

Curriculum Vitae

Name: Ryan P. Jewell, M.D.
Address: Division of Neurosurgery
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Current Position:

2007-present Assistant Professor
Division of Neurosurgery
University of Vermont/Fletcher Allen Health Care

Education:

August 1991 – May 1995 University of Notre Dame
BS
August 1995 – May 1999 University of Vermont School of Medicine
MD
July 1999 – June 2000 Surgical Internship
Fletcher Allen Health Care
University of Vermont
July 2000 – June 2006 Neurosurgical Residency
Fletcher Allen Health Care
University of Vermont
July 2006 – June 2007 Neurosurgical Spine Fellowship
University of Alabama at Birmingham

Honors and Awards:

1995–1999 University of Vermont College of Medicine Honors Awards

Surgery Clerkship
General Surgery A.I.
Plastic Surgery A.I. (Unofficial)
Vascular Surgery A.I.
Anatomy
Psychiatry Clerkship

1999 University of Vermont College of Medicine
H. Gordon Page Award for Excellence in Surgery

Committees and Administrative Service:

2007-present Quality Assurance Officer, University of Vermont
2007-present Resident Education Committee, University of Vermont
2007-present Instructor: Spinal Instrumentation Workshop for Residents.
Cadaver lab. Fall and Spring.
2008 Named to 2009 ANS/CNS Annual Joint Spine Section Scientific
Committee, Phoenix, AZ.
2009-present New England Neurosurgical Society

Courses:

2001 Armed Forces Institute of Pathology (AFIP) Neuropathology Course,
Bethesda, MD
2001 Research Update in Neuroscience for Neurosurgeons (RUNN Course),
Woods Hole, MA
2003 University of Vermont Skull-base Surgery Course, Burlington, VT
2004 Anspach Skull-base Surgery Course, Palm Beach, FL
2005 Stryker Spine Fellow Boot Camp, New York, NY
2008 Scoliosis Surgery Course, Las Vegas, NV
2008 Minimally Invasive Spine Surgery Course, Raynam, MA

Research:

- 2008 Involved in Multi-Center Randomized Trial for Spinal Cord Injury with drug Cethrin (Alseres)
- 2008 Clinical Outcomes Study for Cervical Fusion with Uniplate. Depuy Spine, Raynam, MA

Publications:

Jewell RP, Saundry CM, Bonev AD, Tranmer BI, Wellman GC: Inhibition of CA⁺⁺ sparks by oxyhemoglobin in rabbit cerebral arteries. **J Neurosurg** 100(2):259-302, 2004

Posters:

Ishiguro M, Puryear CP, Bisson E, Jewell R, Nathan DJ, Tranmer BI, Wellman GC: Molecular mechanisms of triple H therapy in the treatment of SAH-induced vasospasm. Proceedings of the **International Symposium on Cerebrovascular Surgery and Vasospasm, Chongqing, 2003**

Presentations & Abstracts:

Jewell R: Fat necrosis in TRAM flaps: assessing occurrence and location in a young surgeon's practice – is it technique, experience or blood flow? New England Cancer Society Annual Meeting, Worcester, MA, 1998

Jewell R: Fat necrosis in TRAM flaps: assessing occurrence and location in a young surgeon's practice – is it technique, experience or blood flow? Northeastern Society of Plastic Surgeons, Newport, RI, 2001

Jewell R: Blunt vertebral artery trauma. Neuroscience Grand Rounds, University of Vermont, 2001

Jewell R: Trigeminal neuralgia: an evidence-based review. Neuroscience Grand Rounds, University of Vermont, 2002

Jewell R: The role of oxyhemoglobin in the genesis of vasospasm. Neuroscience Grand Rounds, University of Vermont, 2002

Jewell R: The effects of oxyhemoglobin on calcium sparks in rabbit cerebral vessels. Maine Medical Center, Portland, ME, 2002

Jewell R: Spine radiology. Maine Medical Center/Stryker Nursing Spine Care Symposium, South Portland, ME, 2003

Ishiguro M, Puryear CP, Bisson E, Jewell R, Nathan DJ, Tranmer BI, Wellman GC: Molecular mechanisms of triple H therapy in the treatment of SAH-induced vasospasm. Proceedings of the International Symposium on Cerebrovascular Surgery and Vasospasm, Chongqing, 2003

Jewell R: Wandering through vagal nerve stimulation. Neuroscience Grand Rounds, University of Vermont, 2003

Saundry CM, Jewell RP, Tranmer BI, Wellman GC: Oxyhemoglobin contracts cerebral arteries through inhibition of Ca^{2+} sparks. FASEB J. 17(4): A45, 2003

Jewell R: Surgical approaches to thoracic disc herniation. Department of Surgery Morbidity and Mortality, University of Vermont, 2005

Jewell R: History and current state of disc arthroplasty. Department of Surgery Grand Rounds, University of Vermont, 2006

Jewell R: Artificial disc: fact or fiction? Neuroscience Grand Rounds, University of Vermont, 2006

Jewell R: Contemporary management of spinal cord injury. Neuroscience Grand Rounds, University of Vermont, 2007

Jewell R: Introduction to field of neurosurgery. Neuroscience Interest Group, University of Vermont, 2008

Jewell R: Resuscitation for Head Injured Patient. Joint conference between the Surgery Conference and the Emergency Medicine Conference, Stowe, VT, 2010

Community:

2007-present 2-4th Grade Lacrosse Team Coach

2007-present Fletcher Allen Health Care Community Internship Mentor