

CURRICULUM VITAE

Jean-Louis Caron MD FRCSC FACS

GENERAL INFORMATION

PERSONAL DATA:

Date of Preparation: 08/08/2011

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SELF DESCRIPTION:

I completed my neurosurgery training at the Montreal Neurological Institute in 1985. I was awarded the Frank McGill Travel Award the Montreal General Hospital Research Institute and completed a clinical/research fellowship in cerebrovascular surgery with Drs. CG Drake and SJ Peerless at the University of Western Ontario. I then returned to McGill University as an assistant professor of Neurosurgery and joined the Division of Neurosurgery of the Montreal General Hospital under the leadership of my mentor Dr. JG Stratford. In 1995 I was promoted to associate professor. I have dedicated my career to the academic institution. As a clinician/educator I have been involved in medical student education and resident training and I have maintained a keen interest in evidence-based medicine. Throughout the years I have had the opportunity to serve on both McGill University and Universite de Montreal neurosurgery residency training committees. For many years, I was an examiner for the neurosurgery certification of the Royal College of Physicians and Surgeons of Canada. From 2002 to 2004, during my Universite de Montreal's tenure, I served as director of the neurosurgery resident training program. My clinical and intellectual interests have been diverse and include functional/stereotactic surgery, radiosurgery, neurovascular surgery and minimally invasive spinal surgery. Very early in my career I realized that my ability to work in a multidisciplinary environment was a great asset. During my 18 years tenure in Montreal, 13 years at McGill University and 5 years at Universite de Montreal, I was able to establish collaborative relationships with colleagues in vascular neurology, interventional neuroradiology, radiation physics and radiation oncology and expert in pain management. By creating multidisciplinary teams I was successful at establishing a carotid surgery program for neurosurgery residents, a comprehensive program in brain aneurysm surgery and treatment of cerebral arteriovenous malformations, and in close collaboration with colleagues in neurology, an integrated neurovascular unit. I worked closely with radiation oncologist Dr. L. Souhami, medical physicist Prof. I. Podgorsak and their team, to establish the McGill Stereotactic Radiosurgery Unit. We were the first to develop and apply a technique of fractionated stereotactic radiotherapy to treat lesions in sensitive areas of the brain. Along with my mentor Dr. J Stratford, I was an important contributor to the establishment of the McGill Multidisciplinary Pain Center, working in close collaboration with one of the world leaders in the field, Prof. Ronald Melzack. I have maintained ongoing interest in clinical research, both NIH/NINDS and industry funded, with significant contributions to landmark multicenter trials such as NASCET, ICSS, ISAT. I continue my collaborations with NIH grants from Johns Hopkins University studying surgical interventions for intracerebral hemorrhages. In May of 2004 I was appointed as Professor in the Center for Neurosurgical Sciences of the University of Texas Health Science Center at San Antonio. As appointed Deputy Chair and Associate Director of the neurosurgery residency program, was given the mandate to assist the Chairperson with faculty recruitment and re-establishing the ACGME/RRC neurosurgical residency training program. Most of the work involved

building a strong clinical practice, developing a comprehensive training curriculum, and faculty recruitment. By the January 2005 the Neurosurgery Training Program received complete accreditation by the ACGME/RRC and the Center for Neurosurgical Sciences was given the status of Department of Neurosurgery. The Department of Neurosurgery has been very successful at all levels: UTHSCSA, the state of Texas and nationally. Future plans include the development of additional clinical teaching units and collaborating with research units both at UTHSCSA and other North American universities.

EDUCATION:

<u>Year</u>	<u>Degree</u>	<u>Discipline</u>	<u>Institution/Location</u>
1979	MD	Medicine (<i>Magna Cum Laude</i>)	University of Ottawa, Ontario, Ontario, Canada

TRAINING:

Internship

<u>Year</u>	<u>Discipline</u>	<u>Institution/Location</u>
1979-1980	Surgery	Montreal General Hospital (MGH), McGill University, Montreal, Canada

Post Doctoral Fellowship

<u>Year</u>	<u>Discipline</u>	<u>Institution/Location</u>
1985-1986	Cerebrovascular Surgery	University of Western Ontario, London, Canada

Residency

<u>Year</u>	<u>Discipline</u>	<u>Institution/Location</u>
1981-1985	Neurosurgery	Montreal Neurological Institute (McGill University), Montreal, Canada
1980-1981	General Surgery	University of Ottawa, Ottawa, Canada

ACADEMIC APPOINTMENTS:

09/2006 - Present	Deputy Chair	University of Texas Health Sciences Center at San Antonio, Department of Neurosurgery, San Antonio, TX
05/2004 - Present	Professor	University of Texas Health Science Center at San Antonio, Department of Neurosurgery, San Antonio, TX
05/2004 - Present	Associate Director Neurosurgery Training Program	University of Texas Health Science Center at San Antonio, Department of Neurosurgery, San Antonio, TX
09/2002 - 05/2004	Director of Neurosurgery Training Program	Universite de Montreal, Department of Neurosurgery, Montreal, CA
09/1999 - 04/2004	Associate Professor	University of Montreal, Department of Neurosurgery, Montreal, Quebec, CA
09/1995 - 04/2004	Associate Professor	McGill University, Department of Department of Surgery, Montreal, Quebec, CA

09/1995 - 09/1999	Associate Professor	McGill University, Department of Neurology and Neurosurgery, Montreal, Quebec, CA
09/1987 - 09/1995	Assistant Professor	McGill University, Department of Neurology and Neurosurgery, Montreal, Quebec, CA
09/1987 - 09/1995	Assistant Professor	McGill University, Department of Department of Surgery, Montreal, Quebec

NON-ACADEMIC APPOINTMENTS:

07/2005 - Present	Neurosurgeon	Christus Santa Rosa Hospital - Medical Center, San Antonio, TX
04/2005 - Present	Neurosurgeon	St. Luke's Baptist Hospital, San Antonio, TX
03/2005 - Present	Neurosurgeon	Audie L. Murphy Memorial Veteran's Hospital, San Antonio, TX
05/2004 - Present	Neurosurgeon	University Hospital, San Antonio, TX
01/2002 - 12/2002	Consultant Neurosurgeon	Shaykh Kalifa Medical Center, Abu Dhabi, AE
09/1999 - 05/2004	Co-Director, Neurovascular Surgery	Hopital Notre-Dame, Hospital St-Luc, Hopital Hotel Dieu de Montreal, Montreal, Quebec, CA
01/1999 - 12/2004	Neurochirurgien CHUM	Hopital Notre-Dame, Hospital St-Luc, Hopital Hotel Dieu de Montreal, Montreal, Quebec, CA

***Details:** Co-director of Neurovascular surgery*

01/1994 - 12/1997	Consultant Neurosurgeon	Centre Hospitalier Anna Laberge, Chateauguay, Quebec, CA
01/1987 - 12/2004	Consultant Neurosurgeon	Centre Hospitalier du Suroit, Salaberry-de-Valleyfield, Quebec, CA
01/1987 - 12/1999	Consultant Neurosurgeon	Lakeshore General Hospital
01/1987 - 09/1999	Senior Neurosurgeon	Montreal General Hospital, Montreal, CA
01/1987 - 12/1988	ER Consultant	Montreal General Hospital, Quebec, Montreal, Quebec, CA
01/1987 - 12/1987	Associate Neurosurgeon	Montreal Neurological Hospital, Montreal, CA
01/1987 - 12/1987	Associate Neurosurgeon	Hopital pour Enfants de Montreal, Quebec, Montreal, CA
01/1982 - 12/1985	Locum Physician	Centre Hospitalier de Buckingham, Quebec, Buckingham, Quebec, CA

CERTIFICATION AND LICENSURE:

Board Certification

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
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The American Board of Neurological Surgery - American Board of Neurological Surgery	Certified	11/2008	28114	12/2018
Certificate of Specialist in Neurosurgery - Royal College of Physicians and Surgeons of Canada	Certified	11/1985	337806	n/a

Certification

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
ELANA Technique certification - University Medisch Centrum Utrecht	Certified	05/2009	n/a	n/a
USMLE Steps I-II-III - USMLE	Certified	06/2004	n/a	n/a
Certificat de specialiste de la province de Quebec (Neurochirurgie) CSPQ - College des Medecins Specialistes du Quebec	Certified	01/1985	10553	n/a
Licenciate of the Medical Council of Canada - Medical Council of Canada	Certified	10/1980	50284	n/a

License to Practice

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
Medical License - Texas Medical Board	Certified	09/2004	L9643	05/2011
Medical Practice Licence - Coporation Professionnelle des Medecins du Quebec	Certified	11/1982	82617	n/a

HONORS AND AWARDS:

01/2010	America's Top Surgeons
11/2009	America's Top Surgeons: Nominated to the elite group of America's Best Surgeons for 2009
11/2008	Best Doctors in San Antonio: Elected by San Antonio peers to the elite group of best doctors in San Antonio for the year 2008
11/2008	America's Top Surgeons: Nominated to the elite group of America's Best Surgeons for 2008
11/2007	Best Doctors in San Antonio: Elected by San Antonio peers to the elite group of best doctors in San Antonio for the year 2007
11/2007	America's Top Surgeons: Nominated to the elite group of America's Best Surgeons for 2007
11/2006	Best Doctors in San Antonio: Elected by San Antonio peers to the elite group of best doctors in San Antonio for the year 2006
10/1999	Fellow of the American College of Surgeons
02/1986	Fellow of the Royal College of Physicians and Surgeons of Canada

10/1985	MGH Research Institute Frank McGill's Travel Award: Neurovascular surgery clinical research fellowship support
01/1979	Magna cum laude: Magna cum laude, Faculty of Medicine, University of Ottawa, Ontario
01/1979	First Prize: First Prize in obstetrics and gynecology for academic achievement, Faculty of Medicine, University of Ottawa, Ontario
01/1979	Mention of distinction: Mention of distinction for academic achievement in neuroanatomy, Faculty of Medicine, University of Ottawa, Ontario
01/1974	Dean's Honor List: For academic achievement, Faculte des Sciences, Universite d'Ottawa, Ontario

PROFESSIONAL DEVELOPMENT:

Administrative

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
03/15/2010	The American Heart Association, Key Findings: An International Stroke Conference Podcast	0.75 / 0.75
02/24/2010 - 02/26/2010	The American Heart Association, International Stroke Conference	23.00 / 23.00
02/18/2009 - 02/20/2009	The American Heart Association, International Stroke Conference 2009	20.75 / 20.75
02/28/2008 - 03/01/2008	The 2008 ACGME Annual Education Conference, Attended the 2008 ACGME Annual Educational Conference to review the structure, framework and function of specialty program requirements and overview many sessions such as patient/resident safety improvement, "The Struggling Surgeon in Training" and Neurosurgery specialty updates.	0.00 / 0.00
01/01/2004	Clinical Documentation Training, Clinical Documentation Training-CME Annual Training	0.50 / 0.50

Clinical

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
12/10/2010	Neurosciences Grand Rounds, CPC Presented by Dr. James Henry, Professor, Department of Pathology	1.50 / 1.50
11/12/2010	Neurosciences Grand Rounds, CPC. Presented by Dr. James Henry, Professor, Department of Pathology	1.50 / 1.50
10/16/2010 - 10/21/2010	Congress of Neurological Surgeons-2010 Annual Meeting, CNS designates this CME credit hours in Category 1 of the Physicians Recognition award of the American Medical Association. This program is approved by CNS for applicable CME's	27.00 / 27.00

10/15/2010	Neurosciences Grand Rounds, Antibody Testing in Neuromuscular Diseases. Presented By: Rahman Pourmand, M.D. Professor, Department of Neurology, Stony Brook University School of Medicine	1.50 / 1.50
10/08/2010	Neurosciences Grand Rounds, CPC Presented by Dr. James Henry, Professor, Dept of Pathology	1.50 / 1.50
09/10/2010	Neurosciences Grand Rounds, Karla Torres-Molina, M.D.-Resident Presentation James Henry, M.D.-CPC	1.50 / 1.50
09/03/2010	Neurosciences Grand Rounds, Andrey Belayev, M.D., "Posterior Fossa Tumor" Ernest E. Braxton, Jr. M.D., Major, USAF MC, "Current Treatment of PTSD and Future Directions"	1.50 / 1.50
08/27/2010	Neurosciences Grand Rounds, Jean-Louis Caron, M.D.-" Update on Surgical Management of Cervical Carotid Atherosclerosis" John Carter, M.D., "Headache, Chiari, Papilledema, Pseudotumor Cerebri, Whatever"	1.50 / 1.50
08/20/2010	Neurosciences Grand Rounds, Sidney Atkinson, M.D.-"Pediatric Neurology Emergencies" Priyantha Herath, M.D., Ph.D.-"Psychogenic Movement Disorders"	1.50 / 1.50
08/13/2010	Neurosciences Grand Rounds, Merrill Kanter Carolin, MD-Practice Guidelines Robin Brey, MD-"Antiphospholipid Syndrome and the Brain in Pediatric and Adult Patients"	1.50 / 1.50
08/06/2010	Neurosciences Grand Rounds	1.50 / 1.50
07/30/2010	Neurosciences Grand Rounds, Santiago Palacio, MD-"Stroke Treatment Updates" Donald A. Robin, PhD-"Using Mechanical Perturbation to Understand the Neural Control of Movements in Young and Older Speakers: Wavelet Analysis of EMG Data"	1.50 / 1.50
07/23/2010	Neurosciences Grand Rounds, Kameel Karkar, MD-"Symptomatic Treatment for Muscle Cramps" David Morilak, PhD-"Chronic Stress and Monoaminergic Modulatory Influence in Rat Prefrontal Cortex"	1.50 / 1.50
07/09/2010	Neurosciences Grand Rounds, Sidney Atkinson, M.D.-"Pediatric Neurology Emergencies" Augusto Parra, M.D.-"Neuroprotection Modalities for Traumatic Brain Injury"	1.50 / 1.50
06/25/2010	Neurosciences Grand Rounds, Jennifer Gentry Savage, MD-"Split Cord Malformation" Christopher	1.50 / 1.50

