

ANDREW K. HOWARD MD FRCPC

*Clinical Associate Professor, Department of Psychiatry, University of British Columbia
Certified in the Subspecialty of Neuropsychiatry and Behavioral Neurology by the United Council of
Neurologic Subspecialties*

*Education Coordinator, Clinician and Faculty of the BC Neuropsychiatry Program
UBC Hospital 2255 Wesbrook Mall Vancouver B.C. V6T 2A1 (604) 822-7569*

EDUCATION

- 2003-2005 **UNIVERSITY OF BRITISH COLUMBIA**, Vancouver, British Columbia
Clinical Neuropsychiatry Fellowship
- 1998-2003 **UNIVERSITY OF BRITISH COLUMBIA**, Vancouver, British Columbia
Fellow of the Royal College of Physicians and Surgeons of Canada, in Psychiatry
- 1994-1998 **QUEEN'S UNIVERSITY**, Kingston, Ontario
Doctor of Medicine
Honours in academic and clinical work; scholarships to Menninger, B.C. Children's Hospital
- 1990-1994 **HARVARD UNIVERSITY**, Cambridge, Massachusetts
B.A. in Psychology *cum laude*
Harvard College Academic Scholarship each year; 1994 B.C. finalist for Rhodes Scholarship

CLINICAL EXPERIENCE

- July 2005-present
Hospital **CLINICAL NEUROPSYCHIATRY**, inpatient and outpatient, Department of Psychiatry, UBC
Specific interests in somatoform/conversion disorders (particularly psychogenic movement disorders), psychiatric disorders associated with movement disorders, and outcomes of deep brain stimulation.
- July 2003-June 2005 **CLINICAL NEUROPSYCHIATRY FELLOWSHIP**, UBC, VGH, SPH, Vancouver, B.C.
Training in clinical neurology, neuroradiology, neurophysiology, neuropsychiatry included
Supervisor: Dr. T. Hurwitz
- April-June 2003 **CHRONIC PAIN PROGRAM**, St. Paul's Hospital, Vancouver, B.C.
Supervisor: Dr. R. Shick
- January-March 2003 **BRIEF GROUP PSYCHODYNAMIC PSYCHOTHERAPY**, University Hospital, Edmonton, Alberta. Supervisor: Dr. P. Steinberg
- October-December 2002 **DUAL DIAGNOSIS – MENTAL HEALTH/ADDICTIONS**, Humber River Regional Hospital, Toronto, Ontario. Supervisor: Dr. E. Styrsky
- September 2002 **RURAL PSYCHIATRY/GERIATRIC PSYCHIATRY**, Penticton, B.C.
Supervisor: Dr. M. Cooper
- July-August 2002 **COMMUNITY FORENSIC/INFANT PSYCHIATRY**, Nanaimo, B.C.; South Mental Health Team. Supervisors: Dr. J. Smith; Dr. M. Blank
- April-June 2002 **NEUROPSYCHIATRY**, University Hospital, Vancouver, B.C.
Supervisors: Dr. T. Hurwitz, Dr. A. Scamvougeras, Dr. L. Berzen
- January-March 2002 **CONSULTATION-LIAISON PSYCHIATRY**, Vancouver General Hospital
Supervisor: Dr. R. Hewko
- October-December 2001 **EMERGENCY PSYCHIATRY**, Vancouver General Hospital
Supervisor: Dr. M. Levy

July-September 2001	GERIATRIC PSYCHIATRY , <i>Riverview Hospital, Port Coquitlam, B.C.</i> Supervisors: Dr. A. Kang, Dr. R. Stowe
January-June 2001	CHILD & ADOLESCENT PSYCHIATRY , <i>British Columbia Children's Hospital</i> Supervisor: Dr. D. Louie
July-December 2000	CHRONIC CARE PSYCHIATRY , <i>Riverview Hospital; Strathcona Community Care Team</i> Supervisors: Dr. S. Altman; Dr. C. Emes, Dr. D. Hutnyk
July 1999-June 2000	GENERAL ADULT PSYCHIATRY , <i>St. Paul's Hospital, Vancouver, B.C.</i> Supervisors: Dr. V. Banno (outpatient); Dr. R. Remick, Dr. S. Wiseman (inpatient)
July 1998-June 1999	ROTATING INTERNSHIP , <i>Royal Jubilee Hospital, Victoria General Hospital</i> Director: Dr. J. Stockdill; <i>Victoria, B.C.</i>

TEACHING ACTIVITIES

FORMAL INSTRUCTION

January-March 2003, 2004: I introduced neuroradiological cases to supplement neuroanatomy teaching in the 2nd year UBC medical/dental Brain and Behaviour Course. This was met with so much positive feedback from the students that Dr. Joanne Weinberg, the head of the course, asked me to further develop this curriculum. Neuropsychiatry fellows routinely present cases as part of the neuroanatomy lab now.

