

**LENORA N. BROWN, PH.D., R. Psych, ABPP-CN**  
**Board Certified in Clinical Neuropsychology**

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**EDUCATIONAL BACKGROUND**

University Education

B.A.	Psychology (with distinction) University of Victoria, British Columbia	1990
M.Sc.	Educational Psychology University of Calgary	1994
PH.D.	Psychology & Educational Psychology University of Calgary	1998

Postgraduate Education

Fellow	Department of Clinical Neurosciences Faculty of Medicine University of Calgary	2001- 2003
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**LICENSURE**

Psychologist	Alberta #3363	2008
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**DIPLOMATE**

Clinical Neuropsychology, American Board of Professional Psychology	2015
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**ACADEMIC APPOINTMENTS**

- Adjunct Assistant Professor, Department of Clinical Neurosciences, Cumming School of Medicine, University of Calgary 2003 to present
- Assistant Professor, Department of Psychology, University of Calgary, 2003 to 2006
- Sessional Instructor, Department of Psychology, University of Calgary, 1998 to 2003
- Sessional Instructor, Department of Psychology, University of Calgary, 2006 to 2008

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- Sessional Instructor, Business Management, University of Lethbridge, 1999 to 2008
- Sessional Instructor, Department of Behavioural Sciences, Mount Royal College, 1999 to 2008
- Sessional Instructor, Department of Psychology, Red Deer College, 1999 to 2003

### **PROFESSIONAL EXPERIENCE**

#### Previous

- Clinical Neuropsychologist, Brain Injury Rehabilitation Centre, Calgary Alberta, 2008-2011.
- Clinical Neuropsychologist, Regional Capacity Assessment Team, Calgary Health Region, 2008
- Provisional Psychologist, Foothills Medical Centre, Calgary, 2006-2008
- Researcher, medicolegal cases, Langlois Legal Centre, 2002-2004
- Director, Michael's Childcare Centre, Calgary, Alberta, 1990-1992
- Counselor, Providence Children's Centre, Calgary, Alberta, 1992-1993
- Counselor, Autism Society of British Columbia. 1989-1990

#### Reviewer/Consultant

- endMS Summer Studentship Awards Reviewer, 2010, 2011
- Journal of International Neuropsychological Society, 2010 – present
- Multiple Sclerosis Society of Canada "Ask the Expert", 2008-present
- Consultant, Alberta Civil Trial Lawyers Association, Expert Bank, 2009-present
- Psychology and Aging, 2007- 2010
- Canadian Psychology, 2007
- Personality and Individual Differences, 2006- present
- Perceptual and Motor Skills, 2005-present
- Medical Science Monitor; International Reviewer's Panel, 2004
- Psychonomics Bulletin and Review, 2001

### **RESEARCH GRANTS**

- Principal Investigator, Measures of Corpus Callosum Function in MS: Development of an Outcome Measure, Multiple Sclerosis Society of Canada, 2010
- Principal Investigator, A Preliminary Investigation of Cognitive Rehabilitation Effects in Multiple Sclerosis, Brain Injury Rehabilitation Centre, 2009
- Principal Investigator, Psychophysical measurements as an outcome measure following brain damage University Research Grants Committee, 2004.

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- Principal Investigator, A preliminary investigation of an outcome measure, Multiple Sclerosis Society of Canada, 2004.
- Principal Investigator, Temporal processing mechanisms and cognitive abilities in adults, Natural Sciences and Engineering Research Council, 2003.

### **PATENTS**

- Sole Inventor: Method and Apparatus for Assessing and Monitoring Neurological Function. Patent No: US 6702756 B2 (March 9, 2004), <http://www.patentstorm.us/patents/6702756.html>
- Published Canadian patent: CA 2364795 AA

