

**Jeffrey J. Larson, M.D.**

**Date of Birth**

April 4, 1963, Detroit, Michigan

**Undergraduate Education**

Brother Rice High School, Birmingham, Michigan, Graduated June 1981

University of Michigan, Ann Arbor, Michigan, B.S. Microbiology, 1985

**Graduate Education**

Wayne State University, Detroit, Michigan, M.S. Molecular Genetics, 1987

**Medical School**

University of Cincinnati College of Medicine, M.D., 1991

**Postgraduate Training**

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|-----------|---|
| 1991-1992 | Surgical Internship<br>University of Cincinnati College of Medicine<br>Department of Surgery  |
| 1992-1996 | Neurosurgery Residency<br>University of Cincinnati College of Medicine<br>Department of Neurosurgery and The Mayfield Clinic and Spine<br>Institute |
| 1996-1997 | Chief Resident<br>University of Cincinnati College of Medicine<br>Department of Neurosurgery and The Mayfield Clinic and Spine<br>Institute         |

**Professional Certifications and Licensures**

- Diplomat, National Board of Medical Examiners, 1992
- State of Washington Board of Medical Examiners, 1997
- Diplomat, American Board of Neurological Surgery, 2001
- Idaho State Board of Medicine, 2002

**Hospital Appointments**

- Kootenai Medical Center, Coeur d'Alene, Idaho

- Northwest Specialty Hospital, Post Falls, Idaho

### **Professional Societies**

- American Association of Neurological Surgeons
- Stroke Council of the American Heart Association
- Cerebrovascular Section of the AANS
- North American Spine Society
- Idaho Medical Association

### **Athletic Affiliations**

- United States Rowing Team, Four Man Skulls, 1989
- Neurosurgical Consultant, Marcis Racing, NASCAR Winston Cup #71 Car, NASCAR Winston Cup Crew
- Neurosurgical Consultant, Spokane Chiefs Hockey Club, Canadian Junior Hockey League, Western Hockey League
- Spokane Recreational Hockey League, 1997-2005

### **Professional Honors and Grants**

- American Cancer Society Research Fellowship: 1993-94.
- American Cancer Society Research Fellowship: 1994-95.
- Augustus McCravey Resident's Clinical Science Paper Award, Southern Neurosurgical Society, 1996.

### **Publications**

- *Manuscripts*

- 1: **Larson JJ**, Nicholson A, Siegel A: Field inversion of large DNA fragments using an inexpensive unit. **Biotechniques** **5(3)**:288, 1987
- 2: Michalewicz J, Hsu E, **Larson JJ**, Nicholson A: Physical map and genetic early region of the T7-related coliphage BA14. **Gene** **98(1)**:89-93, 1991
- 3: **Larson JJ**, Tew JM Jr, Wiot J, *et al*: Association of meningiomas with dural “tails”: Surgical significance. **Acta Neurochir** **114**:59-63, 1991
- 4: Shinoura N, Heffelfinger SC, Miller M, Shamraj OI, C.Miura NH, **Larson JJ**, De Tribolet N, Warnick RE, Tew JM Jr, Menon AG: RNA expression of complement regulatory proteins in human brain tumors. **Cancer Letters** **86**:143-149, 1994

