

CURRICULUM VITAE

Bruce Ian Tranmer, M.D., F.R.C.S. (C), F.A.C.S.

PERSONAL DATA

Born March 15, 1954, Cobourg, Ontario, Canada

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Citizenship: Dual Canadian/American

CURRENT POSITION

1999 – Present	Professor and Chairman, Division of Neurosurgery
1999 – Present	Program Director – Neurosurgery Residency Program
2005 – Present	Cordell E. Gross M.D. Green and Gold Professor of Neurosurgery University of Vermont/Fletcher Allen Health Care

DEGREES

1997	Fellow – American College of Surgeons (FACS)
1990	Board Certification – American Board of Neurological Surgeons
1986	FRCSC (Neurosurgery) Royal College of Physicians and Surgeons of Canada
1979	MD Queens University, Ontario, Canada

EDUCATION

1973 – 75	Queen's University, Kingston, Ontario, Canada Major: Life Sciences (Pre-Med)
1975 – 79	Queen's University School of Medicine
1979 – 81	General Surgical Resident, Kingston General Hospital, Kingston, Ontario, Canada
1981 – 86	Neurosurgical Residency Training University of Toronto, Toronto, Ontario, Canada Chairman: Professor Alan Hudson

Special CME Courses

11/81 – Lougheed Microsurgical Course-Toronto Western Hospital
03/92 – AANS Course – Base of Skull Surgery, St. Louis, MO
05/93 – CCNS Course – Spinal Instrumentation, Toronto, Ontario
08/95 – Midas Rex Course, Worcester, MA

01/96 – Thoracoscopic Spinal Surgery, Phoenix, AZ
 03/96 – Young Surgical Investigators’ Conference (NIH), Chantilly, VA
 05/96 – Neuro Navigation Course – Stealth System, Memphis, TN
 06/96 – Cervical Spine Instrumentation, Memphis, TN
 11/96 – Micro Endoscopic Discectomy, Memphis, TN
 06/99 – Spine Instrumentation, Bethesda, MD
 10/99 – Surgery for Acoustic Neuroma (CNS), Boston, MA
 10/01 – Leadership Development for Physicians in Academic Health
 Center, Harvard School of Public Health, Boston, MA
 02/10 - Endonasal (Endoscopic) and Keyhole Surgery Course, West Palm,
 FL
 10/10 – Prodisc Cervical Anthroplasty Course – Stryker, Burlington, VT

NEUROSURGICAL RESEARCH FELLOWSHIPS

07/84 – 06/85 Neurosurgical Research Fellow, University of Colorado,
 Denver, CO
 Supervisor: Dr. Glenn W. Kindt
 Research projects involved monitoring cerebral data in ischemic
 brain in the primate and canine stroke models.

07/87 – 01/88 McLaughlin Fellow in Medicine (7/1/87 – 12/31/87)
 Klinikum Grosshadern, University of Munich
 Supervisor: Professor A. Baethmann

1/1/88 – 3/1/88 University of Zurich
 Three month Clinical experience with Professor M.G. Yasargil
 Supervisor: Professor M.G. Yasargil

10/91 – 12/91 Sugita Fellowship
 Cerebrovascular experience with Professor Kenichiro Sugita
 Nagoya University, Japan

NEUROSURGICAL SABBATICAL

01/97 Peripheral Nerve Surgery
 LSU, New Orleans, LA (Dr. David Kline)

POSTGRADUATE EXAMINATIONS

1979 Licentiate of Medical Council of Canada (L.M.C.C.)
 1981 Royal College of Surgeons of Canada: Principles of Surgery Examination
 1984 America Board of Neurological Surgery: Primary Examination
 1985 National Board Medical Examinations (America)
 1986 Fellowship of the Royal College of Surgery of Canada:
 Examination in Neurosurgery, F.R.C.S. (C)
 1990 Diplomat of the American Board of Neurological Surgery

LICENSURE

Province of Ontario, 1981, No. 32243 – Non-Active
State of Colorado, 1985 No. 27151 – Non-Active
Province of Alberta, 1988, No. 9550 – Non-Active
State of New York, 1995, No. 201477
State of Vermont, 1999, No. 42-0009967

