

CURRICULUM VITAE
APRIL 2012

A. Name: Robert Miles Miska

B. Address:

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Salt Lake City, UT 84103

C. Citizenship: USA

| D. Education: | <u>Institution</u> | <u>Training or Degree</u> |
|---------------|----------------------------------------------------------------------------------|---------------------------|
| 1965-1969 | Evanston Township High School Evanston, Illinois USA | H.S. |
| 1969-1970 | Beloit College Beloit, Wisconsin USA | Liberal Arts |
| 1970 | Northwestern University Chicago, Illinois USA | Liberal Arts |
| 1977-1980 | University of Wisconsin Milwaukee, Wisconsin USA | B.A. |
| 1980-1983 | Medical College of Wisconsin Milwaukee, Wisconsin USA | M.D. |
| 1983-1984 | Medical College of Wisconsin Affiliated Hospitals Milwaukee, Wisconsin USA | Medicine Internship |
| 1984-1987 | Medical College of Wisconsin Affiliated Hospitals Milwaukee, Wisconsin USA | Neurology Residency |

E. Military Service: Not applicable.

F. Postgraduate Education: See above.

G. Other Education:

1981 Medical College of Wisconsin Affiliated Hospital Externship, Division of Therapeutic Radiology.

H. Board Certification:

Diplomate of the National Board of Medical Examiners, May 1984.

Board certified in Neurology by the American Board of Psychiatry and Neurology, October 1988.

Board certified in Electrodiagnostic Medicine by the American Board of Electrodiagnostic Medicine (ABEM), April 1991.

I. Faculty Appointments:

Assistant Professor of Neurology (full-time faculty), University of Wisconsin Medical School, Milwaukee Clinical Campus, Sinai Samaritan Medical Center, July 1987 - May 1991.

J. Practice:

1991 - Rocky Mountain Neurological Associates, Salt Lake City, Utah, June 1991.

K. Hospital Appointments (Current):

1991 - LDS Hospital, Eighth Avenue & C Street, Salt Lake City, Utah 84143.

1991 - Salt Lake Regional Medical Center, 1050 E. South Temple, Salt Lake City, Utah 84102.

1992 - St. Mark's Hospital, 1220 East 3900 South, Salt Lake City, Utah 84124.

L. Hospital Appointments (Previous):

1977 – 1981 Research Assistant, Neurochemistry, Section of Neurology, Mount Sinai Medical Center, Milwaukee, WI. Project to assess safety of newer anticonvulsants in hepatic porphyrias.

1986 – 1987 Chief Neurology Resident, Milwaukee County Medical Complex, (Froedtert Memorial Lutheran Hospital and Milwaukee County Hospital), and Zablocki Veterans Administration Hospital.

1986 – 1987 Medical Officer, Milwaukee County Mental Health Complex and Child and Adolescent Treatment Center, Milwaukee, WI.

1987 – 1991 Sinai Samaritan Medical Center, East Campus, 950 North 12th Street, and West Campus, 2000 W. Kilbourn Avenue, Milwaukee, Wisconsin 53233.

1987 – 1991 Variety Club Epilepsy Center, 950 North 12th Street, Milwaukee, Wisconsin 53233.

M. State Medical Licenses: Wisconsin (1984)
Utah (1991-to present)

N. Awards:

1969 National Merit Scholarship Letter of Commendation

O. Honors:

1977 - 1979 Dean's Honor List, University of Wisconsin-Milwaukee

1983 Alpha Omega Alpha Honor Medical Society

P. Professional Societies:

1983 - Alpha Omega Alpha Honor Medical Society

1984 - 1989 American Medical Association

1984 - 1988 American Academy of Neurology (Jr.)

1988 - American Academy of Neurology (Active)

1984 - 1991 Wisconsin Neurological Society

1991 - American Association of Electrodiagnostic Medicine (Fellow)

1991 - Stroke Council, American Heart Association (Fellow)

1991 - Western Intermountain Neurologic Organization

1994 - MENSA

Q. Areas of Interest:

Electrodiagnosis, neuro-ophthalmology, cerebrovascular disease, movement disorders.

R. Committees/Clinical Research:

1987 – 1989 Advisory Member, Clinical Investigations Committee, Sinai Samaritan Medical Center, Milwaukee, WI.

1987 – 1991 Advisory Member, HMO Committee, Sinai Samaritan Medical Center, Milwaukee, WI.

1991 - Expert Panel Member (Neurology), Utah Driver License Medical Advisory Board.

1995-1996 Co-investigator, Lubeluzole stroke treatment study, LDS Hospital.

