

GEOFFREY MILLER
MA MB ChB BAO MD MPhil MRCPCH FRCP FRACP

TITLE: Professor
DOB: 2/1/47

EDUCATION:

<u>Year</u>	<u>Degree</u>	<u>Institution</u>
1966-1972	BA, MB, ChB, BAO	Trinity College Dublin

BOARDS AND INTERNATIONAL EQUIVALENTS

American Board of Psychiatry and Neurology with Special qualification in Child Neurology

American Board of Psychiatry and Neurology subspecialty certification in Neurodevelopmental Disabilities

Australian Association of Neurologists (Child Neurology)

Royal Australasian College of Physicians (Pediatrics)

Royal College of Physicians (Pediatrics)

HIGHER DEGREES

MA (Honorary)	Trinity College Dublin	1982
MD (Doctoral Thesis):	University of Western Australia	1986
MRCP	Royal College of Physicians	1977(FRCP 1997)
FRACP	Royal Australasian College of Physicians	1982
MPhil	University of Glasgow	2002
MA (Privatim)	Yale University	2006
MRCPC	Royal College of Pediatrics and Child Health	2007

STATE LICENSES

Pennsylvania	#041281E
Texas	#J2687
Connecticut	#042793

SUMMARY OF TRAINING AND EXPERIENCE

1972-1973	Internal Medicine and General Surgery	Dorchester County and Weymouth District Hospital England
1973-1975	Medical Officer Royal Army Medical Corps	Germany and Northern Ireland
1975-1978	Pediatrics (US equivalent to Resident)	Cambridge Military Hospital England
1979-1981	Pediatrics (US equivalent to Resident)	Princess Margaret Hospital for Children, Western Australia
1981-1982	Developmental Pediatrics/ Child Neurology (Fellow)	Child Development Center and Princess Margaret Hospital for Children, Western Australia
1982-1983	Child Neurology (Fellow)	Hammersmith Hospital Royal Postgraduate Medical School, London, England
1983-1985	Developmental Pediatrician	Princess Margaret Hospital for Children and Sir David Brand Cerebral Palsy Center, Western Australia
1985-1986	Adult Neurology (Fellow)	Royal Perth Hospital and QEII Medical Center, Western Australia
1986	Child Neurology (Fellow)	Princess Margaret Hospital for Children, Western Australia
1986-1987	Child Neurology (Fellow)	BC's Children's Hospital, Vancouver Canada
1987-1988	Child Neurologist (Associate Physician)	Princess Margaret Hospital for Children, Western Australia
1988-1992	Child Neurologist (Associate Professor)	Milton S. Hershey Medical Center, Hershey, Pennsylvania, Pennsylvania State University
	Co-Director	Muscular Dystrophy Association Clinic, Pennsylvania State University

1998- 2004	Clinic Physician	Muscular Dystrophy Association Clinic, Methodist Hospital, Houston, Texas
2000- 2002	Chief	Developmental Pediatrics Service, Baylor College of Medicine
	Director	Meyer Center for Developmental Pediatrics, Texas Children's Hospital
1992- 2004	Child Neurologist	Texas Children's Hospital
	Professor of Pediatrics & Neurology	Baylor College of Medicine
2004 -	Professor of Pediatrics and Neurology	Yale University
	Clinical Director of Pediatric Neurology Services Director, Spina Bifida Clinic	Yale-New Haven Children's Hospital
	Member, Yale Bioethics Center	Yale University

<u>Year</u>	<u>Position</u>	<u>Institution</u>
1972-1973	Junior Houseman	Wessex Area Health Authority
1973-1975	Medical Officer RAMC	Krefeld Garrison, West Germany
	Regimental Medical Officer RAMC	Royal Hussars, Northern Ireland
1975-1978	Trainee Pediatrician	Cambridge Military Hospital
1978	Locum Senior Registrar	Royal Devon and Exeter Hospital
1979-1982	Registrar & Advanced Trainee	Princess Margaret Hospital for Children, Perth ,Western Australia
1981	Advanced Trainee	Child Development Center, Perth, Western Australia
	Advanced Trainee (Neurology and Developmental Clinics)	Princess Margaret Hospital for Children, Perth, W. Australia
	Tutor	University Department of Child Health
1982	Clinical Fellow in Developmental Neurology and Neuromuscular Disorder	The Royal Postgraduate Medical School, Hammersmith Hospital, London
1983	Medical Superintendent	Sir David Brand Centre Spastic Welfare Association of Western Australia
	Clinical Assistant	Princess Margaret Hospital for Children Perth, Western Australia
	Visiting Specialist	W. A. Society for Crippled Children (Neuromuscular Clinic)
	Consultant Physician (Pediatrics)	Accreditation with Department of Health
1984	Consultant Physician (Developmental Pediatrics and Rehabilitation)	Princess Margaret Hospital for Children

	Clinical Assistant (Neurology)	Princess Margaret Hospital for Children
	Honorary Research Fellow N.H. & M.R.C. Unit of Epidemiology and Preventive Medicine	University of Western Australia
	Visiting Specialist	W.A. Society for Crippled Children (Neuromuscular Clinic)
	Visiting Lecturer Masters Course Dept. of Psychology	Murdoch University Perth, Western Australia
	Primary Care Supervisor	Princess Margaret Hospital for Children
1985	Consultant Physician (Developmental Pediatrics)	Princess Margaret Hospital for Children
	Fellow in Neuropathology, Neurology and Neurophysiology	Royal Perth Hospital and Q.E. II Medical Center, Perth, W. Australia
	Visiting Specialist	W. A. Society for Crippled Children (Neuromuscular Clinic)
	Senior Investigator	Neuromuscular Research Institute of Western Australia, Perth, W. Australia
1986	Fellow Pediatric Neurology	Princess Margaret Hospital for Children, W. Australia
	Consultant Physician	Princess Margaret Hospital for Children, W. Australia
1986-1987	Fellow Pediatric Neurology	B.C.'s Children's Hospital Vancouver, B.C., Canada
1987-1988	Associate Physician (Pediatric Neurology)	Princess Margaret Hospital for Children, W. Australia
	Community Child Health Officer (Schools)	Health Department of W. Australia
	Senior Investigator	Neuromuscular Research Institute of W. Australia