AWARDS AND DISTINCTIONS

1973 Port Hope High School, Port Hope, Ontario, Canada
Valedictorian – Grade 13

1973 Queen’s University : Entrance Scholarship – Life Sciences
First year – Proficiency Prize – Chemistry
Second Year – General Proficiency Prize
Second Year - Proficiency Prize – Chemistry

1974 Queen’s University School of Medicine:
E. Forrester Entrance Scholarship
Waddington Scholarship
Pathology Prize

1987 McLaughlin Fellow in Medicine (1987) (\$22,000)

1988 Alberta Heritage Research Foundation (1988)
(\$135,000 over three years)

1988 Medical Research Council (1988)
(\$145,000 over three years)
Co-Investigator with Dr. Roland Auer

1991 Sugita Fellowship, Nagoya University, Japan

1995 National Institute of Health
Co-Investigator with Dr. Harold Kimelberg
Role of Astrocytes in Cerebral Ischemia

1999 Strathmore’s Who’s Who

2000-Present Marquis Who’s Who in Medicine and Healthcare

2001 John Davis Service Award – Department of Surgery, University of Vermont

2002 James Desmeules Surgical Research Award – Department of Surgery, University of Vermont

2003 Gordon Page Surgical Clinician Award – Department of Surgery, University of Vermont

2004-Present Cordell Gross M.D. Green and Gold Professor of Neurosurgery, University of Vermont

ACADEMIC APPOINTMENTS

12/99-Present Professor and Chairman (Tenured – 2000)
Division of Neurosurgery
University of Vermont/Fletcher Allen Health Care

Responsibilities:

- (1) Chairman the Division of Neurosurgery
- (2) Program Director, Neurosurgery Residency Program
- (3) Attending Neurosurgeon, Fletcher Allen Health Care
- (4) Director of Cerebrovascular Research Laboratory

11/97 – 12/99	Professor, Neurosurgery, Division of Neurosurgery, Albany Medical College
11/96 – 12/99	Chief, Division of Neurosurgery, Albany Medical College
04/95 – 11/96	Associate Professor, Neurosurgery, Albany Medical College
03/92 – 03/95	Associate Professor, Department of Clinical Neuroscience and Surgery University of Calgary
04/88 – 02/92	Assistant Professor, Department of Clinical Neuroscience and Surgery University of Calgary
03/86 – 06/87	Assistant Professor, Division of Neurosurgery, University of Colorado

Areas of Clinical Interest:

- A. Cerebrovascular surgery (in conjunction with my cerebrovascular research).
- B. Peripheral nerve surgery
- C. Spinal Neurosurgery

EDUCATIONAL ACTIVITIES

Graduate and Post-Graduate Teaching:

1988 – present	Director of Cerebrovascular Research Laboratory Supervision of Neurosurgical Research Fellow
	Dr. Allan Belzberg – Calgary - 1989-1990
	Dr. Mark Hamilton – Calgary - 1990-1991
	Dr. Masafumi Ohtaki- Sapporo - 1990-1992
	Dr. Yasu Kurakawa – Sapporo - 1993- 1994
	Dr. Yukio Seki – Nagoya - 1996-1997
	Dr. Alan Boulos – Albany - 1996-1997
	Dr. Koji Osuka – Nagoya - 1998 – 2000
	Dr. Allen Fergus – Albany - 1999 – 2000
	Dr. David Nathan – Burlington, VT – 2000-2001
	Dr. Masanori Ishiguro – Sapporo, Japan - 2001-2005
	Drs. Ryan Jewell and Erica Bisson – Burlington, VT 2001-2002
	Dr. Michael Walsh – Burlington, VT 2003-2004
	Dr. Timothy Link – Burlington, VT 2004-2005
	Dr. Jimmy Ghostine – Burlington, VT 2006-2007
	Dr. Travis Dumont – Burlington, VT 2007-2008
	Dr. Anand Rughani – Burlington, VT 2007-2008

Dr. Beth Gibbons – Burlington, VT 2008-2009
Dr. Richard Murray – Burlington, VT 2009-2010
Dr. David Stockwell – Burlington, VT 2010-2011
Dr. Andrew Tsen – Burlington, VT 2011-2012