### **AWARDS**

- Research Meritorious Award, International Neuropsychological Society, 2008
- Teacher's Excellence Teaching Award nomination, University of Calgary, 2008
- Teacher's Excellence Teaching Award nomination, University of Calgary, 2004 - 2005
- Multiple Sclerosis Society of Canada Fellowship-2001-2003
- University Research Grants Committee, University of Calgary-1998
- Senior Women Academic Administrators of Canada: Graduate Student-1998
- Award of Merit nomination, University of Calgary-1998.
- Graduate Research Scholarship (Winter), University of Calgary-1997
- Anita K.F. Li Graduate Scholarship (Fall), University of Calgary-1996
- Faculty of Graduate Studies Scholarship (Fall), University of Calgary-1996
- Joe Woodsworth Memorial Scholarship (Fall), University of Calgary-1996
- Graduate Research Scholarship (Spring/Summer), University of Calgary-1996
- Dissertation Graduate Research Grant, University of Calgary-1996
- Graduate Admission Scholarship, University of Calgary-1996
- Graduate Research Travel Grant, University of Calgary-1996
- American Psychological Association Travel Award, University of Calgary-1995
- Academic Projects Fund Award, University of Calgary-1995
- Graduate Admission Scholarship, University of Calgary-1994
- Graduate Research Scholarship, University of Calgary-1994
- Master's Graduate Research Grant, University of Calgary-1993

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#### **MEMBERSHIPS**

- American Board of Professional Psychology (Clinical Neuropsychology) 2015 to present (full member)
- Associate Member of Hotchkiss Brain Institute 2004 - present
- American Psychological Association – 1994 to 2016
- Medical Science Monitor - 2004
- Canadian Psychological Association – 2006 to present
- New York Academy of Sciences - 2007–2009
- Consortium of Multiple Sclerosis Centers – 2007 to present
- National Academy of Neuropsychology (#8759) - 2010 to 2014
- North American Brain Injury Society - 2010 to 2015
- American Academy of Clinical Neuropsychology - 2010 to present
- International Neuropsychology Society – 2011 to 2014

#### Research Group Memberships

- Canadian Institutes of Health Research (Aging) – 2005 to 2014
- Hotchkiss Brain Institute – 2004 to present
- Alberta Centre on Aging, University of Alberta – 2004 to 2016
- Neuroscience Research Group – 2001 – 2004

#### **PUBLICATIONS**

- Brown, L.N., Woelstad, A., Zhang, Y., & Metz, L.M. (2015). Neuropsychological measures associated with corpus callosum integrity may be sensitive to minimal cognitive impairment in multiple sclerosis. *The Clinical Neuropsychologist*, V9 Supp, 354-55.
- Brown, L.N., Zhang, Y., Mitchell, J.R., Zabad, R., & Metz, L.M. (2010). Corpus Callosum Volume and Interhemispheric Transfer in Multiple Sclerosis. *Canadian Journal of Neurological Sciences*. 37(5), 615-619.
- Pachet, A., Astner, K., & Brown, L.N. (2010). Clinical utility of the Mini-Mental Status Examination when assessing decision-making capacity. *Journal of Geriatric Psychiatry and Neurology*, 23(1), 3-8.
- Brown, L.N., & Metz, L.M. (2009). Comparison of quantitative functional measures in multiple sclerosis: a four-year longitudinal study. *Multiple Sclerosis*, 15, S55.
- Brown, L.N., & Metz, L.M. (2008). The test-retest reliability of outcome measures and their relationship to the Expanded Disability Status Scale in multiple sclerosis. *Archives of Clinical Neuropsychology*, 23,744.
- Brown, L.N., Madden, N., Kiss, Z., & Suchowersky, O. (2008). Sensory temporal processing in Parkinson's disease. *Journal of the International Neuropsychological Society*, 14, Suppl 1, 71.
- Brown, L.N., Zhang, Y., Zabad, R.K., Mitchell, J. Ross, & Metz, L.M. (2008). Corpus callosum volume and interhemispheric transfer of somatosensory information in multiple sclerosis. *Journal of the*

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*International Neuropsychological Society*, 14, Suppl 1, 123 (Meritorious Award).

