

2024-01-29

**CURRICULUM VITAE**  
**BEVERLY CLAIRE WALTERS, MD, MSc, FRCSC, FACS**

**WEBSITES:**

<http://www.uab.edu/medicine/neurosurgery/faculty/walters>

<https://www.henryford.com/hcp/med-ed/residencies-fellowships/hfh/neurosurgery/research-and-journal-club>

<https://www.linkedin.com/in/beverly-claire-walters-53b9966/>

## **EDUCATION**

### **Undergraduate:**

- 1962 Linley Heflin Four-Year Scholarship  
University of Alabama, Tuscaloosa, Alabama
- 1962 - 1964 University of Alabama  
Tuscaloosa, Alabama, U.S.A.  
B.A. Programme  
Major: Theatre Arts; Minor: English and French
- 1964 - 1965 Certificate of European Studies,  
Institute for American Universities  
Aix-en-Provence, France
- 1968 - 1970 Georgia State University  
Atlanta, Georgia, U.S.A.  
B.A. Programme  
Major: English; Minor: French and Education  
Certification to teach at the secondary level
- 01/78 - 04/78 Department of Preventive Medicine and Biostatistics  
University of Toronto, Toronto, Ontario, Canada  
Special Student

### **Medical School:**

- 1978 - 1981 McMaster University, Faculty of Health Sciences  
Hamilton, Ontario, Canada  
M.D. (Medical Doctorate)

### **Other Advanced Degrees:**

- 1983 - 1984 McMaster University, Faculty of Health Sciences  
Hamilton, Ontario, Canada, Department of Clinical  
Epidemiology and Biostatistics; Design, Measurement and  
Evaluation, 1989, M.Sc., Master of Science

## **POSTGRADUATE TRAINING**

- Internship:** Wellesley Hospital, Toronto, Ontario,  
University of Toronto  
Straight Surgical Internship  
07/81 - 09/82
- Residency:** University of Toronto, Department of Surgery  
Toronto, Ontario, Canada  
Resident Training in Neurosurgery  
10/82 – 12/87

## **POSTGRADUATE HONORS AND AWARDS**

- 1980 Summer scholarship, Research Institute  
The Hospital for Sick Children, Toronto, Ontario,  
Canada
- 1986 Resident research prize  
Toronto General Hospital, Toronto, Ontario, Canada
- 1988 PAIRO Trust Fund award for clinical teachers
- 1993 Royal College of Physicians and Surgeons of Canada  
Detweiler Clinical Traineeship Award
- 1995 Brown University  
Ad Eundem Degree (Honorary)  
Providence, Rhode Island
- 1996 *Rhode Island Monthly*, “Top Docs”  
“Tops In Her Field” - Neurosurgery  
Rhode Island M.D.s name the 215 best doctors in the  
state
- 1997 *Women in Neurosurgery*  
Annual Ruth Kerr Jakoby, MD Lecture Award
- 1998 Brain Trauma Foundation – New York, NY  
Certificate of Appreciation
- 1998 & 2000 *Rhode Island Monthly* “Top Docs”

Rhode Island M.D.s name the 218 best doctors in the state - Beverly C. Walters, M.D. - Neurosurgery

- 2000 Life Member – *The National Registry of Who's Who*  
Registered at the Library of Congress in Washington, D. C.
- 2001 *Wall Street Businessman of the Year* - Physicians' Advisory Board and National Republican Congressional Committee
- 2005 Congress of Neurological Surgeons  
Exceptional and Distinguished Service Award
- 2001 Citation in U.S. Congress for Spinal Cord Injury Guidelines, Congressman James Langevin
- 2008 McMaster University, Alumni Gallery
- 2011 Joint Section of Neurotrauma and Critical Care  
American Association of Neurological Surgeons and Congress of Neurological Surgeons  
Anthony Marmourou Lectureship
- 2012 Inaugural Lectureship, Haines Family Lecturer in Neurosurgical Clinical Research  
University of Minnesota
- 2013 Citation in U.S. Congress for Spinal Cord Injury Guidelines (Second Edition), Congressman James Langevin
- 2021 Founders Laurel, Congress of Neurological Surgeons
- 2021 Galbraith Lecturer, University of Alabama at Birmingham, Department of Neurosurgery
- 2023 Richard Schneider Lecturer, American Association of Neurological Surgeons, Los Angeles

## **PROFESSIONAL LICENSES AND BOARD CERTIFICATION**

- 1982 Medical Licentiate of the Medical Council of Canada
- 1986 Royal College of Physicians and Surgeons of Canada  
Toronto, Ontario, Canada

- Principles of Surgery Written Examination (Passed)
- 1987 American Board of Neurological Surgery  
Primary Written Examination (Passed)
- 1987 Royal College of Physicians and Surgeons of Canada  
Toronto, Ontario, Canada  
Neurosurgical Specialty Examination (Passed)
- 1987 Royal College of Physicians and Surgeons of Canada  
(FRCSC) in Neurosurgery - Canada
- 1993 - 2008 Rhode Island Medical Licensure (RI 8537)

### **ACADEMIC APPOINTMENTS**

- 01/84 - 06/85 Research Fellow, Medical Education  
McMaster University, Faculty of Health Sciences  
Hamilton, Ontario, Canada
- 01/88 - 06/93 Assistant Professor, Department of Surgery  
University of Toronto, Faculty of Medicine  
Toronto, Ontario, Canada
- 1990 - 1993 University of Toronto, Faculty of Medicine  
Preventive Medicine and Biostatistics  
Assistant Professor
- 07/93 - 12/93 University of Toronto, Faculty of Medicine  
Preventive Medicine and Biostatistics  
Associate Professor
- 07/93 - 12/93 Associate Professor, Department of Surgery  
University of Toronto, Faculty of Medicine  
Toronto, Ontario, Canada
- 10/93 – 7/04 Associate Professor, Department of Clinical Neurosciences  
Brown University School of Medicine
- 9/99 – 2/01 Neurosurgery Residency Program Director  
Brown University School of Medicine
- 09/03- 7/09 Clinical Professor, Department of Neurosurgery  
New York University School of Medicine  
New York, NY

02/04 – 7/07	Adjunct Professor of Surgery – School of Medicine Uniformed Services University of the Health Sciences Bethesda, MD
03/05 – Present	Visiting Professor, Department of Neurosurgery University of Zagreb, Zagreb, Croatia
07/09 – 12/21 12/23 – Present	Adjunct Professor of Surgery, Neurosurgery Director of Clinical Research University of Alabama at Birmingham
05/12 – 08/15	Professor of Neurosciences VCU School of Medicine – Inova Campus Falls Church, Virginia
06/12 – 08/15	Affiliate Professor of Molecular Neurosciences Krasnow Institute of Advanced Study George Mason University, Fairfax, Virginia
07/12 – 08/15	Research Professor of Outcome Science VCU School of Pharmacy -- Inova Campus Falls Church, Virginia
07/13 – 06/21	Director of Clinical Research Department of Neurosurgery Henry Ford Health System

### **HOSPITAL APPOINTMENTS**

07/83 - 12/84	Clinical Fellow, Neurosurgical Research The Hospital for Sick Children Toronto, Ontario, Canada
06/84 - 12/84	Temporary Staff, Department of Surgery Chedoke-McMaster Hospitals Hamilton, Ontario, Canada
01/88 - 12/90	Associate Staff, Department of Surgery Sunnybrook Health Science Centre North York, Ontario, Canada
03/88 - 12/93	Consultant, Toronto Bayview Regional Cancer Clinic North York, Ontario, Canada
01/91 - 12/93	Active Staff, Sunnybrook Health Science Centre North York, Ontario, Canada

10/93 – 09/00	Chief of Neurosurgery, The Miriam Hospital Providence, Rhode Island
10/99 – 12/01	Active Staff, Newport Hospital Newport, Rhode Island
8/00 – 10/05	Director, Neuromuscular Disease Center Landmark Medical Center Woonsocket, RI
11/00 – 11/05	Chief of Neurosurgery Landmark Medical Center Woonsocket, RI
11/93 – 12/05	Active Staff, The Rhode Island Hospital Providence, RI
01/94 – 12/05	Consulting Staff, Women & Infants Hospital Providence, RI
07/97 – 12/05	Consulting Staff, Rehabilitation Hospital of Rhode Island North Smithfield, RI
04/00 – 12/05	Active Staff, Landmark Medical Center
08/99 – 12/05	Active Staff, Roger Williams Hospital, Providence, RI
06/03 -- 09/06	Active Staff, VA Hospital, New York, NY

