

**Robert J. Wienecke, M.D.**  
**Curriculum Vitae**

**Education**

1991-1994 University of Colorado (Dean's Academic Scholarship), Boulder, CO.

1994-1998 M.D. University of Oklahoma (Alpha Omega Alpha), Oklahoma City, OK.

1998-1999 Intern (Surgery), University of Oklahoma Medical Center, Oklahoma City, OK.

1999-2004 Resident (Neurosurgery), University of Oklahoma Medical Center, Oklahoma City, OK.

2004 Spine Fellowship, Northwestern Memorial Hospital, Chicago, IL.

**Publications**

Hsieh P, Ondra S, Wienecke R, O'Shaughnessy B, Koski T: A novel approach to sagittal balance restoration following iatrogenic sacral fracture and resulting sacral kyphotic deformity. Technical note. *Journal of Neurosurgery: Spine* 6 (4): 368-372, 2007.

Baron E, Bhattacharjee S, Wienecke R, Loftus C: Arteriovenous Malformations in Pregnancy, in Stieg P, Batjer H, Samson D (eds.): *Intracranial Arteriovenous Malformations*. New York, Informa Healthcare USA, 2007.

Snell B, Wienecke R, Loftus C: Surgical Treatment of Extracranial Vascular Occlusive Disease, in Lawton M, Gress D, Higashida R (eds.): *Controversies in Neurological Surgery*. New York, Thieme, 2006.

Snell B, Wienecke R, Loftus C: Surgical Management Options to Prevent Ischemic Stroke, in Adams H (ed.): *Handbook of Cerebrovascular Diseases*. New York, Marcel Dekker, 2005.

Wienecke R, Loftus C: A Case of Carotid Artery Reconstruction, in Kobayashi S (ed.): *Neurosurgery of Complex Vascular Lesions and Tumors*. New York, Thieme, 2005.

Hsieh P, Wienecke R, O'Shaughnessy B, Koski T, Ondra S: Surgical strategies for vertebral osteomyelitis and epidural abscess. *Neurosurgical Focus* 17 (6): 1-6, 2004.

Cooper P, Wienecke R, White B: Spinal Meningiomas, in Batjer H, Loftus C (eds.): *Textbook of Neurological Surgery*. Philadelphia, Lippincott Williams and Wilkins, 2003.

Wienecke R, Loftus C: Cerebellar Hematoma, in Aminoff M, Daroff R (eds.): *Encyclopedia of the Neurological Sciences*. San Diego, Academic Press, 2003.

Wienecke R, Loftus C: Multilevel anterior cervical discectomy and fusion for cervical spondylotic myelopathy, in Fisher W, Paramore C, Wolfla C (eds.): *Seminars in Neurosurgery*. New York, Thieme, March 2003.

### **Presentations**

Wienecke R: Cranial settling in rheumatoid arthritis. Neurosurgery Grand Rounds June 23, 2000.

Wienecke R: Cervical Laminoplasty. Neurosurgery Grand Rounds August 4, 2000.

Wienecke R: Encephalocele. Neurosurgery Grand Rounds August 25, 2000.

Wienecke R: The surgical treatment of Parkinson's disease. Neurosurgery Grand Rounds November 3, 2000.

Wienecke R: The surgical management of moyamoya syndrome. Neurosurgery Grand Rounds May 4, 2001.

Wienecke R, Snell B, Tompkins P, Stevens A, Loftus C: Changes in energy-related metabolites following middle cerebral artery occlusion in rats. Resident Research Forum May 25, 2001.

Wienecke R, Loftus C: Causes of intracerebral haemorrhage in patients under 45: Investigations and management. Sydney, Australia September 2001.

Wienecke R, Snell B, Tompkins P, Stevens A, Loftus C: Changes in energy-related metabolites following focal cerebral ischemia in spontaneously hypertensive rats. Southern Neurosurgical Society Annual Meeting, Savannah, Georgia March 7, 2002.

Francel P, Tompkins P, Phelps J, Wienecke R: Treatment of cerebral fluid-percussion injury with indomethacin. Southern Neurosurgical Society Annual Meeting, Savannah, Georgia March 9, 2002.

Wienecke R: Extracranial carotid artery reconstruction. Neurosurgery Grand Rounds October 4, 2002.

Wienecke R: The early surgical management of myelomeningocele. Neurosurgery Grand Rounds September 5, 2003.

Wienecke R: Radiographic assessment of spinal deformity: part 1. Spine Conference July 15, 2004.

Wienecke R: Radiographic assessment of spinal deformity: part 2. Spine Conference July 22, 2004.

Wienecke R. Scheuermann Disease. Spine Conference August 24, 2004.

Wienecke R: Biomechanical basics. Spine Conference September 2, 2004.

Wienecke R. Bone grafting. Spine Conference September 23, 2004.

Wienecke R. rhBMP-2. Spine Conference October 7, 2004.

Wienecke R. Intraoperative monitoring for spinal deformity surgery. Spine Conference November 18, 2004.

Wienecke R. Charite prosthetic disc. Spine Conference October 14, 2004.

Wienecke R. The surgical management of flat-back deformity. Spine Conference December 16, 2004.

Wienecke R. The surgical management of flat-back deformity. Insurance Commission Seminar April 7, 2005.

