

PROFESSIONAL VITA

Van Strickland Miller, MD, PhD

Neuroscience Program
Behavioral and Brain Sciences
University of Texas at Dallas
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Richardson, TX 75080-3021

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EDUCATION:

Undergraduate:

University of Georgia 1973-1977
Athens, Georgia
Degree: B.A. - Physiological Psychology
Magna Cum Laude

Graduate:

University of Texas at Austin 1977-1983
Austin, Texas
Degree: PhD - Neuroscience

Medical School:

University of Texas Medical Branch 1983-1986
Galveston, Texas
Degree: MD

POSTDOCTORAL TRAINING:

Pediatric Internship and Residency:

University of Texas Medical Branch 1986-1988
301 University Boulevard, Galveston, Texas 77555

Neurology Residency:

North Carolina Baptist Hospital 1988-1990
Medical Center Boulevard, Winston-Salem, NC 27157

Pediatric Neurology Fellowship:

University of North Carolina Hospital 1990-1991
101 Manning Drive, 6002 East Wing, Chapel Hill, NC 27514

EEG/Epilepsy Fellowship:

The University of Texas Southwestern Medical School 1991-1992
5323 Harry Hines, Dallas, Texas 75235

PROFESSIONAL LICENSURE:

Texas State Medical License No. H2609 exp. 2/28/01
North Carolina State Medical License No. 32796 1988
Texas DPS No. 20078782; exp. 1991
DEA No. BM1768689 exp. 1991
Medical malpractice carrier Lawrenceville 500,000/1,500,000 exp. 9/1/01

BOARD CERTIFICATION:

Board-Certified in Pediatrics 1991
Certificate No. 47307
Recertified 1997

Board-Certified in Neurology with special 1994
qualification in child neurology. Certificate number 918
Recertification not required

PROFESSIONAL APPOINTMENTS:

Research Assistant, Department of Psychology 1977-1981
University of Texas at Austin

Teaching Assistant, Department of Psychology 1978-1982
University of Texas at Austin

Assistant Instructor, University of Texas at Austin 1983
Courses taught: Physiological Psychology, Biopsychology,
Learning and Motivation, Animal Learning, Introduction to
Psychology

National Institutes of Health Short-term Training Course, 1984
Marine Biomedical Institute, Galveston, Texas

Research Associate, Marine Biomedical Institute 1984-1986
University of Texas Medical Branch, Galveston, Texas

Assistant Professor, Division of Pediatric Neurology 1991-
1997
The University of Texas Southwestern Medical Center, Dallas, Texas

Director, Neonatal Neurophysiology 1993-2000
Parkland Memorial Hospital, Dallas, Texas

Assistant Professor, Division of Pediatric Neurology 1991-
1997

The University of Texas Southwestern Medical Center, Dallas, Texas

Associate Professor, Division of Pediatric Neurology The University of Texas Southwestern Medical Center, Dallas, Texas	1997-2000
Medical Director, Carter Centers for Holoprosencephaly and Related Brain Malformations, Texas Scottish Rite Hospital, Dallas	1997-2001
Private practice, Texas Child Neurology	2000-2008
Medical Reviewer, Intracorp, division of Cigna	2002-2006
Senior Lecturer, Department of Neuroscience, University of Texas present at Dallas	2008-
Medical Director, Neurodiagnostic Technology program, Concorde University, Arlington, TX	2012-present

PROFESSIONAL MEMBERSHIPS:

	Date joined:
Epilepsy Society of America	1991
Child Neurology Society	1993
American Academy of Neurology, No. 15827	1992
Lowe Syndrome Advisory Board	2004
Texas Medical Society/AMA	2001

RESEARCH INTERESTS:

Neonatal neurology, developmental neurobiology, behavioral teratology, ontogeny of learning in humans and animals, neuroepidemiology, developmental defects of brain, autism

TEACHING:

Child Neurology Excellence in Teaching Award, 1993, 1996, 1998
Medical Education Committee 1991- 2000
Teaching Award, Brain and Behavioral Sciences, UT Dallas, 2010
President's Teaching Award, UT Dallas, 2012

PUBLICATIONS:

Articles and Chapters:

1. **Miller V, Domjan M:** Specificity of cue to consequence in aversion learning in the rat: control for US-induced differential orientations. *Anim Learn Behav* 1981;9:339-345.

