

# Curriculum Vitae

## Bharat Guthikonda, M.D.

---

---

### Present Position

Assistant Professor                      LSU Shreveport Health Science Center    2007-  
Director of Skull Base Research    Department of Neurosurgery

### Professional Training

Skull Base Fellowship	University of Cincinnati The Mayfield Clinic	2006-2007
Neurosurgery Chief Residency	Baylor College of Medicine	2005-2006
Neurosurgery Residency	Baylor College of Medicine	2001-2005
Surgery Internship	Baylor College of Medicine	2000-2001

### Education

SUNY Syracuse--Upstate Medical University Doctor of Medicine	1996-2000
Cornell University Bachelor of Arts (Mathematics) and Bachelor of Science (Biology)	1992-1996

### Licensures and Certifications

United States Medical Licensing Examination	
Step 1	1998
Step 2	2000
Step 3	2005

### Awards and Achievements:

**Baylor College of Medicine**

The 2006 Kinjiro Iwata Award-- for excellence and leadership throughout residency in Neurosurgery 2006

Baylor College of Medicine Teaching Excellence Award – in recognition of teaching excellence as a house officer 2006

Second Place – Resident Oral Presentation Texas Association of Neurological Surgeons 2006

Passed ABNS Primary Exam 2003

**Upstate Medical University**

Graduated Magna cum Laude 2000

Graduated in Top 3% of Class 2000

Scored 97<sup>th</sup> percentile on USMLE Step 2 2000

Dean’s Letter of Academic Commendation 1998, 1999

Junior Alpha Omega Alpha 1999

Scored 97<sup>th</sup> percentile on USMLE Step 1 1998

Appleton and Lange Book Award 1998

**Cornell University**

Graduated with Distinction in All Subjects 1996

Dean’s List 1993-1996

Golden Key National Honor Society 1993-1996

Letter Winner in Varsity Track and Cross Country 1994-1996

## Professional Society Memberships

Congress of Neurological Surgeons	2001-
American Association of Neurological Surgeons	2001-
Texas Association of Neurological Surgeons	2001-
Houston Neurological Society	2001-
AANS/CNS Joint Section on Tumors	2006-
AANS/CNS Joint Section on Neurotrauma and Critical Care	2006-
North American Skull Base Society	2007-
The Mayfield Society	2007-

## Ongoing Research

*Clinical Relevance of Presence of Arachnoid Within Dorello's Canal* 2006-  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati  
Supervisors: Philip Theodosopoulos, MD; Jeffrey Keller, PhD

*Anatomic Study of Tensor Tympani and Eustachian Tube and Importance During Middle Fossa Surgical Approach* 2006-  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati  
Supervisors: Philip Theodosopoulos, MD; Myles Pensak, MD; Jeffrey Keller, PhD

*Glasscock's Triangle Revisited* 2006-  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati  
Supervisors: Philip Theodosopoulos, MD; Myles Pensak, MD; Jeffrey Keller, PhD

*Corridors to the Pineal Region: Indications for Occipital Transtentorial vs Infratentorial-Supracerebellar Approach* 2006-  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati  
Supervisors: Philip Theodosopoulos, MD; Jeffrey Keller, PhD; Christopher McPherson, MD

*Use of Lumbar Drains During Skull Base Surgery: Complications and Their Avoidance* 2006-

Department of Neurosurgery, University of Cincinnati  
Supervisors: Myles Pensak, MD; Philip Theodosopoulos, MD

## **Basic Science Research Experience**

*Involvement of Superoxide Dismutase Gene in Amyotrophic Lateral Sclerosis* 1993-1996  
Department of Neurology, SUNY Syracuse-Upstate Medical University  
Supervisor: Burk Jubelt, MD

## **Clinical Research Experience**

*Prospective Trial Comparing Surgery and Radiosurgery for Single Brain Metastasis* 2004-2006  
Department of Neurosurgery, MD Anderson Cancer Center  
Supervisor: Frederick Lang, MD

*Intraoperative ACTH measurements as Useful Adjunct to Predict Cure for Cushing's Patients Undergoing Transsphenoidal Surgery* 2005-2006  
Department of Neurosurgery, MD Anderson Cancer Center  
Supervisor: Ian McCutcheon, MD

*Visual Outcomes after Surgical Intervention for Symptomatic Anterior Skull Based Meningiomas* 2005-2006  
Department of Neurosurgery, MD Anderson Cancer Center  
Supervisors: Franco Demonte, MD; Ian McCutcheon, MD

## **Teaching Experience**

Instructor, 3rd Annual Minimally Invasive Cranial Microsurgery Course, 2007  
Goodyear laboratory, University of Cincinnati

Instructor, Codman Cranial Training Course 2007  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati

Instructor, 2nd Annual Minimally Invasive Cranial Microsurgery Course, 2006  
Goodyear laboratory, University of Cincinnati

Instructor, Codman Cranial Training Course 2006  
Goodyear Laboratory, Department of Neurosurgery, University of Cincinnati