	Koebbe, MD-"Multi-Modality Management of Intracranial Aneurysms"	
06/18/2010	Neurosciences Grand Rounds, Julio Andino, MD-"Distal Hereditary Motor Neuropathy with Upper Motor Neurons Signs" Michael Odom, MD-"Periventricular-Intraventricular Hemorrhage in Newborns"	1.50 / 1.50
06/11/2010	Neurosciences Grand Rounds, Stephen Griffith, M.D.-"Syringomyelia-An Interesting Case" James Henry, M.D.-CPC	1.50 / 1.50
06/04/2010	Neurosciences Grand Rounds, Aven Ford, MD-"A Curious Case of Quadrantanopia" Laszlo Entz, MD-"Mapping of Pathological and Funtional Networks in the Brain with the Aid of Cortical STimulation and Multimodal Imaging"	1.50 / 1.50
05/28/2010	Neurosciences Grand Rounds, Byron Branch, MD-"Seizure Prophylaxis Following Traumatic Brain Injury" David F. Jlmenez, MD-"Chiari I Malformation"	1.50 / 1.50
05/14/2010	Neurosciences Grand Rounds, Mical Samuelson, MD-"The Acute Management of Neurologic Complications Following Cardiothoracic Procedures" James Henry, MD-CPC	1.50 / 1.50
05/07/2010	Neurosciences Grand Rounds, Jamie Rawson, MD-Resident Case Presentation Andres M. Kannar, MD-"Predictors of Post-Surgical Seizure Outcome Following a Temporal Lobectomy"	1.50 / 1.50
04/30/2010	Neurosciences Grand Rounds, Nicholas Andrade, M.D.-"Psychology of Spine Surgery" Jose E. Cavazos, M.D., Ph.D.-"New Development on Brain Stimulation for Intractable Epilepsy"	1.50 / 1.50
04/16/2010	Neurosciences Grand Rounds, Christian Samuelson, MD-"Metastatic Spine Disease: Diagnosis, Decisions and Management" Charles Branch, MD-"The History and Development of Posterior Lumbar Interbody Fusion"	1.50 / 1.50
04/09/2010	Neurosciences Grand Rounds, Christine Contreras, MD-Resident Case Presentation James Henry, MD-CPC	1.50 / 1.50
04/02/2010	Neurosciences Grand Rounds, Andrey Belayev, MD-"Intraventricular Tumors" Lee A. Birnbaum, MD-"Extending Time Windows for the Treatment of Acute Stroke Patients"	1.50 / 1.50

03/26/2010	with Advanced Neuroimaging" Neurosciences Grand Rounds, Scott Heller, MD-"Puzzling Posterior Pigmented Pruritic Patch" Donald Robin, MD-"Using Noninvasive Imaging to Map Processing Time Between Cortical Regions"	1.50 / 1.50
03/12/2010	Neurosciences Grand Rounds, Jose Labault, MD-"A Case of Vision Loss"	1.50 / 1.50
02/19/2010	James Henry, MD-CPC Neurosciences Grand Rounds, Jennifer Gentry Savage, MD- "Neurofibromatosis" J.D. Day, MD- "Contemporary Management of Vestibular Schwannoma"	1.50 / 1.50
02/12/2010	Neurosciences Grand Rounds, Rebecca M. Verellen, MD-Resident Case Presentation James Henry, MD-CPC	1.50 / 1.50
02/05/2010	Neurosciences Grand Rounds, Mateo Ziu, MD-"Rhinoliquorrhea After Traumatic Cranio-Facial Fractures" Aparna W. Shukla, MD- "Deep Brain Stimulation in Parkinson's Disease: Understanding the Mechanisms"	1.50 / 1.50
01/29/2010	Neurosciences Grand Rounds, Anthony Brown, MD-"A Case of Dementia and Incoordination" Ratna K. Bhavaraju-Sanka, MD-"Approach to Disorders of the Autonomic Nervous System"	1.50 / 1.50
01/22/2010	Neurosciences Grand Rounds, Stephen Griffith, MD-"Giant-Cell Tumors of the Spine" Edward R. Laws, MD-"The Diagnosis and Management of Pituitary Adenomas- State of the Art"	1.50 / 1.50
01/15/2010	Neurosciences Grand Rounds, Elena Sokolova, MD- "Photosensitivity in Epilepsy" Kathryn Wagner, MD-"Stimulating Muscle Regeneration"	1.50 / 1.50
12/18/2009	Neurosciences Grand Rounds, Nathan Sumner, MD-Resident Case Presentation Wendy Chao, DO- Grand Rounds Speaker	1.50 / 1.50
12/11/2009	Neurosciences Grand Rounds, Byron Branch, MD-"Traumatic Vertebral Artery Injuries" James Henry, MD-CPC	1.50 / 1.50
12/04/2009	Neurosciences Grand Rounds, Scott Heller, MD-"Retroperitoneal Hemorrhage and Lumbosacral Plexopathy" Dorothee Kastelijn- Trenite, MD-"Photosensitivity: Clinical Relevance and Role in Research?"	1.50 / 1.50
11/20/2009	Neurosciences Grand Rounds,	1.50 / 1.50

	Wendy Wu, MD-"Congenital Myasthenia Gravis" John Kelly, MD-"Neuropathies Due to Plasma Cell Dyscrasias"	
11/18/2009	Neurosciences Grand Rounds, Neuroimaging in Mild Military Traumatic Brain Injury Presented by Jeff Lewis, USAF, MC, staff neurologist, WHMC	1.50 / 1.50
11/13/2009	Neurosciences Grand Rounds, Nick Andrade, MD-"Posterior Reversible Encephalopathy Syndrome" James Henry, MD-CPC	1.50 / 1.50
11/06/2009	Neurosciences Grand Rounds, Gina Jetter, MD-Resident Case Presentation Ilo Leppik, MD-"Geriatric Epilepsy Management: Special Considerations and Comorbid Conditions"	1.50 / 1.50
10/30/2009	Neurosciences Grand Rounds, Christian Samuelson, M.D.-"Traumatic Orbito-Cranial Injuries in the Civilian Population Aryn Habib, M.D.-"The Receptor Interacting Protein (RIP1)Links Inflammatory and Oncogenic Signaling Pathways in Glioblastoma"	1.50 / 1.50
10/23/2009	Neurosciences Grand Rounds, Aven Ford, M.D.-Resident Presentation Erik Ensrud, M.D.-"Musculoskeletal Mimics"	1.50 / 1.50
10/16/2009	Neurosciences Grand Rounds, Andrey Belayev, MD-"Tumors of the Conus and Cauda Equina" John R. Floyd, MD-"Updates on Brain Tumor Surgeries"	1.50 / 1.50
10/09/2009	Neurosciences Grand Rounds, Karla Torres-Molina, MD-Resident Case Presentation James Henry, MD-CPC	1.50 / 1.50
10/02/2009	Neurosciences Grand Rounds, Jennifer Gentry-Savage, MD-Resident Case Presentation Alex Papanastassiou, MD-"Functional Neuroanatomy and Connectivity in Temporal Lobe Epilepsy"	1.50 / 1.50
09/25/2009	Neurosciences Grand Rounds, Mateo Ziu, MD-"A Case of Isolated Spinal Neurenteric Cyst" Ed Jauch, MD-"The Emergency Dept. in Cerebral Resuscitation"	1.50 / 1.50
09/04/2009	Neurosciences Grand Rounds, Stephen Griffith, MD-"Eosinophilic Granulomas" J.D. Day, MD-"Neurosurgical Tics"	1.50 / 1.50
08/21/2009	Neurosciences Grand Rounds, Augusto Parra, MD-"Subarachnoid Hemorrhage Management Guidelines" James Dix, MD-"Neurosurgical Imaging"	1.50 / 1.50

08/14/2009	Neurosciences Grand Rounds, Merrill Carolin, MD-"Therapies for Benign Paroxysmal Positional Vertigo" Saud Khan, MD-"Neurological Disease"	1.50 / 1.50
08/07/2009	Neurosciences Grand Rounds, Jean-Louis Caron, MD-"Intracerebral Hemorrhage Management Guidelines" Lee Birnbaum, MD-"Endovascular Treatment of Head & Neck Vascular Malformations"	1.50 / 1.50
07/31/2009	Neurosciences Grand Rounds, Jose Cavazos, MD-"Evaluating an Apparent Unprovoked First Seizure in Adults" Anna Lindley, MD-"Genetic Haplo-Insufficiency Syndromes in Mental Retardation: A Case Study and Treatment Strategies"	1.50 / 1.50
07/10/2009	Neurosciences Grand Rounds, Current Status of Transcranial Doppler (TCD) Ultrasonography and its clinical applications. Presented by: Dr. Day	1.50 / 1.50
06/12/2009	Neurosciences Grand Rounds, Peripheral Nerve: Median Nerve. Presented by Dr. David Jimenez, Professor and chair- Department of Neurosurgery	1.50 / 1.50
05/29/2009	Neurosciences Grand Rounds, Myasthenia Gravis Therapy: Show me the Evidence	1.50 / 1.50
05/15/2009 - 05/23/2009	Amsterdam, NLD-Excimer Laser Assisted Non-occlusive Anastomosis Technique, Training for the ELANA technique is used to perform a bypass where artery is not occluded.	0.00 / 0.00
05/15/2009	Neurosciences Grand Rounds, CPC Presented by Dr. James Henry, Professor, Dept of Pathology	1.50 / 1.50
05/08/2009	Neurosciences Grand Rounds, Jennifer Gentry-Savage, MD-Resident Presentation Christian Matula, MD-"Skull Base Surgery-Still a Challenge?"	1.50 / 1.50
05/01/2009	Neurosciences Grand Rounds, Resident Case Presentation Grand Rounds	1.50 / 1.50
03/27/2009	Neurosciences Grand Rounds, Augusta Parra, MD-Neurocritical Care: Management of Acute TBI Viktor Bartanusz, MD-Neuroanatomy Review	1.50 / 1.50
03/20/2009	Neurosciences Grand Rounds, Andrey Belayev, M.D.-Resident Case Presentation Christopher Koebbe, M.D.-"Comprehensive Multi-Modality Management of Cerebrovascular Occlusive Disease"	1.50 / 1.50

03/20/2009	Neurosciences Grand Rounds, Comprehensive Multi-Modality Management of Cerebrovascular Occlusive Disease.	1.50 / 1.50
03/06/2009	Neurosciences Grand Rounds, Marie Collier, MD-Resident Case Presentation Patrick Grogan, MD-The Evolution of Botulinum Toxin Therapy	1.50 / 1.50
02/25/2009 - 03/01/2009	Texas Association of Neurological Surgeons Board Meeting, Meeting held in Austin, Texas.	0.00 / 0.00
02/20/2009	Neurosciences Grand Rounds, San Antonio CPC David F. Jimenez, M.D.-"Medical Malpractice Law Suits: Defensive Documentation"	1.50 / 1.50
02/17/2009 - 02/21/2009	2009 AHA International Stroke Conference, Attended the 2009 International Stroke Conference held at San Diego, California by AHA	20.75 / 20.75
02/16/2009 - 02/17/2009	AANS/CNS Cerebrovascular Section Meeting, Held in San Diego, California	0.00 / 0.00
12/19/2008	Neurosciences Grand Rounds, Radiosurgery for patient with Trigeminal Neuralgia: Results of a Prospective Cohort Study	1.50 / 1.50
12/12/2008	Neurosciences Grand Rounds, San Antonio CPC	1.50 / 1.50
10/03/2008 - 10/10/2008	XVIII European Society for Stereotactic and Functional Neurosurgery Meeting, European Society for Stereotactic and Functional Neurosurgery-2008, held in Rimini, Italy	0.00 / 0.00
09/20/2008 - 09/25/2008	Congress of Neurological Surgeons 2008 Annual Meeting, Meeting held in Orlando, Florida.	0.00 / 0.00
09/05/2008	Neurosciences Grand Rounds, The Impact of History on Current Techniques in Craniostyosis Repair.	1.50 / 1.50
08/29/2008	Neurosurgery and Parkinson's Disease, UTHSCSA Grand Rounds	1.50 / 1.50
08/22/2008	Neurosciences Grand Rounds, Is Autism the Results of In Utero Alterations of Maternal Thyroid Function? Hypothesis and Research Strategy.	1.50 / 1.50
08/08/2008	Neurosciences Grand Rounds, Cerebral Vascular Compression Syndromes	1.50 / 1.50
06/27/2008	High Frequency Oscillations in The Intracranial EEG; Behavior, Physiology, UTHSCSA Grand Rounds	1.50 / 1.50
06/20/2008	Neurosciences Grand Rounds, Disparate Roles of BK Potassium Channels in control of Vascular Flow	1.50 / 1.50

	and Epilepsy.	
05/17/2008 - 05/20/2008	Society of Neurological Surgeons 2008 Annual Meeting, Meeting held in Madison, WI	0.00 / 0.00
04/25/2008 - 04/28/2008	2008 Annual Meeting for the American Association of Neurological Surgeons, AANS Pac Clinic: Movement Disorder Surgery	4.00 / 4.00
04/11/2008	Non-Occlusive Cerebral Bypass Surgery-UTHSCSA Grand Rounds	1.50 / 1.50
03/28/2008	Neurosciences Grand Rounds, The Fusion of Imaging and Devices for Endovascular Neurosurgery.	1.50 / 1.50
03/21/2008	Neurosciences Grand Rounds, Neurology CPC	1.50 / 1.50
03/14/2008	Neurosciences Grand Rounds, San Antonio CPC	1.50 / 1.50
03/07/2008	Neurosciences Grand Rounds, Neurology CPC	1.50 / 1.50
02/15/2008	Neurosciences Grand Rounds, Section of the Filum for Persistent Urinary Incontinence in Children with Occult tethered Cord Syndrome: From Clinical Question to a Randomized Trial.	1.50 / 1.50
02/08/2008	Neurosciences Grand Rounds, SA CPC	1.50 / 1.50
02/01/2008	Neurosciences Grand Rounds, Anomalous Innervations	1.50 / 1.50
01/11/2008	Neurosciences Grand Rounds	1.50 / 1.50
01/04/2008 - 02/04/2008	Activa DBS training in Philadelphia	0.00 / 16.00
12/07/2007	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
11/09/2007	Neurosciences Grand Rounds, Stroke and Cerebrovascular Diseases: Update Symposium.	1.50 / 1.50
10/21/2007 - 10/23/2007	Activa Deep Brain Stimulator on-site Training, Attended the surgical and programming on-site training for the Activa DBS at the University of Philadelphia with Gordon Baltuch, M.D.	0.00 / 0.00
10/19/2007	Neurosciences Grand Rounds, Professionalism Foundations, Framework, and Changing Facade.	1.50 / 1.50
10/12/2007	Neurosciences Grand Rounds, San Antonio CPC	1.50 / 1.50
10/05/2007	Small Vessel Disease, UTHSCSA Grand Rounds	1.50 / 1.50
09/21/2007	Neurosciences Grand Rounds, Intracerebral Hemorrhage: Current Management and future directions	1.50 / 1.50
09/14/2007	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
09/07/2007	Intracerebral Hemorrhage: Current Management and Future Directions, Grand Rounds	1.50 / 1.50
08/17/2007	SAH-Induced Myocardial Stunning,	1.50 / 1.50