## **MEMBERSHIP IN SOCIETIES**

### **Medical/Scientific Organizations - Memberships**

- **Ontario Medical Association**, Women's Issues Committee, member  
Jan 1992 -- Dec 1993
- **Ontario Medical Association**, Ministry of Health, Joint Management Committee,  
Gender Issues Research Committee, member  
Jan 1993 -- Dec 1993
- **The Educating Future Physicians for Ontario Project**, Steering Committee,  
member 1988 – 1993

- **American Association of Neurological Surgeons, Practice Guidelines and Outcomes Committee**, member (1994 -1995); Chairperson - Practice Guidelines Committee (1996-2005)
- **American Association of Neurological Surgeons/Congress of Neurological Surgeons**, Joint Committee for the Assessment of Quality - member (1996)
- **American Association of Neurological Surgeons, Outcomes Assessment Committee**, ViceChair/Secretary – 1999 - 2003
- **American Association of Neurological Surgeons**, Coordinating Committee for Continuing Education, (1995 - 1996)
- **American Academy of Neurology, Quality Standards Subcommittee**, Representative from AANS, 1994 - 1998
- **American College of Surgeons**, Task Force on Outcome Assessment/Working Group on Methodology and Data Collection, Working Group on Education. (06/95 - 6/96)
- **Joint Section on Cerebrovascular Surgery - A Joint Section of The American Association of Neurological Surgeons and Congress of Neurological Surgeons, Outcomes and Guidelines Committee**, Member at Large
- **World Health Organization**, Neurotrauma Committee, consultant (1996-2000)
- **Rhode Islanders Sponsoring Education**, Sponsor, (98 – 05)
- **Ontario Medical Association**, member, 1987 -- 1994
- **Trauma Association of Canada**, member, 1988 -- 1994
- **Academy of Medicine of Toronto**, member 1987 -- 1994
- **Association of Women Surgeons**, member 1993 – 2003
- **American Medical Women's Association**, member 1993 -- 2003
- **Women in Neurosurgery**, member 1993 -- Present
- **Rhode Island Medical Women's Association**, member



1993 -- 2005

– **Rhode Island Neurosurgical Society**, member  
1994 – 2005, 2000 – 2005 – President

– **American Association of Neurological Surgeons**, member  
1994 -- Present

– **Congress of Neurological Surgeons**, Fellow  
July, 1995 -- Present

– **Congress of Neurological Surgeons - Officers & Executive Committee - Ex-Officio**, 2000 - 2003

– **American College of Surgeons**, Fellow  
10/95 -- Present

– **American Medical Association**, member  
1995 -- Present

– **New England Neurosurgical Society**, member  
07/96 – 07/04

## **ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS**

1. **Pannell (Walters) BC**, Hendrick EB, Hoffman HJ, Humphreys RP: Dermoid cysts of the anterior fontanelle. Neurosurgery 10(3):317-323. 1982
2. **Walters BC**, Hoffman HJ, Hendrick EB, Humphreys RP: Cerebrospinal fluid shunt infection. Influences on initial management and subsequent outcome. Journal of Neurosurgery 60:1014-1021. 1984
3. **Walters BC**, Hoffman HJ, Hendrick EB, Humphreys RP: Decreased risk of infection using prophylactic antibiotics in cerebrospinal fluid shunt surgery: A case-control study. Z Kinderchir 40(1):15-18. 1985
4. **Walters BC**: Dermoid cysts. Surgical Neurology Feb;23(2):202. 1985
5. Kondziolka D, Schwartz ML, **Walters BC**, McNeill I: The Sunnybrook neurotrauma assessment record: Improving trauma data collection. Journal of Trauma 29(6):730-735. 1989
6. **Walters BC**, Burrows PE, Musewe N, Chuang SH, Armstrong D: Unilateral megalencephaly associated with neonatal high-output cardiac failure. Child's Nervous System 6:123-125. 1990

7. **Walters BC, McNeill I:** Improving the record of patient assessment in the trauma room. Journal of Trauma 30(4):398-409. 1990
8. Levi ADO, Wallace MC, Bernstein M, **Walters BC:** Venous thromboembolism after brain tumour surgery: A retrospective review. Neurosurgery 28(6):859-863. 1991
9. Ferris LE, **Walters BC:** Where have all the primary care applicants gone? [Letter]. New England Journal of Medicine 326(26):1778. 1992
10. **Walters BC, Goumnerova L, Hoffman HJ, Hendrick EB, Humphreys RP, Levinton C:** A randomized controlled trial of perioperative Rifampin/Trimethoprim in cerebrospinal fluid shunt surgery. Child's Nervous System 8:253-257. 1992
11. **Walters BC:** Cerebrospinal fluid shunt infection. Neurosurg Clin N Am. April:3(2):387-401. 1992
12. Neufeld VR, Maudsley RF, Pickering RJ, **Walters BC, Turnbull JM, Spasoff RA, Hollomby DJ, LaVigne KJ:** Demand-side medical education: Educating Future Physicians for Ontario. Canadian Medical Association Journal 148(9):1471-1477. 1993
13. **Walters BC:** Why don't more women choose surgery as a career? Academic Medicine 68(5) 350-1. 1993
14. Mizgala CL, MacKinnon SE, **Walters BC, Ferris LE, McNeill I, Knighton T:** Women surgeons -- Results of the Canadian population study. Annals of Surgery 218 (1): 37-46. 1993
15. **Walters BC:** Technical Note: Cranial bone grafts for use in posterior fixation of the cervical spine. Journal of Neurosurgery 79:286-288. 1993
16. Haines SJ, **Walters BC:** Proof of Equivalence. The Inference of Statistical Significance -- "Caveat Emptor". Neurosurgery 33(3): 432-433. 1993
17. Haines SJ, **Walters BC:** Antibiotic Prophylaxis for CSF shunts: A metanalysis. Neurosurgery 34(1): 87-92. 1994
18. Rowed DW, **Walters BC:** Iatrogenic intracranial false aneurysm formation following craniotomy for aneurysm clipping -- Case Report. Canadian Journal of Neurologic Sciences, 21: 346-349. 1994
19. Ferris LE, **Walters BC, MacKinnon SE, Mizgala CL and McNeil, I:** The quality of life of Practicing Canadian Women Surgeons: Results of the population study. Journal of Women's Health (1). 1995

20. Haines SJ, **Walters BC**: What is metanalysis? Surgical Neurology Dec; 44 (6): 581-582. 1995
21. Mackinnon SE, Mizgala CL, McNeill IY, **Walters BC**, Ferris LE: Women Surgeons: Career and Lifestyle Comparisons Among Surgical Subspecialties. Plastic and Reconstructive Surgery, 95; (2):321-399. 1995
22. Wright JG, McLeod RS, Lossing A, **Walters BC**, Hu X: Measurement in surgical clinical research. Surgery; 119:241-4. 1996
23. Hu, X, Wright JG, McLeod RS, Lossing A, **Walters BC**: Observational studies as alternatives to randomized clinical trials in surgical clinical research. Surgery; 119:473-5. 1996
24. McLeod RS, Wright JG, Solomon MJ, Hu X, **Walters BC**, Lossing AL: Randomized controlled trials in surgery: Issues and problems. Surgery May;119(5): 483-6. 1996
25. Mittler M, **Walters BC**, Stopa E: Observer reliability in histologic grading of astrocytoma stereotactic biopsies. Journal of Neurosurgery 85: 1091-1094. 1996
26. Glantz MJ, Cole BF, Glantz LK, Cobb J, Mills P, Lekos A, **Walters BC**, Recht, LD: Cerebrospinal Fluid Cytology in Patients with Cancer: Minimizing False Negative Results. CANCER. 82 (4): 733-739. 1998
27. **Walters BC**, Friehs GM: Diagnosis and Treatment of Spinal Stenosis. Medicine & Health/ Rhode Island; 81 (5) 174-178. 1998
28. Glantz MJ, Chamberlin MC, **Walters BC**: Diagnosis and Outcome Measures in Trials for Neoplastic Meningitis: Review of the Literature and Clinical Experience. Neurosurg Focus; 4 (6): Article 4. 1998
29. Shaw E, Bernstein M, Recht L, Ashwal S, Camel M, Florin R, Haines S, O'Neill B, Rock J, Rosenberg J, Rosenblum M, Shea M, **Walters BC**: Practice Parameters in adults with suspected or known supratentorial non-optic pathway low-grade glioma. Neurosurg Focus; 4 (6): Article 10. 1998
30. Bernstein M, **Walters BC**: Beyond Survival: Guidelines and Outcomes in Neuro-oncology. Neurosurg Focus; 4 (6): Introduction. 1998
31. Haines SJ, **Walters BC**, Florin RE, Harbaugh RE: Guidelines or Potentially Dangerous Recommendations? [Letter]. J. Neurosurg 89: 687-688, 1998
32. Mittler MA, **Walters BC**, Fried AH, Sotomayor EA, Stopa EG: Malignant glial tumor arising from the site of a previous hamartoma/ganglioglioma: oincidence or malignant transformation?. Pediatric Neurosurgery. March; 30(3):132-134. 1999