2. **Miller V**, Domjan M: Selective sensitization induced by lithium malaise and footshock in rats. *Behav Neural Biol* 1981; 31:42-55.
3. Domjan M, **Miller V**, Gemberling G: Note on aversion learning to the shape of food by monkeys. *J Exp Anal Behav* 1982;1:20-24.
4. **Miller V**, Bigler E: Neuropsychological aspects of tuberous sclerosis. *Clin Neuropsychol* 1982;4:26-34.
5. **Miller V**: Taste aversion conditioning and predator control. *J North Amer Wolf Society* 1983;8:14-27.
6. Spears M, Dobbins J, **Miller V**: Occupational exposures and brain cancer mortality: a preliminary study of East Texas residents. *Amer J Industrial Med* 1988;13:629-638.
7. Donofrio P, Stanton C, **Miller VS**, Oestreich L, Lefkowitz DS, Walker FO, Ely W: Demyelinating polyneuropathy in eosinophilia-myalgia syndrome. *Muscle & Nerve* 1992;15:796-805.
8. **Miller V**: Craniocervical myelopathy associated with Haemophilus influenzae: MRI findings. *Neurology* 1992;42:121-122.
9. **Miller V**, Roach ES: Embolization and radiosurgical treatment of cerebral arteriovenous malformations. *Int Pediatr* 1992;7:173-180.
10. **Miller V**: Pharmacologic management of neonatal cerebral ischemia and hemorrhage: Old and new directions. *J Child Neurol* 1993;8:7-18.
11. **Miller V**, Delgado M, Iannaccone S: Neonatal hypotonia. *Sem Neurol* 1993;13:73-83.
12. **Miller V**, Zweiner RJ, Fielman BA. Interferon-associated refractory status epilepticus. *Pediatr* 1994;93:511-512.
13. **Miller V**, Packard AM. Cerebral resuscitation. In D. Levin and F. Morriss (eds.), *Essentials of Pediatric Intensive Care*, 2nd ed., St. Louis: Quality Medical Publishing, 1997.
14. **Miller V**. Metabolic encephalopathy. In D. Levin and F. Morriss (eds.), *Essentials of Pediatric Intensive Care*, 2nd ed., St. Louis: Quality Medical Publishing, 1997.
15. **Miller V**, Singh B, Farrell, M. Brain death. In D. Levin and F. Morriss (eds.), *Essentials of Pediatric Intensive Care*, 2nd ed., St. Louis: Quality Medical Publishing, 1997.
16. Sparagana S, **Miller VS**, Roach ES. Disorders of consciousness. In D. Levin and F. Morriss (eds.), *Essentials of Pediatric Intensive Care*, 2nd ed., St. Louis: Quality Medical Publishing, 1997.
17. **Miller VS**. Neurology of the Newborn. In R. Rosenberg and D. Pleasure (eds.), *Comprehensive Neurology*, 2nd ed., New York: Wiley Press, 1998.
18. **Miller VS**. Cerebrovascular causes of cerebral palsy. In G. Miller and G. Clark (eds.), *The Cerebral Palsies*, Newton, MA: Butterworth-Heinemann, 1998.
19. Packard AM, **Miller VS**. Schizencephaly: Clinical and radiographic features, *Neurol* 1997;48:1427-1434.
20. **Miller VS**, Packard AM. Paroxysmal downgaze in term newborn infants. *J Child Neurol* 1998;13:294-295.
21. **Miller VS**, Roach ES. Neurocutaneous disorders. In *Neurology in Clinical Practice*, Ed. by Bradley, W.G., Daroff, R.B., Fenichel, G.M., and Marsden, C.D. Butterworth Heinemann, 2000.
22. **Miller VS**. Hypertonia, hyperreflexia, and excessive startle response in a neonate. In *Semin Pediatr Neurol*, 1999;6:158-163.
23. Torres OA, **Miller VS**, Hyland K, Buist NRM. Folinic acid-responsive intractable neonatal seizures associated with an unidentified CSF compound. *J Child Neurol*. 1999 Aug;14(8):529-32.