	Grand Rounds	
07/27/2007	Speech Effects of Deep Brain Stimulation in PD, Grand Rounds	1.50 / 1.50
07/20/2007	Vasopressin Expression in Hypothalamic Paraventricular Corticotropin Release, Grand Rounds	1.50 / 1.50
06/01/2007	Neurosciences Grand Rounds, EMG and ALS	1.50 / 1.50
05/18/2007	Present & Future in the Treatment of Cerebral Aneurysms, Grand Rounds	1.50 / 1.50
05/11/2007	Neurosciences Grand Rounds, San Antonio CPC-Neurosciences Grand Rounds	1.50 / 1.50
04/26/2007 - 04/27/2007	2007 Texas Association of Neurological Surgeons Board Meeting, Courses taken for neurosurgical interventions. Meeting held in Dallas, Texas	0.00 / 0.00
04/13/2007	Vascular Malformation: Evidence of Treatment Decisions, Grand Rounds	1.50 / 1.50
03/30/2007	Inpatient EEG Monitoring & Non-convulsive Seizures, Grand Rounds	1.50 / 1.50
02/07/2007 - 02/12/2007	2007 AHA International Stroke Conference, Multidisciplinary international stroke meeting held in San Francisco Ca	26.50 / 26.50
01/06/2007	Speciality Training in Vertebroplasty and Kyphoplasty, Lectures on technique, procedures, outcome and hands-on training.	8.00 / 8.00
12/08/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
11/13/2006	CPC-Grand Rounds, Monthly CME conference in neuropathology	1.50 / 1.50
11/03/2006	Neurosciences Grand Rounds, Sherman Neurology Update	1.50 / 1.50
10/27/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
10/20/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
09/08/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
08/25/2006	Clinical Documentation Training-Supervising Physicians in Teaching Settings, UTHSCSA	0.50 / 0.50
08/11/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
07/28/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
06/30/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
06/13/2006 - 06/16/2006	Annual meeting of the Canadian Congress of Neurological Sciences	26.50 / 26.50
02/24/2006	Neurosciences Grand Rounds, Neurosciences Grand Rounds	1.50 / 1.50
02/12/2006 - 02/15/2006	6th Meeting AANS/CNS Cerebrovascular Section & American Society, Joint Annual Meeting	26.50 / 26.50

	AANS/CNS Cerebrovascular Section & American Society of Interventional & Therapeutic Neuroradiology	
02/03/2006	Neurosciences Grand Rounds, SA Neurosciences CPC	1.50 / 1.50
02/02/2006	Neurosciences Grand Rounds, MRI Conference	1.50 / 1.50
01/27/2006	Neurosciences Grand Rounds, SA Neurosciences CPC	1.50 / 1.50
12/02/2005	Neurosciences Grand Rounds, See No Evil, Hear No Evil: Imaging in Neruomuscular Disease.	1.50 / 1.50
11/04/2005	Neurosciences Grand Rounds, Paraneoplastic Neuro-Ophthalmology	1.50 / 1.50
10/28/2005	Neurosciences Grand Rounds, Determination of the Surgical Approach for Skull Base Tumors	1.50 / 1.50
10/21/2005	Neurosciences Grand Rounds, Charcot-Marie Tooth	1.50 / 1.50
09/16/2005	Neurosciences Grand Rounds, If you Don't Stop You will go Blind.	1.50 / 1.50
06/10/2005 - 06/13/2005	Annual meeting of the Canadian Congress of Neurological Sciences	26.50 / 26.50
01/05/2005 - 01/09/2005	International Course on Cerebral Revascularization, St Louis University, Mi	16.00 / 16.00
06/01/2004	Symposium on Minimally Invasive Spinal Surgery, Memphis. Tennessee	0.00 / 8.00
05/01/2004	UTHSCSA Clinical Neurosciences Grand Rounds, Weekly CME conference	1.50 / 1.50
06/06/2001	Surgical treatment of disorders at the cervico-thoracic junction - Canadian	8.00 / 8.00
01/01/2001	Surgical Method and Technology Review: An update for the Spine Surgeon. Pal	0.00 / 16.00
06/06/2000	Surgical treatment of disorders at the cranio-cervical junction - Canadian	8.00 / 8.00
06/06/1999	Thoracic and Lumbar Spinal Fixation Techniques-Canadian Congress of Neurolo	8.00 / 8.00
06/06/1998	Thoracic and Lumbar Spinal Fixation Techniques-Canadian Congress of Neurolo	8.00 / 8.00
01/01/1997	Thoracic and Lumbar Spinal Fixation Techniques - Canadian Congress of Neuro	8.00 / 8.00
01/01/1995	Thoracic and Lumbar Spinal Fixation Techniques - Canadian Congress of Neuro	8.00 / 8.00
01/01/1994	Cervical Spinal Fixation Techniques - Canadian Congress of Neurological Sci	8.00 / 8.00
01/01/1993 - 01/03/1993	Miami Neuro-Oncology Symposium- University of Miami School of Medicine, Mia	0.00 / 16.00
01/01/1992	Tumors of the central nervous system- Harvard University, Boston	16.00 / 16.00

01/01/1991 - 03/01/1991	75th Annual Meeting of the American Radium Society	16.00 / 16.00
01/01/1990	Consensus Workshop on Treatment of Advanced Cancer, 'First International Consensus Workshop on Radiation Therapy in the Treatment of Metastatic and Locally Advanced Cancer', Washington, DC	0.00 / 12.00
06/01/1989 - 06/03/1989	Minimally Invasive Spine Surgery, 'International Symposium on percutaneous lumbar discectomy and minimally invasive lumbar spine surgery'	0.00 / 18.00

Other

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
01/19/2008	Annual Meeting for The Texas Association of Neurological Surgeons, Meeting held in Austin, Texas	0.00 / 0.00
02/20/2006	Cerebrovascular Section Annual Meeting, 2006 AANS/CNS Cerebrovascular Section & American Society of Interventional & Therapeutic Neuroradiology, Clips & Coils NOT Clips vs. Coils: Collaborative Practice, Management of the Poor Grade Aneurysm Patient.	22.00 / 22.00
02/04/2005	American Association of Neurological Surgeons, 2005 Joint Annual Meeting AANS/CNS Cerebrovascular Section & American Society of Interventional & Therapeutic Neuroradiology	24.50 / 24.50
01/20/2005 - 01/23/2005	5th Annual International Meeting on Cerebral Revascularization, 5th Annual International Meeting on Cerebral Revascularization & Hands On Course on Microanastomosis and EC-IC Bypass Techniques	24.00 / 24.00
01/14/2005	Vasoactive Therapy in Critically Ill Patients, Sponsored by Medical Media Communications.	1.00 / 1.00
01/01/2004 - 04/01/2004	USMLE Step I, II, III, National competency exams for medical certification in United States	0.00 / 100.0
05/01/1995 - 09/06/1996	McGill University's Summer Program in Epidemiology and Biostatistics, I attended and completed the core 21 credits curriculum of McGill University's Diploma in Epidemiology and Biostatistics Program	0.00 / 200.0

Research

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
04/17/2007 - 04/22/2007	2007 FAST Trial Results Meeting,	0.00 / 0.00

To discuss Novo Nordisk study results. Held in Copenhagen, Denmark

Teaching

<u>Date</u>	<u>Description</u>	<u>C.E. Units/Hours</u>
01/23/2009 - 01/24/2009	2nd Annual Texas Neurosurgery Training Programs All-State Conference, Attended NSU Training Programs All-State Conference at the Medical Center Marriott, Houston, Texas. Resident and Faculty presentations.	0.00 / 0.00
05/12/2008 - 05/16/2008	Nice, France-XVII European Stroke Conference Symposium, Participate in teaching courses available, from stroke syndromes to vertebrasiliar ischemia.	0.00 / 0.00
07/25/2005	CDT - Supervising Physicians in Teaching Settings, Clinical Documentation Training for Supervising Physicians in Teaching Settings	0.50 / 0.50
09/02/2004	Endocrinology Pituitary Rounds, Monthly conference	3.00 / 39.00
05/01/2004	Epilepsy Surgery Conference, Weekly multidisciplinary conference reviewing the clinical presentation, video-EEG, seizure semiology and imaging of potential candidates for epilepsy surgery.	0.00 / 0.00
01/01/2000 - 12/31/2005	The Royal College of Physicians and Surgeons of Canada, The Royal College of Physicians and Surgeons of Canada - Accredited Group Learning Activities, Other Learning Activities, Accredited Self-Assessment Programs, Structured Learning Programs, Personal Practice Review, Personal Education Development.	921.0 / 0.00
01/01/1997	Small group teaching seminar- Faculties of Medicine and Education, McGill U, Course on prblem based learning and small group teaching	0.00 / 16.00

TEACHING

COURSE BASED TEACHING:

<u>Date</u>	<u>Course Name</u>	<u>Level</u>	<u>Role</u>
09/2004 - Present	SURG4010 Neurological Surgery	Undergraduate	Clinical Faculty

Third and fourth year elective clerkship. One on one supervision in clinic, ward and

operating room.

OTHER TEACHING:

Group Instruction

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
07/2010 - 07/2010	"Middle Cranial Base: Anterior & Lateral Approaches"	UTHSCSA-Department of Neurosurgery	20
06/2010 - 06/2010	Neuro Jeopardy-Senior Residents vs Junior Residents	The University of Texas Health Science Center at San Antonio	20
06/2010 - 06/2010	PBLS Case of the Month	The University of Texas Health Science Center at San Antonio	20
<i>Case of the month presented to residents in which disease process, anotomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.</i>			
05/2010 - 05/2010	PBLS Case of the Month: "Chiari"	The University of Texas Health Science Center at San Antonio	20
<i>Case of the month presented to residents in which disease process, anotomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.</i>			
04/2010 - 04/2010	PBLS Case of the Month	The University of Texas Health Science Center at San Antonio	20
<i>Case of the month presented to residents in which disease process, anotomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.</i>			
02/2010 - 02/2010	PBLS Case of The Month	The University of Texas Health Science Center at San Antonio	20
<i>Case of the month presented to residents in which disease process, anotomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.</i>			
10/2009 - 10/2009	PBLS Case of The Month	The University of Texas	20

Health Science Center at
San Antonio

Case of the month presented to residents in which disease process, anatomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.

09/2009 - 09/2009 PBLS Case of The Month The University of Texas 20
Health Science Center at
San Antonio

Case of the month presented to residents in which disease process, anatomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.

03/2009 - 03/2009 Neuroanatomy Review The University of Texas 20
Health Science Center at
San Antonio

08/2008 - 08/2008 Neurological Surgery The University of Texas 20
Resident Training "Deep Health Science Center at
Vein Thrombosis San Antonio
Prophylaxis in Neurosurgical
Patients"

Teaching/training residents on neurosurgical subject "Deep Vein Thrombosis Prophylaxis in Neurosurgical Patients"

05/2006 - Present Neurological Surgery The University of Texas 30
Resident Training-PBLS Health Science Center at
Case of the Month San Antonio

Case of the month presented to residents in which disease process, anatomy and physiology, and surgical outcome are reviewed for specific patient case scenario. Residents and students are encourage to review the pertinent literature and to present evidence based recommendations. The goal of the course is to promote life-long self learning, practice based learning and critical appraisal.

03/2006 - Present Neuroanatomy Review The University of Texas 30
Health Science Center at
San Antonio

This session consists of a yearly oral quiz of basic anatomy as it applies to neurosurgery. It aims to integrate knowledge from basic sciences and didactic neuroanatomy lectures and to test self learning skills.

01/1999 - 12/1999 Basic Sciences Conference McGill University

04/1995 - 04/1995 Pain management in McGill University 200
general practice

I was the course director. Full day symposium for general practice physicians as part of CME courses offered by McGill University Faculty of Medicine

01/1990 - 01/1992 ATLS McGill University

01/1989 - 01/1999	Clinical Neurological Sciences Link Program - Overview of The Principals of Neurosurgery	McGill University
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Individual Instruction

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
06/2007 - Present	Neurosurgery Resident Mentorship	University of Texas Health Science Center at San Antonio	1

Mentoring individual resident. Working out a study plan, reviewing outcome. Helping with personal and student issues as appropriate.

Masters' Thesis Directed

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
09/1999 - 10/2000	Déséquilibre de l'expression des métallo protéinases dans les malformations vasculaires du système n	Universite de Montreal	1

Ph.D. Dissertations Directed

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
09/2000 - 10/2002	Fusing MR-angiographic imaging with 3-D reconstruction for applications in radiosurgery	McGill University	1

Yanick Bercier, PhD Thesis project in Medical physics Defense 2002 Publish thesis McGill University Press

Post-Doctoral Student Supervision

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
07/2005 - Present	Resident training in neurosurgery	UTHSCSA	11

Supervision of clinical training of Neurosurgery residents on ward duties, operating room training and proctorship.

