter** GS, Azzaro AJ: Reappearance of MAO type A and type B in the rat striatum after irreversible inhibition. *Soc Neurosci Abs.* 1989;15:108.
 14. Warner JC, **Carter** GS: A computer-automated, multichannel kindling system designed to generate and monitor kindling-induced spontaneous seizures in rats. *Epilepsia* 1990;31:631.
 15. Doller HJ, Homan RW, **Carter** G, Hostetler W, Peterson LL: EEG report generator: A physician's assistant. Presented at the meetings of the American Electroencephalographic Society in 1990.
 16. Cramer JA, Scheyer RD, Hochholzer JS, Mattson RH, VA Epilepsy Cooperative Study #264 Group: Carbamazepine assay cross-reactivity. *Neurology* 1990;40(Suppl.1):138.
 17. Prevey ML, Cramer JA, Delaney RC and Mattson RH: Behavioral toxicity battery for antiepileptic drug trials. *Epilepsia* 1990;31:656
 18. Treiman DM, VA Cooperative Epilepsy Study Group: Genetics of symptomatic partial epilepsy. *Epilepsia* 1990;31:819.
 19. Cramer JA, Scheyer RD, Hochholzer JS, Mattson RH and the VA Epilepsy Cooperative Study Group: Carbamazepine concentrations and adverse effects. *Epilepsia* 1991;32:14
 20. Mattson RH, Cramer JA, Collins JF, and the VA Epilepsy Cooperative Study #264 Group: Comparison between carbamazepine and valproate for complex partial and secondarily generalized tonic clonic seizures. *Epilepsia* 1991;32(Suppl.3):18.
 21. Cramer JA, Scheyer RD, Hochholzer JS, Mattson RH, and the VA Epilepsy Cooperative Study No. 264 Group. Carbamazepine concentrations and adverse effects. *Epilepsia* 1991;32(Suppl.3):14.
 22. Mattson RH, Cramer JA, VA Epilepsy Cooperative Study Group: Seizure remission in adults with epilepsy. *Neurology* 1992;42(Suppl.3):243.
 23. Cramer JA, Mattson RH, VA Epilepsy Cooperative Study #264 Group: Laboratory test abnormalities during long-term use of carbamazepine and valproate. *Neurology* 1992;42(Suppl.3):331.
 24. Prevey ML, Delaney RD, Cramer JA, Mattson RH, Collins JF, Catanach L and the VA Cooperative Study Group 264: Valproate versus carbamazepine: Comparison of effects on cognitive functioning. *Epilepsia* 1992;33(Suppl.3):110

25. Cramer JA, Mattson RH and the VA Epilepsy Cooperative Study #118 and #264 Groups: Same prognosis for seizure control for patients grouped by pure or predominant seizure type. *Epilepsia* 1993;34 (Suppl 6):50.
26. Mattson RH, Cramer JA, VA cooperative Study #118 and #264 Groups: Control of complex partial and tonic-clonic seizures for one year after starting treatment. *Epilepsia* 1993;34 (Suppl 6):50.