33. Mylonakis E, Merriman NA, Rich JD, Flanigan TP, **Walters BC**, Tashima KT, Mileno MD, van der Horst CM: Use of cerebrospinal fluid shunt for the management of elevated intracranial pressure in a patient with active AIDS-related cryptococcal meningitis. Diagnostic Microbiology Infectious Disease. June; 34(2):111-114. 1999
34. **Walters BC**, Friehs GM: A surgical approach to low back pain. Medical Health RI. Apr; 83(4); 101-3. 2000
35. Lennarson PJ, Mostafavi BS, Traynelis VC, **Walters BC**: Management of Type II Dens Fractures: A Case-Control Study. Spine. May 15;25(10):1234-7. 2000
36. **Walters BC**: Outcomes science and neurotrauma: a national database. Clinical Neurosurgery. 46: 203 – 215, 2000
37. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Introduction. Journal of Neurotrauma. 17(6/7):453-455, 2000
38. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Trauma Systems. Journal of Neurotrauma. 17(6/7):457-462, 2000
39. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Initial Management. Journal of Neurotrauma. 17(6/7):463-469, 2000
40. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Resuscitation of Blood Pressure and Oxygenation. Journal of Neurotrauma. 17(6/7):471-478, 2000
41. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Indications for Intracranial Pressure Monitoring. Journal of Neurotrauma. 17(6/7):479-491, 2000
42. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Intracranial Pressure Treatment Threshold. Journal of Neurotrauma. 17(6/7):493-495, 2000

43. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Recommendations for Intracranial Pressure Monitoring Technology. Journal of Neurotrauma. 17(6/7):497-506, 2000
43. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Guidelines for Cerebral Perfusion Pressure. Journal of Neurotrauma. 17(6/7):507-511, 2000
44. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Hyperventilation. Journal of Neurotrauma. 17(6/7):513-520, 2000
45. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Use of Mannitol. Journal of Neurotrauma. 17(6/7):521-525, 2000
46. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Use of Barbiturates in the Control of Intracranial Hypertension. Journal of Neurotrauma. 17(6/7):527-530, 2000
47. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Role of Steroids. Journal of Neurotrauma. 17(6/7):531-535, 2000
48. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Critical Pathway for the Treatment of Established Intracranial Hypertension. Journal of Neurotrauma 17(6/7):537-538, 2000
49. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Nutrition. Journal of Neurotrauma. 17(6/7):539-547, 2000
50. Bullock, RM, Chesnut RM, Clifton GL, Ghajar J, Marion DW, Narayan RK, Newell DW, Pitts LH, Rosner MJ, **Walters BC**, Wilberger JE: Guidelines for the Management of Severe Traumatic Brain/Injury: Role of Antiseizure Prophylaxis Following Head Injury. Journal of Neurotrauma. 17(6/7):549-553, 2000

51. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Introduction. Journal of Neurotrauma 17(6/7):559-560. 2000
52. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Methodology. Journal of Neurotrauma 17(6/7):561-562. 2000
53. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Glasgow Coma Scale Score. Journal of Neurotrauma 17(6/7):563-571. 2000
54. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Age. Journal of Neurotrauma 17(6/7):573-581. 2000
55. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Pupillary Diameter and Light Reflex. Journal of Neurotrauma 17(6/7):583-590. 2000
56. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Hypotension. Journal of Neurotrauma 17(6/7):591-595. 2000
57. Chesnut RM, Ghajar J, Maas AIR, Marion DW, Servadei F, Teasdale G, Unterberg A, von Holst H, **Walters BC**: Early Indicators of Prognosis in Severe Traumatic Brain Injury: Computed Tomography Scan Features. Journal of Neurotrauma 17(6/7):597-627. 2000
58. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC**: Guidelines for the Management of Penetrating Brain Injury: Introduction and Methodology. Journal of Trauma 51 (2) Suppl: S3-S6. 2000
59. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC**: Guidelines for the Management of Penetrating Brain Injury: Neuroimaging in the Management of Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S7-S11. 2001

60. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Guidelines for the Management of Penetrating Brain Injury: Intracranial Pressure Monitoring in the Management of Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S12-S15. 2001
61. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Guidelines for the Management of Penetrating Brain Injury: Surgical Management of Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S16-25. 2001
62. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Guidelines for the Management of Penetrating Brain Injury: Vascular Complications of Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S26-S28. 2001
63. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Guidelines for the Management of Penetrating Brain Injury: Management of Cerebrospinal Fluid Leaks in Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S29-S33. 2001
64. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Guidelines for the Management of Penetrating Brain Injury: Antibiotic Prophylaxis for Penetrating Brain Injury. Journal of Trauma 51 (2) Suppl: S34-S40. 2001
65. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Introduction and Methodology. Journal of Trauma 51 (2) Suppl: S44-S49. 2001
66. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Prognostic Indicators. Journal of Trauma 51 (2) Suppl: S50. 2001
67. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Demographic Factors: Age. Journal of Trauma 51 (2) Suppl: S51-S52. 2001

68. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Epidemiology: Cause of Injury. Journal of Trauma 51 (2) Suppl: S53-S56. 2001
69. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Epidemiology: Mode of Injury. Journal of Trauma 51 (2) Suppl: S57. 2001
70. Aarabi B, Alden TD, Chesnut RM, Downs JH III, Ecklund JM, Eisenberg HM, Farace E, Florin RE, Jane JA Jr, Krieger MD, Maas AIR, Narayan RK, Potapov AA, Salazar AM, Shaffrey ME, **Walters BC** : Prognosis in Penetrating Brain Injury: Epidemiology: Caliber of Weapon. Journal of Trauma 51 (2) Suppl: S58-S59. 2001
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### BOOKS AND BOOK CHAPTERS

1. **Walters BC:** Aplasia cutis congenita. In: Disorders of the developing nervous system: Diagnosis and treatment. (Hoffman HJ, Epstein F, eds). Blackwell Scientific, Boston. 1986
2. **Walters BC:** Why clinical research. In: Principles and practice of research: Strategies for surgical investigators. (Troidl H et al., ed). Springer-Verlag, New York. 1990
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5. **Walters BC:** Foreign Body Infections in Neurosurgery. In: The Practice of Neurosurgery. (Tindall et al. eds). Williams & Wilkins, Baltimore; Chapt. 224: 3385 - 3394. 1996
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7. Friehs GM, **Walters BC:** Meningiomas in: Prognosis in Neurology, (JM Gilchrist, editor.) Butterworth Heineman, Boston; Chapter 36: 197-200. 1998
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9. Rock JP, **Walters BC,** Shaw E: Low-Grade Glioma: Guidelines and Outcomes Analysis: In: The Practical Management of Low-Grade Primary Tumors. Rock JP, Rosenblum ML, Shaw E, Cairncross JG (eds). Lippincott, Williams & Wilkins, Philadelphia; Chapt 14; 231-234, 1999

