TEACHING DOSSIER

Dr. Michael Christopher Wallace, Professor

University of Toronto

Department of Surgery

DIVISION OF NEUROSURGERY

TORONTO WESTERN HOSPITAL

1987 - 1988 to 2011 - 2012
TEACHING DOSSIER

ACADEMIC YEAR 2011 - 2012

UNDERGRADUATE TEACHING

YEAR III

Year III Seminars, evaluation of coma and intracranial mass lesions.
(2)

POSTGRADUATE TEACHING

Director, W. Lougheed Microsurgical Course, September 2011. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

CLINICAL FELLOWS

Cristian Valdes, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Jacob Fairhall, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital
TEACHING DOSSIER

ACADEMIC YEAR 2010 - 2011

UNDERGRADUATE TEACHING

YEAR I

Tutor, Brain and Behaviour.
(12)

YEAR III

Year III Seminars, evaluation of coma and intracranial mass lesions.
(2)

POSTGRADUATE TEACHING

Director, W. Lougheed Microsurgical Course, October 2010, April 2011. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).
(105)

ELECTIVE STUDENTS

Daniel Mandelsohn, Year IV Medical Student, University of Western Ontario, Clinical Neurosurgery Elective

Daria Krivosheya, Year IV Medical Student, University of British Columbia, Clinical Neurosurgery Elective

Eva Knifed, Year IV Medical Student, University of Western Ontario, Clinical Neurosurgery Elective
Jeffrey Wilkinson, Year IV Medical Student, University of Saskatchewan, Clinical Neurosurgery Elective
UNDERGRADUATE TEACHING

YEAR I

Tutor, Brain and Behaviour.  
(12)

YEAR III

Surgical Clerkship Oral Exam.  
(4)

POSTGRADUATE TEACHING

Director, W. Lougheed Microsurgical Course, October 2009, March 2010.  Registrants from across Canada.  8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals.  Funding registration fee and industry support.  (Responsible for Major Design of Course).  
(80)

Examiner, Royal College of Physicians and Surgeons of Canada, Division of Neurosurgery.  
(30)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year.  (Responsible for Major Design of Course).  
(105)

ELECTIVE STUDENTS

Anthony Lau, Year III Medical Student, Queen's University, Clinical Neurosurgery Elective

Brian Nadler, Year III Medical Student, McGill Univeristy, Clinical Neurosurgery Elective

Graham Belovay, Year III Medical Student, McMaster University, Clinical Neurosurgery Elective
Jeremy Bezchlibnyk, Year III Medical Student, University of Toronto, Clinical Neurosurgery Elective

Kashif Parvez, Year III Medical Student, University of Toronto, Clinical Neurosurgery Elective

Laura Minchell, Year V Medical Student, University of Manchester, Clinical Neurosurgery Elective

Rita Nguyen, Year III Medical Student, University of Saskatchewan, Clinical Neurosurgery Elective

Sumit Jhas, Year IV Medical Student, Queen's University, Clinical Neurosurgery Elective

CLINICAL FELLOWS

Amal Abou-Hamden, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Ivan Radovanovic, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital
TEACHING DOSSIER

ACADEMIC YEAR 2008 - 2009

UNDERGRADUATE TEACHING

YEAR II

ASCM OSCE Exam.
(3)

YEAR III

Surgical Clerkship Oral Exam.
(4)

Year III Seminars, evaluation of coma, intracranial mass lesions, lumbar puncture.
(2)

POSTGRADUATE TEACHING

Director, W. Lougheed Microsurgical Course, March 2009. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).
(105)

ELECTIVE STUDENTS

Brian Drake, Year V, Royal College of Surgeons in Ireland

Christina Laitenberg, Senior Medical Student, Germany, Clinical Neurosurgery Elective

Ivan Ho, Senior Medical Student, University of Calgary, Clinical Neurosurgery Elective
Jessica Spence, 1st Year Medical Student, University of Manitoba, Clinical Neurosurgery Elective

Michael Tso, Senior Medical Student, University of British Columbia, Clinical Neurosurgery Elective

Mike Da Rosa, Senior Medical Student, Dalhousie University, Clinical Neurosurgery Elective

Nathan Evaniew, Year II Medical Student, Calgary

Ritesh Kumar, Senior Medical Student, University of Ottawa, Clinical Neurosurgery Elective

Victoria Bonn, Senior Medical Student, Dalhousie University, Clinical Neurosurgery Elective

CLINICAL FELLOWS

Andre Leroux, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Susanna Bacigaluppi, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

HONOURS AND AWARDS RECEIVED

PGME 2009 Award for Excellence in Teaching Performance, Mentorship and Advocacy, Faculty of Medicine, University of Toronto. 2009
TEACHING DOSSIER

ACADEMIC YEAR 2007 - 2008

UNDERGRADUATE TEACHING

YEAR III

Surgical Clerkship Oral Exam.
(8)

Year III Seminars, evaluation of coma, intracranial mass lesions, lumbar puncture.
(8)

YEAR IV

OSCE Exam.
(11)

POSTGRADUATE TEACHING

Director, W. Lougheed Microsurgical Course, April 2008, September 2008. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

Examiner, Mock Oral Examination, Division of Neurosurgery.
(5)

Examiner, Royal College of Physicians and Surgeons of Canada, Division of Neurosurgery.
(30)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).
(105)
**ELECTIVE STUDENTS**

David Anthony Foley, Senior Medical Student, Trinity College Dublin, Ireland, Clinical Neurosurgery Elective

Faizal Haji, Senior Medical Student, McMaster University, Clinical Neurosurgery Elective

Julius Ebinu, Senior Medical Student, University of Calgary, Clinical Neurosurgery Elective

Katherine Poon, Senior Medical Student, University of Toronto, Clinical Neurosurgery Elective

Nasenien Nourkami, Senior Medical Student, University of Saarland, Germany, Clinical Neurosurgery Elective

Sacha Pierre, Senior Medical Student, Guy's, King's & St. Thomas Medical School, UK, Clinical Neurosurgery Elective

Vanessa Marie-Luise Geib, Senior Medical Student, University of Giessen, Hessen, Germany, Clinical Neurosurgery Elective

**CLINICAL FELLOWS**

Amir Dehdashti, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Laurent Thines, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

**HONOURS AND AWARDS RECEIVED**

W.T. Aikins Award for Undergraduate Teaching, Faculty of Medicine, University of Toronto. 2008
UNDERGRADUATE TEACHING

YEAR IV

OSCE Exam.
(7)

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2006-2007 fellows. 12 fellows selected. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, April 2007, October 2007. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

Examiner, Mock Oral Examination, Division of Neurosurgery.
(13)