05/2005 - Present	Friday Residents Half-Day Academics	University of Texas Health Science Center at San Antonio	12
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Friday mornings are the Residents Half-Day Academics. This is compulsory to all member of the faculty and residents. Medical students, mid-level providers are invited to attend as well. The morning starts at 7am with a curriculum based didactic lecture covering neuroanatomy and neurophysiology. This is follow by the Clinical Neurosciences Grand Rounds where neurosurgery residents share the podium with their neurology colleagues. After this multidisciplinary conference, we proceed with small group interactive teaching.

Conferences follow a pre-determined schedule and will include monthly Q&A, Journal club, Problem based learning (PBLs), Research seminars, Critical care conference, socioeconomic conference, ACGME competencies. Weekly pre-operative conference discusses the clinical cases for the following week where the students engage in the discussion of the clinical presentation, pathophysiology, imaging and management of the patients scheduled for surgery. Time is also allocated to discuss any issues with the training program in a collegial and professional manner. In-training written exams are conducted every 3 months.

09/1999 - 04/2004	Resident Training in Neurosurgery	Universite de Montreal	5
	<i>Supervision of clinical training of Neurosurgery residents on ward duties, operating room training and proctorship.</i>		
09/1998 - 04/2001	Sytematic review of the role of radiosurgery in the treatment of solitary brain metasases	McGill University	2
	<i>Paper presented at 2001 AANS meeting</i>		
07/1992 - 06/1998	Technique and clinical applications of stereotaxy and radiosurgery	McGill University	1
	<i>Post-graduate Radio-Oncology Fellowship in clinical research.</i>		
01/1988 - 09/1988	"Injury severity scale" (ISS) in Neurotrauma	McGill University	1
01/1987 - 09/1999	Resident Training In Neurosurgery	McGill University	12
	<i>Supervision of clinical training of Neurosurgery residents on ward duties, operating room training and proctorship.</i>		

Pre-Doctoral Student Supervision

<u>Date</u>	<u>Description</u>	<u>Institution</u>	<u># Students</u>
11/1999 - 10/2000	Sytematic review of the role of radiosurgery in the treatment of solitary brain metasases	Universite de Montreal	1

RESEARCH

EXPERTISE:

Cerebrovascular Surgery - My fellowship in cerebrovascular surgery in London, Ontario with Dr. Charles Drake not only perfected the skills required for the sub-specialty but made me a part of a team dedicated to one cause: the prevention and treatment of cerebrovascular diseases. Upon my return to Montreal I established, with my colleagues in neurology, this team approach. We quickly became recognized as experts in neurovascular disorders. We created one of the initial "multidisciplinary neurovascular clinic" in Canada. Our collaboration allowed us to participate in all the large multinational clinical trials. In September 1999 I joined the

neurovascular service of the CHUM. My practice was mainly devoted to the care of neurovascular disorders and I was instrumental in developing a team with my colleagues in vascular neurology and endovascular neuroradiology. I am an active member of many cerebrovascular medical societies. At UTHSCSA I have directed the development of neurovascular surgery. Prior to my arrival in May 2004, there was no neurovascular surgery at UTHSCSA. Through collaboration with vascular neurology we have established a functional unit. The unit now performs more than 150 neurovascular cases with the recent addition of endovascular neurosurgery. We are participating in and are involved in the development of several national and international clinical trials and have developed a network of collaboration both with other academic centers and industry.

Minimally Invasive Spinal Surgery - My duties as leader in neurotrauma, at the Montreal General Hospital Trauma Center, confronted me with many aspects of spinal column injuries. Therefore I have constantly updated my skills in treatment of all spinal pathologies including trauma, neoplasms and degenerative disorders. I am trained in all aspects of spinal fixation and have performed many complex procedure at all spinal levels. My competence in complex spinal surgery has been recognized by my peers, having participated as invited speaker and hands-on demonstrator at national meetings. Applying microvascular surgery skills to spinal disorders and through extensive training in spinal fixation the next step was to apply these principles to the development of a minimally invasive spinal surgery unit at UTHSCSA. I am directing the development of a Minimally Invasive Spinal Surgery Unit at St-Luke's Baptist Health Care Center. The goal is to have a new clinical teaching unit mainly active in minimally invasive spine surgery using the most advanced technology, participating in innovation in collaboration with industry.

Stereotactic Radiosurgery - The medical physics group of the MGH directed by E. Podgorsak PhD, developed an innovative technique of stereotactic radiosurgery using a megavoltage linear accelerator (LINAC). I became a very active member of the team developing the software required for the integration of imaging and radio-isodoses calculations. We studied many clinical and scientific applications of the technique. We were the first to develop and apply a technique of fractionated stereotactic radiotherapy to treat lesions in sensitive areas of the brain. This collaboration culminated in more than 100 publications in recognized scientific journals. We were for many years the only unit offering radiosurgery for arteriovenous malformations in Quebec and in the eastern provinces. Many Canadian centers have since installed the McGill Dynamic Radiosurgery Technique in their radio-oncology units. We are in the process of developing a LINAC based radiosurgery unit at the UTHSCSA in collaboration with the CTRC and the recently appointed department chair of Radiation Oncology. I will be a pivotal member of the multidisciplinary team involved in treatment of vascular and spinal disorders.

Stereotactic and Functional Neurosurgery - My neurosurgical training at the Montreal Neurological Institute, under the careful guidance of Drs. A. Olivier, G. Bertrand and JG Villemure, prepared me for an academic career that would include the surgical management of epilepsy and movement disorders. I have been performing all the epilepsy surgery and movement disorder surgery at UTHSCSA. I am leading the development of a comprehensive movement disorder program. I am the surgical provider of the South Texas Comprehensive Epilepsy Center. I am the co-investigator on several translational research projects.

PROJECTS:

Clinical Research

06/2007-Present

Interictal high frequency oscillations in temporal lobe epilepsy,
Interictal high frequency oscillations in temporal lobe epilepsy.

High frequency oscillations (HFOs) have been proposed as an independant marker of seizure-onset zone (SOZ) in patients with intractable temporal lobe epilepsy. We are studying the relationship of anatomical location and electrophysiological parameters of HFOs, interictal spikes and

	SOZ and seizure outcomes defined by conventional phase II video-EEG monitoring.
03/2006-Present	Cerebral Hemodynamic Effects of Hypertonic Solutions in Severe Head Injury
06/2001-02/2002	Sevoflurane provides faster recovery and postoperative neurological assessm, Sevoflurane in neurosurgery patients: Double blinded RCT
06/1996-Present	Adjuvant Tamoxifen and Postoperative radiotherapy in patients with newly di
Co-Investigator	
06/1999-06/2002	Fusing MR-angiographic imaging with 3-D reconstruction for applications in, PhD thesis research medical physics Continuing collaboration with the department of medical physics of the Montreal General Hospital in the development of novel imaging techniques as they apply to radiosurgery
01/1997-09/1999	Comparative study of CT-angiography and conventional angiography in the dia, Novel non-invasive investigative and diagnostic techniques
06/1995-06/1996	Adjuvant Tamoxifen and Postoperative radiotherapy in glioblastoma, McGill Radiation-Oncology Group
01/1992-12/1993	Phase II Study - Stereotactic radiosurgery followed by hyperfractionated r, McGill Clinical Oncology Group Trial #ET-9102
Collaborative Research	
06/1995-06/1999	Comparative study of the various investigative methods for carotid stenosis, PhD thesis in Epidemiology of the Université de Montréal
NIH/NCI funded project	
06/2008-Present	Model for chronic intracranial ECOG monitoring in the baboon primate, We developed a model for chronic ECOG monitoring in the baboon primate where intracranial depth, grids and strip electrodes are implanted bilaterally, externalized and connected to a remote video-EEG recorder. This technique was developed for the R-22 funded study of photosensitive epilepsy in a sub-population of baboon primates with hereditary epilepsy.
Pilot Research	
01/2005-Present	Short segment fixation for thoracolumbar burst fractures
12/2004-12/2009	Progression of traumatic cerebral contusions, Incidence and Factors associated with progression of hemorrhagic traumatic brain contusions and determination of time line of progression
01/2002-06/2002	Diffusion of inhaled NO in the CSF of a porcine model, Pilot

study in preparation of a porcine model of cerebral vasospasm following subarachnoid hemorrhage

Research Projects

- 12/2006-Present Effect of Acute Withdrawl of Artovastatin in Rat Stroke Model, Stroke volume, real time PCR stroke markers, eNOS
- 12/2006-Present Neuroprotection of Acute Pre-loading Artovastatin in Rat Stroke Model, Stroke volume. Real time PCR of acute inflammatory markers, eNOS
- 12/2006-Present Neuroprotection of Chronic Pre-loading Artovastatin in Rat Stroke Model, Measure neuroprotective effects of long term usage of artovastatin (Lipitor) in rodent stroke model by stroke volume,real time PCR of inflammatory markers (TNFa, MMP9, eNOS)

Teaching Projects

- 05/2009-Present Microvascular Surgery Skills Laboratory,
Goals:
The primary goal of this elective rotation is to gain general microsurgical skills applicable to a general neurosurgical practice. The trainee will learn the basic use of the surgical microscope, manipulating tissues with fine instruments and acquire the psychomotor skills to work in small confined surgical fields.
Secondary goal is to present an in-depth learning experience in the management of ischemic cerebral syndromes and giant intracranial aneurysms. Trainees can perfect their skills through applications of advanced microvascular surgical techniques. Furthermore they will have the opportunity to participate in innovative technological advances in the field as they develop.
- Objectives:
Acquire and master the skills of microvascular surgery.
Master the technique of simple arteriotomy, end-to-end microvascular anastomosis, end-to-side microvascular anastomosis and the more complex side-to-side anastomosis.
Learn the detailed anatomy of the cerebral vasculature.
Learn the detailed interpretation of CT, MR and conventional techniques to evaluate cerebral vascular anatomy.
Become familiar with ancillary techniques to evaluate the integrity of cerebral perfusion, including the use of CT perfusion, CTA, MRA, SPECT and PET.
Learn to perform and interpret trans-cranial Doppler (TCD) examinations.
Acquire an in-depth understanding of the pathophysiology responsible for atherosclerotic occlusive extracranial and intracranial disease, moya-moya and other vasculopathies.
Understand the indications for cerebral revascularization with a substantive knowledge of the pertinent literature as it applies to vascular and skull base pathology.
Understand the rational for low and high flow bypass surgery and master the skills to perform:
1) Superficial temporal artery (STA) to middle cerebral artery (MCA) low-flow bypass

- 2) Extracranial carotid artery (ECA) to middle cerebral artery (MCA) high flow bypass using a saphenous vein or radial artery graft
- 3) Internal carotid artery (ICA) to middle cerebral artery (MCA) high flow jump bypass
- 4) Non-occlusive bypass techniques including the Excimer Laser Assisted Non-occlusive Anastomosis (ELANA)

Program:

- 1) Demonstration and learning basic in-vitro skills laboratory using surgical microscope, training device platform and harvested xenograft arteries.
- 2) Demonstration and learning advanced in-vitro skills laboratory using training device platform and harvested xenograft arteries.
- 3) Demonstration and hands-on use of the ELANA technique and EXIMER laser safety procedures.
- 4) Demonstration and hands-on cadaver skills laboratory of STA-MCA bypass, high flow ECA-MCA and jump ICA-MCA bypass surgery (integrated with the skull base surgery laboratory).
- 5) Acquire skills in harvesting saphenous vein and radial artery by assisting in cardiac bypass surgery.
- 6) Demonstration and training with trans-cranial Doppler device in the neurosurgical-critical care unit.
- 7) Weekly stroke journal club (in collaboration with vascular neurology).
- 8) Monthly neurovascular surgery conference.

Requirements:

- 1) Independent daily attendance to surgical skills laboratory.
- 2) Attendance and participation in weekly stroke journal club.
- 3) Plan and lead the monthly neurovascular surgery conference.
- 4) Perform or attend trans-cranial Doppler examinations in the neurosurgical-critical care unit.
- 5) Attend or assist on (all) neurovascular surgery cases.
- 6) Responsibilities for clinical care of in-hospital surgical neurovascular patients.

Evaluation:

- 1) In-training laboratory skills evaluation with video feed-back
- 2) Clinical/surgical skills in-training evaluation
- 3) Attendance and active participation in conferences
- 4) Exit written and oral examinations

Future developments:

- 1) Development and implementing interactive video teaching modules.
- 2) Integrating teaching modules with the skull base surgery fellowship and courses. (see Dr. JD Day for further reference)
- 3) Become a certified center for advanced ELANA (non-occlusive bypass technique) training courses using Spectranetics excimer laser technology (FDA approval of the technique is pending).
- 4) Establish relationships for collaborative translational research with University of Utrecht Medical School, Utrecht Medical Center and Elana Laboratories.

collaboration between UTHSCSA's Department of Neurosurgery and St-Luke's Baptist Hospital I am leading a project to develop a minimally invasive spine center. At this time clinical practice link with various groups in the community have been established. Regular presence in the clinic as well as secure block time in the operating room have been negotiated. The second phase of planning is now under way: include capital expenditures for equipment acquisition of the most advanced intra-operative imaging and surgical navigation, working collaboration with critical care team, streamlined patient processes. Our goal is to create an advanced clinical teaching surgical unit with expertise in minimally invasive spine surgery.