Continuing Medical Education (Lectures Presented):

10/86 Management of Acute Head Injuries
Colorado Teleconferencing Network
09/90 Management of Head Injuries
Emergency Medicine Update Fort Macleod
01/91 Subarachnoid Hemorrhage
CME Teleconference, University of Calgary
04/92 CME Stroke Update
Red Deer, Alberta
01/91-03/95 Consultant for Neurosurgical Problems
Medical Information Service
03/92 Acute Treatment in Stroke – Neuroscience Workshop, Calgary, Alberta
05/92 Update on SAH – CME for GP’s, Innisfail, Alberta
10/92 Reperfusion Injury, Current Advances in Critical Care, Calgary, Alberta
11/93 CME Stroke Update – Alberta Teleconference
06/94 Diagnosis and Treatment of SAH CME -- Family Medicine
Spruce Meadows
06/94 Stroke and HSFA -- Stroke Campaign, Calgary, Alberta
06/94 Treatment of Stroke – Family Medicine Rounds, Calgary, Alberta
05/96 Cerebrovascular Update -- Neurosurgery Teaching Day, Albany, NY
05/96 Life Star Trauma Update – Head Injury, Albany, NY
11/99 American Heart Association – Stroke Conference, Albany, NY
10/00 Head Injury – CME UVM – Ticonderoga, NY
11/00 Thrombolytic Therapy – CME UVM – Malone, NY
03/01 Update in Neurosurgery – Gifford Hospital, VT
10/01 Neurosurgical Emergencies – Gifford Hospital, VT
09/05 Update in Neurosurgery – Adirondack Medical Center, Saranac Lake, NY

Courses Instructed:

12/08 Anspach Skull Base Course – Florida
02/09 University of Vermont Skull Base Course – Burlington, VT
04/09 Foundations in Neurosurgery – Boston, MA
02/10 University of Vermont Skull Base Course – Burlington, VT
07/10 Bootcamp for Neurosurgery Residents – AANS, Boston, MA

ADMINISTRATIVE RESPONSIBILITIES

University of Vermont/Fletcher Allen Health Care

1. Chairman, Division of Neurological Surgery

2. Program Director, Neurosurgery Residency Program
3. Chief, FAHC Neurosurgical Service
4. Executive Committee – Department of Surgery
5. Search Committee – Chairman of Orthopedic Surgery – 2000
6. Advisory Board – Totman Laboratory – Pharmacology – UVM – 2000
7. Advisory Board – Madi Fund For Hydrocephalus 2000-2005
8. FAHC Steering Committee for 2006-2009 Strategic Planning

PROFESSIONAL ACTIVITIES

Professional Societies:

1979 – 1986	Ontario Medical Association/Canadian Medical Association
1986 – present	Royal College of Physicians and Surgeons of Canada-F.R.C.S. (C.)
1986 – present	American Association of Neurological Surgeons
1987 – present	Congress of Neurological Surgeons
1988 – present	Canadian Neurosurgical Society
1988 – present	Alberta Medical Association/Canadian Medical Association
1990 – present	Western Neurosurgical Society
1996 – present	American Medical Association
1996 – 1999	New York Neurosurgical Association
2000 – 2010	New England Neurosurgical Society- Board of Trustees
2000 – present	Society of Neurological Surgeons
2004 – 2007	Centre for Donation and Transplant – Medical Advisory Board
2004 – present	Totman Research Fund – Board of Trustees
2010 – present	New England Neurosurgical Society

Professional Service:

1989 – present	Journal Reviewer, Canadian Journal of Neurological Science
1989 – 1995	Grant Reviewer – Canadian Heart and Stroke Foundation, Medical Research Council
1990 – 1995	Board of Directors – Alberta Heart and Stroke Foundation
1991 – 1995	Alberta Heart and Stroke Foundation, Medical Advisory Committee
1994	American Board of Neurological Surgeons – Guest Examiner
1996 – 2000	Hudson-Mohawk Neurosurgical Association – Secretary
1996 – present	Council Member – American Heart Association
1996 – 1997	Abstract Reviewer – North American Spine Association
1997	Journal Reviewer – American Journal of Cardiology
1998 – present	Journal Reviewer – Canadian Journal of Neurological Science
1998	Instructor – Carotid Artery Surgery – CNS Meeting – September 1998, Seattle
1999 – 2001	American Heart Association – New York State Affiliate
1999 – 2001	New York Neurosurgical Society - Board of Directors
2001 – 2010	New England Neurosurgical Society - Board of Directors
2010 – present	New England Neurosurgical Society
2001	American Board of Neurological Surgeon Guest Examiner