Examiner, Royal College of Physicians and Surgeons of Canada, Division of Neurosurgery.
(30)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).
(105)

ELECTIVE STUDENTS

Cameron McDougall, Senior Medical Student, University of Saskatchewan, Clinical Neurosurgery Elective

Fady Girgis, Senior Medical Student, University of Calgary, Clinical Neurosurgery Elective
George (Jiri) Melich, Senior Medical Student, McGill Medical School, Clinical Neurosurgery Elective

George Ibrahim, Senior Medical Student, University of Calgary, Clinical Neurosurgery Elective

Godefroy hardy-St-Pierre, Senior Medical Student, Universite Laval, Clinical Neurosurgery Elective

Michael Ellis, Senior Medical Student, University of Manitoba, Clinical Neurosurgery Elective

Ryan Alkins, Senior Medical Student, University of British Columbia, Clinical Neurosurgery Elective

CLINICAL FELLOWS

Thomas Kretschmer, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD
  Epigenetics Endothelium
  Charles Matouk S

- MSc
  Pediatric posterior fossa tumors: Preoperative predictors of chronic hydrocephalus
  Jay Riva-Cambrin I
UNDERGRADUATE TEACHING

YEAR III

Coma Seminar.
(1)

Lumbar Puncture Skills Session.
(2)

Surgical Clerkship Oral Exam.
(2-1/2)

YEAR IV

Clinical Clerk Rotation Supervision: Danny Ng.

Examiner, Surgery Clerkship OSCE.
(5)

POSTGRADUATE TEACHING

CanMeds Workshop at Vaughan Estates for residents.
(4)

Director, W. Lougheed Microsurgical Course, April 2006, October 2006. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
(80)

Examiner, Royal College of Physicians and Surgeons of Canada, Division of Neurosurgery.
(30)

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of
C.M.E. TEACHING/INVOLVEMENT

Sep 7, 2005  Career Night Seminars:  Neurosurgery Residency at University of Toronto.  
(3)

Nov 25, 2005  Neurosurgical Aspects of Cerebrovascular Disease, Core Neurology Residents Lecture, University of Toronto.  
(2)

ELECTIVE STUDENTS

Basil Hassouneh, Senior Medical Student, McMaster University, Clinical Neurosurgery Elective

Christopher Deline, Senior Medical Student, Ross University School of Medicine, Clinical Neurosurgery Elective

Ryan Janicki, Senior Medical Student, University of British Columbia, Clinical Neurosurgery Elective

Toby Chan, Senior Medical Student, University of Ottawa, Clinical Neurosurgery Elective

CLINICAL FELLOWS

Thorstein Gunnarsson, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD  
  Epigenetics Endothelium  
  Charles Matouk S

- MSc  
  The impact of therapeutic modality on outcomes following repair of ruptured intracranial aneurysms:  An administrative data analysis  
  Cian O'Kelly J
OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT
UNIVERSITIES/ORGANIZATIONS


HONOURS AND AWARDS RECEIVED

Wightman- Berris Academy Individual Teaching Award. 2006
TEACHING DOSSIER

ACADEMIC YEAR 2004 - 2005

UNDERGRADUATE TEACHING

YEAR I
Tutor, Brain and Behaviour, Intracranial Pressure and Cerebral Blood flow. (2)

YEAR III
Clinical Clerk Rotation Supervision: Suneil Kalia.
Coma Seminar. (1)
Lumbar Puncture Skills Session. (2)
Year III Seminars, evaluation of coma, neurosurgery bedside assessment. (12)

YEAR IV
Clinical Clerk Rotation Supervision: Sumit Kumar Gupta.
Examiner, Surgery Clerkship OSCE. (3)

POSTGRADUATE TEACHING
Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2004-2005 fellows. 12 fellows selected. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, April 2005, October 2005. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible
Examiner, Mock Oral Examination, Division of Neurosurgery.

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. **(Responsible for Major Design of Course).**

**TEACHING CONTRIBUTIONS (OTHER FACULTY)**

Town Hall Meeting, Task Force Undergraduate Marking System.

**ELECTIVE STUDENTS**

Andrea Chamczuk, Senior Medical Student, Saba University, Clinical Neurosurgery Elective

Hani Joseph Marcus, Senior Medical Student, Cambridge University UK, Clinical Neurosurgery Elective

Mohamed Labib, Senior Medical Student, McGill Medical School, Clinical Neurosurgery Elective

Peter Gooderham, Senior Medical Student, University of British Columbia, Clinical Neurosurgery Elective

Sandip Hindocha, Senior Medical Student, University of Manchester, Clinical Neurosurgery Elective

**CLINICAL FELLOWS**

Julian Spears, Clinical Fellow, Interventional Neuroradiology, Division of Neurosurgery & Department of Medical Imaging, Toronto Western Hospital, St. Michael's Hospital

Leodante Batista da Costa, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Thorstein Gunnarsson, Clinical Fellow, Interventional Neuroradiology, Division of Neurosurgery, Toronto Western Hospital
GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD
  Epigenetics Endothelium
  Charles Matouk P

- MSc
  Treatment paradigms/decision making: Intracranial aneurysms
  Cian O'Kelly J

- MSc
  Predicting success with radiosurgery of brain AVMs
  Kirsten Burton P

MEDICAL STUDENTS

Katherine Poon, Mentor, Year I, meetings to discuss career choice, shadowing in office
UNDERGRADUATE TEACHING

YEAR I
Symposium, CSF, ICP, CBF and CMR Case Presentations. (2)

YEAR III
Clerk Oral Examination. (4.5)
Clinical Clerk Seminar. (14)
Surgical Clerkship Oral Exam. (6)

YEAR IV
Clinical Clerk Rotation Supervision: Jeffrey Rothenstein.

POSTGRADUATE TEACHING
Core Surgical Skills Curriculum, Introduction to Microsurgery and Skin Grafting. (2.5)

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2003-2004 fellows. 11 fellows selected. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, April 2004, October 2004. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding registration fee and industry support. (Responsible for Major Design of Course).
Examiner, Mock Oral Examination, Division of Neurosurgery.

Neuroscience Course JNR1114 April 2004 - Basic Science Mechanisms in Cerebral Ischemia.

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).