24. Quintero-Del Rio AI, **Miller VS**. Neurologic symptoms in children with systemic lupus erythematosus. *J Child Neurol*. 2000 Dec;15(12):803-7.
25. **Miller VS**. Neonatal cerebral infarction. *Semin Pediatr Neurol*, 2000;7:278-288.
26. Kern JK, **Miller VS**, Cauller PL, Kendall PR, Mehta PJ, Dodd M. Effectiveness of N,N-dimethylglycine in autism and pervasive developmental disorder. *J Child Neurol*. 2001 Mar;16(3):169-73.
27. Simon EM, Hevner R, Pinter JD, Clegg NJ, **Miller VS**, Kinsman SL, Hahn JS, Barkovich AJ. Assessment of the deep gray nuclei in holoprosencephaly. *AJNR* 2000 Nov-Dec;21(10):1955-61.
28. Plawner LL, Delgado MR, **Miller VS**, et al. Neuroanatomy of holoprosencephaly as predictor of function. *Neurol*. 2002;59:1058-1066.
29. Waugh JL, **Miller VS**, Chudnow RS, Dowling MM. Juvenile Huntington disease exacerbated by methylphenidate: case report. *J Child Neurol*. 2008 Jul;23(7):807-9.
30. Nguyen N, Nguyen J, Chang R, Nguyen, Chudnow R, Riela A, So G, Mireles P, Miller VS. Effects of EPA enriched phosphatidylserine-omega-3 (Vayarin) on epileptic children with symptoms of ADHD . American Epilepsy Society, Dec. 12, 2013, Washington DC

Books:

1. Roach ES, **Miller VS**, (eds). *Neurocutaneous Disorders*, Cambridge University Press, 2003.

Abstracts:

1. **Miller V**, Oestreich L, Donofrio P, Walker F, Stanton C: Demyelinating polyneuropathy associated with eosinophilia-myalgia syndrome. *Electroencephalogr Clin Neurophysiol* 1991;79:5.
2. Singh B, Shahwan SA, **Miller V**, Riela AR: Use of botulinum toxin for adductor spasticity in cerebral palsy. *Ann Neurol* 1994;36:513.
3. **Miller V**, Anderson L, Riela AR, Singh B: Nonconvulsive status epilepticus in children. *Ann Neurol* 1994;36:545.
4. **Miller V**, Iannaccone S, Lennon V: Progressive cerebellar ataxia in a child lacking evident neoplasm with seropositivity for Type 1 Anti-neuronal nuclear antibody (ANNA-1, a.k.a. "anti-Hu") and Anti-N-Type voltage-gated Ca²⁺ channel (VGCC) antibody. *Neurol* 1994;44:A209-A210.
5. **Miller V**, Brower MC: Neonatal electrographic seizures. *Pediatr Res* 1994;35:383A.
6. **Miller V**, Packard AM. Paroxysmal tonic downgaze in term neonates: Benign maturational delay. *Pediatr Res* 1995.
7. Perlman J, **Miller V**. Can infants at highest risk for hypoxic ischemic cerebral injury be identified by markers of perinatal distress? *Pediatr Res* 1994;35:385A.
8. Packard AM, **Miller VS**, Delgado M. Schizencephaly: Clinical and radiologic features. *Neurol* 1995;45:A161-A162.
9. Singh B, Byun J-I, **Miller VS**, Riela AR. Incidence of photic stimulation in pediatric EEG. *Epilepsia* 1995;36:110.
10. Levandowski GI, **Miller VS**, Sommerauer JF. The behavioral and neurophysiologic responses to flumazenil in children with acute fulminant hepatic failure and hepatic encephalopathy. *Liver Transplantation & Surgery* 1995.