2001 Internal Reviewer of Neurology Program for GMEC – FAHC
2007 – 2009 Secretary – New England Neurosurgical Society
2009 – 2010 President – New England Neurosurgical Society

RESEARCH SUPPORT

University of Colorado – 1984-1987

1. American Critical Care 1985 – 1987 Amount: \$13,000
Project: Cerebral Edema – Canine Model. P.I. – BI Tranmer
2. Psikor Grant 1985 – 1986 Amount \$10,000
Project: Cerebral Ischemia – Canine Model. P.I. – BI Tranmer
3. MRI Research Funds 1986 – 1987 Amount: \$15,000
Project: Cerebral Ischemia – Primate Model. P.I. – BI Tranmer
4. BRS Grant 1986 – 1987 (University of Colorado) Amount: \$13,900
Project: Effect of Volume expansion with Hetastarch and/or fluosol and O2 availability.
P.I. – BI Tranmer
5. Am Sect. Amount: \$5,000
Project: Cerebral Ischemia – Primate Model – P.I.-BI Tranmer
6. Am Sect. Amount: \$7,500
Project: Cerebral Ischemia – Canine Model – P.I.-BI Tranmer

University of Calgary – 1988-1995

1. McLaughlin Foundation Traveling Fellowship Amount: \$22,000
Project: Cerebral Ischemia
2. Heritage Clinical Investigatorship Hypervolemic hemodilution and cerebral Ischemia. Amount: \$135,000 over three years
3. Medical Research Council Cerebral Ischemia and MK-801
Co-investigator with Dr. R. Auer. Amount: \$128,000 over three years
4. Pharmacia Inc. Amount: \$30,000 for two years
Project: Epidural Scarring
5. MSI Foundation. Amount: \$15,000 for one year
Project: Cerebral Ischemia and Exercise
6. Immuno Canada Amount: \$30,000 (1992)
Project: Epidural Scarring
7. UpJohn Pharmaceutical (USA) Amount: \$ 10,000
Project: Fibrosis Study – Gelfilm
8. Miles Pharmaceutical Amount: \$5,000 (1991) (1993)
Support for Cerebrovascular Laboratory
9. Calgary Foundation Amount: \$3,000 (1991)
Support for Cerebrovascular Laboratory
10. PS Medical Amount: \$1,000 Annually
Support for Visiting Cerebrovascular Lecturer

Albany Medical College – 1995-1999

1. Cerebral Ischemia and Excitatory Amino Acids (Kimelberg – P.I.)
NIH – 5/1/96 – 3/31/01. Total - \$628,881
2. Study of Pinealectomy and Scoliosis
University of Hong Kong Grant 1999, 2000 – Total - \$25,000
3. Mizuho Research Fellowship
\$15,000/year – 1995, 1996, 1997, 1998
4. Zeiss Equipment Grant – Research Microscope
\$10,000 – 1996
5. North American Symptomatic Carotid Endarterectomy Trial – Local PI – Tranmer - NIH
– 1995-1998
6. Tirilazad in Women with SAH - Local P.I. – Tranmer
UpJohn, Inc. – 1995 – 1996
7. Tirilazad in Men with SAH - Local P.I. – Tranmer
UpJohn, Inc. – 1996 – 1997
8. New York State Consortium for Carotid Endarterectomy – 1995
Executive Committee
9. BradyCor and Head Injury – 1996 – 1997 - Investigator
10. IC-1009 and Head Injury 1997 - Local P.I. – Tranmer
Parke Davis Pharm
11. CP-101,606 and Head Injury 1998 - Local P.I. - Tranmer
Pfizer Inc.