ELECTIVE STUDENTS

Anna Bendzsak, Senior Medical Student, University of British Columbia, Clinical Neurosurgery Elective
Aylin Alemdar, Year IV Medical Student, Dalhousie University, Clinical Neurosurgery Elective
Cindy Lee, Year III, Clinical Neurosurgery Elective
Douglas Cook, Year III Medical Student, Dalhousie University, Clinical Summer Elective
Elissa Price, Year III, Clinical Neurosurgery Elective
Jason Beiko, Senior Medical Student, University of Ottawa, Clinical Neurosurgery Elective
Mansour Isalou, Senior Medical Student, McMaster University, Clinical Neurosurgery Elective
Toby Chan, Year I Medical Student, University of Ottawa, Summer Clinical Elective

CLINICAL FELLOWS

Mohsen Javadpour, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital
Thorstein Gunnarsson, Clinical Fellow, Interventional Neuroradiology, Division of Neurosurgery & Department of Medical Imaging, Toronto Western Hospital, St. Michael's Hospital
GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD  
  Epigenetics Endothelium  
  Charles Matouk P

MEDICAL STUDENTS

Teresa Pun, Mentor, Year I, meetings to discuss career choice, shadowing in office

Teresa Pun, Mentor, Year II, meetings to discuss career choice, shadowing in office
TEACHING DOSSIER

ACADEMIC YEAR 2002 - 2003

UNDERGRADUATE TEACHING

YEAR I
Symposium, CSF, ICP, CBF and CMR Case Presentations.
(2)

YEAR III
Clinical Clerk Seminar.
(3)

Clinical Clerk Seminar.
(7)

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2002-2003 fellows. 11 fellows selected. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 2002, October 2003. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of Course).
(105)
C.M.E. TEACHING/INVOLVEMENT

Jan 7, 2003 Judge, Medical Student Research Day, University of Toronto, Faculty of Medicine.

(2)

ELECTIVE STUDENTS

Aditya Bharatha, Year IV, University of Toronto, Clinical Neurosurgery Elective
Angela Mahajan, Senior Medical Student, University of Vermont, Clinical Neurosurgery Elective
Babak Maleki, Senior Medical Student, McMaster University, Clinical Neurosurgery Elective
Borhan Al-Atassi, Senior Medical Student, McGill University, Clinical Neurosurgery Elective
Colin Kazina, Senior Medical Student, University of Manitoba, Clinical Neurosurgery Elective
Fawaz Siddiqi, University of Western Ontario, Clinical Neurosurgery Elective
Nabiha Saleem, Senior Medical Student, University of Leeds, England, Clinical Neurosurgery Elective
Tejas Sankar, Senior Medical Student, McGill University, Clinical Neurosurgery Elective

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD
  Epigenetics Endothelium
  Charles Matouk S

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


HONOURS AND AWARDS RECEIVED

Wightman- Berris Academy Anderson Award for Undergraduate Education. 2003
TEACHING DOSSIER

ACADEMIC YEAR 2001 - 2002

UNDERGRADUATE TEACHING

YEAR I

Symposium, CSF, ICP, CBF and CMR Case Presentations.
(2)

Tutor, Brain and Behaviour  3 tutorial sessions for 12 weeks.
(24)

YEAR II

Skills Session, "Introduction to Microsurgery", University of Toronto Surgical Skills Centre.
(2)

YEAR III

Clinical Clerk Rotation Supervision: Winnie Lee, Donald Zhang.

Seminar.
(1)

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2002-2003 fellows. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 2001, April 2002. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. (Responsible for Major Design of
C.M.E. TEACHING/INVOLVEMENT

Jun 16, 2001 Chairman on Stroke Course. Case presentation and discussion on hemorrhagic stroke. Scientific Program, 36th Meeting of the Canadian Congress of Neurological Sciences, Halifax, Canada. (Responsible for Major Design of Course).

Jan 8, 2002 Judge, Medical Student Research Day, University of Toronto, Faculty of Medicine.

SUMMER STUDENTS

Julie Turnbull, Summer research project on computerization of aspects of the clinical training program in the Division of Neurosurgery

Val Muralikrishnan, Summer research student, Heart & Stroke Research Scholarship with Dr. A. Guha

ELECTIVE STUDENTS

Adrian Laxton, Year III, Clinical Neurosurgery Elective

Alim Mitha, Year III, University of Alberta, Clinical Neurosurgery Elective

Dominik Stricker, Technical University of Muenchen, Germany, Clinical Neurosurgery Clerk

Doron Rabin, Year III, Queen's University, Clinical Neurosurgery Elective

Gregory Hawryluk, Year IV, University of Alberta, Clinical Neurosurgery Elective

Hussain Aboud, Dundee Medical School, Scotland, Clinical Neurosurgery Elective

Raymond Yong, Year III, University of Calgary, Clinical Neurosurgery Elective

RESEARCH FELLOWS

Dr. Junichiro Satomi, Postgraduate Research Fellow, Histochemistry of brain arteriovenous malformations
CLINICAL FELLOWS

Carl Bruce, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western, Division of Neurosurgery, Toronto Western Hospital

Marc van Dijk, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Peter Rivera, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Tommy Andersson, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD
  Neuropsychological impairment postcoronary bypass surgery: The effects of insulin on cognitive deficits
  Michael Borger A
UNDERGRADUATE TEACHING

Clinical Clerk Rotation Supervision: Robert Geisler, Mel Boulton.

YEAR I

Tutor, Brain and Behaviour  3 tutorial sessions for 8 weeks.
(42)

YEAR II

ASCM.

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2001-2002 fellows. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 2000, April 2001. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

Examiner, Mock Oral Examination, Division of Neurosurgery.
(8)

Postgraduate Neurosurgery Exam Cerebrovascular Neurosurgery Module. (Responsible for Major Design of Course).

Program Director, Division of Neurosurgery, New Curriculum Development. (Responsible for Major Design of Course).
Program Director, Division of Neurosurgery, organize resident rotation, regular performance review, Chair Residency Program Committee, oversee organization and execution of didactic curriculum, attend 3 hours lecture most Fridays throughout the year. **(Responsible for Major Design of Course).**

University of Toronto, Neurology Subspecialty Rounds Surgical prevention and treatment of stroke.

**ELECTIVE STUDENTS**

Cian O'Kelly, University of Alberta, Clinical Neurosurgery Elective

Robert Schapiro, Year III, Queen's University, Clinical Neurosurgery Elective

Robert Shapiro, Year III, Queen's University, Clinical Neurosurgery Elective

Tim Darsaut, Year IV, Queen's University, Clinical Neurosurgery Elective

**RESEARCH FELLOWS**

Dr. Junichiro Satomi, Postgraduate Research Fellow, Histochemistry of brain arteriovenous malformations

**CLINICAL FELLOWS**

Dr. Jeffrey Brennan, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Tommy Andersson, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

**GRADUATE STUDENTS**

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- PhD
  - Protecting the brain during cardiac surgery
    Dr. Michael Borger I

- PhD
  - Promotion of axonal regeneration in the mammalian central nervous system
    Dr. Wai Ng I
ACADEMIC YEAR 1999 - 2000

UNDERGRADUATE TEACHING

Clinical Clerk Supervision: Grace Tavares, John Dattilo, Jason Lazarou.