1988-1992	Associate Professor (Pediatric Neurology)	The Milton s. Hershey Medical Center, Hershey, Pennsylvania
	Pediatric Neurologist and Co-Director	Muscular Dystrophy Clinic University Hospital Rehabilitation Center
1998 –2004	Clinic Physician	Muscular Dystrophy Association Clinic Methodist Hospital, Houston, Texas
2000 – 2002	Chief	Developmental Pediatrics Service Baylor College of Medicine
	Director	Meyer Center for Developmental Pediatrics, Texas Children’s Hospital
1992 – 2004	Professor of Pediatrics and Neurology	Texas Children’s Hospital Baylor College of Medicine
2004 -	Professor of Pediatrics and Neurology	Yale University
	Member, Yale Bioethics Center	
	Director of Pediatric Neurology Clinical Services	Yale-New Haven Children’s Hospital
	Director, Spina Bifida Clinic	

MEMBERSHIPS, SOCIETIES AND COMMITTEES

Past

Trinity College Dublin Biological Association, Librarian 1970-1972
Scientific Sub-Committee of the Western Pacific Cerebral Palsy Association
(Chairman 1983)
Ad Hoc Committee for the Formation of the Western Australian Institute of
Developmental disabilities

Present

Association for Research in Infant and Child Development
Fellow of Royal College of Physicians, London
Fellow of the Royal Australasian College of Physicians
Member of the Australian Association of Neurologists
Member of the American Academy of Neurology
(Member, Neurorehabilitation Section)
Child Neurology Society
International Child Neurology Association
American Neurological Association
World Muscle Society
American Academy of Cerebral Palsy & Developmental Medicine

Local Committees

Residency Advisory Committee	Pennsylvania State University College of Medicine	1988-92
Library Committee	Pennsylvania State University College of Medicine	1988-92
Integrated problem solving task force of the curriculum committee	Baylor College of Medicine	1992-93
International activities committee	Baylor College of Medicine	1992 – 2002
Faculty appointments and Promotions committee	Baylor College of Medicine	1993 –98
Perinatal Advisory Committee	Texas Children’s Hospital	1993-95
Advisory Committee to Office of Clinical Affairs	Baylor College of Medicine	1996-97

Bioethics Committee	Texas Children's Hospital	1997 – 2004
Bioethics Education Subcommittee	Texas Children's Hospital	2001 – 2004
Clinical Services Committee	Yale University, Department of Pediatrics	2004 –
Pediatric Subspecialties Clinic, subcommittee		
End of Life Issues Working Group		
Disability and Bioethics Working Group	Yale Bioethics Center	2005 -
Neuroethics Working Group		

National Committees

Membership Committee	Child Neurology Society	1996-97
International Affairs Committee	Child Neurology Society Chairman	1998 – 2002 –
The Outcomes Committee	American Academy of Cerebral Palsy and Developmental Medicine	2001 – 2005
Practice Parameter Committee on Cerebral Palsy	American Academy of Neurology	2001 –
Professors of Neurodevelopmental Disabilities	Society for Developmental Pediatrics	2001 –2004
Professors of Child Neurology	Child Neurology Society	2004 -
Nominating Committee	American Academy of Cerebral Palsy and Developmental Medicine	2004 –
Scientific Program Committee	American Academy of Cerebral Palsy and Developmental Medicine	2006
Bioethics Committee	Child Neurology Society	2006

International Committees

Sheila Wallace Award Committee International Child Neurology Association 2003 -

International Research Task Force International Child Neurology Association 2005 -

HONORS/AWARDS/DISTINCTIONS

- 1966 Distinction in Chemistry. Trinity College Dublin Matriculation
- 1970 Librarian. Dublin University Biological Association
- 1973 DeChaumont Prize in Army Health. Royal Army Medical Corps
Postgraduate Medical Officers Course
- 1983 Chairman, Scientific Sub-Committee of the Western Pacific Cerebral Palsy
Association
- 1996 Elected to American Neurological Association
- 1997 Elected Fellow of the Royal College of Physicians
- 1999 Who's Who in America
- 2002 Chairman, International Affairs Committee, Child Neurology Society
- 2006 Master of Arts *Privatim* Yale University
- 2006 Elected Member of the Royal College of Paediatrics and Child Health

RECENT GRANTS

Children's Miracle Network Research Grant 1990-1992. "Outcome of Infants 6 months and under go hypothermic circulatory arrest." =\$18,000. P.I.

PHS Hemophilia Growth and Development Study 1991-1992. =\$3,500. Collaborator

General Clinical Research Center grant 1996-1997. Neuropsychological function in children with acute lymphoblastic leukemia receiving dose intensification of different schedules of methotrexate. =\$5,200. P.I.

Phase I Gene Therapy Study of Adenoviral Vector Delivered Herpes Simplex Thymidine Kinase Gene and Ganciclovir in Children with Brain Tumors. Associate Investigator – 1997.

Unrestricted Educational Grant from Allergan. =\$5,110. 1998

PHS Program Grant. Baylor Mental Retardation Center. Neurodevelopmental Core PI. 8/1/98 – 7/31/03. =\$707,168.

USDA ARS Feeding Strategies for Low Birth Weight Infants. 10/01/90 – 09/30/01. \$210,056. Co-investigator.