10. **Walters BC:** Measuring Treatment Success: Outcome Assessment In Neurological Surgery. In: Neurosurgery: The Scientific Basis of Clinical Practice, Third Edition (Crockard A, Hayward R, Hoff J, (eds.) Blackwell Science; Vol II; Chapt 81:1270-1288. 2000
11. **Walters BC:** Outcomes Science and Neurotrauma: A National Database. Clinical Neurosurgery, (M. Sean Grady, M.D., ed.), Baltimore: Lippincott, Williams & Wilkins, Vol. 46 (15): 203-215. 2000
12. **Walters BC,** Gabriel EJ, Ghajar J, Jagoda A, Pons PT, Scalea T: Guidelines For Prehospital Management of Traumatic Brain Injury. Brain Trauma Foundation, 2000
13. **Walters BC:** Patient-Based Assessments in Neurological Surgery: Linskey ME and Rutigliano M, Eds. Quality and Cost in Neurological Surgery, Volume 11: In Haines SJ and Nelson P, Eds. Congress of Neurological Surgeons Concepts in Neurological Surgery Series. Baltimore: Williams & Wilkins, 2001
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18. Patel DM, **Walters BC,** Markert JM. Clinical Research Methods and Designs. In: A Guide to the Scientific Career [Internet]. John Wiley & Sons, Ltd; 2019 [cited 2019 Nov 11]. p. 247–61. Available from: <https://onlinelibrary.wiley.com/doi/10.1002/9781118907283.ch26>

## **ABSTRACTS**

1. Neufeld VR, Inui T, Pickering RJ, **Walters BC**, Turnbull JM: Curriculum design in response to societal needs and expectations: Educating Future Physicians for Ontario. Academic Medicine; 66(9):586-587. 1991
2. Brown JIM, **Walters BC**, Hu R: Spinal and neurologic horse-related injuries. Journal of Trauma. 1993
3. Sachs GM, Murnane M, Donald L, **Walters BC**: Anomalous median innervation of flexor carpi ulnaris. Scientific Session: American Association of Electrodiagnostic Medicine Annual Meeting. San Diego, CA. 1997

## **SCHOLARLY WORK PUBLISHED IN OTHER MEDIA**

### **NON-PEER REVIEWED**

ACDF and Instrumentation Instructor Procedure and Training Video/CD. EBI – New Jersey – 2002

## **INVITED PRESENTATIONS**

1. University of North Carolina School of Medicine, Chapel Hill, North Carolina, March 11, 1992. Women in Medicine -- Visiting lectureship.
2. University of Saskatchewan, Saskatoon, Saskatchewan, May 25, 1992. Teaching Critical Appraisal of Medical Literature in the Undergraduate Curriculum -- Visiting lectureship.
3. University of Western Ontario, Department of Clinical Neurological Sciences, London, Ontario, November 16 -- 17, 1992. "Alternative Study Designs for the Neurosciences ". Visiting lectureship.
4. University of Toronto, Ontario Medical Students Weekend -- The changing face of Medicine, February 19 -- 21, 1993. "Family vs. Career; How do female surgeons cope?" Invited speaker.
5. University of Ottawa, Department of Surgery, February 24, 1993. "Clinical Research in Surgery: What are our options?" Visiting lectureship.
6. University of British Columbia, Division of Neurosurgery, April 21, 1993. "Options for Research in Neurosurgery". Visiting lectureship.
7. Brown University, Department of Clinical Neurosciences, May 9 -- 10, 1993. "Development of Prognostic Scores for Treatment". Visiting lectureship.

8. Academy of Medicine of Toronto, First Annual Gold Lecture: "Progress of Women in Medicine", June 21, 1993.
9. The Canadian Society for the Weizmann Institute of Science, "A Day With Women of Science", September 21, 1993.
10. American Association of Neurological Surgeons, "Guidelines and Outcomes: A tutorial Workshop". Chicago, Illinois. January 29 & 30, 1994
11. Miriam Hospital, Miriam Health Connection, Women's Wellness Workshop, Providence, RI. April 30, 1994. "The Doctor-Patient Dialog: Who's on First"?
12. University at Buffalo, State University of New York, Buffalo, New York, Department of Neurosurgery. "Clinical Research Methodology for Neurosurgeons" and "Indications for Peripheral and Brachial Plexus Surgery". Buffalo, New York. July 8 & 9, 1994.
13. Children's Hospital, Cardiac Anesthesia Service, Boston, MA. December 30, 1994. Visiting Professor - grand rounds: "Female issues in health care".
14. Memorial Hospital of Rhode Island, Department of Pediatrics. January 11, 1995 - "Diagnosis and Treatment of Hydrocephalus and recognizing shunt malfunction".
15. Rhode Island Hospital of Rhode Island, Department of Orthopaedic Research Laboratory. February 22, 1995 - "Peripheral Nerve Injury and Repair".
16. Mayo Clinic/Mayo Foundation, Departments of Neurology, Neurosurgery & Radiation Oncology, Rochester, Minnesota. March 2 - 5, 1995. "Outcomes Analysis in Neuro-Oncology and the Generation of Practice Guidelines", "Development of Practice Guidelines using low grade gliomas", Critical Analysis of Neurosurgical Literature", Surgical decision making based on generated evidence".
17. Visiting Clinical Scholar - Kaiser Permanente, Southern California Permanente Medical Group, 22nd Annual Neurology Symposium, Pasadena, CA. March 10-12, 1995 - "What is an outcome and can it be measured?, Does the literature tell us if a treatment works?, Is this diagnostic test reliable, sensitive and specific?, Is it possible to assess prognosis from the literature? What is the most cost effective strategy for the diagnosis and follow-up of the patient who is suspected to have multiple sclerosis"?
18. Miriam Hospital, Critical Care Medicine Fellow Lecture, Providence, RI. 03-28-95. "Intracranial Pressure and Cerebral Edema; Determinants and Control."
19. Yale University School of Medicine, Depts of Neurological Surgery, Epidemiology & Public Health, Academic Affairs, New Haven, Connecticut.

- April 4 - 5, 1995. "Outcome Measures & Neurosurgery, "Women in Surgery: A Look to the Future".
20. St. Luke's Hospital of New Bedford, New Bedford, MA. April 8, 1995 - "Indications for Brachial Plexus and Peripheral Nerve Surgery".
  21. Miriam Hospital, Critical Care Medicine Fellow Lecture, Providence, RI. 04-11-98  
"Subarachnoid Hemorrhage Including "Antispasm Prophylaxis and Treatment".
  22. Miriam Hospital, Critical Care Medicine Fellow Lecture, Providence, RI. 04-18-98 "Postoperative Care of the Neurosurgical Patient".
  23. Miriam Hospital, Miriam Health Connection, Women's Wellness Workshop, Providence, RI. May 20, 1995 - Key Note Address Speaker. "Gender Equity in the Health Care Encounter: Rights and Responsibilities".
  24. Rhode Island Hospital, Brown University, Dept. of Surgery Grand Rounds. May 24, 1995 "Standardized Patient Assessment in the Trauma Room: Improved Research and Care".
  25. Lincoln Middle School, Providence, RI. November 4, 1995. "Math/Science Day for Girls" Workshop Guest Speaker. Women Working in Careers involving Math & Science.
  26. American Heart Association Conference Speaker, Providence, RI. February 7, 1996. Brown University School of Medicine. "Ischemic Stroke in the Era of Managed Care".
  27. University of Wisconsin Medical School - Second Annual Women Medical Student Mentor Program - April 10 - 11, 1996. Visiting Professor - "Women in Surgery".
  28. University of Alberta, Edmonton Canada - May 15 - 18, 1996 - Visiting Professor - "Evidence Based Outcomes Analysis in Neurosurgical Medicine"; Research Day, judge of residents' research papers.
  29. 95th Annual Convention of the American Society of Colon and Rectal Surgeons, Seattle, WA. June 10 - 12, 1996. "Outcomes in Colorectal Surgery - Understanding Outcomes Assessment".
  30. American Academy of Physical Medicine & Rehabilitation 58th Annual Assembly, October 12, 1996 - October 14, 1996, Chicago, IL. "Skiing the Slippery Slopes of Practice Guidelines for Acquired Brain Injury: A multi-specialty report from the Aspen Neurobehavioral Institute: Methodology of Evidence Based Guidelines".