11. Mimbela RA, Iannaccone ST, **Miller VS**, Burns DK, Mize C. Myotubular myopathy and presumptive fatty acid oxidation defect in a newborn. *J Child Neurol* 1996;11:151.
12. Torres OA, **Miller VS**, Hyland K, Buist NRM. Folinic acid-responsive intractable neonatal seizures associated with an unidentified CSF compound. *Ann Neurol* 1996;40:319.
13. Packard AM, **Miller VS**. Hyperekplexia: A startling cause of the jittery baby. *Neurol* 1997;48:A392.
14. Phillips S, **Miller VS**. Ictal EEG and neurologic outcome in children with nonconvulsive status epilepticus. *Epilepsia*, 1997.
15. Quintero A, **Miller VS**. Neurologic complications of systemic lupus erythematosus in children. *Ann Neurol* 1999;46:540.
16. Mohammadie S, Riela A, Chudnow R, So Gerald, Miller VS. Felbamate in intractable pediatric epilepsy, *J. Pediatr. Epil.* 2:131-35. 2013.

INVITED PRESENTATIONS:

1. *Hypotonia in infancy*. Dallas-Monterrey Medical Meeting, Monterrey, Mexico, June 1992.
2. *Discussing bad news with parents*. Pediatrics and the New Morbidities, Dallas, TX, May 1993.
3. *Neonatal seizures, and Stroke in children*. Department of Pediatrics, Keesler Air Force Base, Biloxi, MS, May 25-26, 1994.
4. *Late effects of head injury in children*. American Academy of Pediatrics, Dallas, TX, Oct. 26, 1994.
5. *Case studies in pediatric neurology*, Faculty, Dinner seminar, American Academy of Neurology, Seattle, WA, May 6, 1995, March 23, 1996.
6. *Cerebral palsy and learning disabilities*. Learning Disabilities Association annual meeting, Dallas, TX, Mar 7, 1996.
7. *Metabolic disorders of the newborn, and Congenital CNS infections*, Fifth Annual Mexican Pediatric Neurology Society meeting, Queretaro, Mexico, May 11-15, 1996.
8. Neurology of the Newborn, Faculty, *Pediatric Neurology*, All-day course at the American Academy of Neurology, Boston, MA, April 18, 1997.
9. Neurology of the Newborn, Faculty, *Pediatric Neurology*, All-day course at the American Academy of Neurology, Minneapolis, MN April 26, 1998.
10. Neurology of the Newborn, Faculty, *Pediatric Neurology*, All-day course at the American Academy of Neurology, Minneapolis, MN April 26, 1999.
11. Neurology of the Newborn, Faculty, *Pediatric Neurology*, All-day course at the American Academy of Neurology, San Diego, CA May 5, 2000.
12. Visual Diagnosis in Child Neurology, course at the American Academy of Neurology, San Diego, CA May 5, 2000.
13. Neurologic aspects of Lowe syndrome. International Lowe syndrome meeting, Minneapolis, MN, June 25, 2004.
14. Neurologic aspects of Lowe syndrome. International Lowe syndrome meeting, San Diego CA, June 23, 2006.
15. Neurologic aspects of Lowe syndrome. International Lowe syndrome meeting, Orlando, FL, June 23, 2008.
16. Neurologic aspects of Lowe syndrome. International Lowe syndrome meeting, Chicago, IL, June 23, 2010.

17. Neonatal Seizure Syndromes - Connecting the Synapses: Updates in Neuroscience, Irving, Texas, August 6, 2011.
18. Neurologic aspects of Lowe syndrome. International Lowe syndrome meeting, Orlando FL, June 23, 2013.

Miscellaneous Awards

2005 - *Texas Monthly* Superdoctor

2008 - *Texas Monthly* Superdoctor

2006 - *Texas Monthly* Superdoctor

2009 - America's Top Physicians

2007 - *Texas Monthly* Superdoctor

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