- 5: **Larson JJ**, Tew JM Jr., Tomsick TA, van Loveren HR: Treatment of aneurysms of the internal carotid artery by intravascular balloon occlusion: Long-term follow-up of 58 cases. **Neurosurgery** **36**:1-8, 1995
- 6: **Larson JJ**, van Loveren HR, Balco MG, Tew JM Jr. Evidence of meningioma invasion into cranial nerves; clinical implications for skull base meningiomas. **J Neurosurg** **83**:596-599, 1995
- 7: **Larson JJ**, Tew JM Jr, Simon M, Menon AG. Evidence for clonal spread in the development of multiple meningiomas. **J Neurosurg** **83**:705-709, 1995
- 8: Simon M, von Deimling A, **Larson JJ**, Wellenreuther R, Kaskel P, Waha A, Warnick RE, Tew JM Jr., Menon AG. Allelic losses on chromosomes 14, 10, and 1, in atypical and malignant meningiomas: A genetic model of meningioma progression. **Cancer Research** **55**:4696-4701, 1995
- 9: Lewis AI, **Larson JJ**, Crone KR. Endoscopic treatment of complex hydrocephalus. **Techniques in Neurosurgery** **1(3)**:168-175, 1995
- 10: Shinoura N, Paradies NE, Warnick RE, Chen H, **Larson JJ**, Tew JM Jr, Simon M, Lynch RA, Kanai Y, Hirohashi S, Hemperly JJ, Menon AG, Brackenbury R. Expression of N-cadherin and a-catenin in astrocytomas and glioblastomas. **British Journal of Cancer** **72**:627-633, 1995
- 11: Shinoura N, Chen L, Wani MA, Kim YG, **Larson JJ**, Warnick RE, Simon M, Menon AG, Bi WL, Stambrook PJ: Protein and mRNA expression of connexin 43 in astrocytomas. Implications in brain tumor gene therapy. **J Neurosurg** **83**:839-846, 1996
- 12: Tomsick TA, van Loveren HR, Tew JM, Jr., **Larson JJ**, Earnst R, Khoury J. Delayed Complications of Balloon Occlusion of the Internal Carotid Artery for Unclippable Aneurysm. **Journal of Neurovascular Disease** **2**:64-67, 1997
- 13: **Larson JJ**, Ball WS, Bove KE, Crone KR, Tew JM, Jr. Formation of intracerebral cavernous malformations after brain radiation treatment for CNS neoplasia in children. **J Neurosurg** **88**:51-56, 1998
- *Abstracts*
- 14: **Larson JJ**, van Loveren HR, Balco MG, Tew JM Jr. Evidence of meningioma invasion into cranial nerves; clinical implications for skull base meningiomas. **J Neurosurg** **82**:360A, 1995

- 15: **Larson JJ**, de Tribolet N, Tew JM Jr, van Loveren HR, Warnick RE, Balko MG, Menon AG. Evidence for the Clonal Origin of Primary and Recurrent Meningiomas. **J Neurosurg** **82**:346A, 1995
- 16: **Larson JJ**, van Loveren HR, Tew JM Jr. Evidence of meningioma invasion into cranial nerves; clinical implications for skull base meningiomas. **Skull Base Surgery** **5(1)**: 12-13, 1995
- 17: **Larson JJ**, Simon M, van Loveren HR, Tew JM Jr., Menon AG. Molecular genetic analysis of dural tail meningiomas: surgical significance. **Skull Base Surgery** **5(1)**:8, 1995
- 18: **Larson JJ**, Tew JM Jr., Warnick RE, Menon AG. Evidence for Clonal Spread in the Development of Multiple Meningiomas. **Cincinnati BTRC Newsletter** **1(9)**:5, 1995
- 19: **Larson JJ**, Tew JM Jr., Tomsick TA, van Loveren HR. Treatment of Aneurysms of the Internal Carotid Artery by Intravascular Balloon Occlusion: Long-Term Follow-up of 58 Patients. **Yearbook of Neuroradiology**, 1995
- 20: **Larson JJ**, Crone KR. Formation of Intracerebral Cavernous Malformations After Brain Radiation Treatment for CNS Neoplasia in Children. **J Neurosurg** **84**:346-347A, 1996
- 21: **Larson JJ**, Berninger JP, Miller MN, Koch BL, Crone KR. Posterior Fossa Decompression without Dural Opening Restores Cerebrospinal Fluid Flow in Patients With Chiari I Malformation Without Syrinx. **J Neurosurg** **84**:356A, 1996
- 22: **Larson JJ**, Tew JM, Jr., van Loveren HR, Tomisick TA. Delayed Complications after Permanent Balloon Occlusion of the Internal Carotid Artery (ICA) for Treatment of Aneurysms of the ICA. **J Neurosurg** **86**:364A, 1997
- *Reviews*
- 23: **Larson JJ**, Tew JM Jr.; Acute subdural hematoma caused by a ruptured giant intracavernous aneurysm: case report. **Neurosurgery** **38**:392, 1996.
- 24: **Larson JJ**, van Loveren HR, Balco MG, Tew JM Jr.; Cavernous Sinus of Lateral Sellar Compartment. **J Neurosurg** **85**:190-191, 1996
- 25: **Larson JJ**, Tew JM Jr.; Traumatic Indirect Carotid-Cavernous Fistula: Report of Two Cases. **Neurosurgery** **39**:1238, 1996

