

Stephen Burnie, BSc (Hon), DC, CAFCI, MSc, CPed

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(647) 208-4950 e-mail: sburnie@cmcc.ca

SKILLS

- Excellent clinical skills in chiropractic, acupuncture, orthotics, and rehabilitation
- Exceptional diagnostic and assessment skills, proficient in IMEs
- Teaching skills (faculty member at CMCC)
- Extensive research skills (Mount Sinai Hospital, CMCC, McMaster University)

EDUCATION

- 2008 – 2009 **McMASTER UNIVERSITY**, Hamilton, ON
Completing Medical Acupuncture program to attain Fellowship status
- 2007 – 2008 **ROBERT M. PALMER INSTITUTE OF BIOMECHANICS**, Elwood, IN
Pedorthics Program – licensed as a Certified Pedorthist (C.Ped.) in Aug. 2008
- 2005 – 2007 **McMASTER UNIVERSITY**, Hamilton, ON
Masters of Science program in Rehabilitation Science (MSc)
- 2001 – 2005 **CANADIAN MEMORIAL CHIROPRACTIC COLLEGE**, Toronto, ON
Doctor of Chiropractic program (DC)
- 2004 – 2005 **UNIVERSITY OF TORONTO / ACUPUNCTURE FOUNDATION OF CANADA INSTITUTE (AFCI)**, Toronto, ON
Medical Acupuncture training with CAFCI designation
- 1997 – 2001 **McMASTER UNIVERSITY**, Hamilton, ON
Honours double major in Biology and Psychology (BSc Hon)

CLINICAL EXPERIENCE

- April '08 – Present **CANADIAN MEMORIAL CHIROPRACTIC COLLEGE**, Toronto, ON
Resource Clinician – Supervising clinician at student clinics
- Dec '07 – Present **CANADIAN REHABILITATION INSTITUTE**, Toronto, ON
Consultant Assessor - Perform independent chiropractic assessments
- Feb '08 – Present **ASSESSMED**, Toronto, ON
Consultant Assessor – Perform independent chiropractic assessments
- Feb '06 – Present **FAMILY HEALTH PRACTICE**, Toronto, ON
Chiropractor - Work with family doctors on a multidisciplinary team
- Aug '05 – Present **CHIROPRACTIC HOUSE CALL SERVICE**, Toronto, ON
Chiropractor - Provide chiropractic care in-home and at nursing homes

Dec '04 – June '05 **LESLIE ST. WALK-IN CLINIC**, Toronto, ON
Clinical Intern - Treated patients in a general practice environment

May '04 – Dec '04 **SHERBOURNE HEALTH CENTRE**, Toronto, ON
Clinical Intern - Practiced in multidisciplinary health clinic

RESEARCH EXPERIENCE

June '07 – Present **McMASTER UNIVERSITY**,
Institute of Applied Health Sciences, Hamilton, ON
Affiliate Investigator, HaNSA Research Team and Cervical Overview Group

- Work with a multidisciplinary team of researchers on the McMaster HaNSA (Hand and Neck, Shoulder, & Arm) research group examining manual therapies for neck pain
- Lead investigator of validity assessment team for Cochrane reviews of exercise, manipulation/mobilization, pharmaceutical intervention, and education for mechanical neck disorders
- Lead author on a systematic review of dosage response to manipulation and mobilisation for mechanical neck disorders (being prepared for submission)
- Co-author of a Cochrane Review update on neck manipulation and mobilisation for mechanical neck disorders (in press)

Aug '07 - Present **RESEARCH REVIEW SERVICE**,
Clinical Research Review Author, www.researchreviewservice.com

- Write weekly reviews of clinically relevant research for manual therapy providers (chiropractors, physiotherapists, occupational therapists)

Sept '05 – June '07 **McMASTER UNIVERSITY**,
School of Rehabilitation Sciences, Hamilton, ON
Student, Masters of Science in Rehabilitation Science program