YEAR I

Discovery Lab, Aneurysmal Subarachnoid Hemorrhage, Brain & Behaviour Course. (4)
Tutor, Brain and Behaviour Course 3 tutorial sessions for 8 weeks (2 hours each). (46)

YEAR II

ASCM.
University of Toronto PGY2 OSATS examiner. (5)

YEAR III

Clinical Clerk Seminars. (4)
Year III Seminar. (1)

YEAR IV

Clinical Clerk Rotation Supervision: Barbara Crawford, Raymond Tsang, Victor Pegado, Ian Bookman, John Dattilo, Ghassan Dally, Danny Perri, Peter Kan, Elaine Yeung.
GRADUATE TEACHING

Mock Oral, Cerebrovascular Graduates, Division of Neurosurgery. (2.5)

POSTGRADUATE TEACHING

Critical Care Medicine Programme, Faculty of Medicine, University of Toronto Intracerebral hemorrhage. (1)

Director, Clinical Fellowships, Division of Neurosurgery, Toronto Western Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 2000-2001 fellows. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1999, April 2000. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

C.M.E. TEACHING/INVOLVEMENT

Jun 2, 1999 - Jun 4, 1999 Guest Faculty, Moderator, Practical Course, Harvard Medical School, Boston, Massachusetts, arteriovenous malformations, vascular malformations, spinal arteriovenous malformations, spinal dural arteriovenous malformations.

Feb 22, 2000 Intracerebral hemorrhage, Critical Care Medicine Programme, Faculty of Medicine, University of Toronto. (1)

May 12, 2000 Judge for the Gallie Bateman Resident Research Competition. (5)

SUMMER STUDENTS

Scellig Stone, Medical Research Council of Canada Scholarship, Clinical Research: Clinical review of surgically managed cerebral arteriovenous malformations and The Genetics of familial intracranial aneurysms

ELECTIVE STUDENTS

Cem Cetin, Summer Clinical Neurosurgery Elective
Dana Westergaard, Year IV, Queen's University, Clinical Neurosurgery Elective

Jason Fang, Summer Clinical Neurosurgery Elective

John Kelly, Year II, Summer Clinical Neurosurgery Elective

Reza Forghani, Year IV, Summer Clinical Neurosurgery Elective (4 weeks)

Ronald Grondin, Year IV, Clinical Neurosurgery Elective (2 weeks)

Steven Reynolds, Year II, Clinical Neurosurgery Elective (3 weeks)

**CLINICAL FELLOWS**

Dr. Koji Iihara, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

Dr. Phil Porter, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, Toronto Western Hospital

**GRADUATE STUDENTS**

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc
  The role of calcium in neuronal death and regeneration after neurite transection in a cell culture model
  Gordon Chu P

- MSc
  Murine models of cerebral ischemia
  Sunu Thomas P

**OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS**


TEACHING DOSSIER

ACADEMIC YEAR 1998 - 1999

UNDERGRADUATE TEACHING

YEAR I

Brain and Behaviour Course.

Brain and Behaviour Course "Discovery Lab". (3)

YEAR II

ASCM. (20)

YEAR III

Clinical Clerk Seminars.

YEAR IV

Clinical Clerk Rotation Supervision: Ruth Lim, Tushar Mehta, William Andrade, Sameer D'Souza, Tej Sheth, Tuhina Neogi, Ari Robicsek, Joseph Ma, Alex Tsiapralis.

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 1999-2000 fellows. (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1998, April 1999. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

Neurosurgical Residents' Seminar Series The Toronto Hospital - Western Division "Carotid
endarterectomy”.
(1)

Neurosurgical Residents' Seminar Series, Toronto Western Hospital, Microvascular compression syndromes.
(2)

Nursing Education - Med-Surg/Neuro ICU, Toronto Western Hospital, "ICP monitoring: How high?".
(1)

Postgraduate Lecture Series, Division of Neurosurgery, Vascular Malformation I and II.
(4)

University of Toronto, Neurology Subspecialty Rounds - Surgical Prevention of Stroke.
(1)

C.M.E. TEACHING/INVOLVEMENT

May 20, 1998 - May 22, 1998 Guest Faculty, Practical Course, Harvard Medical School, Boston, Massachusetts, Cerebral Aneurysms, Arteriovenous Malformation and Vascular Malformations.


SUMMER STUDENTS

Darren Yuen, Heart & Stroke Foundation Student Scholarship, Clinical Research: Study of gene expression on global cerebral ischemia.

ELECTIVE STUDENTS

Ratan Bhardwaj, Year IV, Summer Elective Clinical Neurosurgery (4 weeks)
Shahid Gul, Year III, Summer Elective Clinical Neurosurgery (4 weeks)

CLINICAL FELLOWS

Dr. Mahmood Alyamany, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, The Toronto Hospital.
GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc
  The effect of seat belts on reducing injury to school-age children
  Dr. Stephen Halman E

- PhD
  The role of Caspase 1 and 3 in apoptosis following spinal cord injury
  Steven Casha E

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


TEACHING DOSSIER

ACADEMIC YEAR 1997 - 1998

UNDERGRADUATE TEACHING

YEAR I

Brain & Behaviour Tutor.
(24)

Cerebral Blood Flow, CSF Physiology.
(2)

Discovery Lab, Aneurysmal Subarachnoid Hemorrhage, Brain & Behaviour Course.
(4)

YEAR III

Clinical Clerk Seminars.
(6)

Clinical Clerk Supervision: Omid Mostachfi, Sam Cammisuli, Mohammed Rassouli, Nava Maham.

YEAR IV

Clinical Clerk Rotation Supervision: Julian Harriss, Allan Kagal, Melanie Ursell, Bradley Petrisor, Alexander Ho, Brendan McCormick, Tarang Sheth, Vaito Manohar.

POSTGRADUATE TEACHING

Critical Care Medicine Programmes, Faculty of Medicine, U of T, Summer Academic Sessions
Cerebrovascular Catastrophes: Intracerebral hemorrhage, subarachnoid hemorrhage, AVM.
(1)

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program
for subspecialty clinical fellows. Organize international application and selection process for 1998-
1999 fellows (7 accepted). (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1997, April 1998. Registrants from across
Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. **(Responsible for Major Design of Course).**

Postgraduate Lecture Series, Division of Neurosurgery, Microvascular Compression Syndromes Cerebrovascular injuries; Traumatic Dissections; Cerebral Blood Flow. (8)

**C.M.E. TEACHING/INVOLVEMENT**

Co-Chairman, Practical Sessions, Third North American Stroke Meeting, Montreal, Quebec. Cerebral Angioplasty, Incidence, Natural History of Extracranial Stenosis, Management of Hemorrhagic Strokes.