January-March 2005, 2006, 2007: I led seminars in Clinical Skills in Psychiatry for the 2nd year medical/dental student Brain and Behaviour Block.

January, March, June, 2007: I taught seminars in Neurosciences to UBC 3rd and 4th year Psychiatry Residents in Stroke for Psychiatrists, Movement Disorders for Psychiatrists, and Neurosurgery for Mental Disorders.

June, 2010: I organized the accreditation of the Neuropsychiatry Fellowship at the University of British Columbia by the United Council of Neurologic Subspecialties.

INVITED LECTURES

Non-UBC Affiliated

October 2014: Conversion Disorder: The Psychiatrist's Perspective. BC Parkinson's Disease Network Summit, Opus Hotel.

April 2014: When is it NOT a head injury? Somatization and Post-concussive Syndrome. Trial Lawyers Association of British Columbia. Brain Injury Conference. Vancouver, B.C.

September 2013: A Case of Disinhibition Mistaken for Mania. Course in Clinical Cases in Neuropsychiatry. Canadian Psychiatric Association Meeting, Ottawa, Ontario.

September 2012: An Approach to the Assessment and Management of Complicated Somatoform Disorder Patients. Pacific Psychopharmacology Conference (University of British Columbia, Continuing Professional Development); Coast Hotel, Coquitlam, British Columbia.

February 2012: Management of the Somatizing Patient. Post-Grad Review in Family Medicine. Marriott Pinnacle Hotel. Vancouver, B.C.

September 2011: The Neuropsychiatry of Huntington Disease. Canadian Psychiatric Association Meeting. Hotel Vancouver, Vancouver, B.C.

May 2011: Psychiatric Symptoms in Patients with Parkinson's Disease. Challenges in the Assessment and Management of Patients with Psychogenic Movement Disorders and Other Conversion Disorders. American Psychiatric Association Meeting, Honolulu, HI.

September 2010: Psychogenic Movement Disorders. Forefronts in Neurology; Whistler, B.C.

September 2008: The Neuropsychiatry of Parkinson's Disease. Canadian Psychiatric Association Meeting. Hotel Vancouver, Vancouver, B.C.

October 2005: Organic Causes of Denial. Canadian Psychiatric Association Meeting, Hotel Vancouver, Vancouver, B.C.

UBC Affiliated

May 2014: The Neuropsychiatry of Movement Disorders. Burnaby Mental Health and Addictions Continuing Education Services. Burnaby General Hospital, Burnaby, B.C.

January 2014: Update on the Assessment and Management of Psychiatric Complications of Parkinson's Disease. Geriatric Psychiatry Grand Rounds. Vancouver General Hospital, Vancouver, B.C.

September 2013: A Case of Disinhibition Mistaken for Mania and Review of Frontotemporal Dementia. British Columbia Neuropsychiatry Program Rounds, University of British Columbia Hospital, Vancouver, B.C.

September 2012: A Case of Dopamine Dysregulation in Parkinson's Disease, British Columbia Neuropsychiatry Program Rounds, University of British Columbia Hospital, Vancouver, B.C.

May 2012: Update in Deep Brain Stimulation for Treatment Refractory Depression. Mood Disorders Grand Rounds. University of British Columbia Hospital. Vancouver, B.C.

February 2012: Update in Deep Brain Stimulation for Treatment Refractory Depression. St. Paul's Hospital Psychiatry Grand Rounds. Vancouver, B.C.

March 2011: Psychogenic Movement Disorders. Lion's Gate Hospital Psychiatry Grand Rounds.

September 2009: Bradyphrenia: Pathological Slowing of Mental Processes. BC Neuropsychiatry Program Rounds, UBC Hospital.

June 2009: The Pathophysiology of Attentional Disturbance. Consultation-Liaison Psychiatry Retreat. Whistler, B.C.

February 2008: Panksepp's Affective Neuroscience: A Review of the Chapter on the Seeking System and Anticipatory States of the Nervous System. BC Neuropsychiatry Program Rounds, UBC Hospital.

January 2008: Treating Somatization: A Cognitive-Behavioral Approach: Book Review. BC Neuropsychiatry Program Rounds, UBC Hospital.

June 2007: An Update in Deep Brain Stimulation for the Treatment of Refractory Depression. Mt. St. Joseph's Hospital Psychiatry Grand Rounds.

May 2007: An Update in Deep Brain Stimulation for Treatment-Refractory Depression. ECT Journal Club and City-Wide Rounds, Seasons in the Park.

