

**Matthew E. Fewel, M.D.**  
**Columbia Neurosurgery & Spine, PLLC**  
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**Personal:** Born Greeley, Colorado  
Spouse (Misty), Children (Hannah, Ben, Carter)

**Education:**

Secondary School: Interlake Senior High School, Bellevue, Washington, Graduated June 1986

Undergraduate: University of Washington, Seattle, Washington  
Bachelor of Arts in Business Administration, June 1990  
Cumulative GPA 3.81, Magna Cum Laude

Post-Baccalaureate: University of Washington, Seattle, Washington, 1992 - 1993  
Bellevue Community College, Bellevue, Washington, 1992  
Pre-Medicine, Cumulative GPA 3.97

Medical School: University of Southern California School of Medicine, Los Angeles, CA  
August 1994 - May 1998, Doctor of Medicine with Highest Distinction

Internship: University of Michigan Health System, Ann Arbor, Michigan  
Department of General Surgery June 24, 1998 - June 30, 1999  
Chairman: Lazar Greenfield, MD

Residency: University of Michigan Health System, Ann Arbor, Michigan  
Department of Neurosurgery July 1, 1999 – June 30, 2005  
Chairman: Julian T. Hoff, MD

**Honors/Awards:**

Undergraduate: Boeing Company Academic Scholarship, 1988-89, 1989-90  
Beta Gamma Sigma - Top 5% of Business School  
Business School Dean's List, 1988-89, 1989-90

Post-Baccalaureate: Strahl Caverly Scholarship - Volunteer Department, Children's Hospital &  
Medical Center, Seattle, Washington, 1992-93

Medical School: AMA-ERF Achievement Award - Top medical student in clinical years  
Merck Manual Award – One of top 4 students in basic science years  
Dean’s Scholar, 1994-98  
Junior AOA 1997, AOA Vice President USC Chapter, 1997-98

Residency: Resident Award for Outstanding Research, Annual Meeting Michigan  
Association Neurological Surgeons, Ypsilanti, MI, June 28, 2003

**Board Scores:**

USMLE Step 1 (6/96): 245 (99<sup>th</sup> percentile)  
USMLE Step 2 (3/98): 258 (99<sup>th</sup> percentile)  
USMLE Step 3 (5/99): 232

American Board of Neurological Surgery Primary Examination (3/03): 612 (95<sup>th</sup> percentile)

**Research/Publications:**

**Chapters:**

1. Fewel ME, Gebarski SS, Hoff JT: Skull Tumors, in Winn HR (ed): Youmans Neurological Surgery – 5<sup>th</sup> edition. WB Saunders, Philadelphia, PA 2004; pp. 1383-1408.
2. Fewel ME, Levy ML, McComb JG: Complications Related to the Surgical Treatment of Arachnoid Cysts, in Kaufman HH (ed): *AANS Neurosurgical Topics: Cerebrospinal Fluid Collections* 1998; pp. 139-147.

**Journal Articles:**

1. Hua Y, Tang L, Keep RF, Schallert T, Fewel ME, Muraszko KM, Hoff JT, Xi G. The role of thrombin in gliomas. *J Thromb Haemost* 2005; 3: 1917–23.
2. Hua Y, Tang L, Fewel ME, Keep RF, Schallert T, Muraszko KM, Hoff JT, Xi G: Systemic use of argatroban reduces tumor mass, attenuates neurological deficits and prolongs survival time in rat glioma models. *Acta Neurochir (Suppl)* 2005; 95: 403-406.
3. Fewel ME, Garton HJ: Migration of distal ventriculoperitoneal shunt catheter into the heart: Case report and review of the literature. *J Neurosurg (Pediatrics 2)* 2004; 100: 206-211.
4. Xi G, Fewel ME, Hua Y, Thompson BG, Hoff JT, Keep RF: Intracerebral hemorrhage: Pathophysiology and therapy. *Neurocritical Care* 2004; 1: 5-18.

5. Fewel ME, Park P: The emerging role of recombinant-activated factor VII in neurocritical care. *Neurocritical Care* 2004; 1: 19-30.
6. Fewel ME, Thompson BG, Hoff JT: Spontaneous intracerebral hemorrhage: a review. *Neurosurgical Focus* 2003; 15(4) Article 1: 1-16.
7. Park P, Fewel ME, Garton HJ, Thompson BG, Hoff JT: Recombinant activated factor VII for the rapid correction of coagulopathy in non-hemophilic neurosurgical patients. *Neurosurgery* 2003; 53: 34-39.
8. Fewel ME, Levy ML, McComb JG: Surgical treatment of 95 children with 102 intracranial arachnoid cysts. *Pediatric Neurosurgery* 1996; 25: 165-173.