University of Vermont 1999- Present

Research Projects

1. Mechanism of blood-induced vasospasm: *in vivo* and *in vitro* approach – 1999 – present.
Collaboration with George Wellman, Ph. D. – Department of Pharmacology.
Funding– 1999 Department of Surgery - \$50,000
 2000 Department of Surgery
 POR – UVM Grant - \$15,000
 2001 COBRE Grant – HIH - \$200,000/yr for 5 years
 Co-applicant with Dr. Wellman
2. Mathematical Models for CSF Flow
Collaboration with Drs. Penar, and Lakin – Department of Mathematics.
3. Effect of Copper Reduction Therapy on Growth of Human Medullablastomas. 2001-2004
Private funding – Maine Medical Neurosurgical Group - \$4,000
4. Skull Base – Cerebrovascular Laboratory
Collaboration with Dr. Horgan – 1999 – present
Funding – Department of Surgery - \$20,000
Anspach, Ltd. \$20,000

Zeiss, Ltd. \$100,000

INVITED ADDRESSES

1. Blood Volume Expansion in Acute Ischemic Stroke in Monkeys
Tranmer BI, Keller TS, Kindt GW
Colorado Neurosurgical Society
Denver, Colorado 1984
2. Acute High Altitude Illness
Tranmer BI, Kindt GW
Society of University of Neurosurgeons
Denver, Colorado, 1985
3. Effect of Pulsations on Cerebral Blood Flow in the Ischemic Brain
Tranmer BI, Gross CE, Kindt GW
Society of University of Neurosurgeons
Denver, Colorado
4. Pulsatile and Nonpulsatile Blood Flow in Acute Cerebral Ischemia
Tranmer BI, Kindt GW
5. Brain Microcirculation: Edwin Research Symposium
Berlin, West Germany, September, 1986
6. The Treatment of Cerebral Ischemia with Colloidal Volume Expansion
Tranmer BI, Kindt GW
Guest Lecturer – Neuroscience Grand Rounds
Calgary, Alberta, Canada, October 1986
7. Hyperdynamic Therapy for Stroke
Guest Speaker – Neuroscience Grand Rounds
Loma Linda University, December, 1986
8. The Role of Colloidal Volume Expansion in Cerebral Ischemia and Cerebral Edema
Tranmer BI
International Symposium
Matsumoto, Japan, May, 1987
9. Cerebral Ischemia and Colloidal Volume Expansion
Guest Lecturer, University of Vermont – September, 1988
10. Cerebral Protection by Exercise
Fort Worth Neuroscience Group
Fort Worth, Texas, May, 1989
11. Colloid Volume Expansion and Brain Edema in Stroke Hemodilution in Stroke
(Symposium)
First European Stroke Conference
Dusseldorf, FRG, 1990
12. Role of Excitatory Amino Acids in Cerebral Ischemia
Special Course – Canadian Congress of Neurosciences
Banff, Alberta, 1990
13. Carotid Endarterectomy in Canada
Guest Speaker – Department of Neurosurgery
Nagoya University, Japan, 1991

14. Role of Cardiac Output on Cerebral Blood Flow during Cerebral Ischemia
Guest Speaker – Department of Neurosurgery
Nagoya University, Japan, 1991
15. Lumbar Microdiscectomy
Guest Speaker – Department of Neurosurgery
Sapporo Medical College, Japan, 1991
16. Influence of Cardiac Output on Cerebral Blood Flow
Guest Speaker – Department of Neurosurgery
Akita University, Japan, 1991
17. New Advances in Cerebral Ischemia
Guest Speaker – Department of Neurosurgery
University of Chicago, 1992
18. Research of Cerebral Ischemia
Guest Speaker – Department of Neurosurgery
Louisiana State University - 1993
19. Update of Cerebrovascular Research
Guest Speaker – Department of Neurosurgery
Albany Medical College, June 1994
20. Carotid Endarterectomy
Guest Speaker – Nursing Refresher Course
University of Calgary, November, 1994
21. Epidural Fibrosis in Spinal Surgery
Guest Speaker – Orthopedic Society
McMaster University, October 1994
22. Study of Epidural Fibrosis
Guest Speaker – New England Neurosurgical Society
Burlington, Vermont, February 1997
23. Vertebroplasty – A Surgeon’s Perspective
Guest Speaker – Vertebroplasty Conference
Sundance, Utah, August 1998
24. Aneurysm Surgery
Guest Speaker – Qingdao University
China, January 1999
25. Surgery for Cerebral Aneurysms
Maine Medical Center – Grand Surgery Rounds
March 2000
26. History of R.M.P. Donaghy and Microsurgery
New England Neurosurgical Society
June 2001
27. Calcium Sparks and Vasospasm
Dartmouth Medical College – Guest Speaker
May 2003
28. Modulation of Calcium Channels during Vasospasm
University of Oregon – Guest Speaker
June 2005
29. Update on Stroke Treatment