NICHD/Neonatal Research Network/Canadian Inhaled Nitric Oxide Study Group. Early Inhaled NO Therapy in Term and Near Term Infants with Respiratory Failure. Co-Investigator, 1999 – 2004

Muscular Dystrophy Association. Dystrophin sequence variations, biological and clinical consequences. Co-investigator, 2001 – 2004

ADDITIONAL SKILLS

Needle Muscle Biopsy

.Accredited User and Tutor Griffiths Developmental Scales

PUBLICATIONS

- McFaul, R, Miller G: Clonidine poisoning in children. *Lancet* 1977; 11:1266
- Miller G, Cullity G, Walpole I, Masters P: Primary amoebic meningoencephalitis in Western Australia. *Med J Australia* 1982; 1:352-357
- Miller G, Dunn N: Management and prognosis of Duchenne Muscular Dystrophy in Western Australia. *Australian Paediatr J* 1982; 18:277-282
- Miller G: Management of progressive muscular dystrophy. *Gen Pract* 3:47-49, 1982.
- Miller G, Partridge A: Mucopolysaccharidosis Type VI presenting in infancy as Endocardial Fibroelastosis with heart failure. *Paediatr Cardiol* 4:61-62, 1983.
- Miller G, Heckmatt JZ, Dubowitz V: The use of nerve conduction velocity to estimate gestational age in very low birth weight and at risk infants. *J Pediatr* 103:109-112, 1983.
- Miller G, Heckmatt JZ, Dubowitz V: Drug treatment of juvenile dermatomyositis. *Arch Dis Child* 58:445-450, 1983.
- Miller G, Dubowitz LMS, Palmer P: Follow up of preterm infants: is correction of the developmental quotient for prematurity helpful. *Earl Hum Dev* 9:137-144, 1984.
- Miller G, Skouteli H, Dubowitz LMS, Lary S: The maturation of the auditory brain stem response compared to peripheral nerve conduction in preterm and full term infants. *Neuropaediatr* 15:25-27, 1984
- Miller G: The management of muscular dystrophy. *Aust Paediatr J* 19:135-135, 1984.
- Dubowitz LMS, Dubowitz V, Palmer P, Miller G, et al: Correlation of neurologic assessment in the preterm infant with outcome at 1 year. *J Pediatr* 105:452-456, 1984.
- Miller G, O'Connor J: Spinal bracing and respiratory function in Duchenne Muscular Dystrophy, *Clin Pediatr* 24:94, 1985.
- Miller G, Tunnecliffe M, Douglas PS: IQ, prognosis and Duchenne Muscular Dystrophy. *Brain Dev* 7:7-9, 1985.

PUBLICATIONS

Skouteli H, Dubowitz LMS, Levine MI, Miller G: Predictors associated with survival and normal neurodevelopmental outcome in infants weighing less than 1,001 grams at birth. *Dev Med Child Neurol* 27:588-595, 1985.

Miller G: Estimation of gestational age. *Pediatr Neurol* 4:129, 1988.

D'Orsogna L, O'Shea JP, Miller G: Cardiomyopathy of Duchenne Muscular Dystrophy. *Pediatr Cardiol* 9:205-213, 1988.

Miller G: Ataxic cerebral palsy and genetic predisposition. *Arch Dis Child* 63:1260-1261, 1988.

Miller G: Minor congenital anomalies and ataxic cerebral palsy. *Arch Dis Child* 64:557-562, 1989.

Miller G, Cala LA: Ataxic cerebral palsy. Clinico-radiologic correlations. *Neuropediatrics* 20:84-89, 1989.

Miller G: Myopathies of infancy and childhood. *Pediatr Ann* 18:439-453, 1989.

Miller G, Vannucci RC: Hereditary neuropathies of childhood. *Pediatr Ann* 18:428-432, 1989

Miller G, D'Orsogna L, O'Shea JP: Autonomic function and the sinus tachycardia of Duchenne muscular dystrophy. *Brain and Development* 11:247-250, 1989.

Miller G: Ataxic cerebral palsy and maternal reproductive histories. *Am J Obstet Gynecol* 162:242-243, 1990.

Miller G, Towfighi J, Page R: Spinal cord ganglioglioma presenting as hydrocephalus. *J Neurocol* 9:147-152, 1990.

Miller G, Mowrey PN, Hopper KD, Frankel CA, Ladda RL: Neurologic findings in 18q-syndrome. *Am J Med Genet* 37:128-132, 1990.

Miller G, Ramer J: Noonan's syndrome with a Chiari type I malformation and syringomyelia. *Dysmorphology and Clinical Genetics* 4:141-144, 1990.

Miller G, Vannucci RC: Cerebral palsy and neonatal neurology. *Current Opinion in Pediatrics* 2:1058-1065, 1990.

Miller G: Cerebral palsy and minor congenital anomalies. *Clin Pediatr* 30:97-98, 1991.

PUBLICATIONS

- Miller G, Ladda RL, Towfighi J: Cerebro-ocular dysplasia-muscular dystrophy (Walker Warburg) Syndrome. Findings in 20 week fetus. *Acta Neuropathol* 82:234-238, 1991.
- Rodichok L, Miller G: Evoked potentials in 18q-syndrome. *Neuropediatrics* 23:218-220, 1992.
- Wasserstrom R, Mamourian A, Towfighi J, Miller G: Bulbar poliomyelitis – MR findings with pathologic correlation. *AJNR* 13:371-373, 1992.
- Gangopadhyay SB, Sherratt TG, Heckmatt JZ, Dubowitz V, Miller G, Shokeir M, Ray PN, Strong PN, Worton RG: Dystrophin in frame shift deletion patients with Becker Muscular Dystrophy. *Am J Hum Genet* 1992, 51:562-570.
- Miller G, Beggs AH, Towfighi J: Early onset autosomal dominant progressive muscular dystrophy presenting in childhood as Becker phenotype—importance of dystrophin and molecular genetic analysis. *Neuromusc Disord* 1992; 2:11-124.
- Sinoway LI, Wroblewski KJ, Prophet SA, Ettinger SM, Gray KS, Whistler SK, Miller G, Moore RL: Plasma lactate reductions due to glycogen depletion attenuate vasoconstriction responses to exercise in humans. *Am J Physiol* 1992; 263:1499-1505.
- Miller G: Diagnostic criteria for Duchenne and Becker Muscular dystrophy. *Neuromusc Disord* 1992; 2:225.
- Miller G, Wessell HB: Diagnosis of the dystrophinopathies-a review for the clinician. *Pediatr Neurol* 1993; 9:3-9.
- Mamourian AC, Miller G: Pontomedullary disconnection: a case report with review of the literature of pontoneocerebellar hypoplasia. *AJNR* 1994; 15:1483-1485.
- Miller G, Rodichok LD, Baylen BG, Myers JL, Waldhausen JA: EEG changes during open heart surgery on infants aged six months or less; their relationship to early neurologic morbidity. *Pediatr Neurol* 1994; 10:124-130.
- Miller G, Mamourian AC, Tesman JR, Baylen BG, Myers JL, Waldhausen JA: Long-term MRI changes in brain following pediatric open heart surgery. *Journal of Child Neurology* 1994; 9:390-397.
- Miller G: Dyskinetic cerebral palsy and birth asphyxia. *Dev Med Child Neurol* 1994; 36:928-929.