PUBLICATIONS: (indicates Peer Reviewed)**

Abstract

- * 1. V Bartanusz MD, JLCaron MD, J Floyd MD, M Ziu MD. Delayed post-traumatic spinal cord infarction Congress of Neurological Surgeons; 2009 Oct.
- * 2. Viktor Bartanusz, Jean-Louis Caron, Giacomo G. Vecil, David F. Jimenez . POSTERIOR SHORT SEGMENT STABILIZATION AS A STAND ALONE TREATMENT FOR UNSTABLE THORACIC-LUMBAR JUNCTION FRACTURES Congress of Neurological Surgeons; 2008 Oct.
- * 3. M. Guo, Caron MD FRCSC FACS J, Jimenez DF, Ding Y. Increased Cerebral Metabolism in Exercise-Induced Neuroprotection After Stroke 2008. p. 86-86. (Cerebrovascular Diseases; vol. 25, no. S2).
- * 4. S. Griffith, Caron MD FRCSC FACS J, Coleman M., Steigelman J., Salazar R., DiGeronimo. Invasive Versus Non-Invasive Monitoring of Brain Tissue Oxygenation 2008. p. 86-86. (Cerebrovascular Diseases; vol. 25, no. S2).
- * 5. Griffith S., Caron MD FRCSC FACS J, Coleman M., Stiegelman J., Salazar R., DiGeronimo. Core Temperature Versus Intracerebral Temperature Monitoring Hypothermia for Neuroprotection 2008. p. 88-88. (Cerebrovascular Diseases; vol. 25, no. S2).
- * 6. Caron JLR. Progression of traumatic cerebral contusions 2005 May. (Journal of the Canadian Congress of Neurological Sciences).
- * 7. Judith Marcoux, Jean-Louis Caron, Michel W. Bojanowski. Surgical Treatment of Anterior Choroidal Artery Aneurysms Congress of Neurological Surgeons; 2002 Oct.
- * 8. Shedid D, Caron JL, Bojanowski MW, Sauvageau A. Direct Surgical Clipping of Large and Giant Internal Carotid Artery (ICA) Aneurysms. 2002 Jun. (Canadian Congress of Neurological Sciences, Vancouver, Comombie-Britannique).
- * 9. Shedid D, Bojanowski MW, Caron JL. Ligature Directe des Aneurysmes Volumineux de la Carotide Interne 2002. (Journee Scientifique 2002, Departement de Chirurgie, Universite de Montreal).
- * 10. Shedid D, Bojanowski MW, Caron JL. Aneurysmes Intracraniens de Tres Petite Dimension (<5 mm). 2002. (Journee Scientifique Annuelle du Departement de Chirurgie, Universite de Montreal).

- * 11. Shedid D, Bojanowski WM, Caron JL. Aneurismes Intracraniens de Tres Petite Dimension 2001 Nov. (Congres de l'Association des Neurochirurgiens due Quebec).
- * 12. Shedid D, Bojanowski WM, Caron JL. Ligature Directe des Aneurismes Volumineux de la Carotide Interne. 2001 Nov. (Congres de l'Association des Neurochirurgiens du Quebec).
- * 13. Shedid D, Bojanowski MW, Caron JL, Beaulieu E, Berthelet, F, Beliveau R. Dysregulation of metalloproteinases expression in arteriovenous malformations: Clues to the pathogenesis of the disease. 2001. (Cerebrovascular Section of the American Association of Neurological Surgeons, affiche, Hawaii 2001).
- * 14. Shedid D, Bojanowski MW, Caron JL, Beaulieu E, Berthelet F, Beliveau R. Dysregulation of metalloproteinases expression in the central nervous system vascular malformations. 2001. (American Association of Neurological Surgeons, affiche, Toronto).
- * 15. Shedid D, Bojanowski MW, Caron JL, Beaulieu E, Berthelet F, Beliveau R. Desequilibre de l'expression des metalloproteinases dans les malformations vasculaires due systeme nerveux central. 2000 Nov. (Journee Scientifique 2000 - Departement de Chirurgie. Faculte de Medecine, Universite de Montreal).
- * 16. Shedid D, Bojanowski MW, Caron JL, Beaulieu E, Berthelet F, Beliveau R. Desequilibre de l'expression des metalloproteinases dans les malformations vasculaires due systeme nerveux central. 2000 Oct. (Congres des Sciences Neurologiques due Quebec).
- * 17. Adada B, Bojanowski MW, Caron JL. Abord presigmoidien, transtentorial des aneurismes due tronc basilaire. 2000 Oct. (Congres des Sciences Neurologiques du Quebec).
- * 18. Nguyen A, Girard F, Boudreault D, Ruel M, Bojanowski M, Bouthillier A, Caron JL, Moumdjian R, Girard D. Le bloc du scalp soulage la douleur apres une craniotomie. 2000 Oct. (Congres des Sciences Neurologiques du Quebec).
- * 19. Shedid D, BOjanowski MW, Caron JL, Berthelet F, Beliveau R. Dysregulation of metalloproteinases expression in the central nervous system vascular malformations 2000 Sep. (Congress of Neurological Surgeons).
- * 20. Bojanowski MW, Adada B, Caron JL, Lavigne F. Antesignmoid, transtentorial approach for basilar trunk aneurysms. 2000 Jun. (35th Canadian Congress of Neurological Sciences).
- * 21. Atkinson JD, Golan J, Caron JL. Radiosurgery vs. surgical resection for the treatment of cerebral metastases: A systematic review. 2000 Jun. (35th Canadian Congress of Neurological Sciences).
- * 22. Shedid D, Bojanowski MW, Caron JL, Beliveau R. Dysregulation of metalloproteinases expression in the central nervous system vascular malformation. 2000 Jun. (35th Canadian Congress of Neurological Sciences).
- * 23. Atkinson J, Golan J, Caron JL. Radiosurgery for cerebral metastases: A review of the literature. 2000 Apr. (Meeting of the American Association of

Neurological Surgeons (AANS).

- * 24. Adada B, Caron JL, Bojanowski MW. Non aneurysmal subarachnoid hemorrhage. 2000 Feb. (Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology).
- * 25. Tsien C, Souhami L, Caron JL, Olivier A, Sadikot A, Liu M, Podgorsak E, del Carpio R. The use of stereotactic radiosurgery in the treatment of intracerebral cavernous angiomas. 1998 Oct. (American Society of Therapeutic Radiology and Oncology, 40th Annual Meeting).
- * 26. Tsien C, Souhami L, Caron JL, Olivier A, Sadikot A, Liu M, Podgorsak E, del Carpio R. Stereotactic radiosurgery in the treatment of CNS cavernous angioma. 1998 Sep. (Canadian Association of Radiation Oncology, 67th Annual Meeting).
- * 27. Tsien C, Souhami L, Caron JL, Olivier A, Sadikot A, Liu M, Podgorsak E, del Carpio R. Le traitement des angiomes caverneux: L'approche radiochirurgicale. 1998 Jun. (Association des radio-oncologues du Quebec).
- * 28. Caron JL, Souhami L, Villemure JG, Bahary JP, Podgorsak E, Bourgouin P, Clark B, Pla C. Should radiosurgery play a role in treating solitary cerebral metastases? 1994. (Canadian Congress of Neurological Sciences).
- * 29. Caron JL, Raymond J, ROy D, Souhami L, Bojanowski MW, Podgorsak E, Clark B, Pla C. Combined neurosurgery, interventional radiology and stereotactic radiosurgery to treat large inoperative cerebral arteriovenous malformations. 1994. (Canadian Congress of Neurological Sciences).
- * 30. Caron JL, Podgorsak E, Souhami L, Pla M, Clark B, Pla C, Cadman P. A technique of fractionated stereotactic radiotherapy for the treatment of intracranial tumors. 1994. (XXIX Canadian Congress of Neurological Sciences).
- * 31. Freeman CR, Souhami L, Caron JL, Villemure JG, Olivier A, Farmer JP, Montest J, Podgorsak EB. Stereotactic irradiation in previously untreated brain tumors in children. 1992 Jun. (Fifth Canadian Neuro-Oncology Meeting).
- * 32. Souhami L, Olivier A, Villemure JG, Podgorsak EB, Caron JL. Fractionated stereotactic radiotherapy in the treatment of low grade astrocytomas. 1992. p. 148-148. (American Society of Clinical Oncology; vol. 11).
- * 33. Podgorsak EB, Souhami L, Caron JL, Pla M, Clark B, Cadman P, Pla C. A technique for fractionated stereotactic radiotherapy in the treatment of intracranial tumors. 1992. (Int. Radiat. Oncol. Biol. Phys.).
- * 34. McKenzie MR, Caron JL, Souhami L, Olivier A, Villemure JG, Podgorsak EB. Early and late complications following dynamic stereotactic radiosurgery. 1991 Jun. (International Stereotactic Radiosurgery Symposium).
- * 35. Caron JL, McKenzie MR, Souhami L, Olivier A, Villemure JG, Podgorsak EB. Complications following dynamic stereotactic radiosurgery: review of 112 cases. 1991 Jun. p. 225. (Can J Neurol Sci; vol. 18).
- * 36. Caron JL, Souhami L, Podgorsak E. Palliative Stereotactic Radiosurgery for Solitary Metastatic Cerebral Tumors 1991 May. (The American Radium Society).

- * 37. Caron JL, SOuhami L, Podgorsak E. The use of stereotactic radiosurgery in the treatment of recurrent solitary cerebral metastases. Proceedings of the First International Consensus Workshop on Radiation Therapy in the Treatment of Metastatic and Locally Advanced Cancer. 1990 Oct. (American College of Radiology).
- * 38. Caron JL. La discectomie percutanee lombaire automatisee: une alternative au traitement chirurgical standard de la radiculopathie discale. 1990 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 39. Caron JL, Souhami L, Podgorsak E. La radiochirurgie stereotactique dynamique dans la traitement des lesions metastatiques cerebrales solitaires. 1990 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 40. Caron JL, Raymond J, Fontaine S. Treatment of a mid-basilar trunk (AICA) aneurysm by endovascular detachable balloon occlusion of the aneurysmal sac: Case report. 1990 May. p. 257-257. (Can. J. Neurol. Sci).
- * 41. Caron JL, Raymond J, Ford RM, Fontaine S. L'approche combinee de la neuroradiologie et de la neurochirurgie dans le traitement d'une malformation arterioveineuse cerebrale geante. 1990 May. p. 257-258. (Can. J. Neurol. Sci.).
- * 42. Caron JL, Souhami L, Podgorsak E. Dynamic stereotactic radiosurgery in the palliative treatment of cerebral metastatic tumors 1990 May. p. 216-216. (Can. J. Neurol. Sci.).
- * 43. Caron JL, Ismail A, Ford RM. L'utilisation du Injury Severity Score (ISS) comme instrument de predicition du resultat d'un traumatisme craniocerebral. 1990 May. p. 230-230. (Can J Neurol Sci).
- * 44. Caron JL. Automated Percutaneous Lumbar Discectomy: An alternative to standard surgical lumbar disc removal for radiculopathy. 1990. p. 221-221. (Can J Neurol Sci).
- * 45. Caron JL, Souhami L, Podgorsak E. Dynamic stereotactic radiosurgery in the palliative treatment of cerebral metastatic tumors. 1990. (Clinical Investigative Medicine; vol. 13, no. B121).
- * 46. Caron JL. Automated Percutaneous Lumbar Discectomy: an alternative to standard surgical treatment of herniated lumbar discs and radiculopathy. 1989 Nov. (International Society for the Study of the Lumbar Spine.).
- * 47. Ismail A, Caron JL, Brown R. The injury severity score and outcome in patients with craniocerebral trauma. 1988 Sep. (Annual Meeting of the Trauma Association of Canada).
- * 48. Caron JL, Raymond J, Ford RM. L'approche combinee de la neuroradiologie et de la neurochirurgie dans le traitement d'une malformation arterioveineuse cerebrale geante. 1988 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 49. Caron JL, Ismail A, Ford RM. L'utilisation du Injury Severity Score (ISS) comme instrument de prediction du resultat d'un traumatisme craniocerebral. 1988 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 50. Gelb AW, Lam AM, Wu X, Caron JL, Diamond JG. Anesthetic agents influence the cerebral blood flow response to hypoxic hypoxemia 1988. p.

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- * 51. Caron JL, Peerless SJ, Drake CG, Ferguson GG. Early surgery and induced hypervolemic/hypertensive therapy in the treatment of ruptured intracranial aneurysms. 1987 Jun. (Can. J. Neurol Sci.).
- * 52. Caron JL, Drake CG, Peerless SJ. La chirurgie des aneurysmes de la circulation vertebro-basilaire: Retrospective de 1300 cas. 1987 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 53. Caron JL, Pokrupa RP. False aneurysm of the superior cerebellar artery. XXlth Canadian Congress of Neurological Sciences. 1986 Jun. (Can. J. Neurol Sci.).
- * 54. Caron JL, Spadaro A, Peerless SJ, Floyd P. L'approche trans-orbitale de l'artere cerebrale moyenne avec implantation d'un micro-tourniquet chez le chat: Observations sur un modele experimental d'ischemie cerebrale. 1986 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 55. Caron JL, Peerless SJ, Drake CG, Ferguson GG. Chirurgie aigue dans la rupture d'aneurysmes intracraniens: observations sur 78 cas. 1986 May. (Association des NEurochirurgiens de la Province de Quebec).
- * 56. Caron JL, Worthington CW, Leblanc R. Cyst formation in meningiomas 1985 Jul. (8th International Congress of Neurological Surgery).
- * 57. Pokrupa RP, Caron JL. Faux aneurysme post-traumatique de l'artere cerebelleuse superieure. 1985 May. (Association des Neurochirurgiens de la Province de Quebec).
- * 58. Olivier A, Theron J, Caron JL, Peters T.. L'artere choroidienne anterieure et la veine basilaire dans le reperege stereotaxique. 1984 Dec. (Societe de Neurochirurgie de langue francaise et Societe francaise de Neuroradiologie).
- * 59. Caron JL, Worthington CW, Bertrand G. Pneumocephalee sous tension apres evacuation d'un hematome sous-dural chronique et son traitement. 1984 May. (Association des Neurochirurgiens de la Province de Quebec).