March 2007: An Update in Deep Brain Stimulation for Treatment-Refractory Depression. Vancouver General Hospital Psychiatry Grand Rounds.

March 2007: Review of Chapter on Attention from M. Mesulam's Behavioral and Cognitive Neurology Textbook. BC Neuropsychiatry Program Rounds, UBC.

January 2007: Deep Brain Stimulation in Treatment-Refractory Depression. St. Paul's Hospital Psychiatry Grand Rounds.

December 2006: The Neuromodulation of Mood. UBC Neurosciences Grand Rounds, Vancouver General Hospital.

November 2006: Persistent Post-Concussive Syndrome and the Lithuanian Studies. BC Neuropsychiatry Program Rounds.

September 2006: Causalgia-Dystonia Syndrome: Is this a Somatoform Disorder? BC Neuropsychiatry Program Rounds, UBC.

November 2005: Right Parietal Lobe Syndromes. BC Neuropsychiatry Program Rounds, UBC.

November 2005: Organic Causes of Denial. Vancouver General Hospital Psychiatry Grand Rounds.

October 2005: Mania After Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. BC Neuropsychiatry Program Rounds, UBC.

August 2005: Organic Causes of Denial. BC Neuropsychiatry Program Rounds, UBC.

December 2004: HIV-Associated Dementia. St. Paul's Hospital Psychiatry Grand Rounds.

October 2004: HIV-Associated Dementia. BC Neuropsychiatry Program Rounds, UBC.

September 2010: Psychogenic Movement Disorders. BC Neuropsychiatry Program Rounds, UBC Hospital; and Forefronts in Neurology Conference; Whistler, B.C.

September 2009: Bradyphrenia: The Pathological Slowing of Mental Processes. BC Neuropsychiatry Program Rounds, UBC Hospital.

June 2009: The Pathophysiology of Attentional Disturbances. UBC Consultation-Liaison Psychiatry Retreat. Whistler, B.C.

September 2008: The Neuropsychiatry of Parkinson's Disease. Canadian Psychiatric Association Meeting. Vancouver, B.C.

February 2008: Panksepp's Affective Neuroscience: A Review of the Chapter on the Seeking System and Anticipatory States of the Nervous System. BC Neuropsychiatry Program Rounds, UBC Hospital.

January 2008: Treating Somatization: A Cognitive-Behavioral Approach: Book Review. BC Neuropsychiatry Program Rounds, UBC Hospital.

June 2007: An Update in Deep Brain Stimulation for the Treatment of Refractory Depression. Mt. St. Joseph's Hospital Psychiatry Grand Rounds.

May 2007: An Update in Deep Brain Stimulation for Treatment-Refractory Depression. ECT Journal Club and City-Wide Rounds, Seasons in the Park.

March 2007: An Update in Deep Brain Stimulation for Treatment-Refractory Depression. Vancouver General Hospital Psychiatry Grand Rounds.

March 2007: Review of Chapter on Attention from M. Mesulam's Behavioral and Cognitive Neurology Textbook. B.C. Neuropsychiatry Program Rounds, UBC.

January 2007: Deep Brain Stimulation in Treatment-Refractory Depression. St. Paul's Hospital Psychiatry Grand Rounds.

December 2006: The Neuromodulation of Mood. UBC Neurosciences Grand Rounds, Vancouver General Hospital.

November 2006: Persistent Post-Concussive Syndrome and the Lithuanian Studies. BC Neuropsychiatry Program Rounds.

September 2006: Causalgia-Dystonia Syndrome: Is this a Somatoform Disorder? BC Neuropsychiatry Program Rounds, UBC.

November 2005: Right Parietal Lobe Syndromes. BC Neuropsychiatry Program Rounds, UBC.

November 2005: Organic Causes of Denial. Vancouver General Hospital Psychiatry Grand Rounds.

October 2005: Mania After Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. BC Neuropsychiatry Program Rounds, UBC.

October 2005: Organic Causes of Denial. Canadian Psychiatric Association Meeting, Vancouver, B.C.

August 2005: Organic Causes of Denial. BC Neuropsychiatry Program Rounds, UBC.

December 2004: HIV-Associated Dementia. St. Paul's Hospital Psychiatry Grand Rounds.

October 2004: HIV-Associated Dementia. BC Neuropsychiatry Program Rounds, UBC.

June 2004: The Latest in Cognitive Impairment in Multiple Sclerosis. MS Clinic Journal Club, UBC.

INFORMAL SUPERVISION

July 1999-June 2005: Informal supervision of medical students and junior residents in psychiatry during psychiatry and neuropsychiatry training.

FORMAL SUPERVISION

July 2005-current: Formal supervision of medical students, junior and senior residents in psychiatry, neurology, and physical medicine and rehabilitation, and the neuropsychiatry fellow.