- *Chapters*

- 26: **Larson JJ**; Neurosurgical Emergencies. **Mont Reid Surgical Handbook, Fourth Edition**. Mosby. 264-283, 1997
- 27: **Larson JJ**, Warnick RE, Tew JM Jr.; Use of Operating Arm System in Skull Base Surgery. **AANS Neurosurgical Operative Atlas, 8:79-85**, 1999
- 28: **Larson JJ**, Crone KR. Posterior fossa decompression without dural opening restores cerebrospinal fluid flow in patients with Chiari I malformation without syrinx. **AANS Neurosurgical Operative Atlas**
- 29: **Larson JJ**, Tew JM Jr.; Intraventricular Meningiomas. **Operative Neurosurgery**.
- *Other*
- 30: **Larson JJ**; Tips to help you avoid downcoded claims. **Medical Office Compliance Alert, 1(9):65-66**, 2001

#### **Presentations and Scientific Exhibits**

1. Derivation of a restriction map for phage BA14. *Wayne State University Masters of Science Thesis Defense*. Detroit, Michigan. May 12, 1987.
2. Combining International Sports Competition with Medical School. *St. Mary's Preparatory School*. Orchard Lake, Michigan. March 14, 1988.
3. Association of meningiomas with dural "tails": surgical significance. *American Association of Neurological Surgeons*. San Diego, California. Poster: 1992.
4. Treatment of aneurysms of the internal carotid artery by intravascular balloon occlusion: report of 58 cases. *Southern Neurosurgical Society Meeting*. Williamsburg, Virginia. Platform presentation: April 2, 1993.
5. The Acute Management of Head Injuries in Athletes. *Sideline Survival, Sports Medicine Meeting*. Cincinnati, Ohio. August 19, 1994.
6. Research During Neurosurgical Residency. *University of Cincinnati M.D.-Ph.D. Program*. Cincinnati, Ohio. August. 1994.
7. Concussions and Secondary Impact Syndrome in Athletes. *Ohio High School Athletic Association*. Cincinnati, Ohio. November 7, 1995.