- Vermont Medical Association
October 2005
30. Current Management of Cerebral Aneurysms
Sapporo Medical College - Invited Visiting Professor
May 2006
 31. An Era of Innovation: Surgery for Cerebral Aneurysms
University of Vermont - Surgery Grand Rounds
July 2006
 32. Surgery for Cerebral Aneurysms
University of Utah – Invited Speaker
May 2007
 33. Developing an Neurosurgical Academic Career.
AANS Annual Meeting
April 2010

PUBLICATIONS

A. Peer Review Manuscripts:

1. Tranmer BI, Graham AM, Sterns EE: Incidental appendectomy? – Yes. **Can J Surg** 24(2): 191-192, 1981
2. Saunders FW, Tranmer BI: Pitfalls in posterior fossa CT scanning: an illustrative case report. **Can J Neuro Sci** 8(2): 155-157, 1981
3. Tranmer BI, Gray TA, Horsey WJ, Gonsalves CG: Inflammatory myelopathy presenting as a cystic intramedullary spinal cord lesion. **Can J Neuro Sci** 11(3): 399-401, 1984
4. Tranmer BI, Humphreys RP, Chuang SH: Microsurgical recovery of a migrated balloon from the internal carotid artery of a child. **Neurosurgery** 16(3): 381-386, 1985
5. Reeves JT, Moore LG, McCullough RE, Harrison G, Tranmer BI, Micco AJ, Tucker A, Weil JV: Headache at high altitude is not related to internal carotid artery blood velocity. **J Appl Physiol** 59(3): 909-915, 1985
6. Tranmer BI, Kindt GW: High altitude: an unusual cause of neurological deterioration in a patient with an arteriovenous malformation. **Neurosurgery** 17(2): 320-322, 1985
7. Tranmer BI, Gross CE, Kindt GW, Adey GR: The effect of pulsatile versus nonpulsatile blood flow in the treatment of ischemic stroke. **American College of Surgeons, Surgical Forum** 36: 483-485, 1985
8. Rhea AH, Tranmer BI, Gross CE: Intraoperative cervical spine stabilization using halo ring and Mayfield three-pin skull clamp. **J Neurosurg** 64(1): 157-158, 1986
9. Tranmer BI, Gross CE, Keller TS, Kindt GW: Acute middle cerebral artery occlusion: experience with volume expansion therapy. **Neurosurgery** 18(4): 397-401, 1986
10. Tranmer BI, Bilbao JM, Hudson AR: Perineurioma – a benign peripheral nerve tumor. **Neurosurgery** 19(1): 134-138, 1986
11. Tranmer BI, Keller TS, Nagata K, Kindt GW, Adey GR: Blood volume expansion with hetastarch in acute ischemic stroke: the effects on local cerebral blood flow and computer mapped EEG. **Neurol Res** 8(3): 177-182, 1986
12. Tranmer BI, Gross CE, Kindt GW, Adey GR: Pulsatile versus nonpulsatile blood flow in the treatment of acute cerebral ischemia. **Neurosurgery** 19(5): 724-731, 1986