- Brown, L.N., Eliasziw, M., & Metz, L.M., (2007). Test-rest reliability in visual temporal thresholds in multiple sclerosis: Determining reliable change. *Canadian Journal of Neurological Sciences*, 34(4), 433-437.
- Rostad, K., Mayer, A., Fung, T. & Brown, L.N., (2007). Sex-related differences in the correlations for tactile temporal thresholds, interhemispheric transfer times, and nonverbal intelligence. *Personality and Individual Differences*, 43, 1733-1743.
- Brown, L.N., (2007). APA: Dictionary of Psychology, Gary R. Vanden Bos (Ed.). The American Psychological Association (2006). *Canadian Psychology*, 48(3), 204-205.
- Brown, L.N., Metz, L.M., & Eliasziw, M. (2006). Identifying reliable change in tactile temporal thresholds in multiple sclerosis: Test-retest reliability, *Multiple Sclerosis*, 12, 573-577
- Brown, L.N., & Metz, L.M. (2005). Tactile temporal thresholds measure relapse-related change in multiple sclerosis: A preliminary study, *Multiple Sclerosis*, 11(6), 725-727.
- Heming, J. E., & Brown, L.N. (2005). Sensory Temporal Processing in Adults with Early Hearing Loss. *Brain and Cognition*, 59, 173-182.
- Brown, L.N. & Vickers, J.N. (2004). Temporal judgments, hemispheric equivalence, and interhemispheric transfer in adolescents with attention deficit hyperactivity disorder. *Experimental Brain Research*, 154 (1), 76-84.
- Goddard, K.M., Isaac, M.I., Slawinski, E.B., & Brown, L.N., (2004). Isolating the auditory attentional blink. *Journal of Visual Impairment and Blindness*, 98(4), 241-246.
- Brown, L.N., Metz, L.M., & Sainsbury, R.S. (2003). Sensory temporal thresholds and interhemispheric transfer times in multiple sclerosis: A preliminary study of a new outcome measure. *Journal of Clinical and Experimental Neuropsychology*. 25(6), 783-792.
- Brown, L.N., & Sainsbury, R.S. (2002). Age and sex-related differences in temporal judgments for spatially separated visual stimuli: Support for hemispheric equivalence, *Perception and Psychophysics*, 64(5), 693-702.
- Vickers, J.N., Rodrigues, S.T., & Brown, L.N. (2002). Gaze pursuit and arm control of adolescent males diagnosed with attention hyperactivity disorder (ADHD) as compared to normal controls: Evidence of dissociation between short and long-duration visual information. *Journal of Sports Sciences*, 20(3), 201-216.
- Brown, L.N. & Metz, L.M. (2002). Sensory processing and interhemispheric transfer in multiple sclerosis. *Archives of Clinical Neuropsychology*, 17(8), 746.
- Brown, L.N., & Sainsbury, R.S. (2000). Hemispheric equivalence and age-related differences in temporal judgements to somatosensory

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stimuli. *Journal of Clinical and Experimental Neuropsychology*, 22(5), 587-598.

- Brown, L.N., Goddard, K.M., Lahar, C.J., & Mosley, J.L. (1999). Age-related deficits in cognitive functioning are not mediated by time of day. *Experimental Aging Research*, 25(1), 81-93.
- Brown, L.N., & Goddard, K.M., & McArthur, A.D. (1998). Age-related differences and hemispheric asymmetry in the temporal resolution of visual stimuli. *Canadian Psychology*, 39(2), 8.
- Brown, L.N., Lahar, C.J., & Mosley, J.L. (1998). Age and gender-related differences in strategy use for route information: A "map-present" direction giving paradigm. *Environment and Behavior*, 30(2), 123-143.

### **PRESENTATIONS**

#### Conferences

- Brown, L.N., Woelstad, A., Zhang, Y., & Metz, L.M. (June 2015). Neuropsychological measures associated with corpus callosum integrity may be sensitive to minimal cognitive impairment in multiple sclerosis. The American Academy of Clinical Neuropsychology.
- Komishke, B., Metz, L., & Brown, L.N., Zhang, Y. (May 10-16, 2014). Preferably large fiber damage in the corpus callosum of progressive MS compared with relapsing MS and controls. The International Society for Magnetic Resonance Imaging in Medicine, Milan, Italy.
- Zhang, Y., Metz, L., & Brown, LN (April 20-26, 2013). MRI texture spectral similarity detects white matter microstructure as compared with diffusion tensor imaging. The 21th International Society for Magnetic Resonance in Medicine. Salt Lake City, USA.
- Brown, L.N., & Metz, L.M. (September 9-12, 2009). Comparison of Quantitative Functional Measures in Multiple Sclerosis: A Four-Year Longitudinal Study. European Committee for Treatment and Research in Multiple Sclerosis, Düsseldorf, Germany
- Brown, L.N., & Metz, L.M. (October 21-26, 2008). The test-retest reliability of outcome measures and their relationship to the Expanded Disability Status Scale in multiple sclerosis. National Academy of Neuropsychology, New York
- Brown, L.N., Madden, N., Kiss, Z., & Suchowersky, O. (February 6-9, 2008). Sensory temporal processing in Parkinson's disease. Poster presented at the 36th Annual meeting, International Neuropsychological Society, Waikoloa, Hawaii
- Brown, L.N., Zhang, Y., Zabad, R.K., Mitchell, J. Ross, & Metz, L.M. (February 6-9, 2008). Corpus callosum volume and interhemispheric transfer of somatosensory information in multiple sclerosis. Poster presented at the 36th Annual meeting, International Neuropsychological Society, Waikoloa, Hawaii. Meritorious Award.
- Natalia Liapounova, Brad Goodyear, Lenora Brown, Luanne Metz, & Jeff Dunn. (December 11-12, 2008). Optical imaging of cortical functional

