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- PROFESSIONAL**      **Cornell, New York-Presbyterian Hospital  
Memorial Sloan-Kettering Cancer Center**  
Resident, Department of Neurological Surgery, 2006-present  
General Surgery Internship, 2005-2006
- EDUCATION**        **Cornell University Medical College**, New York, NY  
Doctor of Medicine *with Honors in Research*, 2005
- State University of New York at Buffalo**, Buffalo, NY  
Bachelor of Science *summa cum laude with highest distinction*, Psychology, 2000  
Bachelor of Arts *summa cum laude*, Biology, 2000
- BOARD STATUS**    94<sup>th</sup> percentile, American Board of Neurological Surgery Primary Exam, 2009  
United States Medical Licensing Examination Steps 1, 2, and 3 completed
- RESEARCH**        Department of Neurological Surgery  
Weill Cornell Medical College and Memorial Sloan-Kettering Cancer Center  
New York NY, 2003-2004, 2008-2010
1. Convection-enhanced delivery in the treatment of malignant glioma. Investigator: Mark M. Souweidane, M.D.
  2. Novel MRI techniques in the evaluation of concussion in professional football players. Investigator: Roger Hartl, M.D. (New York Giants)
- Department of Microbiology  
University at Buffalo School of Medicine, Buffalo NY, 1996-2000  
Research Assistant, Investigator: Anthony A. Campagnari, Ph.D
- Department of Medicine  
University at Buffalo School of Medicine, Buffalo NY, 1998-1999  
Research Assistant, Investigator: Thomas A. Russo, M.D
- SELECT AWARDS**    Best Research Presentation, New York State Neurosurgical Society, 2009  
American Brain Tumor Association Research Grant, 2004-5  
Beez Foundation Research Grant, 2005  
Phi Beta Kappa, 1999  
Golden Key Honor Society Appointed Officer, 1998  
University at Buffalo Honors Academic Scholarship, 1998
- COMMITTEES**      Housestaff Quality Council, New York-Presbyterian Hospital, 2009-11  
Graduate Medical Education Committee, Neurosurgery Representative, 2008-9  
Operating Room Scheduling Committee, New York-Presbyterian Hospital, 2008-9

## PUBLICATIONS

**Luther N**, Rubens E, Sethi N, Kandula P, Labar DR, Harden C, Perrine K, Christos PJ, Iorgulescu JB, Schaul NS, Kolesnik DV, Nouri S, Dawson A, Tsiouris AJ, Schwartz TH. The value of intraoperative electrocorticography in surgical decision making for temporal lobe epilepsy with normal MRI. *Epilepsia*, in press.

**Luther N**, Schwartz TH. Reducing the incidence of hydrocephalus in intraventricular hemorrhage. *World Neurosurg*, in press.

**Luther N**, Cheung NK, Souliopoulos EP, Karampelas I, Bassiri D, Edgar MA, Guo HF, Christos PJ, Pastan I, Gutin PH, Souweidane MM. Interstitial infusion of glioma-targeted recombinant immunotoxin 8H9scFv-PE38. *Mol Cancer Ther*. 2010 Apr;9(4):1039-46.

**Luther N**, Stetler WR, Dunkel IJ, Christos PJ, Wellons JC, Souweidane MM. Subarachnoid dissemination of intraventricular tumors following simultaneous endoscopic biopsy and third ventriculostomy. *J Neurosurg Pediatr*. 2010 Jan;5(1):61-7.

**Luther N**, Karampelas I, Souliopoulos EP, Edgar MA, Boockvar JA, Souweidane MM. Interstitial infusion of erlotinib in the rodent brain. *J Exp Ther Oncol*. 2009;8(2):79-84.

**Luther N**, Tomasino A, Parikh K, Härtl R. Neuronavigation in the minimally invasive presacral approach for lumbosacral fusion. *Minim Invasive Neurosurg*. 2009 Aug;52(4):196-200.

**Luther N**, Cheung NK, Dunkel IJ, Fraser JF, Edgar MA, Gutin PH, Souweidane, MM. Intraparenchymal and intratumoral interstitial infusion of anti-glioma monoclonal antibody 8H9. *Neurosurgery*. 2008 Dec; 63(6):1166-74

**Luther N**, Bilsky MH, Härtl R. Giant cell tumor of the spine. *Neurosurg Clin N Am*. 2008 Jan;19(1):49-55.

Souweidane MM, **Luther N**. Endoscopic resection of solid intraventricular brain tumors. *J Neurosurg*. 2006 Aug;105(2):271-8.

