



ERIC W. AMUNDSON, M.D.

EDUCATION

- UNDERGRADUATE** Duke University
Durham, NC
Degree: Bachelor of Arts, 1994
Majors: Chemistry, Economics
*Magna cum laude, Phi Beta Kappa,
with distinction in Chemistry*
- MEDICAL SCHOOL** Johns Hopkins University School of Medicine
Baltimore, MD
Degree: Doctor of Medicine, 1998

PROFESSIONAL EXPERIENCE

- 1999 Intern, Department of General Surgery
Johns Hopkins Hospital,
Baltimore, MD
- 1999–2001 Assistant Resident, Department of Neurosurgery
Johns Hopkins Hospital
Baltimore, MD
- 2001–2002 Chief Resident, Department of Neurosurgery
Johns Hopkins Hospital, Baltimore, MD
Johns Hopkins Bayview Medical Center
Pediatric Neurosurgery Service
Walker Functional Neurosurgery Service
- 2002–2004 Neuro-Oncology Fellow
Johns Hopkins Neurosurgical Research Laboratory
Johns Hopkins University School of Medicine
Baltimore, MD
NIH National Research Service Award CA-09574
- 2004–2005 Instructor
Department of Neurosurgery
Johns Hopkins Hospital
Baltimore, MD
- 2004–2005 NewSouth NeuroSpine, LLC
Flowood, MS
- 2005–2008 Private Practice
Mississippi Neurosurgery and Spine Center, LLC
Flowood, MS
- 2008–Present Private Practice
NewSouth NeuroSpine, LLC
Flowood, MS

**(NS)² NEWSOUTH
NEUROSPINE**
Mississippi's Spine Center

1.877.554.4257
NewSouth NeuroSpine
2470 Flowood Dr.
Flowood, MS 39232
www.ns2.md

DIVISION OF SURGERY 601.936.0400

Eric Amundson, MD
Philip Azordegan, MD
John D. Davis, IV, MD
Jack Moriarity, MD
W. Lynn Stringer, MD
Matthew VanLandingham, MD
E. Greg Wood, III, MD

DIVISION OF SPINAL INTERVENTION 601.664.1213

Jeff Laseter, MD
Jeff Summers, MD

DIVISION OF PHYSICAL MEDICINE 601.420.1930

David Collipp, MD
Rahul Vohra, MD
Michael Winkelmann, MD

CERTIFICATION AND LICENSURE

2002	American Board of Neurological Surgery Primary Examination
2003–2005	State of Maryland Medical License
2003–2005	State of New York Medical License
2005	State of Mississippi Medical License
2009	American Board of Neurological Surgery Certified

HONORS

Phi Beta Kappa

PROFESSIONAL SOCIETIES

Congress of Neurological Surgeons

RESEARCH

1992–1993	Edward Arnett, Ph.D. Department of Chemistry, Duke University, Durham, NC A thermochemical study of the Wittig olefination reaction
1993	Minor J. Coon, Ph.D. Department of Biochemistry, University of Michigan, Ann Arbor, MI Summer Undergraduate Research Program Fellow, Cytochrome P450-catalyzes oxidative cleavage of benzaldehydes
1995	David Zee, M.D. Department of Neurology, Johns Hopkins University School of Medicine Baltimore, MD The linear vestibular ocular reflex in humans
1997	Henry Brem, M.D. Department of Neurosurgery, Johns Hopkins University School of Medicine Baltimore, MD Characterization of new class of topoisomerase I inhibitors v. gliomas
2002–2004	Henry Brem, M.D. Department of Neurosurgery, Johns Hopkins University School of Medicine Baltimore, MD Malignant gliomas: Local, controlled release of novel alkylating agent Cyclooxygenase-2 inhibitor Antineoplastic effect Antiedema effect
2002–2004	Ziya Gokaslan, M.D. Department of Neurosurgery, Johns Hopkins University School of Medicine Baltimore, MD Novel intraosseous vertebral tumor model

ARTICLES

Sampath, P., Amundson, E.W. *Camptothecin analogs in malignant gliomas: comparative analysis and characterization*, Journal of Neurosurgery 98:570-577, 2003.

Brem, H., Amundson, E.W. *Preparing Hopkins medical students for a career in academic neurosurgery*, Surgery 134:414-415, 2003.