Teaching Assistant, Neuroanatomy Laboratory 2000  
Department of Neuroscience, SUNY Syracuse-Upstate Medical University

Teaching Assistant, Anatomy Laboratory 2000  
Department of Anatomy, SUNY Syracuse-Upstate Medical University

Teaching Assistant, Department of Mathematics 1994-1996  
Cornell University

Teaching Assistant, Department of Biology 1995-1996  
Cornell University

## **Presentations**

North American Skull Base Society – February, 2006 – Phoenix, AZ  
Rare Case of Extensive Ameloblastic Fibrosarcoma Involving the Anterior and Middle Skull Base – Poster Presentation

American Association of Neurological Surgeons – April, 2006 – San Francisco, CA  
Does Change in Intraoperative ACTH Levels Predict Postoperative Status of Cushing's Disease – Poster Presentation

Texas Association of Neurological Surgeons – May, 2006 – Houston, TX  
Does Change in Intraoperative ACTH Levels Predict Postoperative Status of Cushing's Disease – Oral Presentation

Congress of Neurological Surgeons – October, 2006 – Chicago, IL  
Visual Outcome After Surgical Resection of Anterior Skull Based Meningiomas Presenting With Visual Loss – Poster Presentation

Congress of Neurological Surgeons – October, 2006 – Chicago, IL  
Extent of Resection During Endoscopic Transsphenoidal Pituitary Surgery with Intraoperative Magnetic Resonance Imaging – Poster Presentation

5<sup>th</sup> Annual International Congress on Meningiomas and Cerebral Venous System  
November, 2006 – Japan

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Oral Presentation

University of Arizona Neurosurgery/Neurology Grand Rounds – November, 2006 – Tucson, AZ

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Oral Presentation

University of Colorado Neurosurgery Grand Rounds – November, 2006 – Denver, CO

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Oral Presentation

Johns Hopkins Department of Neurosurgery Grand Rounds – December, 2006 – Baltimore, MD

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Oral Presentation

Moffitt Cancer Center Division of Neurooncology Grand Rounds – January, 2007 – Tampa, FL

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Oral Presentation

University of Cincinnati/Mayfield Clinic Department of Neurosurgery Grand Rounds – February, 2007 – Cincinnati, OH

Visual Outcomes after Anterior Skull Based Meningioma Surgery – Bony and Vascular Considerations – Oral Presentation

American Association of Neurological Surgeons – April, 2007 – Washington D.C.

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Poster Presentation

American Association of Neurological Surgeons – April, 2007 – Washington D.C.

Anatomic Study of the Chiasmatic Sulcus and Its Surgical Implications – Poster Presentation

AANS/CNS Joint Tumor Section – April, 2007 – Washington D.C.

Co-registration of Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications – Poster Presentation

AANS/CNS Joint Tumor Section – April, 2007 – Washington D.C.

Anatomic Study of the Chiasmatic Sulcus and Its Surgical Implications – Poster Presentation

AANS/CNS Joint Tumor Section – April, 2007 – Washington D.C.  
Microsurgical Treatment of Small Acoustic Neuromas – Poster Presentation

2007 World Neuroendoscopy Meeting – May, 2007 – Paris, France  
Extent of Resection During Endoscopic Transsphenoidal Pituitary Surgery with Intraoperative Magnetic Resonance Imaging – Oral Presentation

2007 World Neuroendoscopy Meeting – May, 2007 – Paris, France  
Endoscopic Anatomy of the Infratemporal Fossa – Oral Presentation

North American Skull Base Society – May, 2007 – Chicago, IL  
Endoscopic Anatomy of the Infratemporal Fossa – Oral Presentation

North American Skull Base Society – May, 2007 – Chicago, IL  
Delayed Facial Palsy after an Anterior Petrosal Approach – Oral Presentation

North American Skull Base Society – May, 2007 – Chicago, IL  
Extent of Resection During Endoscopic Transsphenoidal Pituitary Surgery with Intraoperative Magnetic Resonance Imaging – Poster Presentation

North American Skull Base Society – May, 2007 – Chicago, IL  
Microsurgical Treatment of Small Acoustic Neuromas – Poster Presentation

University of Cincinnati/Mayfield Clinic Department of Otolaryngology Grand Rounds – May, 2007 – Cincinnati, OH  
Endoscopic Transsphenoidal Pituitary Surgery with Intraoperative Magnetic Resonance Imaging

2007 Mayfield Clinic Neuroscience Symposium – June, 2007 – Cincinnati, OH  
Functional MRI and Tractography: Applications to Surgery of Eloquent Areas of the Brain

Congress of Neurological Surgeons – September, 2007 – San Diego, CA  
Redefining the Anatomical Border of the Lateral Sellar Compartment: Cadaveric and Radiographic Studies – Poster Presentation

Society for Neuro-oncology – November, 2007 – Dallas, TX  
Co-Registration of Functional MRI Data and Diffusion Tensor Tractography with Intraoperative Neuronavigation: Methods and Applications – Accepted as Poster Presentation

## **Publications**

### Invited

**Guthikonda B**, Yoshor D: Sectioning of the Corpus Callosum For Epilepsy. In: Starr P, Barbaro N, Larson P: Neurosurgical Operative Atlas 2E: Functional Neurosurgery. New York, NY, Thieme.