27. Mattson RH, Cramer JA, Collins JF and the VA Epilepsy Cooperative Study #264 Group: Carbamazepine or valproate for secondarily generalized tonic-clonic seizures. *Epilepsia* 1994;35(Suppl. 8):145
28. Collins J, Cramer J, Mattson R and the VA Epilepsy Cooperative Study Groups 118 and 264: Comparison of systemic and neurologic effects of standard antiepileptic drugs. *Epilepsia* 1997;38(Suppl. 8):88
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30. Scheuer ML, Scheyer RD, Cramer JA and the DVA Coop Study Group 264: Linearity of unbound valproate acid kinetics. *Epilepsia* 1997;38(Suppl. 8):103
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32. Pryor FM, Ramsey RE, Rowan AJ, Collins JF, and the VA Coop Study Group 428: Treatment of seizures in the elderly: Demographics, diagnosis, and retention. *Epilepsia* 1999;40(Suppl. 7):106
33. Pryor FM, Ramsey RE, Rowan AJ, Collins JF, and the VA Coop Study Group 428: Diagnostic, demographic and retention issues in managing seizures in older patients. *Neurology* 2000;54(Suppl. 3):A84-A85
34. Johnson J, Pryor FM, Ramsey RE, Rowan AJ, and DeToledo J for the VA Coop Study Group 428: Clinical trials: Recruitment challenges in the elderly. *Epilepsia* 2000;41(Suppl. 7):109
35. Spitz MC, Bainbridge JL, Ramsey RE, Uthman BM, Pryor FM, and Smith B for the VA Coop Study Group 428: Observations on the delay in the diagnosis of seizures in the elderly. *Epilepsia* 2000;41(Suppl. 7):109
36. Ramsey, RE, Rowan AJ, Pryor FM, Collins JF and the DVA Coop Study Group 428: Seizures in the older patient: Demographics, diagnosis, and treatment. *Epilepsia* 2000; 41(Suppl. 7): 172-173
37. Johnson J, Pryor FM, Ramsay RE, Rowan AJ, DeToledo J, VA Coop Study Group #428: Recruitment of Elderly Patients in Clinical Trials. *Epilepsia* 2001; 42(Suppl.7): 142
38. Pryor FM, Ramsay RE, Rowan AJ, Resillez M, VA Coop Study Group #428. Utility of Extended EEG Recordings in the Diagnosis of Epilepsy in the Elderly. *Epilepsia* 2001; 42(Suppl.7): 27
39. Rowan AJ, Ramsay RE, Pryor FM, Collins JF, Smith B, VA Coop Study Group #428. Seizures in the Elderly Population: Interim Report of VA Cooperative Study #428. *Epilepsia* 2001; 42(Suppl.7): 143
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43. Ramsey RE, Rowan AJ, Pryor FM, Collins JF and the DVA Coop Study Group 428. Treatment of Seizures in the Elderly: Final Analysis From DVA Cooperative Study 428. *Epilepsia* 2003; 44(Suppl. 9):170
44. Spitz MC, Bainbridge JL, Winzenburg KV, Ramsey RE, Pryor FL, Uthman BM, Smith B, Edwards S, Johnson, J, Wilson A, Stocco A and the DVA CSP 428 Study Group. Observations on the Delay in Diagnosis of Seizures in the Elderly: Update 3. *Epilepsia* 2003; 44(Suppl.9):18
45. Katz W, Levitt J and **Carter G**: EMA biofeedback treatment of oral apraxia in an apraxic-aphasic adult. *Brain and Language* 2003;87:175-176
46. Coyle M, **Carter G**, Horsager AM, Mendelson WB: Validation Of An Autoscoring Algorithm To Detect Obstructive Sleep Apnea. *Sleep* 2003; 26:A395
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49. Kim J, Makam A, Nguyen O, Cheng R, Munn L, **Carter G**, Hays R, and Lee W: Positive Airway Pressure Adherence in Adult Patients with Obstructive Sleep Apnea and Down Syndrome: *Sleep* 2014; 37(Abtract Supplement):0345 – p. A123
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51. Khan SS, Shaheed K, Williams BJ, Naqvi KKN, Ortstadt JL and **Carter GS**: New onset sleep paralysis in a 13 year old girl with mildly elevated serum levels of oxcarbazepine that promptly subsided with dose reduction. *Sleep* 2016; 39 (Abstract Supplement): 1128-p.A403
52. Wani A, Basora E, Hays R, and **Carter G**: Non-REM Parasomnias As The Presenting Symptom Of Narcolepsy Without Cataplexy . *Sleep* 2017; 40 (Abstract Supplement): A462
53. Basora E, Wani A, Varghese, R, **Carter G** and Khawaja I: Non-Suicidal Ingestion Of High Dose Anti-Histamine In A 57 Year-Old Women With Insomnia And Restless Leg Syndrome. *Sleep* 2017; 40 (Abstract Supplement): A462

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