- Studied under the guidance of a multidisciplinary team of researchers with expertise in rehabilitation sciences examining manual therapies for neck pain
- Student member of the HaNSA research group

June '02 – June '05 **CANADIAN MEMORIAL CHIROPRACTIC COLLEGE**,
Division of Research, Toronto, ON
Independent Investigator, Laboratory Technician

- Received grant from the Ministry of Health and Long Term Care and the Ontario Chiropractic Association to design and perform study on the effects of spinal manipulation on the immune system with an Immunologist
- Lab experimentation and analysis of results, manuscript preparation and submission

Summers '99 – '01 **MOUNT SINAI HOSPITAL**,
Molecular Pathology Department, Toronto, ON
Research Assistant, Breast Cancer Genetics

- Awarded the University of Toronto Life Sciences Award for Research

RESEARCH APPOINTMENTS

- Sept '05 – Aug '07 **Research Fellow**, Foundation for Chiropractic Education and Research (FCER)
Sept '05 – Aug '07 **Strategic Training Fellow in Rehabilitation Research**, Canadian Institutes of Health Research (CIHR)
- Sept '03 – June '05 **Student Research Grant**, Ontario Ministry of Health and Long Term Care (MOHLTC)
- June '02 – June '05 **Student Researcher**, Canadian Memorial Chiropractic College (CMCC)

VOLUNTEER WORK

- Sept '04 – Present **ONTARIO CHIROPRACTIC ASSOCIATION**, Mississauga ON
Committee Member, Student Committee

AWARDS

- Recipient of the CMCC Board of Governor's Chair's Award (2005)
- Recipient of the Dr. Michael Brickman Memorial Graduation Award (2005)
- Recipient of the Douglas Brown Memorial Award for academic achievement (2004)
- Recipient of the Nicola Tantalo Award for community service (2003)
- Recipient of the CMCC Governors' Club Corporate Members Award (2002)
- Recipient of University of Toronto Life Sciences Award (2001)

PUBLICATIONS & PRESENTATIONS

Gross A, Haines T, Goldsmith CH, Santaguida P, McLaughlin L, Peloso P, **Burnie S**, Hoving J. Knowledge to action: A challenge about neck pain treatment. *Journal of Orthopedic Sports Physical Therapy*. In press, January-February 2009.

Graham N, Gross A, Goldsmith CH, Klaber Moffett J, Haines T, **Burnie SJ**, Peloso PM. Mechanical traction for neck pain with or without radiculopathy. *Cochrane Database of Systematic Reviews* 2008, Jul 16;(3):CD006408.

Peloso P, Gross A, Haines T, Trinh K, Goldsmith CH, **Burnie S**, Cervical Overview Group. Medicinal and injection therapies for mechanical neck disorders. *Cochrane Database of Systematic Reviews* 2007, Jul 18;(3):CD000319.

Yazici H, Glendon G, **Burnie SJ**, et al. BRCA1 and BRCA2 mutations in Turkish familial and non-familial ovarian cancer patients: a high incidence of mutations in non-familial cases. *Human Mutation* 2002; 20: 28-34.

Burnie SJ, Gross AR, Goldsmith C, Cervical Overview Group (COG). A systematic review of the dosage effects of neck manipulation and mobilization. Poster presented at the 5th Canadian Cochrane Symposium, Knowledge for Health, February 12-13, 2007, Ottawa, Ontario.

Burnie SJ, Gross AR. The dosage effect of manipulation and mobilization for mechanical neck disorders: a systematic review. Presented at the World Congress of Physiotherapy, June 2-6, 2007, Vancouver, BC.

Injeyan S, Teodorczyk-Injeyan J, **Burnie S**, Ruegg R. Augmentation of Interleukin 2 (IL-2) induced antibody production following a single spinal manipulative therapy in normal subjects. Presented at The Conference on Chiropractic Research, September 15-16, 2006, Chicago, Illinois.