Course Director, Practical Course, Carotid Surgery: Diagnostic and Techniques, CNS Annual Meeting, New Orleans.

Guest Faculty, Practical Course, Harvard Medical School, Boston, Massachusetts, Brain AVMs: Decision Analysis, Large AVMs: Combined Techniques (Including Palliative), Cavernous Malformations: Multiple Lesions - Decision Making.

**SUMMER STUDENTS**

Ms. Dorothy Lo, Heart & Stroke Foundation Student Scholarship, Clinical Research: Study of gene expression on global cerebral ischemia.

Ms. Sarah Woodrow, Institute of Medical Science Summer Scholarship Program, Clinical Research: Surgical outcome of subarachnoid hemorrhage: Impact of resident teaching.

**ELECTIVE STUDENTS**


Jens Looser, Year II. Summer Elective Clinical Neurosurgery (2 weeks).


**RESEARCH FELLOWS**

Dr. Koji Iihara, Postdoctoral Research Fellow, Cerebrovascular Research Laboratory.

Dr. Shunji Matsubara, Postgraduate Research Fellow, Role of Endoglyn in Brain AVM's University of Toronto Brain Vascular Malformation Study Group
CLINICAL FELLOWS

Dr. John Norris, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, The Toronto Hospital. Supported by the Fondation Baxter et Alma Ricard Chair in Cerebrovascular Neurosurgery.

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc
  A comparison of descending evoked potentials and muscle responses after TCMS and SBS in awake human subjects
  Dr. David Allen Houlden E

- MSc
  Effect of insulin on ischemic events during cardiopulmonary bypass. Co-supervisor: Dr. R. Weisel
  Dr. Michael Borger J

- MSc
  Gene regulation in hippocampus following global ischemia
  Dr. Warren Ho J

- MSc
  Murine models of focal and global cerebral ischemia: U of T Open Scholarship Ricard Chair Cerebrovascular Neurosurgery
  Mr. Sunu Thomas P

RESIDENTS

Drs. Sri Deme, Zelma Kiss, Gus Skaf and Teck Soo, Practise Oral Exam for RCPS(C) Exam in Neurosurgery.

Drs. Steve Casha, Babak Jahromi, Mentor

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS

TEACHING DOSSIER

ACADEMIC YEAR 1996 - 1997

UNDERGRADUATE TEACHING

YEAR I

Brain & Behaviour Tutor.
(36)

Cerebral Blood Flow, CSF Physiology.
(2)

Discovery Lab, Aneurysmal Subarachnoid Hemorrhage, Brain & Behaviour Course.
(4)

YEAR IV

Clinical Clerk Rotation Supervision: Erik Slimberg, James Swain, Dieu Hoa Kuach.
(5)

POSTGRADUATE TEACHING

Cerebrovascular catastrophes: Intracerebral hemorrhage, subarachnoid hemorrhage, AVM Critical Care Medicine Programme, U of T.
(1.5)

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 1997-1998 fellows (6 accepted). (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1996, April 1997. Registrants from across Canada. 8 registrants, 14 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).

Mentor, Division of Neurosurgery Dr. S. Casha, Dr. B. Jahromi.
Postgraduate Lecture Series, Division of Neurosurgery Cerebral Blood Flow Management of Subarachnoid Hemorrhage and vasospasm Cerebrovascular dissection and fibromuscular disease. (6)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Undergraduate Lecture, Canadian Memorial Chiropractic College Neurosurgical Approach to Spinal Disease. (2)

C.M.E. TEACHING/INVOLVEMENT

Chairman, Practical Course. Congress of Neurological Surgeons. Carotid Surgery Course. Montreal, Quebec. Full day. (Responsible for Major Design of Course).

Guest Faculty, Practical Course, Harvard Medical School, Boston, Massachusetts, Brain AVMs: Decision Analysis, Development of Aneurysms: Congenital or Acquired, Multiple Aneurysms: Strategies and Results.

ELECTIVE STUDENTS

Robert Kerr, Critical Inquiry Care (6 weeks), Queen's University, Year II. Summer Research Elective (12 weeks). Clinical Neurosurgery. Research Topic: Role of Multimodality Therapy on National History Arteriovenous Malformations of the Brain

CLINICAL FELLOWS

Dr. Marco Stefâni, Clinical Fellow, Cerebrovascular Neurosurgery, Division of Neurosurgery, The Toronto Hospital. Supported by International Rotary Scholarship.

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc 1996-1998
  Effect of insulin on ischemic events during cardiopulmonary bypass. Co-supervisor: Dr. R. Weisel
  Dr. Michael Borger J

- MSc 1995-1997
  Natural history and therapy for brain arteriovenous malformations. Support: Fellowship Heart & Stroke Foundation
  Dr. Phillip Porter P
- MSc
  Modelling axonal injury: Injury regeneration and calcium dynamics following acute neuritic
  neuroma
  Imran Fayaz I

- MSc 1996-1998
  Murine models of focal and global cerebral ischemia: U of T Open Scholarship Ricard Chair
  Cerebrovascular Neurosurgery
  Mr. Sunu Thomas P

- MSc
  Ms Jennifer Brown I

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT
UNIVERSITIES/ORGANIZATIONS

1. Grand Medical Rounds, Mount Sinai Hospital, Toronto, Ontario, Sep 4, 1996. Advances in
   the therapy for hemorrhagic stroke.

2. Department of Anaesthesia, University of Toronto, Toronto, Ontario, Nov 4, 1996.
   Neurosurgical/anaesthetic considerations for patients with cerebrovascular disorders.

   intervention.

4. Swiss Canadian Chamber of Commerce (Ontario) Incorporated, Toronto, Ontario, Jan 21,

5. Harvard Medical School, Department of Continuing Education, Boston, Massachusetts, May
   beyond 1. Brain AVMs: Decision analysis 2. Large AVMs: Combined techniques
   (including palliative) 3. Cavernous malformations: Multiple Lesions-Decision Making.
UNDERGRADUATE TEACHING

YEAR I

Brain & Behaviour Tutor.
(36)

Cerebral Blood Flow, CSF Physiology.
(2)

Headache Seminar, Brain & Behaviour Course.
(2)

YEAR IV

Clinical Clerk Rotation Supervision: Joanna, Shapiro, Ed Kachur, Taufik Ali Valiante, Tara Young, Matthew Muller.
(5)

POSTGRADUATE TEACHING

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program for subspecialty clinical fellows. Organize international application and selection process for 1996-1997 fellows (3 accepted). (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1995, April 1996. Registrants from across Canada. 8 registrants, 10 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).
(80)

Examiner, Neurosurgical Residents' Mock Oral Examination, Division of Neurosurgery, June 1996. (5)

Examining Committee for M.Sc. thesis defense for Mr. Aviv Ouanounou.
(3)
Examining Committee for M.Sc. thesis defense for Mr. Wai Pui Ng.