31. University of MA Medical School, New England Trauma Conference, Burlington, MA. November 15, 1996. "The New AANS/CNS Guidelines for Intracranial Hypertension in TBI".
32. American College of Surgeons, New Jersey Chapter, Hospital Liaison Meeting. Verona, New Jersey. "Application of Practice Guidelines, Outcomes Measures and Performance Criteria in Surgery" - Invited Speaker. February 25-26, 1997
33. Miriam Hospital, Critical Care Medicine Fellow Lecture, Providence, RI. 02-28-97 - "Management of Subarachnoid Hemorrhage".
34. Dartmouth Hitchcock Medical College. Hanover, New Hampshire. "Practice Guidelines: The Ultimate in Evidence-Based Medicine" - Visiting Professor. June 12-13, 1997.
35. International Association of Industrial Accident Boards & Commissions (IAIABC) 1997 Annual Convention, Newport, RI. Invited Speaker: "Medical Issues in Workers' Compensation: New Treatment Techniques, Treatment of Failed Backs." October 22, 1997.
36. University of Massachusetts Medical Center, Second Annual New England Regional Trauma Conference, Burlington, MA. Invited speaker: "Prognostic Indicators in Traumatic Brain Injury." November 6, 1997.
37. Lincoln Middle School, Providence, RI. November 8, 1997. "Math/Science Day for Girls" Workshop Guest Speaker. Women Working in Careers involving Math & Science.
38. Medical University of South Carolina, Charleston, South Carolina. Invited speaker: 1) "Scientific basis for acceptable clinical practice -- expectations at the millennium" a.k.a. "Do it now". 2) "The clinician scientist's role in Health Science Research". December 10-12, 1997.
39. Newport Hospital, Newport, Rhode Island. Invited Speaker Grand Rounds: "Evaluation and Monitoring of Head Trauma Patients on Blood Thinners", March 20, 1998.
40. The Miriam Hospital, Providence, RI. Department of Anesthesiology - Invited Speaker. "Peripheral Nerve Consideration in Positioning for Neurosurgery". May 6, 1998
41. The Miriam Hospital, Providence, RI. Department of Orthopedic Surgery - Invited Speaker. "Neurosurgical evaluation of spinal stenosis/arthritis". May 8, 1998
42. Rhode Island Hospital, Brown University, Providence, RI. Neurology Residents - Invited Speaker. "Peripheral Nerve Injury". September 14, 1998

43. Brown University, Brown's Women In Science and Engineering Neuro-Affinity Group (WiSE)- Invited Speaker. "Women and Experiences in Neuro-related Medical Field". May 3, 1999.
44. Rhode Island Hospital, Ninth Annual Peter D. Smith Trauma Seminar. Nursing Professional Development - Invited Speaker. "Head Spinal Cord Research". May 6, 1999
45. Walter Reed Army Medical Center, Washington, D.C. - Visiting Professor - "How to Conduct Journal Club" and "Evidence-Based Medicine". August 30, 1999.
46. American Association of Electrodiagnostic Medicine, Vancouver, Canada - Invited Speaker. "Evidence-Based Medicine and How it Will Affect Electrodiagnostic Medicine in the Coming Years". October 7-9, 1999.
47. Rush University School of Medicine, Chicago, IL – Visiting professor. October/2000.
48. Walter Reed Army Medical Center, Washington, D.C, .Defense Spinal Cord & Column Injury Program Scientific Advisory Board. April 2, 2001.
49. Lincoln Middle School, Providence, RI. "Math/Science Day for Girls", Workshop Guest Speaker: "How I Came to be a Neurosurgeon". May 4, 2001
50. University Hospital Sestre Milosrdince, Dept. of Neurosurgery, Zagreb, Croatia. Hospital operative teaching of new neurosurgical procedures and techniques. November 25 – 29, 2001.
51. Buenos Aires Neurosurgical Society Meeting, Buenos Aires, Argentina . Invited speaker: "Evidence-Based Guidelines in Neurosurgery." November 30-December 10, 2001
52. University Hospital Sestre Milosrdince, Dept. of Neurosurgery,. Hospital operative teaching of new neurosurgical procedures and techniques. Zagreb, Croatia. January 2 – 6, 2002.
53. New York University, Department of Neurological Surgery, "Study Design for the Clinical Neurosciences and Implications for Clinical Practice." New York, NY. January 10-11, 2002
54. NeuroTrauma Foundation Advisory Board. "Guidelines and Outcomes", Salisburgh, Austria March 20 – 25, 2002.
55. EBI Spine Link Course and Seminar. Physician instructor on Cervical SpineLink System. Las Vegas, Nevada. April 25 - 28, 2002.



56. Walter Reed Army Medical Hospital, Dept. of Neurosurgery. “Outcomes Research Study”, Washington, DC. April 29, 2002.
57. Lincoln Middle School, Guest Speaker: “Medicine/Surgeon Options in the Future”. Providence, RI. May 3, 2002
58. University Hospital Sestre Milosrdince, Dept. of Neurosurgery. Hospital operative teaching of new neurosurgical procedures and techniques. Zagreb, Croatia . June 1 – 9, 2002.
59. Walter Reed Army Medical Hospital, Dept. of Neurosurgery. “Outcomes Research Study”, Washington, DC. August 19, 2002.
60. University Hospital Sestre Milosrdince, Dept. of Neurosurgery. Hospital operative teaching of new neurosurgical procedures and techniques. Zagreb, Croatia. September 8-13, 2002.
61. Brain Injury Guidelines. Washington, DC. November 12 – 13, 2002.
62. Walter Reed Army Medical Hospital, Dept. of Neurosurgery. “Outcomes Research Study”., Washington, DC. November 14 – 15, 2002.
63. University Hospital Sestre Milosrdince, Dept. of Neurosurgery. Hospital operative teaching of new neurosurgical procedures and techniques. Zagreb, Croatia . November 16 – 23, 2002.
64. New York Mount Sinai School of Medicine, Visiting Professor. Spinal Trauma Guidelines and collaborative grand rounds surgery/emergency medicine. New York, NY. January 28, 2003.
65. University Hospital Sestre Milosrdince, Dept. of Neurosurgery, Zagreb, Croatia. Hospital operative teaching of new neurosurgical procedures and techniques. February 8-12, 2003.
66. 2003 Annual Scientific Interurban Neurosurgical Society Conference. Guest speaker on “Practice Recommendations for Neurological Surgery: Should We Be in the Guidelines Business?” Chicago, IL. March 7, 2003.
67. Carolinas Spring Neurotrauma Symposium, Spinal Cord Injury: Consensus & Controversies. Keynote speaker-Guidelines for Spinal Cord Injury. Charlotte, NC April 10, 2003.
68. Lincoln Middle School, Guest Speaker: Providence, RI. May 2, 2003.
69. Neurotrauma Conference, Dept. of Neurosurgery, Zagreb, Croatia. November 16-22, 2004