Book Chapter

1. Caron J. A halo-ring technique for fractionated sterotactic radiotherapy. In: Clark BG, Podgorsak EB, Souhami L, Olivier A, Sixel KE, Caron JL. The Year Book of Oncology. Mosby; 1994.
2. Caron J. Early and late complications following dynamic sterotactic radiosurgery. In: McKenzie MR, Caron JL, Souhami L, Olivier A, Villemure JG, Podgorsak EB. Stereotactic Radiosurgery Update. 1992.
3. Caron J. Management of aneurysms of the posterior circulation. (compilation of 1300 patients with posterior circulation aneurysms) In: Peerless SJ, Drake CG, Caron JL. In Neurological Surgery, Second Edition. W.B. Saunders Co.; 1990.

Editorial

1. Caron MD FRCSC FACS J. Management of Aneurysmal Subarachnoid Hemorrhage: Is There a Light at the End of the Tunnel? The American Heart Association: Science News 2009 Jan

Journal Article

- * 1. White CL, Stephen Griffith, Caron JL. Acute Progression of Traumatic Cerebral Contusions Journal of Trauma 2009;67(3):508-515.
- * 2. Fuss M, Salter BJ, Caron JL, Vollmer DG, HERMAN TS. Intensity-modulated radiosurgery for childhood arteriovenous malformations. Acta Neurochir (Wien) 2005 Jul;147(11):1141-1150.
- * 3. Nguyen A, Girard F, Boudreault D, Fugère F, Ruel M, Moumdjian R, Bouthilier A, Caron JL, Bojanowski MW, Girard DC, Caron JR. Scalp nerve blocks decrease the severity of pain after craniotomy. Anesth Analg 2001 Nov;93(5):1272-1276.
- * 4. Clark BG, Souhami L, Pla C, Al-Amro AS, Bahary JP, Villemure JG, Caron JL, Olivier A, Podgorsak EB, Caron JR. The integral biologically effective dose to predict brain stem toxicity of hypofractionated stereotactic radiotherapy. Int J Radiat Oncol Biol Phys 1998 Feb;40(3):667-675.
- * 5. Caron JL. Les traumatismes craniens. Le Medecin du Quebec 1998
- * 6. Shenouda G, Souhami L, Podgorsak EB, Bahary JP, Villemure JG, Caron JL, Mohr G, Caron JR. Radiosurgery and accelerated radiotherapy for patients with glioblastoma. Can J Neurol Sci 1997 May;24(2):110-115.
- * 7. Caron JL, Caron JR. Surgery in the elderly patient: a time for reappraisal. Can J Surg 1996 Apr;39(2):94-95.
- * 8. Faria SL, Souhami L, Bahary JP, Caron JL, Villemure JG, Olivier A, Clark B, Podgorsak EB, Caron JR. [Brain metastasis. Palliative treatment with radiosurgery] Arq Neuropsiquiatr 1995 Sep;53(3-B):570-576.
- * 9. Freeman CR, Souhami L, Caron JL, Villemure JG, Olivier A, Montes J, Farmer JP, Podgorsak EB, Caron JL. Stereotactic external beam irradiation in previously untreated brain tumors in children and adolescents. Med Pediatr Oncol 1994;22(3):173-180.
- * 10. Caron JL, Souhami L., Villemure JG, Bahary JP, Podgorsak E, Bourgouin P, Clark B, Pla C.. Should radiosurgery play a role in treating solitary cerebral metastases? Can. J. Neurol. Sci. 1994;21(supl2):suppl2-suppl2.
- * 11. Caron JL, Raymond J, Roy D, Souhami L, Bojanowski MW, Podgorsak E, Clark B, Pla C. Combined neurosurgery, interventional radiology and stereotactic radiosurgery to treat large inoperable cerebral arteriovenous malformations. Can. J. Neurol. Sci. 1994;21(supl2):suppl2-suppl2.
- * 12. Caron JL, Podgorsak E, Souhami L, Pla M, Clark B, Pla C, Cadman PA. Technique of fractionated stereotactic radiotherapy for the treatment of intracranial tumors Can. J. Neurol. Sci. 1994;21(supl2):suppl2-suppl2.
- * 13. Podgorsak EB, Souhami L, Caron JL, Pla M, Clark B, Pla C, Cadman P, Caron JR. A technique for fractionated stereotactic radiotherapy in the treatment of intracranial tumors. Int J Radiat Oncol Biol Phys 1993 Dec;27(5):1225-1230.
- * 14. McKenzie MR, Souhami L, Caron JL, Olivier A, Villemure JG, Podgorsak EB, Caron JR. Early and late complications following dynamic stereotactic radiosurgery and fractionated stereotactic radiotherapy. Can J Neurol Sci 1993 Nov;20(4):279-285.

- * 15. Clark BG, Podgorsak EB, Souhami L, Olivier A, Sixel KE, Caron JL, Caron JR. A halo-ring technique for fractionated stereotactic radiotherapy. Br J Radiol 1993 Jun;66(786):522-527.
- * 16. McKenzie MR, Souhami L, Podgorsak EB, Olivier A, Caron JL, Villemure JG, Caron JR. Photon radiosurgery: a clinical review. Can J Neurol Sci 1992 May;19(2):212-221.
- * 17. Caron JL, Souhami L, Podgorsak EB, Caron JR. Dynamic stereotactic radiosurgery in the palliative treatment of cerebral metastatic tumors. J Neurooncol 1992 Feb;12(2):173-179.
- * 18. Souhami L, Oliver A, Podgorsak EB, Villemure JG. The treatment of low grade astrocytomas with fractionated stereotactic radiotherapy Radiology 1992;185(P):326-326.
- * 19. Cote R, Caron JL, Caron JR. Management of carotid artery occlusion. Stroke 1989 Jan;20(1):123-126.
- * 20. Cote R, Caron JL. Management of internal carotid occlusion. Current concepts of cerebrovascular disease and stroke 1988;23:25-29.
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- * 22. Worthington C, Caron JL, Bertrand G, Caron JR. Tension pneumocephalus. Neurosurgery 1985 Aug;17(2):379-380.
- * 23. Caron JL, Worthington C, Bertrand G. Tension pneumocephalus after evacuation of chronic subdural hematoma and subsequent treatment with continuous lumbar subarachnoid infusion and craniostomy drainage. Neurosurgery 1985 Jan;16(1):107-110.

Not Specified

1. Jean-Louis Caron, MD, Jeff Atkinson MD(Montreal, Quebec), Jeff Golan (Montreal, Quebec). A Systematic Review of Radiosurgery for Cerebral Metastatic Tumors 2001 Oct

Other

- * 1. International Carotid Stenting Study investigators. Carotid artery stenting compared with endarterectomy in patients with symptomatic carotid stenosis (International Carotid Stenting Study): an interim analysis of a randomised controlled trial Lancet 2010 Feb
- * 2. Molyneux AJ, Kerr RS, Yu LM, Clarke M, Sneade M, Yarnold JA, Sandercock P; International Subarachnoid Aneurysm Trial (ISAT) Collaborative Group. International subarachnoid aneurysm trial (ISAT) of neurosurgical clipping versus endovascular coiling in 2143 patients with ruptured intracranial aneurysms: a randomised comparison of effects on survival, dependency, seizures, rebleeding, subgroups, and Lancet 2005 Sep;366(9488):809-817.
- * 3. Molyneux AJ, Kerr RS, Yu LM, Clarke M, Sneade M, Yarnold JA, Sandercock P; International Subarachnoid Aneurysm Trial (ISAT) Collaborative Group. International subarachnoid aneurysm trial (ISAT) of neurosurgical clipping versus endovascular coiling in 2143 patients with ruptured intracranial aneurysms: a randomised comparison of effects on survival, dependency, seizures, rebleeding, subgroups, and Lancet 2005 Sep;366(9488)

- * 4. Featherstone RL, Brown MM, Coward LJ; ICSS Investigators. International carotid stenting study: protocol for a randomised clinical trial comparing carotid stenting with endarterectomy in symptomatic carotid artery stenosis Cerebrovascular Diseases 2004 Jun;18(1):69-74.
- * 5. Molyneux A, Kerr R, Stratton I, Sandercock P, Clarke M, Shrimpton J, Holman R; International Subarachnoid Aneurysm Trial (ISAT) Collaborative Group. International Subarachnoid Aneurysm Trial (ISAT) of neurosurgical clipping versus endovascular coiling in 2143 patients with ruptured intracranial aneurysms: a randomised trial. Lancet 2002 Oct;360(9342)
- 6. ASA and Carotid Endarterectomy (ACE) Trial Collaborators. Low-dose and high-dose acetylsalicylic acid for patients undergoing carotid endarterectomy: a randomized controlled trial. Lancet 1999;353(9171):2179-2184.
- 7. North American Symptomatic Carotid Endarterectomy Trial Collaborators. Benefit of carotid endarterectomy in patients with symptomatic moderate or severe stenosis. N. Engl J Med 1998;339(20):1415-1425.
- 8. Haley EC Jr, Kassell NF, Apperson-Hansen C, Maile MH, Alves WM. A randomized, double-blind, vehicle-controlled trial of tirilazad mesylate in patients with aneurysmal subarachnoid hemorrhage: a cooperative study in North America Journal of Neurosurgery 1997;86(3):467-474.
- 9. Haley EC Jr, Kassell NF, Alves WM, Weir BK, Hansen CA. Phase II trial of tirilazad in aneurysmal subarachnoid hemorrhage. A report of the Cooperative Aneurysm Study Journal of Neurosurgery 1995;82(5):786-790.
- 10. Cote R, Battista, et al. The Asymptomatic Cervical Bruit Study Group. Lack of effect of aspirin in asymptomatic patients with carotid bruits and substantial carotid narrowing. Ann Intern Med 1995;123(9):649-655.
- 11. North American Symptomatic Carotid Endarterectomy Trial (NASCET) Steering Committee. North American Symptomatic Carotid Endarterectomy Trial: Methods, Patient characteristics, and Progress. Stroke 1991;22:711-720.
- 12. North American Symptomatic Carotid Endarterectomy Trial Collaborators. Beneficial Effect of Carotid Endarterectomy in Symptomatic Patients with High-Grade Stenosis. New England Journal of Medicine 1991;325:445-453.
- 13. North American Symptomatic Carotid Endarterectomy Trial Collaborators. Beneficial effect of carotid endarterectomy in symptomatic patients with high-grade carotid stenosis New England Journal of Medicine 1991;325(7):505-507.

PRESENTATIONS:

- 04/2011 Minimally Invasive Method for Deep Brain Access & Retraction, Conference, Vycor Medical, AANS Convention, Denver, CO (Sole Presenter)
Details: Presented at the AANS Convention on Minimally Invasive Method for Deep Brain Access & Retraction
- 08/2010 Neuroendoscopy, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 08/2010 Update on Surgical Management of Cervical Carotid Atherosclerosis, Neurosciences

Grand Rounds, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)

- 07/2010 Spontaneous Intracerebral Hemorrhages, Montreal University Conference, Neurosurgery, Montreal University Canada, CA (Sole Presenter)
- 12/2009 Interictal high frequency oscillations in temporal lobe epilepsy might predict the location of the seizure onset zone, Annual meeting of the American Epilepsy Society, American Epilepsy Society, Boston, MA (Co-Author)
- 08/2009 Intracerebral Hemorrhage Management Guidelines, Neurosciences Grand Rounds, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)
- 07/2009 Intracerebral Hemorrhage Management Guidelines, Neurosciences Grand Rounds, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)
- 05/2009 Intracerebral Hemorrhage: the forgotten stroke, CNS rounds, Department of Neurosurgery, Universitair Mecisch Centrum, Utrecht, NL (Invited Speaker)
- 08/2008 Brain Stimulation for Parkinson's Disease, Family Medicine Grand Rounds, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)
- 08/2008 Deep Vein Thrombosis Prophylaxis in Neurosurgical Patients, Neurosciences Grand Rounds, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX (Sole Presenter)
- 05/2008 Core Temperature versus Intracerebral Temperature Monitoring In Hypothermia for Neuroprotection, The XVII European Stroke Conference, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, San Antonio, TX , FR (Sole Presenter)
- 05/2008 Increased Cerebral Metabolism in Exercise-Induced Neuroprotection after Stroke, The XVII European Stroke Conference, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, Nice, FR (Sole Presenter)
- 05/2008 Invasive Versus Non-Invasive Monitoring of Brain Tissue Oxygenation, The XVII European Stroke Conference, Department of Neurosurgery, The University of Texas Health Science Center at San Antonio, Nice, FR (Sole Presenter)
- 12/2007 Neurosurgery Grand Rounds: "Surgical Management of Parkinson's Disease and Other Movement Disorders", Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 11/2007 Practice Based Learning Session, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 11/2007 Surgical Revascularization for Stroke, Stroke & Cerebrovascular Diseases: Update Symposium, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Invited Speaker)
- 11/2007 Approches to AVM's: Consensus-session, Stroke & Cerebrovascular Diseases: Update Symposium, Department of Neurosurgery, UTHSCSA, San Antonio, TX

(Invited Speaker)

- 08/2007 CNS Imaging with Emphasis on Cerebral and C-Spine Injury, CORE Lecture Series in Trauma-UTHSCSA Dept of Surgery, CNS CORE, Wilford Hall Medical Center, San Antonio, TX (Invited Speaker)
- 06/2007 Interactive Neurotrauma Management, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 06/2007 "Surgical Approach to Anterior Midline", Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 03/2007 Socioeconomic- Practice-Based Learning Case, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 02/2007 Reflections on The Treatment of Thoracolumbar Spine Fractures, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 10/2006 Introduction to The Molecular Biology of The Neuron, Neurosciences Grand Rounds, The Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 10/2006 Cerebrovascular Update, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 08/2006 Problem Based Learning: NeuroQuiz, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 05/2006 50 years of Carotid Surgery: Controversies in the Surgical Treatment of Extracranial Carotid Stenosis, Annual Scientific Meeting, Texas Association of Neurological Surgeons, Houston, TX (Invited Speaker)
- 02/2006 Coma and Brain Death, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 01/2006 Physical Examination II: Cranial Nerves, Neurosciences Grand Rounds, Department of Neurosurgery, UTHSCSA, San Antonio, TX (Sole Presenter)
- 08/2005 A surgeon's perspective in the management of certain neurovascular disorders, Medical Grand Rounds, University of Texas Health Science Center at San Antonio, San Antonio, TX (Invited Speaker)
- 06/2005 Progression of Cerebral Contusions, 39th Meeting of the Canadian Congress of Neurological Sciences, CCNS, Ottawa, CB (Sole Presenter)
Details: Plenary Session
- 03/2005 Management of Intracerebral Hemorrhage, Neurology Grand Rounds, University of Texas Health Science Center at San Antonio, San Antonio, TX (Invited Speaker)
- 10/2004 Carotid Surgery turns 50, Neurology Grand Rounds, University of Texas Health Science Center at San Antonio, San Antonio, TX (Invited Speaker)
- 01/2003 Treatment of ruptured cerebral aneurysms - Results of the ISAT study, Annual Scientific Meeting of the Canadian Stroke Consortium, Toronto, Ontario, CA (Invited