Mentor, Division of Neurosurgery Dr. S. Casha.

Postgraduate Lecture Series, Division of Neurosurgery. 6 lectures. Microvascular Compression Syndromes, Intracranial/Extracranial Vascular Injury.

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Examination of the Central Nervous System. Clinical Nurse Practitioner Program, Faculty of Nursing. (4)

Undergraduate Lecture, Canadian Memorial Chiropractic College. Neurosurgical considerations in: Degenerative disc disease, spinal stenosis, spinal cord tumors. (2)

C.M.E. TEACHING/INVOLVEMENT

May 1995 Guest Faculty, Practical Course, Harvard Medical School, Boston, Massachusetts, Cerebrovascular malformations and aneurysms: Current management and future horizons.

Oct 1995 Chairman, Practical Course, Congress of Neurological Surgeons, San Francisco, California, Carotid Surgery Course. Full day. (Responsible for Major Design of Course).

ELECTIVE STUDENTS

Danyal Ibrahim, Year II. Summer Research Elective (12 weeks). Clinical Neurosurgery. Research topic: Presentation and natural history of developmental venous anomalies

RESEARCH FELLOWS

Dr. Jeffrey Hsu, Research Fellow, Cerebrovascular Research Laboratory. Supported by the Department of Anaesthesia, Taiwan City Hospital.

CLINICAL FELLOWS

Dr. Mark Davies, Clinical Fellow, Cerebrovascular Neurosurgery. Division of Neurosurgery, The Toronto Hospital. Supported by a Fellowship, Fondation Baxter et Alma Ricard Chair in Cerebrovascular Neurosurgery.
GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc
  Natural history and therapy for brain arteriovenous malformations. Support: Fellowship Heart & Stroke Foundation
  Dr. Phillip Porter J

- MSc
  Pharmakokinetics and neuroprotective efficacy of intracellular calcium chelators
  Mr. Sashie Sade P

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


UNDERGRADUATE TEACHING

YEAR I

Brain & Behaviour Assisted Course Director with setting a case for the exam and marking short assessment segment.
(10)

Brain & Behaviour Tutor.
(48)

Headache Seminar, Brain and Behaviour Course.
(2)

YEAR II

ASCM II OSCE.
(6)

YEAR III

Clinical Clerk Seminar.
(3)

Clinical Electives: Charles Wei, Ab Kulkarni, Sri Deme, Julia Liu, Arun Kuchela, Babak Jahromi, I. Subramanian, Susy Lin, Minocher Meer, David Gladstone. Each elective involves 6 full days in clinical neuroscience in the AVM Clinic and my private office.

YEAR IV

Clinical Clerk Seminars.
(10)
POSTGRADUATE TEACHING

Critical Care Lecture Series. Head and Intracranial Pressure.
(2)

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program for 4 subspecialty clinical fellows. Organize international application and selection process for 1995-1996 fellows (7 accepted). (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1994, April 1995. Registrants from across Canada. 8 registrants, 10 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course).
(80)

(10)

Examiner, Neurosurgical Residents' Mock Oral Examination, Division of Neurosurgery, June 1995.
(5)

Postgraduate Lecture Series, Division of Neurosurgery. 6 lectures. Cerebral Blood Flow, Management of Subarachnoid Hemorrhage, Management of Arteriovenous Malformations, Carotid Endarterectomy in Asymptomatic Disease, Microvascular Compression Syndromes.
(14)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Clinical Elective for residents and fellows, Canadian Memorial Chiropractic College: Dr. Warren Keyes. Each elective comprises a minimum of 10 half days in my private office. (Responsible for Major Design of Course).

Undergraduate Lectures, Canadian Memorial Chiropractic College. Neurosurgical considerations in: Degenerative disc disease, spinal stenosis, spinal cord tumors, stroke. (Responsible for Major Design of Course).
(6)

C.M.E. TEACHING/INVOLVEMENT

ELECTIVE STUDENTS

Dennis Wigle, Year II supervision. Health and Illness in the Community.

RESEARCH FELLOWS

Dr. Jeffrey Hsu, Research Fellow, Cerebrovascular Research Laboratory. Supported by the Department of Anaesthesia, Taiwan City Hospital.

Dr. Kiyo Shinno, Research Fellow, Cerebrovascular Research Laboratory. Supported by the Department of Neurosurgery, University of Tokushima and the Government of Japan. (1993-April 1995)

CLINICAL FELLOWS

Dr. Jamshid Saleh, Clinical Fellow, Cerebrovascular Neurosurgery. Division of Neurosurgery, The Toronto Hospital.

GRADUATE STUDENTS

P-indicates Primary Supervisor; S-Secondary Supervisor; J-Joint Supervisor; E-External Examiner; I-Internal Examiner; A-Program Advisor

- MSc Student
  Efficacy of Calcium Chelators in Focal Cerebral Ischemia
  Mr. Shashie Sadie J

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


UNDERGRADUATE TEACHING

YEAR I

Cerebrovascular/CSF Physiology Lecture, Brain and Behaviour Course.
(2)

Curriculum Renewal, Brain and Behaviour Course Development Committee, Designed week 4 case and organized lectures, seminars and labs for that week. (Responsible for Major Design of Course).
(30)

Discovery Lab, Cerebral Aneurysms, Brain and Behaviour.
(4)

Examination, Brain and Behaviour. Wrote clinical case for problem based learning format and marked essay exam.
(10)

Headache Seminar, Brain and Behaviour Course.
(2)

Replacement Tutor, Brain and Behaviour Course, Prepared for and ran 3 tutorial sessions (2 hrs each) for one week.
(6)

YEAR III

Clinical Electives: Julia Liu, James Safadi, Eve Tsai, Giles Cruickshanks. Each elective involves 6 full days in clinical neuroscience in the AVM Clinic and my private office.

Neuroscience Clinics.
(18)

Oral Examinations, Neuroscience Course.
(3)
Year 3 Neuroscience Lecture Cerebral Edema, Brain Herniations, Increased Intracranial Pressure. (2)

Year III Undergraduate Seminar Teaching. (4 1/2 hours)

YEAR IV

Clerkship preceptor: Istvan Pataki, Jeffrey Atkinson, and Peter Gross. Supervision of 2 weeks rotation on clinical service and evaluation.

Clinical Clerk Seminars. (10)

POSTGRADUATE TEACHING

Advanced Trauma Life Support (ATLS) - Instructor, Provider Training Program 2 courses. (2)

Director, Clinical Fellowships, Division of Neurosurgery, The Toronto Hospital. Organize program for 2 subspecialty clinical fellows. Organize international application and selection process for 1994-1995 (4 selected). (Responsible for Major Design of Course).