## INVITED PRESENTATIONS – SCIENTIFIC MEETINGS

1. **Walters BC**, Hendrick EB, Hoffman HJ, Humphreys RP: Dermoid cysts of the anterior fontanelle. Pediatric section of the American Association of Neurosurgeons. Meeting., New York, New York, U.S.A., 1980.
2. **Walters BC**, Hoffman HJ, Hendrick EB, Humphreys RP: Cerebrospinal fluid shunt infection: Influences on initial management and subsequent outcome. American Association of Neurological Surgeons. Annual Meeting., Washington D.C., U.S.A., 1983.
3. **Walters BC**: Clinical epidemiologic considerations in the study of CSF shunt infections: A modest proposal. American Association of Neurological Surgeons, Pediatric Section. Annual Meeting., Toronto, Ontario, Canada., 1983.
4. **Walters BC**, Hoffman HJ, Hendrick EB, Humphreys RP: Decreased risk of infection using prophylactic antibiotics in cerebrospinal fluid shunt study: A case-control study. American Association for Neurological Surgeons, Pediatric Section. Annual Meeting., Salt Lake City, Utah, U.S.A., 1984.
5. **Walters BC**, Kondziolka D, Schwartz, ML, McNeill I: The Sunnybrook Neurotrauma Assessment Record: Improving trauma data collection. Royal College of Physicians and Surgeons of Canada. Annual Meeting., Ottawa, Ontario, Canada., 1988.
6. **Walters BC**, Hoffman HJ, Humphreys RP, Hendrick EB: Perioperative antibiotics in CSF shunt surgery: A randomized controlled trial. American Association of Neurological Surgeons. Annual Meeting., Washington D.C., U.S.A., January 1, 1989.
7. **Walters BC**: Process of design of a faculty development project. Educating Future Physicians for Ontario Project, First Annual Invitational Conference., University of Toronto, Toronto, Ontario, Canada., May 3, 1989.
8. **Walters BC**: Current management of facial pain. Toronto Neurology Update, University of Toronto, Toronto, Ontario, Canada., June 1, 1989.
9. **Walters BC**: Current management of facial pain. Toronto Neurology Update, University of Toronto, Toronto, Ontario, Canada., May 8, 1990.
10. **Walters BC**: What is Clinical Epidemiology? American Association of Colon and Rectal Surgeons., Toronto, Ontario, Canada., June 1, 1989.
11. **Walters BC, McNeill I**: Improving the record of patient assessment in the trauma room. Royal College of Physicians and Surgeons of Canada. Meeting-Edmonton, Alberta, Canada. September 1, 1989.

12. **Walters BC:** Educating Future Physicians for Ontario (EFPO) Update: Faculty Development. (CAME Workshops and Group Discussions.) Canadian Association for Medical Education., Annual Meeting., Saskatoon, Saskatchewan, Canada., April 28, 1990 - May 1, 1990.
13. **Walters BC:** Progress report on Component 2 of the EFPO Project. Educating Future Physicians for Ontario Project, Second Annual Invitational Conference., University of Toronto, Toronto, Ontario, Canada., May 3, 1990.
14. **Walters BC:** Faculty development from first principles. Educating Future Physicians for Ontario Project, Third Annual Invitational Conference., University of Western Ontario, London, Ontario, Canada., May 9, 1991
15. Pickering RJ, **Walters BC**, Turnbull JM, LaVigne KJ: Curriculum design in response to societal health care needs: The Educating Future Physicians for Ontario Project. Association of American Medical Colleges, Research in Medical Education Symposium. 102nd Annual Meeting., Washington D.C., U.S.A., November 11, 1991.
16. **Walters BC:** Women in Surgery. Association of American Medical Colleges. 102nd Annual Meeting. Washington D.C. November 11, 1991.
17. **Walters BC:** Development of critical appraisal teaching materials for use in undergraduate medical schools. Educating Future Physicians for Ontario Project, Fourth Annual Conference., University of Ottawa, Ottawa, Ontario, Canada., May 6, 1992
18. **Walters BC:** "Treatment of Cerebrospinal Fluid Shunt Infections: Development of Prognostic Scores for Success or Failure with Various Therapies." Congress of Neurological Surgeons Annual Meeting, Vancouver, British Columbia, Canada, October 2-7, 1993.
19. **Walters BC:** 62nd Annual Meeting of The American Association of Neurological Surgeons. San Diego, CA. April 9 - 14, 1994.
20. **Walters BC:** "Enhancing The Educational & Professional Environment: Are There Gender Issues which are Being Ignored"? - Society of Cardiovascular Anesthesiologists, 1994 Annual Meeting, Montreal, Canada. April 23-27, 1994.
21. **Walters BC:** Brown University Fifth Anniversary of the Clinical Neuroscience Program: "Advances in the Treatment of Neurological Disorders": New Treatment Options -"Indications for Peripheral Nerve Surgery". Newport, Rhode Island. July 8-10, 1994.

22. **Walters BC:** “Methodology for Outcomes Management, Practical Course in Outcomes Analysis in Neurosurgical Practice.” 44th Congress of Neurological Surgeons Annual Meeting. Chicago, Illinois. October 2, 1994.
23. **Walters BC:** Guidelines Development for Neurotrauma Care, Joint Section of Neurotrauma and Critical Care Workshop, Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois. October 5, 1994.
24. **Walters BC:** Association of American Medical Colleges 105th Annual Meeting -: Pushing the Boundaries of Traditional Medical Thinking.” Boston, MA, October 28 - November 3, 1994.
25. **Walters BC:** First Annual Aspen Institute Neurobehavioral Conference, Rehabilitation Institute of Chicago, Brain Injury Program, Aspen, CO. "Guideline Development Methodology". March 29 - April 2, 1995.
26. **Walters BC:** 63rd Annual Meeting of The American Association of Neurological Surgeons. Orlando, FL. April 21 - 27, 1995.
27. **Walters BC:** 45th Annual Meeting of the Congress of Neurological Surgeons, San Francisco, CA. “Management Guidelines for Severe Head Injury - Blessing or Curse? The Guidelines Movement.” October 14-19, 1995. (Invited Speaker)
28. **Walters BC:** American College of Surgeons 81st Annual Clinical Congress, New Orleans, LA. October 23, 1995. “Cost Effective Surgical Care: Global and Local: Evidence-Based Guidelines for Surgical Practice: Marrying the Science to the Art”. (Invited Speaker)
29. **Walters BC:** American College of Surgeons 24th Annual Spring Meeting, New York, NY. April 14-17, 1996. Socioeconomic Panel Discussion, Preparing Your Practice for the 21st Century: “Outcomes Assessment and Practice Patterns” (Invited Speaker)
30. **Walters BC:** The American Association of Neurological Surgeons 64th Annual Meeting, Minneapolis, Minnesota. April 27 - May 2, 1996. Update on Guidelines for Neurosurgery: “Why, How, the Impact and Risks” (Invited Speaker)
31. **Walters BC:** Brain Trauma Foundation, Paris, France. June 6 - 10, 1996. “Prognostic Parameters in Patients with Severe Head Injury: Overview of Evidence Based Guideline Development Process”. (Invited speaker)
32. **Walters BC:** Congress of Neurological Surgeons 1996 Annual Meeting, Montreal, Canada. September 28, 1996 - October 3, 1996. “Outcome Research for Clinical Practice”; “Outcome Analysis in Neurosurgery - Outcome Research Becomes Policy: Practice Parameters”. (Invited speaker)

33. **Walters BC:** American College of Surgeons Clinical Congress 82 Annual Meeting, San Francisco, CA. October 6, 1996 - October 11, 1996. "Development of Practice Guidelines: Concepts and Methodologies - Methodology of Guidelines and Outcomes Studies". (Invited speaker)
34. **Walters BC:** Bayer Satellite Symposium, "Guidelines for the Management of Head Injuries in Europe, Douglas Miller Memorial Meeting", Edinburgh, Scotland. October 14, 1996 - October 17, 1996. "The Guidelines Movement". (Invited speaker)
35. **Walters BC:** Brain Trauma Foundation, W.H.O. Sub-Committee on Neurotrauma, London, UK. November 8, 1996 - November 11, 1996. "Early Indicators of Prognosis in Severe Head Injury, Prognostic Indicators: Severe Head Injury Guidelines". (Invited speaker)
36. **Walters BC:** Joint Section on Disorders of The Spine and Peripheral Nerves Annual Meeting, Newport Beach, CA. "Outcomes Studies Symposium"- (Invited Speaker). "Guidelines Development Tutorial Course" - (Instructor). February 17-23, 1997.
37. **Walters BC:** Third Annual Aspen Institute Neurobehavioral Conference, Rehabilitation Institute of Chicago, Brain Injury Program, Aspen, CO. "Guideline Development Methodology in Brain Injury Outcomes: Outcome Measures." April 2, 1997 - April 6, 1997. (Invited participant).
38. **Walters BC:** 65th Annual Meeting of The American Association of Neurological Surgeons, Denver, CO. 1) "Use of the Exercise Treadmill to Assess Baseline Functional Status and Surgical Outcome in Patients with Lumbar Spinal Stenosis and Neurogenic Claudication", Discussant. 2) "Trauma Guidelines for the Practicing Neurosurgeon", Panelist. 3) Special Symposium III, "Evidence-Based Practice: Science at the Bedside", Moderator. April 12 - 17, 1997. (Invited speaker)
39. **Walters BC:** Brain Trauma Foundation, W.H.O. Committee on Neurotrauma, Seville, Spain. May 12, 1997 - May 18, 1997. "Prognostic Indicators: Severe Head Injury Guidelines." (Invited speaker).
40. **Walters BC:** Congress of Neurological Surgeons 47th Annual Meeting, New Orleans, LA. Speaker: 1) "Clinical Pathways, Guidelines & Outcomes Research: Understanding outcomes measures for the practicing neurosurgeon"; 2) "Current Guidelines for Head Injury: Process of Guidelines Development including Diagnostic Guidelines"; 3) "Stroke: Research Horizons, Outcomes Science and Stroke"; 4) Women In Neurosurgery, Ruth Kerr Jakoby, MD lecturer. September 27, 1997 - October 2, 1997.
41. **Walters BC:** Fourth Annual Aspen Institute Neurobehavioral Conference, Rehabilitation Institute of Chicago, Brain Injury Program, Aspen, CO. "Develop

