

Eric A. Potts, M.D.
Neurosurgeon



Specialty Areas

Back & Neck Pain
Minimally Invasive Spine Surgery
Spine Trauma
Spinal Tumor Surgery
Degenerative Spinal Conditions
Artificial Disc Surgery
Novalis® Shaped Beam Surgery

Medical School

Indiana University School of Medicine
Indianapolis, IN 1991-1995

University of Maryland Medical Systems
Baltimore, MD 1995-1996

Residency

Neurosurgery, University of Maryland Medical Systems
Baltimore, MD 1996-1999

Chief Resident

Neurosurgery, University of Maryland Medical systems
Baltimore, MD 1999-2001

Fellowship

Advanced Training in Spinal Surgery
Indianapolis Neurosurgical Group
Indianapolis, IN 2001-2001

Board Certifications and Licensure

American Board of Neurological Surgeons, written 1999
oral, 2006

Hospital Affiliations

Community Hospitals of Indiana
Methodist Hospital
St. Francis Hospital
St. Vincent Hospital

Experience

Indianapolis Neurosurgical Group
Indianapolis, IN 2002-

Director of Spinal Surgery
Indianapolis Neurosurgical Group
Indianapolis, IN 2004-

Vice Chairman, Department of Neurosurgery
St. Vincent Hospital
Indianapolis, IN 2004-

Professional Memberships

Congress of Neurological Surgeons, Member
American Association of Neurological Surgeons, Non-voting member

Publications

Beringer, W. F., J. P. Mobasser, D. Karahalios, and E. A. Potts. Anterior transvertebral interbody cage with posterior transdiscal pedicle screw instrumentation for high-grade spondylolisthesis. Technical note. *Neurosurg Focus* 2006 Mar 15;20(3):E7.

Sasso, R. C., N. M. Best, and E. A. Potts. Percutaneous computer-assisted translaminar facet screw: an initial human cadaveric study. *Spine J* 2005 Sep-Oct;5(5):515-9.

Perillan, P. R., M. Chen, E. A. Potts, and J. M. Simard. Transforming Growth Factor-beta 1 Regulates Kir2.3 Inward Rectifier K⁺ Channels via Phospholipase C and Protein Kinase C-delta in Reactive Astrocytes from Adult Rat Brain. *J Biol Chem* 2002 Jan 18;277(3):1974-80.

Potts, Eric A. and J. Marc Simard. Arteriovenous Malformations of the Brain. *Resident and Staff Physician*. October 2000.

Perillan, P. R., X. Li, E. A. Potts, D. S. Bredt, and J. M. Simard. Inward rectifier K⁺ channel Kir2.3 (IRK3) in reactive astrocytes from adult rat brain. *Glia* 31(2): 181-192, 2000.

Book Chapters

Karahalios, D. G. and E. A. Potts. Management of Thoracic Disc Herniations. *Surgical Anatomy and Techniques of the Spine*. 2005

Presentations

Potts, E. Anterior stabilization in cervical trauma. *Principles of Spinal Trauma*. Presented, Memphis, November 2005.

Potts, E. Sceptor Fixation System. Presented at Medtronic Sofamor Danek National Sales Meeting, 2005.

Potts, E. Image Guidance in Thoracolumbar Trauma. *Principles of Thoracolumbar Trauma*. Presented, Memphis, November 2004.

Potts, E. Image Guidance in Thoracolumbar Trauma. *Principles of Thoracolumbar Trauma*. Presented, Memphis, November 2003.

Potts, E. Vantage Anterolateral Plating System. Presented at the Medtronic Sofamor Danek National Sales Meeting, 2003.

Research

Potts, E. Studying inward rectifying potassium channel in reactive astrocytes from adult rats. University of Maryland Department of Neurosurgery, 1998-2000. J. Marc Simard, M. D., Ph. D., advisor.

Potts, E. Investigated the effect and mechanism of ryanodine on calcium release from nerve terminals at neuromuscular junction in crayfish first walking limb. Indiana University, Section of Neurosurgery. Richard Friedman, Ph.D., advisor.