**Luther N**, Edgar MA, Dunkel IJ, Souweidane MM. Correlation of endoscopic biopsy with tumor marker status in primary intracranial germ cell tumors. *J Neurooncol*. 2006 Aug;79(1):45-50.

Kuo YH, Edgar MA, **Luther N**, Schwartz TH. Novel low-grade glioneuronal neoplasm presenting in an octogenarian: case report and review of the literature. *Clin Neurol Neurosurg*. 2006 Jun;108(4):426-32.

**Luther N**, Greenfield JP, Chadburn A, Schwartz TH. Intracranial nasal natural killer/T-cell lymphoma: immunopathologically-confirmed case and review of literature. *J Neurooncol*. 2005 Nov;75(2):185-8.

**Luther N**, Cohen A, Souweidane MM. Hemorrhagic sequelae from intracranial neuroendoscopic procedures for intraventricular tumors. *Neurosurg Focus*. 2005 Jul 15;19(1):E9.

**Luther N**, Souweidane MM. Neuroendoscopic resection of posterior third ventricular ependymoma. Case report. *Neurosurg Focus*. 2005 Jun 15;18(6A):E3.

Grobmyer SR, **Luther N**, Antonescu CR, Singer S, Brennan MF. Multiple primary soft tissue sarcomas. *Cancer*. 2004 Dec 1;101(11):2633-5.

Luke NR, Russo TA, **Luther N**, Campagnari AA. Use of an isogenic mutant constructed in *Moraxella catarrhalis* To identify a protective epitope of outer membrane protein B1 defined by monoclonal antibody 11C6. *Infect Immun*. 1999 Feb;67(2):681-7.

## BOOK CHAPTERS

**Luther N**, Souweidane MM. Supratentorial tumors (Pediatric). *Youman's Neurological Surgery* 6<sup>th</sup> Ed. In publication.

Fraser JF, **Luther N**, Kaplitt MG. Neurosurgical targeting, delivery, and infusion of gene therapy agents in the brain. *Gene Therapy of the Central Nervous System: From Bench to Bedside*. Kaplitt MG, During MJ. Elsevier; San Diego. 2006.

## SELECT ABSTRACTS

**Luther N**, Zhou Z, Zanzonico P, Cheung NK, Souweidane MM. Dosimetry of <sup>124</sup>I-8H9 convection-enhanced delivery for potential therapy in diffuse intrinsic pontine glioma. 2010 AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, *Oral Presentation*.

Luther N, Karempelas I, Cheung NK, Dunkel IJ, Edgar MA, Gutin PH, Souweidane MM. Safety of interstitial infusion of 8H9-PE38 to the pons for application in a glioma model. 2008 AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, *Oral Presentation*.

Bassiri D, **Luther N**, Dunkel IJ, Edgar MA, Cheung NK, Wang QC, Pastan I, Gutin PH, Souweidane MM: Successful treatment of human glioma xenograft using the immunotoxin 8H9scFV-PE38 by interstitial infusion (abstr). *Neuro-Oncology* 8:425, 2006.

**Luther N**, Bassiri D, Pastan I, Cheung NK, Edgar MA, Gutin PH, Souweidane MM. Intratumoral interstitial infusion of anti-glioma monoclonal antibody 8H9. 2005 AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, *Oral Presentation*.

**Luther N**, Ryder WJ, Cheung NK, Gutin PH, Souweidane MM. Convection and diffusion distributed anti-glioma monoclonal antibody 8H9 in the brain following interstitial infusion. 2004 AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, *Oral Presentation*.

**Luther N**, Mark EB, Ryder WJ, Fraser JF, Cheung NK, Gutin PH, Souweidane MM. Optimizing interstitial delivery of anti-glioma monoclonal antibody 8H9 using a preclinical rat model. 2004 Society for Neuro-Oncology Annual Meeting, Toronto ON. *Poster Presentation*.

**Luther N**, Mark EB, Dunkel IJ, Souweidane MM. Correlation of endoscopic biopsy and tumor markers in patients with primary intracranial germ cell tumors. 2004 International Symposium on Pediatric Neuro-Oncology, Boston MA. *Poster Presentation*.