**Oral abstracts:**

1. Fewel ME, Park P, Garton HJ, Thompson BG, Hoff JT: Recombinant activated factor VII for the rapid treatment of coagulopathy in non-hemophilic neurosurgical patients. 53rd Annual Meeting of the Congress of Neurological Surgeons, Denver, CO, October 22, 2003.
2. Fewel ME, Hua Y, Xi G, Tang L, Keep RF, Muraszko KM, Hoff JT: Systemic use of argatroban reduces tumor mass, attenuates neurological deficits, and prolongs survival time in rat glioma models. Annual Meeting of the Michigan Association of Neurological Surgeons, Ypsilanti, MI, June 28, 2003.
3. Fewel ME, Levy ML, McComb JG: Treatment options in the management of arachnoid cysts. 24th Annual Meeting of the Section on Pediatric Neurological Surgery of the American Association of Neurological Surgeons, Pasadena, CA, December 7, 1995.

**Poster abstracts:**

1. Fewel ME, Harrigan MR, Thompson BG: Improved cerebral blood flow and cerebrovascular reserve after EC-IC bypass in patients with hemodynamic insufficiency demonstrated by xenon-CT. 2004 AANS Annual Meeting, Orlando, FL, May 3, 2004.
2. Fewel ME, Park P, Garton HJL: The emerging role of recombinant activated factor VII in neurocritical care. 2004 AANS Annual Meeting, Orlando, FL, May 3, 2004.
3. Tang L, Xi G, Fewel ME, Keep RF, Muraszko KM, Hoff JT, Hua Y: Systemic use of argatroban reduces tumor mass, attenuates neurological deficits, and prolongs survival time in rat glioma models. Program# 752.5. 33<sup>rd</sup> Annual Meeting Society for Neuroscience, New Orleans, LA, November 11, 2003.

4. Fewel ME, Thompson BG: Contralateral STA-ACA bypass for fusiform right A2 segment aneurysm using a radial artery interposition graft from the left STA to right A2 segment: Technical case report. 2003 Joint Annual Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology, Phoenix, AZ, February 16, 2003.
5. Fewel ME, Thompson BG: Embolectomy of a balloon embolus to the left middle cerebral artery: case report and review of the literature. 2003 Joint Annual Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology, Phoenix, AZ, February 16, 2003.
6. Fewel ME, Levy ML, McComb JG: A review of the surgical treatment of 80 children with intracranial arachnoid cysts. 64th Annual Meeting of the American Association of Neurological Surgeons, Minneapolis, MN, April 27, 1996.

**Professional Organizations:**

Congress of Neurological Surgeons (1999)  
American Association of Neurological Surgeons (1999)  
Benton-Franklin County Medical Society (2005)  
The Neurological Resource Center, Board Member, Richland, Washington (2006)

**Licenses:**

DEA# BF7560229 issued 09-13-04  
Washington Medical License MD00044896 issued 04-20-05  
Michigan Medical License 4301072409 issued 01-31-05, expires 01-31-08

**Courses:**

WSMA Leadership Conference, May 19-20, 2006, Lake Chelan, WA.  
Review & Update in Neuroscience for Neurosurgeons, Oct 27-Nov 3, 2003, Woods Hole, MA.  
3<sup>rd</sup> Annual Cervical Spine Study Group Resident Instructional Course, May 15-18, 2003, Colorado Springs, CO.  
41<sup>st</sup> Annual AFIP Neuropathology Review Feb 24-28, 2003, Bethesda, MD.  
18<sup>th</sup> Annual AFIP Neuroradiology Course Feb 22-23, 2003, Bethesda, MD.  
Chicago Review Course in Neurological Surgery Jan 1-Feb 9, 2003, Chicago, IL.  
Anspach Neurosurgical Skull Base Course, July 19-20, 2002, Palm Beach, FL.

**Previous Work Experience:**

Research Assistant, 1995 - 1998 (part-time)  
University of Southern California Department of Preventive Medicine, Los Angeles, California

Database management/design, questionnaire development for study of electromagnetic fields and breast cancer risk. Investigators: John Peters, MD & Stephanie London, MD.

Research Assistant, 1993 – 1994

Children's Hospital & Medical Center, Seattle, Washington

Managed clinical database of over 1,000 patients with neural tube defects for the International Myelodysplasia Study Group. Worked under Dr. David Shurtleff, Chief of Birth Defects, Division of Congenital Defects.

Computer Sales/Service Representative, 1992

U.S. Micro Express, Bellevue, Washington

Computer Marketing Representative, 1990 – 1991

Triad Systems Corporation, Livermore, California

Accounting Assistant, 1988 - 1989

Holland America Line Westours, Seattle, Washington