2011- Sub-Investigator, Rocky Mountain MS Research Group, 370 E. 9th Ave Suite 106
Salt Lake City, UT 84103

S. Bibliography:

Publications:

1. Safety of Anticonvulsants in Hepatic Porphyrrias, Norman C. Reynolds, Jr., and Robert M. Miska. Neurology, Vol. 31, No. 4, pp. 480-484, April, 1981.
2. Cranial Magnetic Resonance Imaging in the Evaluation of Myelopathy of Undetermined Etiology. Robert M. Miska, Kathleen W. Pojunas and Michael P. McQuillen, Neurology, Vol. 37, No. 6, pp. 840-843, May, 1987.

Abstracts:

1. Drug Responsiveness & Disability in Essential Tremor, Helen Wood, Robert M. Miska, Paul A. Nausieda. Neurology, Vol. 34, Suppl. 1, p. 88, March, 1984.
2. Cerebral MRI in Myelopathy, Kathleen W. Pojunas, Robert M. Miska, Victor M. Haghton, Proceedings of Radiologic Society of North America, November, 1986.

Letters:

1. MRI, Myelopathy, and MS: Reply from the Authors, Michael P. McQuillen, M.D., Robert M. Miska, M.D., Neurology, Vol. 37, No. 10, p. 1692, October, 1987.

Presentations at Meetings, State and National:

1. Drug Responsiveness & Disability in Essential Tremor, Helen Wood, Robert M. Miska, Paul A. Nausieda, Poster Presentation 51 at annual meeting, American Academy of Neurology, April, 1984.
2. Cranial Magnetic Resonance Imaging in the Evaluation of Myelopathy of Undetermined Etiology, Robert M. Miska, Kathleen W. Pojunas and Michael P. McQuillen, Platform Presentation at annual meeting, Wisconsin Neurological Society, September, 1986.

Presentations at Meetings, Regional:

1. Update on Cerebrovascular Disease, Annual Medicine Conference, University of Wisconsin Medical School (MCC), June, 1989.
2. Seizures: Diagnosis and Treatment, St. Benedict's Hospital Grand Rounds (Ogden, Utah), October, 1991.
3. A Neurologist's Perspective on Brain Ischemia, Frontiers in Diagnosis and Treatment of Cerebrovascular Disease (conference sponsored by LDS Hospital), Salt Lake City, Utah, November, 1991.
4. Therapeutics Update in Neurology, Salt Lake Valley IHC Hospitals. Moderator, and presenter of Seizure Disorders: Old Drugs, New Drugs, and a Logical Treatment Approach, Deer Valley, Utah, October, 1999.

Other:

Editorial Assistant for production of teaching videotapes, Neuropathology Laboratory Sessions, Health Sciences Consortium (Congenital Abnormalities of the Central Nervous System, Metabolic and Toxic Diseases of the Central Nervous System, and Neuromuscular Diseases), copyright 1986.

T. Current Activities:

1. General Clinical Neurology

- a. Inpatient and outpatient consultation.
- b. Ongoing care for patients with chronic neurologic disease (e.g., seizure disorders, movement disorders, demyelinating disease, chronic headache syndromes).

2. Electrodiagnosis

- a. Electromyography (EMG) and nerve conduction studies.
- b. Electroencephalography (EEG).

3. Medical Education

Teaching of clinical neurology and basic neuroscience to post-graduate residents in Internal Medicine and to medical students.

U. Clinical Pharmacology Research:

Sub- Investigator “A Randomized, Multi-center, Placebo-Controlled and Active Reference (Glatiramer Acetate) Comparison Study to Evaluate the Efficacy and Safety of BG00012 in Subjects with relapsing-Remitting Multiple Sclerosis” 109MS302 sponsored by Biogen IDEC, Inc. June 2007 to January 2011.

Sub- Investigator “Multi-center, Open-label Study to Evaluate the Effects of Natalizumab Treatment on Fatigue and Cognition in Subjects with Relapsing Forms of MS” 001-06-NAT sponsored by Biogen IDEC, Inc. January 2008 to November 2009.

Sub- Investigator, Examining Neurologist “An Assessment of the Steady-State Pharmacokinetic and Pharmacodynamic Profile of Tysabri 300 mg Following at least 12 Monthly Infusions” 101MS406 sponsored by Biogen IDEC, Inc. July 2008 to February 2009.

Sub- Investigator, Examining Neurologist “An Open-Label, Multicenter Study to Determine Subject Satisfaction in Using the Single-Use Autoinjector with a Pre-filled Liquid Avonex Syringe in Multiple Sclerosis Subjects” 108MS302 sponsored by Biogen IDEC, Inc. December 2008 to November 2010.