PUBLICATIONS

Miller G, Egli KD, Contant C, Baylen BG, Myers JL: Postoperative neurologic complications after open heart surgery on infants. *Arch Pediatr Adolesc Med.* 1995; 149:746-768.

Miller G, Tesman JR, Ramer JC, Baylen BG, Myers JL: Outcome following open heart surgery in children. *Journal of Child Neurology.* 1996; 11:49-53.

North KN, Miller G, Iannaccone ST, Clemens PR, Beggs AH, Specht LA: Cognitive dysfunction as the major presenting feature of Becker Muscular Dystrophy. *Neurology.* 1996; 46:461-465.

Miller G, Baylen BG: Early neurologic outcome after open heart surgery on young infants. *Arch Pediatr Adolesc Med* 1996; 150:560-561.

Ghamdi M, Armstrong D, Miller G: Congenital hypomyelinating neuropathy – a reversible case. *Pediatr Neurol* 1997; 16:71-73.

Nguyen NQ, Lee AG, McClure CD, Miller G: Subretinal lesion in subacute sclerosing panencephalitis. *JAAPOS* 1999; 3:252-254.

Miller G, Vogel H: Structural evidence of injury or malformation in the brains of children with congenital heart disease. *Seminars in Pediatric Neurology* 1999; 6:20-26.

Miller G, Trevino RJ, Stein F, Contant C, David Y, Jefferson LS: Rectal-scalp temperature differences accurately predict brain death in children. *Pediatric Neurology* 1999; 20:267-269.

Chedrawi A, Fishman MA, Miller G. Neck Tongue Syndrome. *Pediatric Neurology* 2000; 22:397-399.

International Myotonic Dystrophy Consortium Statement. The new nomenclature and DNA testing guidelines for myotonic dystrophy type 1 (DM) *Neurology* 2000; 54:1218-1221.

Miller G: What's in a name? *Developmental Medicine and Child Neurology* 2001; 43:647.

Szigeti K, Saifi GM, Armstrong D, Belmont JW, Miller G, Lupski JR. Disturbance of muscle fiber type differentiation in congenital hypomyelinating neuropathy caused by a novel myelin protein zero mutation. *Annals of Neurology* 2003; 54:398-402

Ashwal S, Russman BS, Blasco PA, Miller G, Sandler A, Shevell M, Stevenson R. Diagnostic assessment of the child with cerebral palsy. *Neurology* 2004; 62:851-863

PUBLICATIONS

McBride KL, Miller G, Carter S, Goss J, Lee B. Developmental outcomes in early orthotopic liver transplantation for infants with neonatal onset urea cycle defects. *Pediatrics* 2004; 114: 523 - 526

Moretti P, Sahoo T, Hyland K, Bottiglieri T, Peters S, Del Gaudio D, Roa B, Curry S, Zhu H, Finnell RH, Neul JL, Ramaekers VT, Blau N, Bacino C, Miller G, Scaglia F. Cerebral folate deficiency with developmental delay, autism, and response to folinic acid. *Neurology* 2005; 64: 1088 – 1090

Airewele G, Miller G, McCluggage C, Chintagumpala M. Spontaneous regression of a diffuse brainstem lesion in a neonate. *J Neurosurg*. In Press

Lu C, Lin J, Rajawat YS, Jerng H, Rami TG, Sanchez X, DeFreitas G, Miller G, Bowles NE, Khoury DS, Towbin JA. Functional and clinical characterization of a mutation in *KCNJ2* associated with Andersen – Tawil syndrome. *J Med Genet* 2006; 43: 653-9

Maricich SM, Azizi P, Jones JY, Hunter JV, O’Brian Smith E, Miller G. Myelination as assessed by conventional MRI is normal in young children with idiopathic developmental delay. *AJNR Am J Neuroradiol*. In Press