14. Lillehei KO, Tranmer BI, Kindt GW: The role of colloidal volume expansion in the treatment of cold induced vasogenic cerebral edema. **Surgical Forum** 37: 517-519, 1986
15. Tornabene SP, Tyndal CM, Keller C, Tranmer BI, Gross CE: Differences in cerebral blood flow with pulsatile and nonpulsatile flow in normal and ischemic brain. **J ExtraCorporeal Technology** 18: 68-71, 1986
16. Tranmer BI, Tucker WS, Bilbao JM: Sleep apnea following percutaneous cervical cordotomy. **Can J Neuro Sci** 14(3): 262-267, 1987
17. Eberling JD, Tranmer BI, Davis KA, Kindt GQ, DeMasters BK: Thrombosed arteriovenous malformations: A type of occult vascular alformation. Magnetic resonance imaging and histopathologic correlations. **Neurosurgery** 23(5): 605-610, 1988
18. Tranmer BI, Gross CE, Adey GR, Keller TS, Nagata K, Iacobacci R: Colloidal volume expansion during acute cerebral ischemia: assessed by local cerebral blood flow and computerized power ratio index. **Neurol Res** 10(3): 151-155, 1988
19. Tranmer B: Volume expansion and cerebral blood flow. **Neurosurgery** 22(4): 797, 1988
20. Tyndall MR, Berryessa R, Tranmer BI, Iacobacci R: The role of intra aortic balloon counterpulsation in cerebral ischemia. **J of ExtraCorporeal Technology**, 1988
21. Tranmer BI, Singh S, Ketch L: An unusual case of temporal encephalocele. **Child's Nervous System** 5(6): 371-373, 1989
22. Tranmer BI, Iacobacci RI, Kindt GW: Effects of crystalloid and colloid infusions on intracranial pressure and computerized electroencephalographic data in dogs with vasogenic brain edema. **Neurosurgery** 25(2): 173-178. Discussion 178-179, 1989
23. Tranmer BI, Peniston C, Iacobacci R, Salerno TA, Hudson AR: Intra aortic balloon counterpulsation: a treatment for ischemia stroke. **Neurol Res** 11(2): 109-113, 1989
24. Tranmer BI, Iacobacci R, Feiler S: Effect of Fluosol-DA and hetastarch on local cerebral blood flow, cortical O₂ availability and computerized EEG data during cerebral ischemia. **Neurol Res**, 12(1): 17-22, 1990
25. Gross CE, Tranmer BI, Adey GR, Kohut J: Increased cerebral blood flow in idiopathic pseudotumour cerebri. **Neurol Res** 12(4): 226-230, 1990
26. Numerow LM, Krcek JP, Wallace CJ, Tranmer BI, Auer RN, Fong TC: Growing skull fracture simulating a rounded lytic calvarial lesion. **AJNR Am J Neuroradiol** 12(4): 783-784, 1991
27. Tranmer BI, Keller TD, Kindt G, Archer D: Loss of cerebral regulation during cardiac output variations in focal cerebral ischemia. **J Neurosurg** 77(2): 253-259, 1992
28. Demetrick DJ, Hamilton MG, Curry B, Tranmer BI: Epstein-Barr virus-associated primary B-cell lymphoproliferative disorder of the cerebellum in immune competent man. **Cancer** 70(2): 519-528, 1992
29. Hamilton MG, Tranmer BI, Hagen NA: Supratentorial glioblastoma with spinal cord intramedullary metastasis. **Can J Neurol Sci** 20(1): 65-68, 1993
30. Hamilton MG, Frizzell B, Tranmer BI: Chronic subdural hematoma: the role of craniotomy re-evaluated. **Neurosurgery** 33(1): 67-72, 1993
31. Ohtaki M, Tranmer BI: Role of hypervolemic hemodilution in focal cerebral ischemia of rats. **Surg Neurol** 40(3): 196-206, 1993
32. Ohtaki M, Tranmer BI: Hyperdynamic therapy for focal cerebral ischemia of rats: use of colloidal volume expansion and dobutamine. **Surg Neurol** 40(2): 131-137, 1993