Speaker)

- 01/2003 Recent data on the Natural History of Cerebral Aneurysms - Neurovascular Symposium, Canadian Congress of Neurological Sciences, Canadian Congress of Neurological Sciences, Quebec, CA (Invited Speaker)
- 01/2002 Evolving trends in neurovascular surgery, Visiting Professor lecture series - CNS rounds, Winnipeg Health Sciences Center, Winnipeg, Manitoba, CA (Invited Speaker)
- 01/2002 Natural history of cerebral aneurysms, 4th Canadian Interventional Neuroradiology Symposium, Montreal, Quebec, CA (Invited Speaker)
- 01/2001 Update on the role of the DREZ operation for the treatment of deafferentation pain syndromes., McGill University Pain Center Lecture Series, McGill University Pain Center, Montreal, Quebec, CA (Invited Speaker)
- 01/2001 Indications et resultats de la chirurgie carotidienne., Journees Francophones d'Imagerie Cardio-vasculaire Diagnostique et Therapeutique, Journees Francophones d'Imagerie Cardio-vasculaire Diagnostique et Therapeutique, Montreal, Quebec, CA (Invited Speaker)
- 10/2000 Mise a jour Neurovasculaire - Indications de l'endarterectomie carotidienne, Congres des Sciences Neurologiques du Quebec, Association des Neurochirurgiens du Quebec, Montreal, Quebec, CA (Invited Speaker)
- 03/2000 Le Role de l'endarterectomie carotidienne dans la prevention secondaire des AVC, Symposium Neurovasculaire 2000, Pointe-aux-Pics, Quebec, CA (Invited Speaker)
- 05/1998 Le Trauma cralien: evaluation et traitement., Activities d'education medicale, Association des medecins d'Urgence Sante du Quebec, Montreal, Quebec, CA (Invited Speaker)
- 11/1997 La douleur chronique: Elements anatomophysiologiques et leurs influences sur le comportement humain, Reunion annuelle medico-administrative, Societe de l'Assurance Automobile de Quebec (SAAQ), Palais des Congres de Montreal, Quebec, CA (Invited Speaker)
- 10/1996 Subarachnoid hemorrhage: evaluation and management., Canadian Association of Neuroscience Nurses - Annual Meeting - Quebec Chapter, Montreal, Quebec, CA (Invited Speaker)
- 06/1996 Neurosurgery Debate: To clip or coil? - treatment of intracranial aneurysms., 35th Canadian Congress of Neurological Sciences, Edmonton, Alberta, CA (Invited Speaker)
- 05/1995 Neurology Update 1995, McGill-MGH Postgraduate board and the Department of Neurology, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 01/1995 Symposium on lumbar spine disorders and the work place, MGH Postgraduate board, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 12/1994 Montreal General Emergency Therapeutics Course, McGill-MGH Postgraduate board and the Department of Surgery, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)

- 11/1994 Old and new approaches to management of subarachnoid hemorrhages and their associated complications, Association des urgentologues, Hopital du Sacre-Coeur, Montreal, Quebec, CA (Invited Speaker)
- 10/1994 Hemorrhagies sous-arachnoidienne: De l'erythrocyte au vasospasme, Congres annuel des Sciences Neurologiques du Quebec, Association des Neurochirurgiens du Quebec, Vaudreuil, Quebec, CA (Keynote Speaker)
- 11/1993 Role of stereotactic radiosurgery for metastatic cerebral tumors, McGill Neuro-Oncology Day, McGill University, Montreal, Quebec, CA (Invited Speaker)
- 05/1993 Neurology for the family physician, McGill-MGH Postgraduate board and the Department of Neurology, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 02/1993 Concepts and management of CNS tumors, Medical Grand Rounds, Montreal, Quebec, CA (Invited Speaker)
- 12/1992 A technique for fractionated stereotactic radiosurgery, McGill University's Division of Neurosurgery Scientific Day, McGill University, Montreal, Quebec, CA (Invited Speaker)
- 12/1992 Montreal General Emergency Therapeutics Course, McGill University's Annual Update in Emergency Medicine, McGill-MGH Postgraduate board and the Department of Surgery, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 08/1992 Diagnosis and treatment of subarachnoid hemorrhage and ruptured cerebral aneurysms., Neurosurgery resident's seminars, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 06/1992 Radiosurgery for intracranial tumors, 29th Meeting of the Canadian Congress of Neurological Sciences Symposium on Radiosurgery and Interventional Neuroradiology, St. John's, CA (Invited Speaker)
- 04/1992 Cervical spine and spinal cord injuries: A basic understanding for the non-neurologist., Maxillo-Facial Surgery Interhospital Rounds, McGill School of Dentistry, McGill University, Montreal, Quebec, CA (Invited Speaker)
- 01/1992 First results in symptomatic patients with high grade stenosis, North American Symptomatic Carotid Endarterectomy Trial (NASCET), McGill University's Division of Neursurgery Scientific Day, McGill University, Montreal, Quebec, CA (Invited Speaker)
- 01/1992 Surgical treatment of anterior circulating aneurysms, Neurosurgery resident's seminars, Montreal Neurological Hospital, Montreal, Quebec, CA (Invited Speaker)
- 11/1991 Therapeutic decisions in teh management of subarachnoid hemorrhage, Neurosurgery resident's seminars, Montreal Neurological Hospital, Montreal, Quebec, CA (Invited Speaker)
- 05/1991 Management of vertebral and spinal epidural metastatic disease, McGill Interdisciplinary Oncology Conference, Montreal, Quebec, CA (Invited Speaker)

- 12/1990 Montreal General Emergency Therapeutics Course, McGill University's Annual Update in Emergency Medicine, McGill-MGH Postgraduate board and the Department of Surgery, Montreal General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 01/1990 New approaches in the surgical management of cerebral aneurysms and cerebrovascular diseases, New Frontiers in Neuroscience Symposium, Sir Mortimer Jewish General Hospital, Montreal, Quebec, CA (Invited Speaker)
- 09/1989 Controverses et realities dans le traitement des maladies cerebrovasculaires., Trimestrial Interdisciplinary Lecture Series, Departement des Sciences Neurologiques, Hopital du Sacre-Coeur, Montreal, Quebec, CA (Invited Speaker)
- 06/1989 Traitement de la maladie vasculaire cerebrale., Reunion scientifique, Departement de Medecine, Hopital du Sacre-Coeur, Montreal, Quebec, CA (Invited Speaker)
- 05/1989 Automated Percutaneous Lumbar Discectomy: The Canadian Experience, International Symposium on the State of the Art Percutaneous Lumbar Discectomy, Marbella, SP (Invited Speaker)

RESEARCH GRANTS:

Project #:

Funding Agency: Stroke Association (UK), Sanofi-Synthelabo and the European Union.

Title: International Carotid Stenting Study (ICSS)

Status: Complete

Period: 01/2002 - 06/2006

Role: Co-Principal Investigator

% Effort:

Total Costs:

Grant Detail: To compare the risks and benefits of primary carotid stenting with those of conventional carotid endarterectomy in patients at high risk for stroke.

Project #:

Funding Agency:

Title: Fusing MR-angiographic imaging with 3-D reconstruction for applications in radiosurgery.

Status: Complete

Period: 01/2002 - 12/2002

Role: Contributor

% Effort:

Total Costs:

Grant Detail: Yanick Bercier, Ph.D. thesis project in Medical Physics.

Project #:

Funding Agency:

Title: Diffusion of inhaled NO in the CSF of a porcine model.

Status: Complete

Period: 01/2002 - 12/2002

Role: Principal Investigator

% Effort:

Total Costs:

Grant Detail: Pilot study in preparation of a porcine model of cerebral vasospasm following subarachnoid hemorrhage.

Project #:

Funding Agency: PhD project in Epidemiology, Universite de Montreal, Dr. P.

Bourgouin

Title: Comparative study of the various investigative methods for carotid stenosis: Duplex ultrasound, MR-Angiography, CT-Angiography

Status: Complete

Period: 01/1995 - 12/1995

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Project #: P2700/0007

Funding Agency: The Upjohn Company of Canada

Title: Phase III - Tirilazad Mesylate in subarachnoid hemorrhage trial

Status: Complete

Period: 01/1992 - 01/1994

Role: Principal Investigator

% Effort:

Total Costs:

Grant Detail:

Project #: #ET-9102

Funding Agency: McGill Clinical Oncology Group Trial

Title: Phase II Study - Stereotactic radiosurgery followed by hyper-fractionated radiotherapy for grade IV astrocytoma.

Status: Complete

Period: 01/1992 - 01/1993

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Federal

Project #:

Funding Agency: NIH/NINDS

Title: CLEAR IVH (Evaluating Accelerated Resolution of Intraventricular Hemorrhage, rt-PA (Cathflo®) Treatment of Brain Hemorrhage) III

Status: Active

Period: 11/2009 - Present

Role: Principal Investigator

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: National Institutes of Health/NINDS

Title: MISTIE Minimally Invasive Surgery plus rt-PA for ICH Evacuation

Status: Pending

Period: 03/2007 - Present

Role: Principal Investigator

% Effort:

Total Costs:

Grant Detail: This study is designed to investigate the safety of minimally invasive surgery plus aspiration followed by the administration of a low dose of recombinant tissue plasminogen activator (rt-PA; Activase, Genentech, Inc., San Francisco, CA) to intracerebral hemorrhage patients (ICH) via a catheter inserted directly into the clot.

Project #:

Funding Agency: NIH/NINDS

Title: CLEAR IVH (Evaluating Accelerated Resolution of Intraventricular

Hemorrhage, rt-PA (Cathflo®) Treatment of Brain Hemorrhage) II

Status: Active

Period: 06/2004 - 06/2007

Role: Principal Investigator

% Effort:

Total Costs:

Grant Detail: Phase 1: to determine the efficacy and pharmacokinetics of intraventricular injections of multiple low doses of rt-PA. The results of Phase 1 will then be analyzed and the most effective dose will be used in the Phase 2 to determine the optimal frequency of dosing.

Phase 2 - to determine the lowest dose possible with the best pharmacokinetic and safety profile and its ability to remove blood clot from the ventricular system.

Project #: R01NS42167;R01NS

Funding Agency: NIH/NINDS

Title: COSS Trial (Carotid Occlusion Surgery Study)

Status: Active

Period: 06/2002 - 04/2008

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail: To determine whether surgical anastomosis of the superficial temporal artery to the middle cerebral artery (STA-MCA) in conjunction with the best medical therapy can reduce the incidence of ipsilateral ischemic stroke by at least 40% in patients with symptomatic internal carotid artery (ICA) occlusion.

Project #:

Funding Agency: Canadian Institutes of Health Research (CIHR)

Title: Etude genetique sur les aneurismes cerebraux.

Status: Complete

Period: 01/2001 - 01/2003

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: Canadian Health Research Committee

Title: Sevoflurane provides faster recovery and postoperative neurological assessment than isofurane in long-duration neurosurgical cases

Status: Complete

Period: 01/2001 - 12/2001

Role: Contributor

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: Oxford University et le Medical Research Council (MRC), United Kingdom

Title: International Subarachnoid Aneurysm Trial (ISAT)

Status: Complete

Period: 01/1998 - 02/2003

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: National Institute of Health

Title: Phase III multicenter randomized clinical trial: Stroke prevention with low dose vs. high dose Aspirin following carotid endarterectomy (ACE study).

Status: Complete

Period: 01/1994 - 12/1998

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: FRSQ

Title: The Asymptomatic Cervical Bruit Study Group

Status: Complete

Period: 01/1990 - 12/1995

Role: Consultant

% Effort:

Total Costs:

Grant Detail:

Project #: R01-NS-24456

Funding Agency: National Institute of Health

Title: North American Symptomatic Carotid Endarterectomy Trial (NASCET)

Status: Complete

Period: 01/1987 - 01/1998

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Private

Project #: ISRCTN# NCT00127

Funding Agency: Novonordisk

Title: FAST (Recombinant Factor VIIa in Acute Intracerebral Haemorrhage)

Status: Complete

Period: 06/2005 - 12/2006

Role: Principal Investigator

% Effort: 2

Total Costs:

Grant Detail: To determine if the treatment of Recombinant Factor VIIa in patients with acute intracerebral bleeding will help more patients recover without severe permanent disability by reducing further intracerebral bleeding.

Project #:

Funding Agency: Medtronic International

Title: Technology evaluation: Multinational evaluation of a carotid stent with distal protective device in inoperable carotid stenosis - Medtronic (MAVERIC study).

Status: Complete

Period: 02/2002 - 02/2002

Role: Co-Investigator

% Effort:

Total Costs:

Grant Detail:

Project #:

Funding Agency: Clinical Research (RTOG)

Title: Phase III Multicenter randomized trial - Surgery plus whole brain radiotherapy versus surgery alone for the treatment of solitary metastatic brain tumors.