Miller G. Ten Days in Texas. *Hastings Center Report*; 2007:37: July/August

CHAPTERS

- Miller G, Kakulas BA: The Management of Duchenne Muscular Dystrophy in Western Australia. In: *Recent Achievements in Restorative Neurology*, Vol. 2. MR Dimitrijevic, BA Kakulas, GS Vrobova, AG Karger (Eds), Basel, 1985.
- Miller G, Couch S: Cerebral palsies. In: *Primary Pediatric Care*. Hoekelman RA, Friedman SB, Nelson NM, Seidel HM (Eds). Mosby and Co., St. Louis, 1992.
- Ramer JC, Miller G: Mental retardation. In: *Static Encephalopathies of Infancy and Childhood*. Miller G, Ramer JC (Eds). Raven Press, 1992.
- Mascari M, Levin J, Nicholls RD, Miller G: Angelman and Prader Willi Syndrome—A paradigm of genomic imprinting. In: *Static encephalopathies of Infancy and Childhood*. Miller G, Ramer JC (Eds). Raven Press, 1992.
- Ramer JC, Miller G: Other minor congenital anomaly syndromes. In: *Static Encephalopathies of Infancy and Childhood*. Miller G, Ramer JC (Eds). Raven Press, 1992.
- Clarke MA, Miller G: Xp21-linked muscular dystrophy. In: *Static Encephalopathies of Infancy and Childhood*. Miller G, Ramer JC (Eds). Raven Press, 1992.
- Miller G: Myotonic dystrophy. In: *Static Encephalopathies of Infancy and Childhood*. Miller G, Ramer JD (Eds). Raven Press, 1992.
- Miller G: Cerebral Palsy. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (eds). Arbor Publishing Corp, La Jolla, 1995.
- Miller G: Periventricular Leukomalacia. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (Eds). Arbor Publishing Corp, La Jolla, 1995.
- Miller G: Mental Retardation. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (Eds). Arbor Publishing Corp, La Jolla, 1995.
- Miller G: Porencephaly. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (eds). Arbor Publishing Corp, La Jolla, 1995.
- Miller G: Schizencephaly. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (Eds). Arbor Publishing Corp, La Jolla, 1995.
- O'Donnell D, Miller G: Megalencephaly. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (eds). Arbor Publishing Corp, La Jolla, 1995.
- Fierro-Stevens R, Miller G: Congenital Syphilis. In: *Neurobase*. Gilman S, Goldstein GW, Waxman SG et al, (Eds). Arbor Publishing Corp, La Jolla, 1995.

CHAPTERS

- Miller G: Hypotonia and neuromuscular disease. In: Fanaroff A and Martin RC, Eds. Neonatal-Perinatal Medicine. Diseases of Fetus and Infant. Mosby Year Book Inc., St Louis, 1997.
- North KN, Miller G: Muscular dystrophies. In: Current Diagnosis. Conn RB, Borer WZ, Snyder JW et al, (Eds). WB Saunders Co, Philadelphia, 1997.
- Miller G, Couch S: Cerebral Palsies. In: Primary Pediatric Care. Hoekelman RA et al (eds). Mosby & Co. 3rd Ed. 1997.
- Battaglia G, Miller G, Granata T: Schizencephaly. In: Neurobase. Gilman S, Goldstein GW, Waxman SG et al, (Eds). Arbor Publishing Corp., La Jolla, 1997.
- Granata T, Battaglia G, Miller G: Porencephaly. In: Neurobase. Gilman S, Goldstein GW, Waxman SG, (Eds). Arbor Publishing Corp., La Jolla, 1997.
- Miller G: Cerebral Palsy. An Overview. In Cerebral Palsy, Causes, Consequences, and Management. Butterworth and Heinemann, Boston, 1998.
- Clark GD, Swann JW, Miller G: From molecule to tissue – normal and abnormal brain development. In: Cerebral Palsy, Causes, Consequences, and Management. Butterworth and Heinemann, Boston, 1998.
- Noetzel MJ, Miller G: Traumatic Brain Injury as a Cause of Cerebral Palsy. In: Cerebral Palsy, Causes, Consequences, and Management. Butterworth and Heinemann, Boston, 1998.
- Deguchi K, Miller G: Periventricular Leukomalacia. In: Neurobase. Gilman S, Goldstein GW, Waxman SG, (eds). Arbor Publishing Corp., La Jolla, 1998.
- Steedman JG, Griesenner DA, Miller G: Mental Retardation. In: Neurobase. Gilman S, Goldstein GW, Waxman SG, (eds). Arbor Publishing Corp., La Jolla, 1999.
- Bodamer O, Miller G. Hypotonia and Neuromuscular Disorder. In: Fanaroff A, Martin C. (Eds). Neonatal – Perinatal Medicine. Mosby Year Book, 2000.
- Deguchi K, Miller G. Periventricular Leukomalacia. In: Up To Date. Wellesley, MA, 2000.
- Miller G. Cerebral Palsies. In: UpToDate. Wellesley, MA 2001.
- Miller G, Bodamer O. Congenital myopathies. In: UpToDate. Wellesley, MA, 2001.
- Miller G, Bodamer O. Neuromuscular Junction Disorders in Newborns. In: Up to Date. Wellesley, MA, 2001.

CHAPTERS

Miller G, Bodamer O. Anterior Horn Cell Disorders. In Up To Date, Wellesley, MA, 2001.

Miller G, Bodamer O. Approach to the Infant with Hypotonia and weakness. In: Up To Date, Wellesley, MA, 2001.

Miller G, Bodamer O. Overview of Disorders of Peripheral Nerves and Muscle causing Hypotonia in the Newborn. In: Up To Date, Wellesley, MA, 2004.

Miller G. Epidemiology and Etiology of Cerebral Palsy. In: Up To Date. Wellesley, MA 2004.

Miller G. Clinical Features and Diagnosis of Cerebral Palsy. In: Up To Date. Wellesley, MA, 2004

Miller G. Management of, and Prognosis in, Cerebral Palsy. In: Up To Date. Wellesley, MA, 2004.

Pivalizza P, Miller G, Mental Retardation Review. Cognitive- Adaptive Disability. In: Up to Date .Wellesley, MA, 2004

Deguchi K, Miller G. Periventricular Leukomalacia. In: Up To Date. Wellesley, MA, 2004

Miller G. Extreme Prematurity. Facts, Fiction, and US law. In: Challenges for Bioethics in Asia. MacerDRJ (Ed). Tsukuba, Eubios Ethics Institute, 2004: 281-2

Lotze T, Miller G. Hypotonia and Neuromuscular Disease. In: Fanaroff A, Martin C (Eds). Neonatal-Perinatal Medicine 8th Edn. St Louis, Mosby, 2006

Miller G. The Neurology of Cerebral Palsy. In Schapira AHV (Ed): Neurology and Clinical Neuroscience. Mosby. Philadelphia. 2007

Deguchi K, Miller G. Periventricular Leukomalacia. In: Up To Date. Wellesley, MA, 2007

BOOKS

Miller G, Ramer JC (Eds): *Static Encephalopathies of Infancy and Childhood*. Raven Press, New York, 1992.