33. Hamilton MG, Demetick DJ, Tranmer BI, Curry B: Isolated cerebellar lymphomatoid granulomatosis progressing to malignant lymphoma. **J Neurosurg** 80(2): 314-320, 1994
34. Ohtaki M, Tranmer BI: Pretreatment of transient focal cerebral ischemia in rats with the calcium antagonist AT877. **Stroke** 25(6): 1234-1239. Discussion 1240, 1994
35. Stummer W, Weber K, Tranmer BI, Baethmann A, Kempfski O: Reduced mortality and brain damage after locomotor activity in gerbil forebrain ischemia. **Stroke** 25(9): 1862-1869, 1994
36. Hamilton MG, Tranmer BI, Auer RN: Insulin reduction of cerebral infarction due to transient focal ischemia. **J Neurosurg** 82(2): 262-268, 1995
37. Kurokawa Y, Tranmer BI: Interrupted arterial occlusion reduces ischemic damage in focal cerebral ischemia model of rats. **Neurosurgery** 37(4): 750-756. Discussion 756-757, 1995
38. Brownlee R, Tranmer BI, Sevick R, Karmy G, Curry BJ: Spontaneous thrombosis of an unruptured anterior communicating aneurysm: an unusual cause of ischemic stroke. **Stroke** 26(10): 1945-1949, 1995
39. Hu WY, Sevick RJ, Tranmer BI, Maitland A; Gray RR: Aortic arch interruption associated with ruptured cerebral aneurysm. **Can Assoc Radiol J** 47(1): 20-23, 1996
40. Auer RN, Coupland SG, Tranmer BI, et al: Postischemic therapy with MK 801 (Dizocilpine) in primate model of transient focal brain ischemia. **Mol Chem Neuropathol** 29(2-3): 193-209, 1996
41. Ouellet MC, Sevick RJ, Tranmer BI, Lester WM: Thrombosed fusiform basilar aneurysm associated with Klippel-Trenaunay-Weber-Syndrome case report. **Can Assoc Radiol J** 48(1): 28-32, 1997
42. Carl AL, Tranmer BI, Sachs BL: Anterolateral dynamized instrumentation and fusion for unstable thoracolumbar and lumbar burst fracture. **Spine** 22(6): 686-690, 1997
43. Patterson R, Temple WJ, Tranmer BI: Traumatic intervertebral incarceration of the ileum – a unique lapbelt injury. **Injury** 27(8): 596-598, 1996
44. Rottger J, Irving AM, Broere J, Tranmer BI: Use of telecommunications in rural emergency – brain surgery by fax. **J Telemed Telecare** 3(1): 59-60, 1997
45. Duke BJ, Breeze RR, Rubenstein D, Tranmer BI, Kindt GW: Induced hypervolemia and isotropic support for acute cerebral arterial insufficiency: an underused therapy. **Surg Neurol** 49(1): 51-54. Discussion 54-7, 1998
46. Brownlee RD, Sevick RJ, Rewcastle NB, Tranmer BI: Intracranial chondroma. **AJNR Am J Neuroradiol** 18(5): 889-931, 1997
47. Hannan EL, Popp AJ, Tranmer BI, Fuestel P, Waldman J, Shah D: Relationship between provider volume and mortality for carotid endarterectomy in New York State. **Stroke** 29(11): 2292-2297, 1998
48. Seki Y, Feustel PJ, Keller RW Jr, Tranmer BI, Kimelberg HK: Inhibition of ischemia – induced glutamate release in rat striatum by dihydropyridine and anion channel blockers. **Stroke** 30(2): 433-440, 1999
49. Kimelberg HK, Fuestel PJ, Jin Y, Paquette J, Boulos A, Keller RW Jr., Tranmer BI: Acute treatment with tamoxifen reduces ischemic damage following middle cerebral artery occlusion. **Neuroreport** 11(12): 2675-2679, 2000
50. Osuka K, Feustel PJ, Mongin AA, Tranmer BI, Kimelberg HK: Tamoxifen inhibits nitrotyrosine formation after reversible middle cerebral artery occlusion in the rat. **J Neurochem** 76(6): 1842-1850, 2001

51. Florman J, Khoshyomn S, Tranmer B: Intraspinal clear cell meningioma: diagnosis and management – report of two cases. **Neurosurgery** 49(2): 481, 2001
52. Brumblay HG, Khoshyomn S, Tranmer BI, Braff SP: Giant cavernous angioma. **Pediatr Neurosurg** 35(6): 336, 2001
53. Wellman GC, Nathan DJ, Saundry CM, Perez G, Bonev AD, Penar PL, Tranmer BI, Nelson MT: Ca²⁺ sparks and their function in human cerebral arteries. **Stroke** 33(3): 802-808, 2002
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