Status: Complete

Period: 01/1995 - 12/1995

Role: Co-Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: M2700/0063
Funding Agency: The Upjohn Company of Canada
Title: Phase III trial - Tirilazad Mesylate in subarachnoid hemorrhage in women.
Status: Complete
Period: 01/1995 - 12/1995
Role: Principal Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: M2700/0064
Funding Agency: The Upjohn Company of Canada
Title: Phase III trial - Tirilazad Mesylate in subarachnoid hemorrhage in men.
Status: Complete
Period: 01/1995 - 12/1995
Role: Principal Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: P2700/0017
Funding Agency: The Upjohn Company of Canada
Title: Study Phase III - Tirilazad Mesylate in head injury trial (HITT).
Status: Complete
Period: 01/1993 - 01/1996
Role: Principal Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: #9005
Funding Agency: Clinical research - Radiotherapy oncology group (RTOG) - trial #9005
Title: Phase I/II Study - Dose escalation trial for treatment of recurrent solitary metastatic and primary cerebral tumors by stereotactic radiosurgery.
Status: Complete
Period: 01/1993 - 12/1993
Role: Co-Investigator **% Effort:**
Total Costs:
Grant Detail:

Project #: P2700/0007
Funding Agency: The Upjohn Company of Canada
Title: Phase II - Tirilazad Mesylate in subarachnoid hemorrhage trial.
Status: Complete
Period: 01/1990 - 12/1992
Role: Principal Investigator **% Effort:**
Total Costs:
Grant Detail:

SERVICE

ADMINISTRATIVE RESPONSIBILITIES:

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
06/2006-Present		Deputy Chair Department of Neurosurgery	Deputy Chair

Responsible for Departmental affairs in the absence of Chairperson. Assist Chairperson in key decision regarding actual and future planning of the department. Active role in recruitment of clinical faculty and support personnel.

PATIENT CARE:

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
04/2006-Present	Inpatient	Patient Care - Baptist Healthcare System	Attending Physician

As a neurosurgeon I am responsible for providing care to the Baptist Healthcare System primary stroke network. Along with other members of the department of Neurosurgery I provide 1/3 neurosurgical care call coverage for all hemorrhagic strokes as well as all other neurosurgical emergencies. I also provide elective neurosurgical care to Baptist Healthcare System patients.

05/2004-Present	Inpatient	Patient Care - University Health System	Attending Physician
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This major clinical commitment provides operative and non-operative care for both elective and urgent neurosurgical patients. It includes 1/4 emergency call coverage for acute neurosurgery and the Level 1 Trauma Center.

SERVICE TO THE INSTITUTION:

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
06/2008-Present	Department	Department of Neurosurgery's Professional Development	Vice Chair

In this role I mentor junior colleague with career plans and establish time lines for university promotion. I advise and assist with the assembly of the tenure and promotion packet that will be submitted to the Department Chair for approval.

06/2008-Present	Department	Director of clinical research for the Department of Neurosurgery	Director
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My role in this function is to supervise all clinical research activity, assuring that IRB regulations are followed, that the projects have sound scientific value. I will make sure that the protocols are critically reviewed, that the all regulatory documentation is complete and take the project through the internal review process for approval.

05/2008-Present	Department	XVII. European Stroke Conference	Delegate
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06/2006-Present	Department	Tenure and Promotion Committee	Chair
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The role of this committee is to review and approve the application packets being submitted for academic promotion to the Department Chair.

06/2004-Present	Department	Mid-Level Healthcare Provider Supervision	Supervisor
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I am responsible for the supervision of 2 nurse-practioners and 3 physician assistants.

Their responsibilities vary between daily acute care of in-hospital patients. Assistance in the operating rooms and critical care units and taking first call in our primary stroke unit.

SERVICE TO THE PROFESSION:

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
04/2007-Present	International	FAST Trial Results Meeting for NOVO Nordisk	Panel Member
05/2006-Present	National	AANS Membership Committee <i>Triestrial review of new AANS membership applications and yearly meeting of the committee.</i>	Member
01/2006-Present	State	Texas Association of Neurological Surgeons <i>I have served on the nominating committee for 2 years and chaired it for 1 year. I now serve as Director at large and my commitment is for 3 years. The Texas Association of Neurological Surgeons board meets three times per year. It represents the interest of Texas neurosurgeons at a local, state and national levels for the promotion of the profession. It serves as a liaison with Texas Medical Association, the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. It has a voice on the Council of State Neurosurgical Society (CSNS). It also organizes the AMA accredited annual scientific meeting.</i>	Board Member
01/2006-Present	National	American College of Surgeons, South Texas Chapter <i>Councilor, American College of Surgeons, South Texas Chapter</i>	Board Member
10/2005-Present	International	rFVIIa for spontaneous and traumatic intracranial hemorrhage <i>Advisory panel with national experts in neurology, neurosurgery, and pharmacology to guide Novonordisk on the future uses and clinical studies of rFVIIa in acute intracranial hemorrhage.</i>	Consultant
09/2004-Present	National	Use of Gliadel (BCNU impregnated wafers) for treatment of central nervous system tumors <i>Member of clinical advisory board on the use of a novel drug regiment for CNS tumors</i>	Consultant
06/2003-06/2005	National	Canadian Neurosurgical Society	Board Member
06/2003-04/2004	National	Neurosurgery specialty committee- Royal College of Physicians and Surgeons of Canada	Committee Member
01/2001-04/2004	State	Council of Professional Development Federation des Medecins Specialistes du Quebec	Council Member
01/2001-04/2004	State	CME committee Federation des Medecins Specialistes du Quebec	Committee Member

01/2001-12/2003	State	Continuing Medical Education Committee Association des Neurochirurgiens du Quebec	Chair
06/1999-06/2003	National	Annual symposium and hands-on-course on advances in spinal surgery <i>Annual satellite symposium on spinal surgical procedure held at the annual meeting of the Canadian Congress of Neurological Sciences</i>	Teacher
01/1997-12/1997	National	Canadian Journal of Neurological Sciences	External Reviewer
09/1996-Present		Hands-on-course on spinal instrumentation <i>2 day course for neurosurgery consultants and residents on advanced complex techniques of spinal internal fixation.</i>	Course Director
06/1996-06/1997	National	Royal College of Surgeons Neurosurgery Examination Board	Vice-President
09/1995-09/2003	State	Association des Neurochirurgiens du Quebec	Vice-President
04/1995-04/1995	National	Pain management in general practice <i>McGill University-MGH Postgraduate board and the Montreal General Hospital Pain Center, Montréal, Québec</i>	Course Director
01/1995-Present	National	Canadian Medical Protective Association	Consultant
10/1993-10/1996	State	Certificat de Spécialiste en Neurochirurgie - Corporation Professionnelle des Médecins du Québec	Vice-President
01/1993-06/1996	National	Examination committee in Neurosurgery of the Royal College of Physicians and Surgeons of Canada <i>Examiner, Neurosurgery Board Exams, Royal College of Physicians and Surgeons of Canada</i>	Examiner
01/1987-06/1987	National	Canadian Journal of Surgery	External Reviewer
/ -Present	National	Canadian Task Force for Determination of Brain Death Criteria <i>Special invitation to participate in a multidisciplinary task force to develop guidelines for the determination of brain death. The have subsequently been published and they guide practice across disciplines.</i>	Advisory Board Member

SERVICE TO THE PUBLIC:

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
01/1987-12/2001		Superior Court of Québec	Consultant

GRANT REVIEWS:

<u>Dates</u>	<u>Granting Agency</u>	<u>Panel Name</u>	<u>Role</u>
06/2003-06/2003		Canadian Foundation on Innovation Expert Committee #150	Internal Reviewer

PROFESSIONAL AFFILIATIONS:

<u>Dates</u>	<u>Organization</u>
11/2008-12/2018	The American Board of Neurological Surgery
05/2008-Present	South Texas Chapter American College of Surgeons
10/2005-Present	Texas Association of Neurological Surgeons
<i>Additional Details: Board Member</i>	
01/2005-Present	American Association of Neurological Surgeons
01/2005-Present	The Society of Neurological Surgeons
06/2004-Present	Bexar County Medical Society
01/2004-Present	American College of Surgeons
<i>Additional Details: Board member of the South Texas Chapter</i>	
01/2002-Present	Congress of Neurological Surgeons
01/1987-12/2006	Canadian Stroke Consortium
<i>Additional Details: Would still be a member but bylaws stipulate that Members must reside and practice in Canada</i>	
01/1987-Present	Canadian Heart and Stroke Foundation
01/1987-Present	American Heart and Stroke Association
<i>Additional Details: Silver Membership</i>	
01/1987-Present	Canadian Neurosurgical Society
<i>Additional Details: Board Member from 1999-2004</i>	
01/1987-Present	Association des Neurochirurgiens du Quebec
<i>Additional Details: Vice-President 1998-2003</i>	
10/1985-Present	Royal College of Physicians and Surgeons of Canada
<i>Additional Details: Fellow</i>	
01/1985-Present	Canadian Congress of Neurological Sciences

COMMITTEES (UTHSCSA Standing Committees):

DEPARTMENT

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
04/2006-Present	Faculty Promotions, Tenure and Appointments	Chair
<i>As senior member and professor in the department of Neurosurgery my role is to advise/mentor junior faculty members in preparing their portfolios in view of promotion and tenure track application. The chair of the committee then makes recommendation regarding promotion to the Chair of the Department</i>		

SCHOOL

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
10/2005-10/2008	Clinical Promotions Committee	Member
<i>This was a 3 year term. Members attend monthly meeting reviewing curriculum and performance of students with academic difficulties.</i>		
08/2005-08/2010	Admissions Committee	Member
<i>As member, between the months of August and December, I commit 3 to 4 hours per week interviewing college students applicants to medical school. It requires review of pertinent biographical data followed by a 30 minute interview and writing a full report to the committee chair for each interviewed applicant.</i>		

COMMITTEES (OTHER):

DEPARTMENT

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
05/2004-10/2007	Residency Training Program, University of Texas Health Science Center at San Antonio, Neurosurgery	Associate Director
<i>Associate Director, Residency Training Program - Department of Neurosurgery The training program was suspended in 2003. My major achievement was to prepare the program information form (PIF). This 3 month effort required more than a 20 hour per week commitment and was rewarded by the approval of UTHSCSA and the American Board of Neurological Surgery to re-establish the Neurosurgery Training Program. Over the last 6 years of my tenure at UTHSCSA, we have we been awarded a 5 year full accreditation by the residency review committee of ACGME and have recently been approved to train and graduate 2 residents per year. Other duties included implementing the ACGME outcome project competencies into the teaching curriculum and preparing substantive evaluations of trainees performance and reporting to the program director.</i>		
09/1999-05/2004	Comite du programme d'entrainement en Neurochirurgie, Universite de Montreal, Medicine, Neurochirurgie	Member
<i>This involved trimestrial evaluations of neurosurgery trainees with multidisciplinary meetings and 360 evaluations. Report were elaborated for resident feed back and report to the program director.</i>		

HOSPITAL

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
02/2010-Present	UHS Medical Records Committee, University Health System	Member

Committee meets every fourth Friday of the month.

02/2010-Present	University Health System Professional Credentials Committee, UHS	Member
01/1998-12/1999	Patient Advisory Committee on Critical Care, McGill University	Member
01/1987-12/1999	Residency Training Committee, McGill University	Member

SCHOOL

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
09/2007-Present	UTHSCSA Clinical Research Internal Review Board, The University of Texas Health Science Center at San Antonio, Medicine/Dentistry	Member
<p><i>The Internal Review Board is one of my most important commitment's at UTHSCSA. Members are appointed by UTHSCSA President. The IRB-3 meets every six weeks. It has the most important responsibility of reviewing all clinical research protocols/annual reviews and amendments for their sound ethical and scientific rigor and is responsible for oversight of all clinical research being performed at UTHSCA and affiliated institutions.</i></p>		
01/2003-05/2004	Comite pedagogique du department de chirurgie, Universite de Montreal, Medicine	Member
<p><i>As Neurosurgery residency program director, I was on the committee responsible for curriculum development of first year surgery residents.</i></p>		
01/2003-12/2003	Comite de nomination et de promotion du department de chirurgie, University of Montreal, Medicine	Member
<p><i>This was a 1 year term as Residency program Director. It is the equivalent of the Tenure and Promotion Committee at UTHSCSA. It requires quarterly meetings with major implications to the University's Medical school's professional accreditations.</i></p>		
01/2001-04/2004	Universite de Montreal Neurosurgery Residency Program, University of Montreal, Medicine	Director
<p><i>This was my most important academic appointment at the Universite de Montreal. As Program Director of the Neurosurgery Residency I was responsible for all academic affairs for the neurosurgery training program. This included coordinating all rotations, lectures and evaluations. Administrative responsibilities included attending and chairing regular meetings at departmental, university and national credentialing boards (Royal College of Surgeons of Canada and College des Medecins du Quebec).</i></p>		
09/1999-05/2004	Comite d'entrainement du tronc commun en chirurgie, University of Montreal, Medicine	Member
<p><i>Committee involved in evaluation and promotion of first year residents in the their pre-residency year. Two full day meetings per year.</i></p>		
09/1999-05/2004	Comite de selection et d'evaluation du programme d'entrainement en Neurochirurgie de l'Universite de Montreal, Universite de Montreal, Medicine, Neurochirurgie	Member
<p><i>This involved major commitment to the review of all applicants to the U de Montreal training program in Neurosurgery. Members of this committee were also required to attend the meetings regarding admissions to the common pre-residency internship in surgery.</i></p>		

UNIVERSITY

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
02/2010-Present	UTHSCSA Professional Credentials Committee, UTHSCSA	Member
<i>This committee is responsible for reviewing the credentials of applicants for faculty positions at UTHSCSA. In addition the committee also reviews the credential and approves the appointments at University Hospital Health System. The committee meets once per month.</i>		
01/2007-Present	Faculty Development Advisory Committee, University of Texas Health Science Center at San Antonio, Medicine	Member
<i>As Chair of the promotion and tenure committee I represent department of Neurosurgery on the is committee chaired by Dr. P. Delgado. The aim of this committee is to oversee the fair process for promotion and tenure in each UTHSCA department. The committee meets for 1 hour the first Monday of every month.</i>		