Miller G, Clark GD (Eds): *Cerebral Palsies Causes, Consequences, and Management*. Boston, Butterworth and Heinemann, 1998

Miller G. *Extreme Prematurity. Practices, Bioethics, and the Law*. New York, Cambridge University Press, 2007

THESIS and DISSERTATIONS

Miller G: M.D. Thesis. *Ataxic Cerebral Palsy. A study of the concept of ataxia in cerebral palsy and its pathogenesis*. University of Western Australia, 1986.

Miller G: MPhil Dissertation. *The forgoing of life sustaining treatment for severely disabled infants: ethical aspects and a comparison between USA and UK law*. University of Glasgow, 2002.

ABSTRACTS

- O'Shea JP, D'Orsogna L, Miller G: Cardiomyopathy of Duchenne Muscular Dystrophy – pathogenesis of labile sinus tachycardia. *Aust N Zealand J Med* 16:551, 1986.
- O'Shea JP, D'Orsogna L, Miller G: Cardiomyopathy of Duchenne Muscular Dystrophy – clinical assessment and non-invasive investigations. *Aust N Zealand J Med* 16:556, 1986.
- Miller G: IQ and epilepsy in ataxic cerebral palsy. *Ped Res* 21:495, 1987.
- Miller G: Ataxic cerebral palsy. A heterogeneous condition with interaction between early prenatal and later events. *Ped Res* 21:285, 1987.
- Miller G: Neurodevelopmental features in ataxic cerebral palsy. *Dev Med Child Neurol* 32:S41, 1990.
- Miller G, Fischbeck KH, Kant JA: An “out of frame” deletion, undetected dystrophin, and Becker Muscular Dystrophy. *Dev Med Child Neurol* 32:S34, 1990.
- Mendell JR, Iannaccone ST, Burrow KL, Fischbeck KH, Rammohan KW, Coovert D, Bulman DE, Bove K, Jacobs IW, Michaels J, Miller G, Burghes AHM: Dystrophin analysis in congenital muscular dystrophy. *Ann Neurol* 28:270, 1990.
- Miller G: Needle muscle biopsy in children. *Ann Neurol* 28:428-429, 1990.
- Miller G, Towfighi J, Beggs A: Autosomal dominant progressive muscular dystrophy presenting in childhood as a Becker Phenotype with normal dystrophin. *Neurology* 41(Suppl): 137, 1991.
- Miller G, Towfighi J: Cerebro-ocular dysplasia – muscular dystrophy findings in 20 week fetus. *J Neuropath Expt Neurol* 50:352, 1991.
- Sinoway LI, Wroblewski KJ, Prophet SA, Ettenger SM, Gray KS, Whisler SK, Miller G, Moore RL: Plasma lactate reductions due to glycogen depletion attenuate vasoconstrictive responses to exercise in humans. *Circulation* 84:316A, 1992.
- Miller G, Towfighi J: Distal spinal muscular atrophy presenting in infancy – clinical and pathological findings. *Pediatr Res* 31:351A, 1992.
- Miller G, Ramer JC, Mujsce DT: Minor congenital anomalies – interobserver agreement. *Pediatr Res* 13:70A, 1992.
- Miller G, Romberger MB, Tesman JR, Simon LJ, Box ML, Myers JL: Outcome following open heart surgery during the neonatal period. *Ann Neurol* 32:462A, 1992.

ABSTRACTS

Miller G, Rodichok L, Baylen B, Myers JL, Waldhausen J: EEG changes during open heart surgery on infants aged 6 months or less. *Neurology* 43:361A, 1993.

Miller G, Mamourian AC, Tesman JR, Baylen BG, Myers JL: Long term brain MRI changes following pediatric open heart surgery. *Ann Neurol* 34:62A, 1993.

Miller G, Iannaccone S, Clemens PR: Mental retardation maybe the only presentation of Becker muscular dystrophy during adolescence. *Ped Neurol.* 11:65A, 1994.

Miller G, Eggli KD, Baylen BG, Myers JL, Constant CF. Postoperative neurologic morbidity and mortality following open heart surgery during early infancy. A prospective study. *Ped Neurol.* 11:132, 1994.

Trevino RJ, Stein F, Jefferson LS, David Y, Walding D, Stone S, Phan D, Morre W, Miller G: Rectal-scalp temperature differences accurately predict brain death in children. *Neurology.* 46:A430, 1996.

Miller G, Tesman JR, Constant CF, Baylen BG, Myers JL. Neurodevelopmental outcome following open heart surgery during early childhood. *Ped Neurol* 11:56A, 1994.

Miller G: Brain involvement in various muscular dystrophies. *Brain Pathology* 7:1334, 1997.

Trevino RJ, Stein F, Jefferson LS, David Y, Walding D, Stone S, Phan D, Moore W, Miller G: Rectal-scalp temperature differences predict brain death. *Pediatrics* 100:426, 1997.

Richards CS, Lockhart LH, Miller G, Rodrigues DL, Shapira SK, Ward PA: Two distinct de novo dystrophin mutations identified on one family. *AM J Hum Genet* 61:A192, 1997.

Miller G, Ashizawa T.: Is poor executive function present in Myotonic Dystrophy out of proportion to other aspects of neuropsychologic function? *J Child Neurol* 2000; 15:619.