- evidence-based guidelines and consensus statements after detailed medical literature review and discussions structured within a consensus format.” April 5, 1998 - April 9, 1998. (Invited participant).
42. **Walters BC:** 66th Annual Meeting of The American Association of Neurological Surgeons, Philadelphia, PA. 1) “Trauma Guidelines for the Practicing Neurosurgeon”, (Invited Panelist); 2) “Outcome Analysis of Patients with Myelopathy in The United States: Results of the Cervical Spine Research Society Study”, (Invited Discussant). April 25, 1998 - April 30, 1998.
  43. **Walters BC:** Central European Symposium on Traumatic Brain Injury, Aitken-Soros Head Injury Symposium, Budapest, Hungary. Prognosis Section “*Guidelines for the Management of Severe Head Injury*”. May 23, 1998 - May 29, 1998.
  44. **Walters BC:** Congress of Neurological Surgeons 48th Annual Meeting, Seattle, WA. October 3 - 8, 1998. Scientific Program Committee. Responsible for one of four General Scientific Sessions to be held. 1) General Scientific Session II, “Craniospinal Trauma: The Neurosurgeon’s Domain”, Planner & Moderator; 2) Practical Course: “Outcomes, Guidelines, & Critical Pathways”, (speaker) Course 016: Outcomes, Guidelines & Clinical Pathways for the Practicing Neurosurgeon: In pursuit of value. Speaker (1&2) - Conceptual Framework for Outcome Measurement in Neurological Surgery, 2) Integration of Outcome Measures and Clinical Practice.
  45. **Walters BC:** American Association of Neurological Surgeons 49th Annual Meeting New Orleans, Louisiana. April 24-April 29, 1999. 1) Breakfast Seminar: Trauma Guidelines for the Management of Severe Head Injury - Panelist. 2) Spine Guidelines Course “Methodology on Evidence Based Analysis of the medical literature with regard to development of guidelines for the Joint Section on Disorders of Spine and Peripheral Nerves” for the Joint Section on Disorders of Spine and Peripheral Nerve Guidelines Committee - Instructor.
  46. **Walters BC:** Second Annual Eastern European Traumatic Brain Injury Symposium, Prague, Czech Republic. Aitken Neuroscience Center and the Open Society Institutes of Hungary, Slovakia, Croatia, Slovenia, Czech Republic, Estonia, Latvia, Lithuania and the United States. Symposium of Aitken-OSI Central European Head Injury Initiative. 1) “Evidence-Based Medicine” 2) “Educational Center Development-Guidelines in Action” 3) “Interactive Internet Database”, Speaker. May 21-30, 1999.
  47. **Walters BC:** 3rd World Congress on Brain Injury, “*Search for Solutions*” - Quebec City, Quebec, Canada. Invited Speaker. “How to Develop and use Evidence-Based Guidelines for the Management of Brain Injury”. - June 12-17, 1999.

48. **Walters BC:** 2nd Croatian Neurosurgical Congress Scientific Meeting, Opatija, Croatia. Department of Neurosurgery, Rijeka University Clinical Hospital. Invited speaker. “Minimally Invasive Surgical Treatment of Cervical Disc (both soft and hard)”. October 20 - 25, 1999.
49. **Walters BC:** 49<sup>th</sup> Congress of Neurological Surgeons, Boston, MA. Invited speaker. Scientific Program, “Outcomes Assessment for Spinal Surgery”. October 30 - November 4, 1999.
50. **Walters BC:** 68<sup>th</sup> American Association of Neurological Surgeons, San Francisco, CA. Invited speaker. “Trauma Guidelines for the Management of Severe Head Injury”. April 8 – April 12, 2000.
51. **Walters BC:** Brain Trauma Foundation & International Brain Trauma Foundation meeting: “Fighting the TBI Epidemic: Saving Lives While Saving Costs”. Vienna, Austria. May 18 – 22, 2000.
52. **Walters BC:** 50<sup>th</sup> Anniversary Celebration of the Congress of Neurological Surgeons. Invited speaker. “Outcomes Assessment for Spinal Surgery”; Oral abstract presentation. Observer Variability in the Grading of Glioma Specimens Using Standard Grading Systems”. San Antonio, TX. September 23-28, 2000.
53. **Walters BC:** New England Trauma Conference. Head Injury Guidelines. Invited speaker. November 2000
54. **Walters BC:** 69<sup>th</sup> American Association of Neurological Surgeons, Toronto, Ontario, Canada. Invited speaker: “Evidence Based Approaches to Cerebral Trauma”; Abstract Discussant “Effect of hyperventilation on extracellular levels of glutamate, lactate, pyruvate, and local cerebral blood flow in patients with severe traumatic brain injury” presented by Dr. Donald W. Marion, Practical clinical course: “Evidence Based Medicine”. April 21-26, 2001.
55. **Walters BC:** 51<sup>st</sup> Congress of Neurological Surgeons Annual Meeting , San Diego, CA. Speaker – Scientific Session, “Guidelines for the Management of Acute Traumatic Cervical Spine and Cervical Spinal Cord Injuries”, Speaker – “Guidelines and Outcomes Assessment for Spinal and Cranial Surgery: What is Supported by the Literature is 2001”, Speaker – “Prognostic Indicators of Outcomes from Penetrating Injury”.
56. **Walters BC:** 70<sup>th</sup> American Association of Neurological Surgeons, Chicago, Illinois. Moderator: “The Future of Neurosurgery: Evidence Based Medicine and Outcomes Studies – The Design of a Clinical Study”. Panelist: “Cerebral Trauma: Evidence Based Approaches in Your Practice”. Panelist: Scientific Session. “Spinal Cord Injury: What’s New in 2002”.

57. **Walters BC:** 52<sup>nd</sup> Congress of Neurological Surgeons Annual Meeting , Philadelphia, PA. Moderator: “Spinal Cord Injury Management: Guidelines and New Advances”; Speaker: General Scientific Session: “Guidelines for the Management of Acute Cervical Spine and Spinal Cord Injuries”; Speaker: Entrapment Syndromes Update – “Entrapment Neuropathies of the Lower Limb”. September 20 – 26, 2002.
58. **Walters BC:** American Association of Neurological Surgeons, San Diego, CA. Discussant: “Real time Continuous Intraoperative EMG and SSEP Recordings in a Prospective Study of 225 Patients Undergoing Spinal Surgery: Predictive Value of Electrophysiological Changes in Determining Postoperative Neurological Deficits.” Speaker: “The Future of Neurosurgery: Evidence Based Medicine and Outcomes Studies – The Design of a Clinical Study”. April 26– May 1, 2003.
59. **Walters BC:** Congress of Neurological Surgeons 53<sup>rd</sup> Annual Meeting, Denver, CO. Speaker: General Scientific Session: “Essential Elements of Practice, Patient Care, and Education”, “The Fundamentals of Surgical Thinking: How Medical Evidence Guides Treatment”. Course Director & Moderator Special Course I “Fundamentals of Evidence Based Clinical Practice”, “Critical Analysis: The Basic Tools”. Practical Course Director: “Career Development for Women Neurosurgeons”. October 18 – October 23, 2003.
60. **Walters BC:** American Association of Neurological Surgeons, Orlando, FL. Discussant: Oral Abstract: Scientific Session - Craniotomy for Meningiomas in the United States, 1988-2000: Decreasing Mortality and the Effect of Hospital Volume; Seminar Panelist: Evidence Based Medicine and Outcomes Studies – The Design of a Clinical Study, Patient Assessment & Diagnosis. May 1-6, 2004
61. **Walters BC:** Congress of Neurological Surgeons 54<sup>rd</sup> Annual Meeting, “Bridges to the Future”. San Francisco, CA. Moderator: The Use of Current Guidelines in Neurosurgical Practice. General Scientific Session: Bridging the Gap: Bench to Bedside, Conception to Implementation. Speaker: “Guidelines to Practice Implementation: When is a new idea mature for practice? October 16-21, 2004
62. **Walters BC:** Congress of Neurological Surgeons 55<sup>th</sup> Annual Meeting, Boston, MA. "Quo Vadis? Topics, Theories, Tools, Therapies? CNS Special Award Received: Distinguished Service Award. "This prestigious award is designed to honor the contributions and activities of outstanding individuals and members of the Congress of Neurological Surgeons. This award is based on exceptional service and leadership to the CNS, contributions to the educational mission of the CNS by acting as a mentor, teacher and a professional role model". October 8 – October 13, 2005
63. **Walters BC:** 2005 Trauma and Neuroscience Conference, Conemaugh Health System, University of Pittsburgh, Johnstown, PA. Brain Injuries: Emergency Management of TBI. October 14, 2005.