### Accepted Papers

**Guthikonda B**, Theodosopoulos PL, van Loveren H, Tew JM Jr., Pensak ML. Evolution in the Assessment and Management of Trigeminal Schwannoma. **Accepted by Laryngoscope-8-24-2007**

### Submitted Papers

**Guthikonda B**, Hanna E, Skoracki R, Prabhu S. Rare Case of Extensive Ameloblastic Fibrosarcoma Involving the Anterior and Middle Skull Base with Intradural Extension. **Submitted and Under Review**

**Guthikonda B**, Buckleair L, Powell S, Goodman JC, Rose JE. Ganglioglioma of the Cerebellopontine Angle: Case report of This Unusual Location with Review of the Literature. **Submitted and Under Review**

**Guthikonda B**, Buckleair L, Powell S, Goodman JC, Yoshor D. Primary CNS Melanoma in a Patient with Contralateral Nevus of Ota: Case Report and Review of the Literature. **Submitted and Under Review**

**Guthikonda B**, Rouah E, Gopinath SP, Simpson RK. Whipple's Disease of the Central Nervous System: An Unusual Occurrence in Association with Acquired Immune Deficiency Syndrome (AIDS). **Submitted and Under Review**

### Papers To Be Submitted

**Guthikonda B**, Pensak ML, Theodosopoulos PV. Delayed Facial Palsy after the Anterior Petrosal Approach: Case Report and Review of the Literature.

**Guthikonda B**, Tobler WT, Leach JL, Theodosopoulos PV, Tew JM Jr., Keller JT. Anatomic Study of the Chiasmatic Sulcus and its Surgical Implications.

**Guthikonda B**, Brescia A, Theodosopoulos PV, Keller JT, Zimmer LA. Endoscopic Anatomy of the Infratemporal Fossa.

**Guthikonda B**, Leach J, Theodosopoulos PV, Tew JM Jr. Co-registration of Diffusion Tensor Tractography and Functional MRI Data with Intraoperative Neuronavigation: Methods and Applications.

Javalkar V, **Guthikonda B**, Nanda A. Surgical Treatment of Anterior Cranial Fossa Meningiomas: Complications and Outcome.

Javalkar V, **Guthikonda B**, Nanda A. Petroclival Meningiomas: Evaluation of Complications and Outcome in 32 Cases.

Javalkar V, **Guthikonda B**, Bollam PR, Nanda A. Post-hemorrhagic Hydrocephalus in Premature Infants: Comparison Between Temporary Ventricular Reservoir Use and Direct VP Shunting.

### Papers in Progress

**Guthikonda B**, Waguespack S, McCutcheon I. Does Change in Intraoperative ACTH Levels Predict Postoperative Status of Cushing's Disease?

**Guthikonda B**, McCutcheon I, Demonte F. Visual Outcome after Surgical Resection of Anterior Skull Based Meningiomas Presenting with Visual Loss.

**Guthikonda B**, Golnik KC, Breneman JC, Theodosopoulos PV. Malignant Optic Nerve Glioma in Elderly Patient: Case Report and Literature Review.

**Guthikonda B**, Madera M, Pensak ML, Theodosopoulos PV. Microsurgical Resection of Small Acoustic Neuromas.

Javalkar V, **Guthikonda B**, Nanda A. Association of Meningiomas and Intracranial Aneurysms: Report of Three Cases and Review of the Literature.

Javalkar V, **Guthikonda B**, Nanda A. Arteriovenous Malformations Located in Eloquent Regions of the Brain: Role of Gamma-Knife Radiosurgery.

Javalkar V, **Guthikonda B**, Nanda A. Posterior Fossa Meningiomas: Surgical Experience with 64 Cases.

## References

Robert Grossman, M.D.  
Chairman – Department of Neurosurgery  
Methodist Neurological Institute  
6565 Fannin St., Suite 944  
Houston, TX 77030  
713-441-3800

Raymond Sawaya, M.D.  
Chairman – Department of Neurosurgery  
Baylor College of Medicine  
1515 Holcombe Blvd., Box 442  
Houston, TX 77030  
713-798-4696

Raj Narayan, M.D.  
Chairman – Department of Neurosurgery  
University of Cincinnati  
231 Albert Sabin Way, ML 515  
Cincinnati, OH 45267-0515  
513-475-7446

Philip Theodosopoulos, M.D.  
Director, Division of Skull Base Surgery  
Department of Neurosurgery  
University of Cincinnati  
231 Albert Sabin Way, ML 515  
Cincinnati, OH 45267-0515  
513-475-8668