McGirt, M.J., Woodworth, G.F., Coon, A.L., Frazier, J.M., Amundson, E.W., Garonzik, I., Olivi, A., Weingart, J.D. *Independent predictors of morbidity after image-guided stereotactic brain biopsy: A risk assessment of 270 cases*, Journal of Neurosurgery 102(5):897-901, 2005.

Mantha, A., Legnani, F.G., Bagley, C.A., Gallia, G.L., Garonzik, I., Pradilla, G., Amundson, E.W., Tyler, B.M., Brem, H., Gokaslan, Z.L. *A novel rat model for the study of intraosseous metastatic spine cancer*, Journal of Neurosurgery Spine 2(3):303-7, 2005.

Amundson, E.W., McGirt, M.J., Olivi, A. *A contralateral, transfrontal, extraventricular approach to stereotactic brainstem biopsies*, Journal of Neurosurgery 102(3):565-70, 2005.

Amundson, E.W., Pradilla, G., Brastianos, P., Bagley, C., Riley, L.H. 3rd, Garonzik, I.M., McCarthy, E., Wolinsky, J.P., Gokaslan, Z. *A novel intravertebral tumor model in rabbits*, Neurosurgery 57(2):341-6, 2005.

Mavinkurve, G.G., Sciubba, D., Amundson, E.W., Jallo, G.I., *Familial Chiari type I malformation with syringomyelia in two siblings: case report and review of the literature*, Childs Nervous System Apr. 9, 2005.

ABSTRACTS

Amundson, E.W., Sampath, P., Tyler, B., Brem, H., Weingart, J.D. *A Mechanistic Study of Camptothecin Analogues in Gliomas*, American Association of Neurological Surgeons Annual Meeting, Philadelphia, PA 1998.

Amundson, E.W., Hdeib, A., Tyler, B.S., Brem, H., Weingart, J.D. SJG-136: *A novel agent for the treatment of experimental gliomas: an in vitro study*, American Association of Neurological Surgeons Annual Meeting, San Diego, CA 2003.

Amundson, E.W., Tyler, B.S., Brem, H., Weingart, J.D. SJG-136: *A Novel Agent for the Treatment of Experimental Gliomas: An In Vivo Toxicity and Efficacy Study*, Congress of Neurological Surgeons Annual Meeting, Denver, CO 2003.

Upadhyay, U., Amundson, E.W., Caplan, J., Tyler, B.M., Brem, H. *Mechanistic and efficacy studies of nimesulide (cox-2 inhibitor) in combination with BCNU versus experimental gliomas*, American Association of Neurological Surgeons Annual Meeting, Orlando, FL 2004.

Upadhyay, U., Amundson, E.W., Fisch, A., Brem, H. *Efficacy studies of dexamethasone in combination with BCNU versus experimental gliomas*, American Association of Neurological Surgeons Annual Meeting, Orlando, FL 2004.

Amundson, E.W., Pradilla, G., Brastianos, P., Gokaslan, Z. *A novel intraosseous vertebral tumor model in rabbits*, American Association of Neurological Surgeons Annual Meeting, Orlando, FL 2004.

TEACHING EXPERIENCE

2003 Instructor, Neuroscience Course
Johns Hopkins School of Medicine
Baltimore, MD

SHORT COURSES

Johns Hopkins Spinal Symposium, Synthes Spine
Course Director: James Campbell
Paoli, PA, Oct. 12–13, 2001

Principles and Practice of Gamma Knife Surgery
Course Director: Dade Lunsford, Douglas Kondziolka, John Flickinger
Pittsburgh, PA, June 2–6, 2003

Advances in Neurosurgery, The Anspach Effort, Inc.
Course Director: Johnny Delashaw
Palm Beach Gardens, FL, July 2003

Resident's Course, Brainlab
Munich, Germany, Mar. 5–8, 2004

Minimally Invasive Spine Techniques, Sofamor Danek
New Orleans, LA, May 2005

Charite Artificial Disc Comprehensive Training Program
Cincinnati, OH, Sept. 14–15, 2005

Cyberknife Training Course
Jackson, MS, Mar. 30, 2006

Kyphoplasty Training Course
Dallas, TX, June 15, 2006

Mazor X Robotic Spine Surgery
Training Course
Orlando, FL, May 5, 2017