64. **Walters BC**: 2005 International Brain Injury Symposium, National Brain Injury Research Treatment and Training Foundation. Johnstown, PA. Finding a "Cure" for Brain Injury: Improving Outcomes. October 13-16, 2005.
65. **Walters BC**: Research Update in Neuroscience for Neurosurgeons (RUNN), Woods Hole, MA. "Research Update in Neuroscience for Neurosurgeons"; An introduction to Evidence Based Neurosurgery. October 26, 2005.
66. **Walters BC**: 4th Congress of the Croatian Neurosurgical Society Symposium. Department of Neurosurgery, University of Zagreb, Croatia. Chair, Scientific Session. Peripheral nerve. Zagreb, Croatia. November 6-13, 2005.
67. **Walters BC**: Neuro-resuscitation Study Design: Analyzing Success...And Failure. Methylprednisolone in Spinal Cord Injury. Society for Academic Emergency Medicine Meeting. May 29 - June 1, 2008.
68. **Walters BC**, Coleman WP, Shapiro S, Borgens R, Geisler FH: Comparison of Outcomes of Oscillating Field Stimulation in AIS A Patients to Spontaneous Recovery Alone. American Spinal Injury Association Meeting, June 20-22, 2008.
69. **Walters BC**: Quality Assessment & Quality Assurance In Providing Evidence-Based Care In Severe (GCS<8) Traumatic Brain Injury. 5<sup>th</sup> Congress of the Croatian Neurosurgical Society - Congress of Neurological Surgeons Combined Meeting, Dubrovnic, Croatia, September 2-5, 2008.

## GRANTS

### RESEARCH AND INVESTIGATION

#### Senior Investigators Name Appears in Bold

#### Research Awards

Clinical Epidemiology studies in cerebrospinal fluid shunt infection. **Walters BC**, Sackett DL: The Hospital for Sick Children Foundation (\$40,000 Jan 1984)

Randomized controlled trial of Rifaprim and placebo in cerebrospinal fluid shunt infection. **Walters BC**, Hoffman HJ, Hendrick EB, Humphreys RP: Dow-Merrill (\$18,500 Jan 1984)

Studies for normal pressure hydrocephalus. **Walters BC**, Cooper PC, Keller A, terBrugge K:  
Sunnybrook Trust for Medical Research (\$10,000 March 1988)

The treatment of cerebrospinal fluid shunt infection: Development of a prognostic model of success or failure with various therapies (renewal). **Walters BC**, Humphreys RP: The Hospital for Sick Children Foundation (\$5,000 Jul 1, 1988 -- Jun 30, 1989)

Pilot grant for the development of the proposal for the Educating Future Physicians for Ontario project. **Walters BC**, Neufeld VR, Pickering RJ, Turnbull JM: Associated Medical Services (\$20,000 Jul 1, 1988 -- Jun 30, 1989)

The Educating Future Physicians for Ontario project. **Walters BC**, Neufeld VR, Pickering RJ, Turnbull JM: Associated Medical Services (\$1,150,000 July 1, 1989 -- Jun 1, 1990)

The treatment of cerebrospinal fluid shunt infection: Development of a prognostic model of success or failure with various therapies. **Walters BC**, Humphreys RP: The Hospital for Sick Children Foundation (\$12,000 Dec 1989)

The Educating Future Physicians for Ontario project. (Sunnybrook portion: \$160,000). **Walters BC**, Neufeld VR, Pickering RJ, Turnbull JM: Associated Medical Services/Ministry of Health of Ontario (\$1,000,000 July 1, 1990 -- Jun 30, 1991)

Studies of brain compliance in head-injured patients. **Walters BC**, Reid R, Rowed DW, Schwartz ML, Fazl M: Sunnybrook Trust for Medical Research -Trauma Program (\$20,000 July 1991).

Studies of brain compliance in head-injured patients. **Walters BC**, Reid R, Rowed DW, Schwartz ML, Fazl M: New Technologies Fund -- Sunnybrook Health Science Centre (\$15,000 July 1991).

The treatment of cerebrospinal fluid shunt infection: Development of a prognostic model of success or failure with various therapies (Renewal Grant). **Walters BC**, Humphreys RP: The Hospital for Sick Children Foundation (\$5,000 Jun 1992)

Ontario Critical Care Inventory: Data analysis and summary report of physical, human and technological resources. **Walters BC**, Sibbald WJ, Calvin J, Byrick R: Ministry of Health of Ontario (\$20,000 Jul 1991 -- Jun 1992)

Survey of female fellows of the Royal College of Surgeons of Canada. Mizgala C, MacKinnon SE, **Walters BC**, Ferris LE: Royal College of Physicians and Surgeons of Canada (\$3,000 1991)

Survey of female fellows of the Royal College of Surgeons of Canada. Mizgala C, MacKinnon SE, **Walters BC**, Ferris LE: Associated Medical Services (\$12,000 Dec 1991 -- Jun 1992)

The Educating Future Physicians for Ontario project. (Sunnybrook portion: \$160,000). **Walters BC**, Neufeld VR, Pickering RJ, Turnbull JM: Associated Medical Services/Ministry of Health of Ontario (\$1,000,000 Jul 1991 -- Jun 30, 1992)

The Educating Future Physicians for Ontario project. (Sunnybrook portion: \$82,632). **Walters BC**, Neufeld VR, Pickering RJ, Turnbull JM: Associated Medical Services/Ministry of Health of Ontario (\$764,000 Jul 1992 -- Jun 30, 1993)

Annotated Bibliography of Women in Medicine. **Walters BC**: Ontario Medical Association, Women's Issues Committee. (\$6,000 Jan 1993 -- March 1993)

Survey of Men in Surgery and Women in Medicine. **Walters BC**, Ferris LE: Associated Medical Services. (\$15,000 June 1993 -- Dec 1993) Renewal grant (\$5,000 Jan 1994 -- April 1994)

Survey of Female medical students regarding aspects of clinical rotations, which influence career choices. **Walters BC**: Medical Research Council of Canada/ Association of Canadian Medical Colleges. (\$10,000 May 1993 -- May 1994)

DTC-101 & Critical Appraisal Course for Brown University. Neurosurgical Research and Educational Fund. **Walters BC**, Glantz M.: Memorial Hospital (\$11,000 May, 1995)

## **EDUCATIONAL MONOGRAPHS PRODUCED**

Critical Appraisal under/post-graduate teaching manual. Educating Future Physicians for Ontario -- Teaching Critical Appraisal in Nephrology. **Walters BC**, Manuel MA. The Educating Future Physicians for Ontario project -- Component Two (University of Toronto faculty), Toronto, Ontario. December 1992

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Guide to clinical/teaching/research aspects of the Division. Division of Neurosurgery, Department of Surgery -- Residents' Manual (1993) **Walters BC** Sunnybrook Health Science Centre -- University of Toronto, North York, Ontario. January 1993.

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