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connections in multiple sclerosis patients, Poster presented at the endMS Research Conference, Banff, AB

- Zhang, Y. Brown, L.N., Metz, L.M., Mitchell, J.R. (June 2, 2007). Corpus callosum volume correlates with tactile temporal thresholds in multiple sclerosis. Poster presented at the 12<sup>th</sup> Annual meeting, America's Committee for Treatment and Research in Multiple Sclerosis, Washington D.C. and the endMS Research Conference, Banff, AB
- Mayer, A., Brown, L.N. (April 29, 2005). Relationships between temporal processing and cognitive functioning in adulthood. Paper presented at the 9<sup>th</sup> Annual Student Research Conference, Calgary, Alberta
- Rostad, K. Brown, L.N. (April 30, 2004). Psychophysical measurements and cognitive functioning. Paper presented at the 8<sup>th</sup> Annual Student Research Conference, Calgary, Alberta
- Brown, L.N., & Metz, L.M. (February 21–23, 2003). Changes in Tactile Temporal Thresholds and Interhemispheric Transfer Times as a Function of Exacerbation in Multiple Sclerosis: A Longitudinal Case Study. Poster presented at the Clinical Neuroscience 10<sup>th</sup> Annual Banff Conference
- Brown, L.N., & Metz, L.M. (Oct 9-12, 2002). Sensory processing and interhemispheric transfer in multiple sclerosis. Poster presented at the National Academy of Neuropsychology, Miami, Florida
- Brown, L.N., Metz, L.M., & Sainsbury, R.S. (November, 2002). Sensory Processing and Interhemispheric Transfer Times in Multiple Sclerosis. Poster presented at the Neuroscience Research Group
- Heming, J., Truax, H., Brown, L.N., & Slawinski, E., (May 11, 2002) Sensory processing in deaf individuals: Temporal thresholds and attentional blink. Poster presented at the Banff Annual Seminar in Cognitive Science
- Brown, L.N., Metz, L.M., & Sainsbury, R.S. (May 11, 2002). Sensory Processing and Interhemispheric Transfer Times in Multiple Sclerosis. Poster presented at the Banff Annual Seminar in Cognitive Science
- Brown, L.N., & Sainsbury, R.S. (August, 1998) Age differences and hemispheric equivalence in processing temporal somatosensory stimuli. Presented at the 106<sup>th</sup> Annual meeting of the American Psychological Association, San Francisco, CA
- Brown, L.N., & Goddard, K.M, & McArthur, A.D. (June, 1998) Age-related differences and hemispheric asymmetry in the temporal resolution of visual stimuli. Presented at the Canadian Psychological Association, Edmonton, AB
- Brown, L.N., (April, 1998) Age and gender-related differences in somatosensory and visual simultaneity thresholds. Presented at the Cognitive Aging Conference, Atlanta, GA
- Brown, L.N., (April, 1996) Examination of age differences in cognitive performance as a function of time of testing. Posted presented at the Cognitive Aging Conference, Atlanta, GA

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- Brown, L.N., (August, 1995) Age and gender-related differences in wayfinding strategies. Poster presented at the 103rd Annual meeting of the American Psychological Association, New York, NY