Director, W. Lougheed Microsurgical Course, October 1993, April 1994. Registrants from across Canada. 8 registrants, 10 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course). (80)

Examiner, Mock Oral Examination, Division of Neurosurgery, June 1994. (5)

Postgraduate Lecture Seminar, Management of subarachnoid hemorrhage. (2)

Postgraduate Lecture Series, Division of Neurosurgery. Cerebrovascular Injuries and Dissection, August 1993. (2)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Clinical Elective for residents and fellows, Canadian Memorial Chiropractic College: Drs. Brad Kreitz, Kathy Cameron, Scott Sheppard and William Ho. Each elective comprises a minimum of 10 half days in my private office. (Responsible for Major Design of Course).

Undergraduate Lectures, Canadian Memorial Chiropractic College: Neurosurgical considerations in:
Degenerative disc disease, spinal stenosis, spinal cord tumors.

(3)

SUMMER STUDENTS


Mr. Wil Harper, Clinical Neurosurgery, Clinical Research: Natural history of patients with cavernous malformations.

RESEARCH FELLOWS

Dr. Kiyo Shinno, Research Fellow, Cerebrovascular Research Laboratory. Supported by the Department of Neurosurgery, University of Tokushima and the Government of Japan.

CLINICAL FELLOWS

Dr. Terrence Coyne, Cerebrovascular Research Fellow - The Toronto Hospital McDonnel Fellowship, Division of Neurosurgery, Royal Brisbane Hospital, Brisbane, Australia.

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


HONOURS AND AWARDS RECEIVED

Ross Fleming Surgical Educator Award (For quality of teaching, teaching innovations programme development). Department of Surgery, The Toronto Hospital. 1994

Bruce Tovee Teaching Award, Department of Surgery, University of Toronto (Undergraduate Teaching). 1994

W.T. Aitken's Award, Individual Teaching Performance, Faculty of Medicine, University of Toronto (Undergraduate Teaching). 1994
UNDERGRADUATE TEACHING

YEAR I

Curriculum Renewal, Brain and Behaviour Course Development Committee, Designed week 4 case and organized lectures, seminars and labs for that week. Wrote case for final exam. Marked exam. (Responsible for Major Design of Course).
(40)

Lecture, Pathophysiology of Cerebral Ischemia.
(1)

Tutor, Brain and Behaviour Course, Prepared for and ran 3 tutorial sessions (2hrs each) per week for 8 weeks.
(72)

YEAR II

Clinics, Introduction to Surgery.
(12)

YEAR III

Clinical Electives: John Kell, Jo Moffat, Arun Kuchela, Lonnie Woolf, Abhaya Kulkarni. Each elective involves 6 full days in clinical neuroscience in the AVM clinic and my private office.

Neuroscience Clinics (36 hrs), Seminars (6 hrs), Oral examinations (3 hrs) Lecture: Cerebral Edema, Brain Herniation & Increased Intracranial Pressure (1 hr).
(46)

YEAR IV

Clerks' Seminars.
(12)
POSTGRADUATE TEACHING

Advanced Trauma Life Support- Instructor, Examiner, October 1992, The Toronto Hospital. (16)

Director, W. Lougheed Microsurgical Course, October 1992, April 1993. Registrants from across Canada. 8 registrants, 10 faculty members, full week microsurgical skills course on cadaveric specimens and experimental animals. Funding: registration fee and industry support. (Responsible for Major Design of Course). (80)

Examiner, Resident Mock Oral Examination, Division of Neurosurgery, June 1993. (4)

ICU Lecture Series, 4 lectures: Cervical Spine Injury, Approach to Coma, Intracranial Pressure. (4)

Participant, Faculty Development Workshop, Postgraduate Medical Education Department, The Toronto Hospital. (5)

Postgraduate Lecture Series, Division of Neurosurgery. 3 lectures: Neurovascular Compression Syndromes, Management of Brain Vascular Malformations, Cerebral Blood Flow. (6)

TEACHING CONTRIBUTIONS (OTHER DEPTS)

Lecture: Stroke: Diagnosis and Management, September 1992, Clinical Neurology Course, Division of Occupational Therapy, Department of Rehabilitational Medicine. (2)

Lecture, Cerebral Aneurysm - Surgical Management, Department of Anaesthesia, The Toronto Hospital - Western Division. (1)

Lecture, Cervical Spine Assessment in the Trauma Room, Department of Anesthesia, The Toronto Hospital - Western Division. (1)

Lecture, Neurosurgical Emergencies in the ICU, January 1993, Critical Care Medicine Programme, Department of Medicine. (2)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Clinical Elective for residents and fellows, Canadian Memorial Chiropractic College: Dr. Joseph
Lemire, Dr. Laurie King, Dr. Joanne Mertel, Dr. Peter Kim. Each elective comprises 10 half days in my private office. (Responsible for Major Design of Course).

Undergraduate Lectures, Canadian Memorial Chiropractic College: Pathophysiology of Stroke, Degenerative Disc Disease and Tumors of the Spine.

(4)

C.M.E. TEACHING/INVOLVEMENT


SUMMER STUDENTS

Mr. Raza Khan, Quality Assurance and prospective research database development for neurosurgical procedures performed at The Toronto Hospital.

RESEARCH FELLOWS

Dr. Masaaki Uno, Research Fellow, Cerebrovascular Research Laboratory, Supported by the Department of Neurosurgery, University of Tokushima and the Government of Japan.

CLINICAL FELLOWS

Dr. Iyabo Daramola, Clinical Research Fellow, University of Toronto Vascular Malformation Study Group

Dr. Terrence Coyne, Cerebrovascular Research Fellow - The Toronto Hospital McDonnel Fellowship, Division of Neurosurgery, Royal Brisbane Hospital, Brisbane, Australia.

EDUCATIONAL MATERIAL PRODUCED


OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT
UNIVERSITIES/ORGANIZATIONS

1. A Canadian Consensus on the Management of Ischemic Stroke, Toronto, Ontario, Jan 1, 1993. Carotid endarterectomy: Has NASCET answered all the questions?


HONOURS AND AWARDS RECEIVED

The Toronto Hospital Award for Excellence in Teaching (Postgraduate Education - Surgery). 1993
UNDERGRADUATE TEACHING

YEAR I
Curriculum Renewal Brain and Behaviour Course Development Committee.
(20)

YEAR II
Introduction to Surgery, Clinics.
(12)

YEAR III
Clinical electives: John Bellinaso, Steve Casha. Each elective involved 6 full days in clinical neuroscience in the AVM clinic and my private clinic.