Wienecke R. Posterior Cervical Fusion: New Techniques and Complication Avoidance. Insurance Commission Seminar April 13, 2006.

Wienecke R. Kyphoplasty. Association of Perioperative Registered Nurses CME Seminar. May 10, 2007.

Wienecke R. Spondylolisthesis. Worker's Compensation Seminar. April 23, 2009.

### **Abstracts**

Wienecke R, Tompkins P, Stevens A, Loftus C: Extracellular pyruvate and lactate concentrations before and after intraluminal middle cerebral artery occlusion in rat brain. Congress of Neurological Surgeons September 29, 2001.

Wienecke R, Francel P, Tompkins P: Extracellular hypoxanthine, inosine, and adenosine concentrations before and after a fluid percussion injury in rat brain. AANS/CNS Cerebrovascular Joint Section Meeting February 3, 2002.

Wienecke R, Snell B, Tompkins P, Stevens A, Loftus C: Changes in energy-related metabolites following focal cerebral ischemia in spontaneously hypertensive rats. Southern Neurosurgical Society Annual Meeting, Savannah, Georgia March 7, 2002.

Francel P, Tompkins P, Phelps J, Wienecke R: Treatment of cerebral fluid-percussion injury with indomethacin. Southern Neurosurgical Society Annual Meeting, Savannah, Georgia March 9, 2002.

Tompkins P, Francel P, Phelps J, Wienecke R: Changes in cerebral perfusion and high-energy metabolites in response to fluid percussion injury. National and International Neurotrauma Society Meeting, Tampa, Florida October 27, 2002.

Tompkins P, Phelps J, Wienecke R, Francel P: Indomethacin pre-treatment of a cerebral fluid percussion injury. Society for Neuroscience Meeting, Orlando, Florida November 2, 2002.

Tompkins P, Wienecke R, Snell B, Stevens A, Loftus C: Analysis of lactate and pyruvate levels by intracerebral microdialysis in spontaneously hypertensive rats in response to focal cerebral ischemia. XXI International Symposium on Cerebral Blood Flow, Metabolism, and Function, Calgary, Canada June 29, 2003.

Tompkins P, Wienecke R, Snell B, Stevens A, Loftus C: Evaluation of high energy and metabolic state markers during focal cerebral ischemia. Society for Neuroscience 33<sup>rd</sup> Annual Meeting, New Orleans, Louisiana November 8, 2003.

### **Posters**

Wienecke R, Tompkins P, Stevens A, Loftus C: Extracellular pyruvate and lactate concentrations before and after intraluminal middle cerebral artery occlusion in rat brain. Congress of Neurological Surgeons September 29, 2001.

Wienecke R, Francel P, Tompkins P: Extracellular hypoxanthine, inosine, and adenosine concentrations before and after a fluid percussion injury in rat brain. AANS/CNS Cerebrovascular Joint Section Meeting February 3, 2002.

Tompkins P, Francel P, Phelps J, Wienecke R: Changes in cerebral perfusion and high-energy metabolites in response to fluid percussion injury. National and International Neurotrauma Society Meeting, Tampa, Florida October 27, 2002.

Tompkins P, Phelps J, Wienecke R, Francel P: Indomethacin pre-treatment of a cerebral fluid percussion injury. Society for Neuroscience Meeting, Orlando, Florida November 2, 2002.

Tompkins P, Wienecke R, Snell B, Stevens A, Loftus C: Analysis of lactate and pyruvate levels by intracerebral microdialysis in spontaneously hypertensive rats in response to focal cerebral ischemia. XXI International Symposium on Cerebral Blood Flow, Metabolism, and Function, Calgary, Canada June 29, 2003.

Tompkins P, Wienecke R, Snell B, Stevens A, Loftus C: Evaluation of high energy and metabolic state markers during focal cerebral ischemia. Society for Neuroscience 33<sup>rd</sup> Annual Meeting, New Orleans, Louisiana November 8, 2003.

Wienecke R: A posterolateral approach for thoracolumbar anterior column failure: a review of six consecutive cases. International meeting on advanced spinal techniques annual meeting, Hong Kong, China July 8, 2008.

### **Awards, Honors, and Scholarships**

2003 Aesculapian Award Nominee, University of Oklahoma College of Medicine, for excellence in teaching the Class of 2004.

2002 Augustus McCravey Resident Award Clinical Neurosurgery Paper, Southern Neurological Society.

1998 Oklahoma Neurological Surgery Alumni Award, University of Oklahoma College of Medicine.

1998 Alpha Omega Alpha Honor medical society, University of Oklahoma College of Medicine.

1995 Mark Allen Everett Foundation Scholarship, University of Oklahoma College of Medicine.

1992-1994 Dean's Academic Scholarships, University of Colorado.

1992 Sigma Iota Epsilon Honorary Academic Fraternity, University of Colorado.

### **Governance**

2003-2004 Oklahoma University Medical Center Resident Council Member.

### **Professional Organizations**

Congress of Neurological Surgeons.

American Association of Neurological Surgeons.

AANS / CNS Joint Section on Spine and Peripheral Nerves.

Scoliosis Research Society.

OneSpine

**Committee Appointments**

2008-2009 Scoliosis Research Society International Meeting on Advanced Spinal Techniques Committee.

2008-2009 Scoliosis Research Society Patient Education Committee.

2008-2009 Scoliosis Research Society Abstract Reviewer

Practice

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