Moretti P, Hyland K, Bottiglieri T, Neul J, Miller G, Scaglia F. Novel neurometabolic condition responsive to folinic acid supplementation. *Am J Hum Genet* 2003;

Moretti P Hyland K, Bottiglieri T, Neul J, Miller G, Scaglia F. Novel neurometabolic condition responsive to folinic acid supplementation. American College of Medical Genetics meeting, March, 2004

ABSTRACTS

Moretti P, Sahoo T, Hyland K, Bottiglieri T, Curry S, Finnell R, Neul J, Miller G, Ramaekers V, Blau N, Scaglia F. Novel neurometabolic condition responsive to folinic acid supplementation. *Neurology* 2004 (Suppl 5); 62:A 29

Batsen L, Bloom D, Miller G. Neuropsychological functioning in Becker Muscular Dystrophy. Society for Pediatric Psychology meeting April 2004

Maricich SM, Azizi P, Jones JY, Morriss MC, Hunter JV, Contant CF, Miller G. Development of brain myelination in normal and developmentally delayed children as assessed by magnetic resonance imaging. Society for Neuroscience Meeting 2004

PRESENTATIONS

13th International Study Group on Child Neurology and Cerebral Palsy.
Invited Participant. Oxford University, 1982.

“Moral dilemmas in the care of the handicapped”, Second Western Pacific Cerebral Palsy Association Conference, Perth, Australia, 1983.

“Evaluation of Treatment Programs for Duchenne Muscular Dystrophy”, Seminar on Research and Evaluation in Rehabilitation of the Young Disabled. Regency Park Centre, Adelaide, Australia, 1983.

“Intelligence and Duchenne Muscular Dystrophy”, Third National Child Development Conference, Perth, Australia, 1984.

“Correction of the Developmental Quotient in the Follow-up of the Preterm Infant”, Third National Child Development Conference. Perth, Australia, 1984.

“Management of Progressive Muscular Dystrophy”, Chinese University of Hong Kong Medical School, 1985. (Invited guest lecture)

“IQ and Prognosis in Duchenne Muscular Dystrophy”, Research Seminar, Princess Margaret Hospital for Children. Perth, Australia, 1985.

“The Floppy Child”, Practical Pediatrics Symposium. State College, Pennsylvania, 1989.

“Neonatal Seizures”, Grand Rounds, Polyclinic Medical Center, Harrisburg, Pennsylvania, 1990.

“Seizures and Anticonvulsant Therapy”, Advanced Concepts in Pediatric Critical Care. Pennsylvania State University, the Milton S. Hershey Medical Center, 1990.

“Ataxic Cerebral Palsy. A Paradigm for the Study of Cerebral Palsy”. University of Manchester School of Medicine, Manchester, England, 1990. (Invited guest lecture)

“Neuromuscular Disorder – Research Update”. Muscular Dystrophy Association Sponsor Workshop, Harrisburg, PA, 1991.

“Neurologic complications of Open Heart Surgery”. Pedi-Heart Update 1991, The Pennsylvania State University College of Medicine.

“The Floppy Infant”. Texas Children’s Hospital Pediatric Grand Rounds 1992.

Neurologic Aspects of Open Heart Surgery in Infants. Bluebird Clinic Conference, Houston, Texas, 1993.

PRESENTATIONS

Some Aspects of the Cerebral Palsies. Neurology grand rounds. Baylor College of Medicine, Houston, Texas, 1994.

Intermittent movement disorders of childhood. Pediatric Neurology update for the clinician. Baylor College of Medicine, Houston, Texas, 1994.

Some aspects of the cerebral palsies. Pediatric grand rounds. King Faisal Specialist Hospital, Riyadh, Saudi Arabia, 1994.

Neurological complications of open heart surgery in children. Cardiology grand rounds. King Faisal Specialist Hospital, Riyadh, Saudi Arabia, 1994.

The Cerebral Palsies. Orthopedic grand rounds. King Faisal Specialist Hospital, Riyadh, Saudi Arabia, 1994.

Cerebral Palsy – a syndrome not a disease. Pediatric update for the clinician. Baylor College of Medicine, Houston, 1995.

The Cerebral Palsies. Orthopedic grand rounds. Baylor College of Medicine, Houston, Texas, 1996.

Neurological complications of congenital heart disease. Pediatric update for the clinician. Baylor College of Medicine, Houston, Texas, 1996.

Neurological sequelae following open heart surgery. Symposium in honor of Lilly Dubowitz. Hammersmith Hospital. Royal Postgraduate Medical School, London, England, 1996. (Invited guest lecture)

Neurodevelopmental outcomes following congenital heart surgery. The Third Loma Linda International Conference on Pediatric Heart Transplantation, Rancho Mirage, California, 1997. (Invited guest lecture)

New developments in the muscular dystrophies. Pediatric Update for the Clinician. Baylor College of Medicine, Houston, Texas, 1997.

Recent developments in the muscular dystrophies. Neurology Grand Rounds. Baylor College of Medicine, Houston, Texas, 1997.

Recent clinical advances in the understanding of the muscular dystrophies. Clinical Genetics Conference Series. Baylor College of Medicine, Houston, Texas, 1997.

Neuromuscular causes of prolonged weakness in the critical care unit. Critical Care Rounds, Texas Children's Hospital, Houston, Texas, 1997.

PRESENTATIONS

Brain Involvement in Various Muscular Dystrophies. XIII International Congress of Neuropathology, 1997. Perth, Australia. (Invited guest lecture)

Brain Involvement in Various Muscular Dystrophies. Society for Developmental Pediatrics National Meeting. New Orleans. May 1998. (Keynote speaker)

Clinical Recognition of Cerebral Palsy: Presentation and Distinguishing Characteristics. Invited presentation given at the conference: Cerebral Palsy: The Dynamic of Diagnosis and Treatment? San Francisco, June 1998.

Gene Therapy for Muscular Dystrophy. Keynote speaker. MDA Fall Seminar. Houston, Texas. 1998.

Brain Involvement in Muscular Dystrophies. Grand Rounds Department of Neurology. Baylor College of Medicine. Houston, Texas, March, 1999.