8. Management of meningiomas involving the cavernous sinus. *North American Skull Base Society Meeting*. Naples, Florida. Platform presentation with MG O'Sullivan: February. 1995.
9. Molecular genetic analysis of dural tail meningiomas: surgical significance. *North American Skull Base Society Meeting*. Naples, Florida. Platform presentation: February. 1995.
10. Evidence of meningioma invasion into cranial nerves: clinical implications for cavernous sinus meningiomas. *North American Skull Base Society Meeting*. Naples, Florida. Platform presentation: February. 1995.
11. Investigating the cell cycle regulator p15/MTS2 as a potential tumor suppressor gene in human CNS tumors. *American Association of Cancer Research*. Toronto, Canada. Platform presentation with M. Simon: March 20, 1995.
12. Evidence for the clonal origin of primary and recurrent meningiomas and their malignant progression. *American Association of Neurological Surgeons Annual Meeting*. Orlando, Florida. Platform presentation: April 24, 1995.
13. Evidence of meningioma invasion into cranial nerves; clinical implications for skull base meningiomas. *American Association of Neurological Surgeons Annual Meeting*. Orlando, Florida. Platform presentation: April 26, 1995.
14. Evidence for clonal spread in the development of multiple meningiomas. *11th International Meeting on Brain Tumor Research and Therapy*. Napa, California. October 31, 1995.
15. Concussion and Secondary Impact syndrome in Athletes. *Ohio Highschool Athletic Association*. Cincinnati, Ohio. November 7, 1995.
16. Establishing Guidelines for the Evaluation and Management of Head Injuries in Hockey Players; Returning a Player to Competition. *Annual Meeting of the International Hockey League Medical Association*. Houston, Texas. January 13, 1996.
17. Head and Neck Injuries in the Athlete. *Southern Ohio Firefighter and EMS School*. Wilmington, Ohio. March 16, 1996.
18. Formation of Intracerebral Cavernous Malformations After Brain Radiation Treatment for CNS Neoplasia in Children. *The Augustus McCravey Resident's Clinical Science Paper Award at the Southern*

*Neurosurgical Society Meeting*. Miami, Florida. Platform presentation: March 29, 1996.

19. Posterior Fossa Decompression without Dural Opening Restores Cerebrospinal Fluid Flow in Patients With Chiari I Malformation Without Syring. *Southern Neurosurgical Society Meeting*. Miami, Florida. Platform presentation: March 29, 1996.
20. Neuroendoscopy: Indications, Techniques, and Instrumentation. Practical Course. *Association of Neurological Surgeons Annual Meeting*. Minneapolis, Minnesota. April 27, 1996.
21. Defining the Limits of Resectability of Skull Base Meningiomas. Breakfast Seminar. *Association of Neurological Surgeons Annual Meeting*. Minneapolis, Minnesota. April 29, 1996.
22. Formation of Intracerebral Cavernous Malformations After Brain Radiation Treatment for CNS Neoplasia in Children. *American Association of Neurological Surgeons Annual Meeting*. Minneapolis, Minnesota. Plenary Session: April 30, 1996.
23. Posterior Fossa Decompression without Dural Opening Restores Cerebrospinal Fluid Flow in Patients With Chiari I Malformation Without Syring. *American Association of Neurological Surgeons Annual Meeting*. Minneapolis, Minnesota. Platform presentation: April 30, 1996.
24. Cost-effective Analysis of Treatment Protocols for high School Sports-related Spinal Cord Injury without Radiographic Abnormality. *Sports Related Concussion and Nervous System Injuries*. Orlando, Florida. Platform presentation. February 9, 1997.
25. Late Complications of Endovascular Balloon Occlusion Treatment for Unclippable Internal Carotid Artery Aneurysms. *American Association of Neurological Surgeons Annual Meeting*. Plenary Session: April 15, 1997.
26. Guidelines for the Treatment of Cerebral Concussions in Athletes. *Mayfield Clinic and The Cleveland Clinic Winter Symposium*. Snowmass, Colorado. February, 1998
27. Contemporary Management of Cerebral Aneurysms. *Washington Association of Surgical Technologists annual Spring Symposium*. April, 1998.
28. Contemporary Management of Cerebrovascular Diseases. *Spokane Surgical Society Annual Meeting*. April. 1998.

29. Contemporary Management of Lower Back Pain. *The Big Mountain Medical Review Meeting*. January. 1999
30. Head Protection in Athletics. *American College of Sports Medicine, 46<sup>th</sup> Annual Meeting*. June. 1999
31. Multilevel Lumbar Interbody Fusions, Indications. *Sulzer-Spinetech Annual Meeting*. July. 1999
32. Closed Head Injury, Neurosurgical Treatment. *Trauma Care in the New Millenium*, Spokane, Washington. February. 2000.
33. Disorders of the Spine Meeting, Moderator, Whistler, British Colombia, January, 2008