AREAS OF INTEREST

Differentiating MRI white matter lesions in MS and HAM-TSP in BC Aboriginals (manuscript published in residency)

Ameliorating cognitive dysfunction in schizophrenia (case report published in residency)

Deep Brain Stimulation for Treatment-Refractory Depression in conjunction with Dr. R. Lam in mood disorders and Dr. C. Honey in neurosurgery (research 2006-current).

Movement disorders and psychiatric sequelae including chapters written on Bradyphrenia and Neuroleptics in the Encyclopedia of Movement Disorders.

Education of patients and families on Understanding Unexplained Medical Symptoms (pamphlet published by CMHA)

Education of colleagues on Understanding Unexplained Medical Symptoms (manuscript in progress on "An Approach to the Understanding and Management of Complicated Somatoform Patients.")

PROFESSIONAL ACTIVITIES

Member – Continuing Professional Development Committee facilitating Regional Department of Psychiatry Grand Rounds, 2014-current

Member – Leadership and Quality Improvement Committee, 2013-2014

Education coordinator – Neuropsychiatry Program, 2009-present

Member:

RCPSC – 2004-present

CMA – 2004-present

BCPA/BCMA – 2004-present

American Neuropsychiatry Association – 2007-present

Movement Disorder Society – 2010-present

PUBLICATIONS/RESEARCH

- 2014 **MOVEMENT DISORDERS:**
Howard, AK et al. **Aripiprazole for Trichotillomania in Huntington Disease.**
Submitted to the Journal of Neuropsychiatry and Clinical Neurosciences.
- 2014 **DEEP BRAIN STIMULATION FOR TREATMENT REFRACTORY DEPRESSION:**
Bogod NM et al. (2014). **Long-term neuropsychological safety of subgenual gyrus deep brain stimulation for treatment-resistant depression.** J Neuropsychi Clin Neurosci 26 (2):
126-133.
- 2012 Lozano AM et al. (2012). **A multicenter pilot study of subcallosal cingulate area deep brain stimulation for treatment-resistant depression.** J Neurosurg 116; 315-322.
- Howard A et al. (2012). **Deep brain stimulation interruption and suicidality.** J Neurosurg 116: 467-468.
- 2010 **MOVEMENT DISORDERS:** Howard AK and M Zurowski (2010). **Bradyphrenia.** In: Kompoliti K, and Verhagen Metman L (eds.) Encyclopedia of Movement Disorders, vol 2, pp 161-165 Oxford: Academic Press.
- Howard AK and M Zurowski (2010). **Neuroleptics and Movement Disorders.** In: Kompoliti K, and Verhagen Metman L (eds.) Encyclopedia of Movement Disorders, vol 2, pp 282-291 Oxford: Academic Press.
- 2009 **CLINICAL PSYCHIATRY:** Lam RW, Chan P, and A Howard. **Somatic Treatments for Bipolar Disorder** in Yatham LN and Kusumakar V, Bipolar Disorder, 2nd ed. New York: Routledge, 2009.
- 2008 **CLINICAL PSYCHIATRY:** Hadjipavlou G, Lai A, Baer S, & A. Howard (2008). **Selective Sound Intolerance and Emotional Distress: What Every Clinician Should Hear.** Psychosomatic Medicine; 70: 737-40.
- 2002 **CLINICAL PSYCHIATRY:** We studied the benefits of the acetylcholinesterase inhibitor, donepezil, on the cognitive performance of a woman suffering from schizophrenia and associated dementia. **Howard, A.K. et al. Donepezil for memory dysfunction in schizophrenia. Journal of Psychopharmacology, 16 (3), 2002**

Supervisor: Dr. W. Honer – Department of Psychiatry
Riverview Hospital; Port Coquitlam, B.C.

- 1996 **NEUROSCIENCES:** We identified criteria to improve the specificity of MRI in diagnosing progressive MS and reported MRI findings in B.C. Natives suffering from HTLV-I associated myelopathy. **Howard, A.K. et al. MRI Contributes to the Differentiation Between MS and HTLV-I Associated Myelopathy in British Columbian Coastal Natives. Canadian Journal of Neurological Sciences, 30, 2003.**
Supervisors: Drs. D. Li, J. Oger – Departments of Radiology, Medicine/Neurology
University Hospital; Vancouver, B.C.
- 1995 **GENETICS/CARDIOVASCULAR DISEASE:** We pursued the association between heart disease and genetic mutations in the lipoprotein lipase enzyme using PCR of peripheral blood cells from the Framingham Study population. Published in **Circulation.**
Supervisor: Dr. M. Hayden – Canadian Genetic Diseases Network
University of British Columbia; Vancouver, B.C.