#### Invited Addresses

- The Benefits of Neuropsychological Assessments. VRA Canada. October 3, 2015 (Calgary, AB).
- The Benefits of a Neuropsychological in Traumatic Brain injury. Worker's Compensation Board. February 5, 2015 (Calgary, AB).
- The Benefits of a Neuropsychological. LifeMark. October 28, 2014 (Calgary, AB); October 30, 2014 (Edmonton, AB).
- Post-Traumatic Stress Disorder and Mood Disorders Following Traumatic Brain Injury. Canadian Bar Association. March 6, 2012.
- 2011 endMS Summer School is "Neuroprotection and repair: From bench research to clinical application" Measuring Changes in Multiple Sclerosis, May 26, 2011
- Neuropsychological Assessment in Traumatic Brain Injury. Canadian Bar Association. March 2011.
- Neuropsychological Assessment in Traumatic Brain Injury. Workers Compensation Board. June 16, 2011.
- Evaluating Capacity in Adults. Association Community Treatment. July 2008
- Targeting the Corpus Callosum in MS: Development of a Model to Monitor Changes. MS Clinical Rounds; Think Tank, Foothills Medical Centre. May 2010
- Process of Evaluating Capacity in Adults. Association Community Treatment. July 2008
- Regional Capacity Assessments and Referral Process. MS Clinical Rounds, Foothills Medical Centre, June 2008
- Sensory Temporal Thresholds: Psychophysical Measurements of Neural Efficiency Behavioral Neuroscience Research Group, February 2006, University of Calgary
- Using Sensory Temporal Thresholds to Measure Neural Efficiency. Movement Disorders and Therapeutic Brain Stimulation Program: Neural Prosthetics Workshop. February 2006, Calgary, Alberta
- Measurements of Psychophysics to Measure Multiple Sclerosis Progression. Multiple Sclerosis Interest Group, May 2003, Faculty of Medicine, University of Calgary
- Sensory Processing and Interhemispheric Transfer in Patients with Multiple Sclerosis. Neuroscience Research Group Seminar, February 2003, Banff Alberta
- Psychophysiologic Measures as Measures of Multiple Sclerosis Progression. Behavioral Neuroscience Seminar, February 2003, Department of Psychology, University of Calgary



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- Sensory Temporal Thresholds and Interhemispheric Transfer in Multiple Sclerosis Patients. Multiple Sclerosis Interest Group, September 2001, Faculty of Medicine, University of Calgary
- Multiple Sclerosis: Causes, Diagnosis, and Treatment. Health Psychology, Winter 2002 and 2003, Department of Psychology, University of Calgary

### **VOLUNTEER COMMITTEES**

- American Academy of Clinical Neuropsychology, Report Sample Reviewer for the board certification process, 2015 - present
- College of Alberta Psychologists, Calgary, AB 2008 -2014, Examiner, Oral Examinations Committee
- National Academy of Neuropsychology, Education Committee, 2011 - 2014

### **SUPERVISORY/EXAMINER COMMITTEES**

- A.W.: (2012) Ph.D. Candidate, Neuropsychology practicum
- K.D.: M.Sc. (2004-2006) Supervisory Committee, Department of Neurology, Faculty of Medicine, Calgary, AB
- S.K: M.Sc. (2003-2004) Supervisory Committee, Department of Psychology, Faculty of Social Sciences, Calgary, AB
- K.M: M.Sc. (2005): Internal/External Examiner, Department of Neurosciences, Faculty of Medicine, Calgary, AB
- S.C.: M.Sc. (2005) Internal/External Examiner, Department of Psychology & Neuroscience, Faculty of Kinesiology, Lethbridge, AB
- R.G.: M.Sc. (2005) Internal Examiner, Department of Psychology, Faculty of Social Sciences, Calgary, AB
- P.M.: Ph.D. (2005) Candidacy Examiner, Department of Psychology, Faculty of Social Sciences, Calgary, AB

### **CONTINUING PROFESSIONAL DEVELOPMENT**

- 2017
  - American Board of Professional Psychology (ABPP), 2015 Annual Conference and Workshops, (May) 9 Continuing Education (CE) Credits, San Diego, CA
  - American Academy of Clinical Neuropsychology (AACN), 15<sup>th</sup> Annual AACN Conference, (June), 15 CE Credits, Boston, MA.
  - Trending in Psychiatry, Conference, (December), Calgary, AB
  - Canadian Red Cross, HCP level, Oct 16, 2017 (expires Oct 16, 2020)