Sub- Investigator, Examining Neurologist “Evaluation of Bladder Function in Relapsing Remitting Multiple Patients Treated with Natalizumab” US 006-08-NAT sponsored by Biogen IDEC, Inc. January 2009 to October 2010.

Sub- Investigator, Examining Neurologist “A Dose-Blind, Multicenter, Extension Study to Determine the Long-term Safety and Efficacy of Two Doses of BG00012 Monotherapy in Subjects with Relapsing-Remitting Multiple Sclerosis” 109MS303 sponsored by Biogen IDEC, Inc. Beginning March 2009 – October 2011.

Sub- Investigator, Examining Neurologist “Randomized Treatment Interruption of Natalizumab” 101MS205 sponsored by Biogen IDEC, Inc. February 2010- December 2011.

Sub-Investigator, “Pharmacokinetic, immunological, and biochemical sample collection and analysis in a natalizumab treated patient cohort” 001-001-TY sponsored by Rocky Mountain Ms Clinic. March 2010 –November 2010.

Sub- Investigator, Examining Neurologist “A Multicenter, Randomized, Rater-Blind, Parallel-Group, Active-Controlled Study to Evaluate the Benefits of Switching Therapy (Glatiramer Acetate or Interferon β -1a) to Natalizumab in Subjects with Relapsing Remitting Multiple Sclerosis” 101MS325 Biogen IDEC, Inc. November 2010 – March 2011.

Sub-Investigator “Effectiveness, Safety and Patient Outcomes of Fingolimod Relapsing remitting MS” CFTY720DUS01 EPOC sponsored by Novartis. December 2010-ongoing.

Sub-Investigator, “A Phase 1b, Dose-Escalating, Randomized, Placebo-Controlled, Double-Blind Study to Evaluate the Safety and Efficacy of Subcutaneous ELND002 in Patients with Relapsing Forms of Multiple Sclerosis” ELND002-MS103 sponsored by ELAN, conducted through Lifetree Research, March 2011 – ongoing.

Sub-Investigator, “A Phase 2, Double-blind, Randomized, Placebo-controlled, Four-arm, Multicenter, Dose-finding Study to Assess the Safety and Efficacy of Three Dose Levels of AVP-923 (Dextromethorphan/Quinidine) in the Treatment of Central Neuropathic Pain in Patients with Multiple Sclerosis” 11-AVR-130 sponsored by Avanir Pharmaceuticals, Inc. August 2011 - ongoing.

V. Additional Certifications:

2012- LDS Hospital, Eighth Avenue & C Street, Salt Lake City, Utah 84143. Laboratory Director of LDSH Neurology EMG Laboratory, awarded “Certification with Exemplary Status” by AANEM January 2012

Expanded Disability Status Scale (EDSS) and Neurostatus assessments certified since 2009, current through May 2013 by Neurostatus e-Test.

W. Meetings/Continuing Education Credits:

1999

University of San Francisco, Recent Adv. In Neurology, San Francisco, February, 1999,

Credit: 15 hours

University of Utah, WINO Mtgs., March, 1999, Credit: 4 hours

University of Utah, Advances in Multiple Sclerosis, June, 1999, Credit: 4 hours

IHC Salt Lake Valley Hospitals CME, Therapeutics Update in Neurology, October, 1999,

Credit: 4.5 hours

AAEM Annual Mtgs., Vancouver, October, 1999, Credit: 10.5 hours

University of Utah, WINO Mtgs., October, 1999, Credit: 4 hours

2000

University of Utah, WINO Mtgs., March, 2000, Credit: 4 hours

IHC CME, Neurologic Therapeutics, August, 2000, Credit: 4.5 hours

2001

University of Utah, WINO Mtgs., March, 2001, Credit: 4 hours

University of Utah, Advances in the Immunology & Management of Multiple Sclerosis,
Credit: 4 hours

2002

University of Texas Southwestern Medical Center at Dallas: Controversies in the Use of
Dopamine Agonists in the Treatment of Parkinson's Disease. Teleconference Sept. 9-30, 2002.