Neuroscience Clinics (36 hrs), Seminars (6 hrs), Lectures (1 hr), Year III Neuroscience Coordinator-The Toronto Hospital, Undergraduate Education Committee.
(43)

Oral examinations, Neuroscience Course, Evening examination format using my office patients. (Responsible for Major Design of Course).
(10)

Seminars in traumatology.
(2)

YEAR IV
Seminars (12).
(12)
GRADUATE TEACHING

Neuroscience Y1444, Topic: Autoregulation, Cerebral Blood Flow and the Pathophysiology of Stroke, Marking of essay examinations.
(4)

POSTGRADUATE TEACHING

(16)

Course Director, W. Lougheed Microsurgical Course, October 1991, April 1992, 8 registrants, 10 faculty members. Full week of microsurgical dissection on cadaveric specimens and experimental animals. Funding: Industry support. Cross Canada representation. (Responsible for Major Design of Course).
(80)

Grand Trauma Rounds Diagnosis and Prognosis after Head Injury September 1991.
(1)

ICU Lecture Series C spine Injury, Approach to Coma Intracranial Pressure.
(4)

Postgraduate Lecture Series, Division of Neurology Surgical Management of Stroke.
(2)

Postgraduate Lecture Series, Division of Neurosurgery Cerebrovascular Injuries.
(2)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Clinical Electives for residents and fellows, Canadian Memorial Chiropractic College : Dr. Colin Crawford, Dr. Anthony Tibbles, Dr. Francois Hains, Dr. Andre Bussiers. Each elective comprises 10 half days in my private office. (Responsible for Major Design of Course).

Undergraduate Lectures, Canadian Memorial Chiropractic College : Pathophysiology of Stroke, Degenerative Disc Disease and Tumors of the Spine.
(4)

RESEARCH FELLOWS

Dr. Masaaki Uno, Research Fellow, Cerebrovascular Research Laboratory, Supported by the Department of Neurosurgery, University of Tokushima and The Government of Japan.
CLINICAL FELLOWS

Dr. Iyabo Daramola, Clinical Research Fellow, University of Toronto Vascular Malformation Study Group

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


2. Keith Professorship in Neurosurgery, University of Toronto, Toronto, Ontario, Feb 1992. (1) Teaching neurosurgical residents techniques of aneurysm surgery, (2) Retrospective review of resident operated cases.


5. Gallie Day, University of Toronto, Toronto, Ontario, May 1992. The University of Toronto brain vascular malformation study group: The results of the first two years.

HONOURS AND AWARDS RECEIVED

The Toronto Hospital Award for Excellence in Teaching (Undergraduate Education - Surgery). 1992
TEACHING DOSSIER

ACADEMIC YEAR 1990 - 1991

UNDERGRADUATE TEACHING

YEAR II

Introduction to Surgery, clinics.
(12)

YEAR III

Clinical Electives: Richard Fox, David Hodgson. Each elective involved 6 full days in clinical neuroscience in the AVM clinic and my private office clinic.

Neuroscience MIII Clinics  30hrs Seminars  6hrs Lectures  2hrs Year 3 Neuroscience Coordinator, 89-92, The Toronto Hospital.
(38)

Oral Examinations, Neuroscience Course, Evening examination format utilizing simulated patients. (Responsible for Major Design of Course).
(10)

Yr 3 Comprehensive Clinics.
(4)

YEAR IV

Clerk Examinations.
(6)

Seminars.
(10)

GRADUATE TEACHING

Neuroscience Y1444 Graduate Course in Neuroscience, taught by Playfair Neuroscience Unit staff. Cerebral Blood Flow and the Pathophysiology of Stroke.
(3)
POSTGRADUATE TEACHING

ICU Lecture Series C spine injury Approach to coma.  
(4)

Postgraduate Lecture Series, Division of Neurosurgery Cerebral Blood Flow Arteriovenous Malformations Microvascular Compression Syndromes.  
(6)

W. Lougheed Microsurgical Course, October 1990, April 1991. Major expansion of the course to include 6 residents from other Canadian neurosurgical training programmes (8 registrants). funding: Industry sponsors.  (Responsible for Major Design of Course).  
(80)

TEACHING CONTRIBUTIONS (OTHER FACULTY)

Clinical Elective for a fellow, Canadian Memorial Chiropractic College, Dr. Sil Mior, 10 half days in my private office.  (Responsible for Major Design of Course).

SUMMER STUDENTS

Mr. Ubendranauth Kalicharran, Supported by MRC. A basic research elective on magnetic resonance spectroscopy of focal cerebral ischemia. The elective involved methodology of experiment design, principles of magnetic resonance spectroscopy and the surgical preparation of experimental focal cerebral ischemia

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


HONOURS AND AWARDS RECEIVED

PAIRO Teaching Award.  1991

The Toronto Hospital Award for Excellence in Teaching (Medical Education - Surgery).  1991
UNDERGRADUATE TEACHING

YEAR II

Introduction to Surgery, clinics.
(12)

YEAR III

Comprehensive Clinics.
(12)

Neuroscience MIII Clinics  18hrs Seminars  4hrs.
(22)

Yr 3 Comprehensive Examination.
(4)

YEAR IV

Clerk Examinations.
(6)

Seminars.
(10)

POSTGRADUATE TEACHING

ICU Lecture Series C spine injury Approach to Coma.
(4)

W. Lougheed Microsurgical Course, October 1989, April 1990. Course Director. Responsible for restructuring of course relative to previous years. 2 registrants. Funding: industry.  (Responsible for Major Design of Course).
(80)
SUMMER STUDENTS

Ron Grypma, Student, Canadian Chiropractic College Laboratory research elective Awarded Resident's Prize, Clinical Research Society of Toronto, April 1990

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


TEACHING DOSSIER

ACADEMIC YEAR 1988 - 1989

UNDERGRADUATE TEACHING

YEAR III

Comprehensive Clinics.
(12)

Neuroscience MIII Clinics  18hrs Seminars  3hrs.
(21)

Yr 3 Comprehensive Examination.
(4)

YEAR IV

Clerk Examinations.
(6)

Seminars.
(10)

POSTGRADUATE TEACHING

Faculty Teaching Workshop, Department of Surgery, University of Toronto, February 1989.
(7)

ICU Teaching Seminars Cervical spine injuries Approach to Coma.
(4)

OTHER COURSE LECTURES/WORKSHOPS PRESENTED AT UNIVERSITIES/ORGANIZATIONS


TEACHING DOSSIER

ACADEMIC YEAR 1987 - 1988

HONOURS AND AWARDS RECEIVED

D.R. Wilson Resident Undergraduate Teaching Award. 1987