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- Department of Clinical Neurosciences Rounds, Cumming School of Medicine, 1 Continuing Medical Credit (CME)
- 2016
  - Prevention and Longevity Conference: Evidence Based Medicine for you and Your Patients, (January 22), 6 Continuing Medical Education (CME) Credits.
  - The International Brain Injury Association, Eleventh World Congress on Brain Injury, 25.25 CME credits, The Hague, Netherlands.
  - Grand Rounds: Cumming Scholl of Medicine, Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, 1 CME credits
  - MS Clinical Rounds: Foothills Medical Centre: Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, January 2014-June 2014, 2 CME credit
- 2015
  - American Academy of Clinical Neuropsychology (AACN), 13<sup>th</sup> Annual AACN Conference, (June), 15 Continuing Education (CE) Credits, San Francisco, CA.
  - American Board of Professional Psychology (ABPP), 2015 Annual Conference and Workshops, (May) 6 CE Credits, San Diego, CA
  - American Board of Professional Psychology (ABPP), Clinical Neuropsychology Oral Examination, March 28, 2015, 20 CE Credits, Chicago, IL
- 2014
  - The International Brain Injury Association, Tenth World Congress on Brain Injury, 26.75 CME credits, San Francisco, CA.
  - American Board of Professional Psychology (ABPP), Clinical Neuropsychology Written Examination, June 14, 2014, 4 CE Credits
  - Grand Rounds: Foothills Medical Centre, Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, 8 CME credits
  - MS Clinical Rounds: Foothills Medical Centre: Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, January 2014-June 2014, 2 CME credits

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- 2013
  - National Association of State Head Injury Administrators & North American Brain Injury Society, University of Texas Medical Branch, Conference, 17.50 CME credits, New Orleans, LA
  - MS Clinical Rounds: Foothills Medical Centre: Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, July 2013-December 2013, 2 CME credits
  - Grand Rounds: Foothills Medical Centre, Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, 1 CME credits
  - Neuropsychology Journal Club, monthly, Foothills Medical Centre
- 2012
  - National Academy of Neuropsychology: 32<sup>nd</sup> Annual Conference & Courses, (Nov 07-10), Nashville, TN, 13 CE credits
  - American Academy of Clinical Neuropsychology: 10<sup>th</sup> Annual Conference & Workshops, (June 20-23), Seattle, WA, 12 CE credits
  - Alberta endMS Regional Research and Training Centre: Scientific Retreat, (Jan 21-22), Red Deer, AB.
  - National Academy of Neuropsychology, Neuropsychology and Epilepsy and Epilepsy Surgery (Jan-Apr course), 16 CE credits
  - Neuropsychology Journal Club, monthly, Foothills Medical Centre
- 2011
  - National Academy of Neuropsychology, Clinical Neuroanatomy course, 30 CE credits
  - Alberta Civil Trial Lawyers Association, Psychiatric & Psychological Injuries, Chronic Pain & Causation, Conference, Calgary, AB,
  - Grand Rounds: Foothills Medical Centre, Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, 1 CME credits
- 2010
  - National Academy of Neuropsychology, 30<sup>th</sup> Annual Conference & Courses, (Oct 13-16), Vancouver, BC, 15 CE credits
  - National Association of State Head Injury Administrators & North American Brain Injury Society, University of Texas Medical Branch, Conference, 11.50 CME credits, Minneapolis, MN

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- MS Clinical Rounds: Foothills Medical Centre: Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, 11 CME credits
- American Academy of Clinical Neuropsychology. "Mild Traumatic Brain Injury and Postconcussion Syndrome: The New Evidence Base for Diagnosis and Treatment." Course, 3 CE credits
- Canadian Psychological Association. "Starting and Operating an Independent Professional Practice in Psychology." Course, 3 CE credits
- Grand Rounds: Foothills Medical Centre, Accredited Group Learning Activities – defined Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada. 7 CME credits.
- endMS Conference: Research and Training Network, Whistler, BC
- 2009
  - Alberta endMS Regional Research and Training Centre: Scientific Retreat,
  - European Committee for Treatment and Research in Multiple Sclerosis. 25<sup>th</sup> Congress, Conference, 21 CME credits, Dusseldorf
  - MTBI: An International Conference on Mild Traumatic Brain Injury. American Psychological Association, 17 CE credits, Vancouver, BC
- 2008
  - National Academy of Neuropsychology, Conference, 6 CE credits, New York, NY
  - Wechsler Adult Intelligence Scale (WAIS) IV Training. Applied Psychology University of Calgary
- 2007
  - Canadian endMS Research Conference, Canmore, AB
  - Consortium of Multiple Sclerosis Centers Annual Conference, Washington, DC
  - New York Academy of Sciences, Linking Affect to Action: Critical Contributions of the Orbitofrontal Cortex, New York, NY
- 2006 - 2009
  - Multiple Sclerosis (MS) Rounds, Department of Clinical Neurosciences, Faculty of Medicine, University of Calgary.
  - Neuropsychology Journal Club, weekly, Foothills Medical Centre
- 2001 - 2009
  - Grand Rounds weekly program, Department of Clinical Neurosciences, Faculty of Medicine, University of Calgary.