Credit: 1 hour

American Epilepsy Society: Clinical Decision-Making in the Management of Epilepsy,
Vol. 3, No. 2. Credit: 1 hour

American Epilepsy Society: Clinical Decision-Making in the Management of Epilepsy,

Vol. 3, No. 3. Credit: 1 hour

Intermountain Health care: Multiple Sclerosis Update, Salt Lake City, December 14,
2002. Credit: 4.5 hours

Johns Hopkins University School of Medicine, Office of CME, Profiles in Seizure
Management, Vol.1, No. 5, October 31, 2002 Credit: 1 hour

2003

University of Wisconsin Medical School, Madison: Botulinum Toxin Type A for

Headache, Migraine, and Beyond, January 28, 2003. Credit: 1 hour

University of San Francisco: Recent Advances in Neurology, San Francisco, February
12-14, 2003. Credit: 15 hours

University of Utah School of Medicine CME: Neuroimmunology of Multiple Sclerosis,
Salt Lake City, September 12, 2003. Credit: 3 hours

AAEM/IFCN Joint Scientific Meeting: San Francisco, CA, September 16-20, 2003,
Credit: 17.25 hours

University of Utah School of Medicine CME: WINO fall meeting, Salt Lake City, UT,
October 3-4, 2003. Credit: 4 hours

Johns Hopkins University School of Medicine: Profiles in Seizure Management, Vol. 1,
Number 5: Improving the Management of Refractory Epilepsy and the Evaluation of
Adverse Event; October 16, 2003. Credit: 1 hour

IHC CME: Cowan Cancer, Salt Lake City, February 1, 2003. Credit: 5.25 hours

IHC CME: Cerebrovascular Grand Rounds, Salt Lake City, 4/24, 5/29, 6/19, 8/28, 10/9,
and 10/30/03. Credit: 7 hours

2004

University of San Francisco: Recent Advances in Neurology, San Francisco, February 11-13, 2004. Credit: 15 hours

University of Utah School of Medicine CME: WINO spring meeting, Salt Lake City, UT, March 19-23, 2004. Credit: 4 hours
American Association of Neuromuscular & Electrodiagnostic Medicine Scientific Meeting, Savannah, GA, November 3-6, 2004. Credit: 17.75 hours

2005

University of Utah School of Medicine CME: WINO Spring meeting, Salt Lake City, UT, March 18, 2005. Credit: 4 hours
IHC CME, Stroke Seminar, Salt Lake City, 3/5/05. Credit: 6 hours
IHC CME, Cerebrovascular Grand Rounds, Salt Lake City, 7/7/05. Credit: 1 hour
Medical Education Resources: Multimechanisms of Migraine: Recent Advances in Pathophysiology and Diagnosis, July 2006. Credit: 1 hour
American Stroke Association – NIH Stroke Scale Training, Salt Lake City, UT, August 10, 2005. Credit: 1 hour

2006

University of Utah CME: WINO Mtgs., Salt Lake City, 9/29/06. Credit: 4 hours
International Federation of Clinical Neurophysiology, Edinburgh, UK, 9/10-9/14/06
Credit: 24 hours

2007

Discovery Institute of Medical Education, “Hypertensive Emergencies in Intracerebral Hemorrhage: Pathophysiology and Management, 3/16/07. Credit: 1 hour
University of Utah Stroke Center, 4th Annual Utah Stroke Symposium, Salt Lake City, 3/31/07. Credit: 5.8 hours
University of Utah CME: WINO Mtgs., Salt Lake City, 9/29/07. Credit: 4 hours
IHC CME, Neurovascular Grand Rounds, Salt Lake City, 01/04/07. Credit: 1 hour
IHC CME, Neurovascular Grand Rounds, Salt Lake City, 04/04/07. Credit: 1 hour
IHC CME, Neurovascular Grand Rounds, Salt Lake City, 10/03/07. Credit: 1 hour

2008

University of Utah CME: WINO Mtgs., Salt Lake City, 3/14/08 Credit: 4 hours

AANEM Annual Meeting, Providence, RI, 9/17-20/08 Credit: 25.25 hours

Intermountain Healthcare CME – Neurovascular Grand Rounds, 3/6/08. Credit 1 hour

Intermountain Healthcare CME – Neurovascular Grand Rounds, 4/10/08. Credit 1 hour

University of Utah Stroke Center, 4th Annual Utah Stroke Symposium, Salt Lake City, 6/9/2008

2009

Medical Education Resources CME- Recurrent Stroke Prevention, Littleton, CO, 3/12/2009 Credit 1 hour

AAN Annual Meeting, Seattle WA, 4/25/2009-4/28/2009 Credit: 35.25 hours

2010

American Association of Neuromuscular & Electrodiagnostic Medicine Scientific

Meeting (AANEM), Annual Meeting, Quebec City, Quebec, 10/6/2010-10/9/2010 Credit: 17.75 hours

2011

American Association of Neuromuscular & Electrodiagnostic Medicine Scientific

Meeting (AANEM), San Francisco, CA, 9/14/2011-9/17/2011, 2011. Credit: 17.75 hours