Frontal lobe Dysfunction in Myotonic Dystrophy without loss of general intelligence. The 2nd MDA/AFM Myotonic Dystrophy Consortium Conference. Research Triangle Park, NC. April 1999.

The Cerebral Palsies. Ministry of Health Hospital, Sharjah, United Arab Emirates, November, 1999.

Executive Function in Myotonic Dystrophy. Sixth International Symposium of the Society for the Study of Behavioral Phenotypes, San Servolo, Venice, Italy, October 2000.

Cerebral Palsy. What is it and why is it. Grand Rounds. Texas Children's Hospital, Houston, Texas. June 2001.

Neurodevelopmental consequences of congenital heart disease. Association for Research in Infant and Child Development. 4th International Scientific Meeting. London, England, May 2002. (Invited lecture)

Management of Muscular Dystrophy. XVIII Congresso Nacional De Neurologia. Antigua, Guatemala, August 2002 (Invited lecture).

Speech and Language Disorders. XVIII Congresso Nacional De Neurologia. Antigua, Guatemala, August 2002 (Invited lecture).

Attention Deficit and Hyperactivity. XVIII Congresso Nacional De Neurologia. Antigua, Guatemala, August 2002 (Invited lecture).

PRESENTATIONS

Cerebral Palsies. Causes and Consequences. XVIII Congreso Nacional De Neurologia. Antigua, Guatemala, August 2002 (Invited lecture).

The classification of seizures and epileptic syndromes. AL Quassimi Hospital, Sharjah, United Arab Emirates, January 2003.

Extreme Prematurity: Facts, Fiction, and US Law. 5th Asian Bioethics Conference, Tsukuba, Japan. February, 2004

Extreme Prematurity. Bioethics and the Law. Texas Neurological Society 7th Annual Winter Conference, Austin, Texas, February 2004 (Invited guest speaker)

Extreme Prematurity : Texas Supreme Court Confirms Limited Parental Autonomy. 15th World Congress on Medical Law. Sydney, Australia. August 2004

Diagnosis and Treatment of Duchenne Muscular Dystrophy. Inauguracion Primer Curso Internacional De Genetica En Medicina Humana. Antigua, Guatemala, March 2005 (Invited guest speaker)

Extreme Prematurity. Bioethics and US Law. Medical College of Vienna. University of Vienna, Austria June 2005. (Invited speaker).

Duchenne Muscular Dystrophy. Grand Rounds, Bridgeport Hospital, Connecticut. July, 2005.

Ethics of Enhancement Neurology. Child Neurology Society Meeting, Los Angeles, October 2005

Diagnosis and Management of Attention Deficit Hyperactivity Disorder. XII Congreso Centroamericano de Neurologia. San Salvador, September 2005

Autistic Spectrum Disorders. XII Congreso Centroamericano de Neurologia. San Salvador, September 2005

Problems Concerning the Termination of Life Sustaining Treatment for Disabled Infants. Parents, Physicians, and US Law. XII Congreso Centroamericano de Neurologia. San Salvador, September 2005

Dissonance and Discord. US Law and the Foregoing of Life-sustaining Treatment from Disabled Infants. Department of Pediatrics Grand Rounds, Yale University School of Medicine. February 2006.

PRESENTATIONS

Extreme Prematurity. Facts, Fiction, Ethics, and the Law. Hughes Program in Life Sciences. Guest Speaker Summer 2006 Lecture Series. Wesleyan University, Connecticut. July 2006.

Extreme Prematurity. Who Decides? Point/Counterpoint. Invited Speaker. American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting September 2006.

Extreme Prematurity. Bioethics and the Law. Keynote Speaker. Philadelphia Perinatal Society March 2007

Ethics at Borderline Viability. Department of Paediatrics. National University of Singapore. June 2007

Extreme Prematurity. Bioethics and US Law. Children's Hospital at Westmead. Sydney, Australia. June 2007.

PEER REVIEW

Clinical Pediatrics
Pediatric Neurology
Annals of Neurology
Thrasher Research Fund
Neuromuscular Disorders
Circulation
Pediatrics
European Journal of Pediatric Neurology
Telethon – Italia
Journal of Pediatrics
Archives of Pediatrics and Adolescent Medicine
Journal of the American Medical Association
Neurology
Yale University Press

BOOK REVIEWS

Neuromuscular Disorders
European Journal of Pediatric Neurology:

Neuromuscular disorders: Clinical and molecular genetics. Emery AEH,
Ed. 2000; 4:49

Benign Childhood Partial Seizures and Related Epileptic Syndromes.
Panayiotopoulos CP. 2000; 4:92-93

Localization of Brain Lesions and Developmental Functions.
Riva D, Benton A, Eds.2001; 5:215

Congenital Hemiplegia. Neville B, Goodman R, Eds.2002; 6:299

The Autonomic Nervous System in Health and Disease.
Goldstein DS. 2003; 7:90

Hyperactivity and Attention Disorders of Childhood.
Sandberg S, Ed.2003; 7:193

Sleep Disturbance in Children and Adolescents with Disorders of
Development : Its Significance and Management. Stores G, Wiggs L. Eds. 2004; 8:267-268

Clinical Pediatric Neurology. A Signs and Symptoms Approach Gerald
M Fenichel, 5th Edition, Elsevier. 2006; 10: 157-158

EXAMINER

American Board of Psychiatry and Neurology

VISITING PROFESSOR

University of Manchester School of Medicine, England, 1990

Bugshan General Hospital Jeddah Saudi Arabia, 1993

King Faisal Specialist Hospital, Saudi Arabia, 1994

Ministry of Health Hospitals, Sharjah, 1999, 2000, 2001, 2002, 2003

Mater Childrens Hospital, Brisbane, Queensland, Australia. 2003

Tbilisi State Medical University, Tbilisi, Georgia 2006