

MURALI GUTHIKONDA, MD, FAANS, FACS

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EDUCATION

MBBS 1973
Guntur Medical College, Guntur, AP, India

House Surgeon 1972 - 1973
Government General Hospital, Guntur, AP, India

MD 1966- 1971
Andhra University
Guntur Medical College, Guntur, AP, India

Higher Secondary School License Certification 1958 - 1965
RSRM Higher Secondary School, Nellore, AP, India

POSTGRADUATE TRAINING

Fellow, Skull Base Cerebrovascular Surgery 1992 - 1993
University of Cincinnati, Cincinnati, Ohio

Honorary Assistant House Physician, Neurology 1979
Locum Registrar, Neurology
National Hospital, Queen's Square, London, England

Resident, Neurosurgery 1976 - 1980
Medical Center of Vermont / University of Vermont, Burlington, Vermont

Resident, General Surgery 1974 - 1976
St. Elizabeth Hospital, Youngstown, Ohio

Rotating Intern 1973 - 1974
Niagara Falls Memorial Medical Center, Niagara Falls, New York

FACULTY APPOINTMENTS

L. Murray Thomas Professor (Clinician Educator), Neurosurgery 10/2015 - Present
Wayne State University, Detroit, Michigan

Acting Chairman, Neurosurgery 10/2013 - 10/2015
Wayne State University, Detroit, Michigan

L. Murray Thomas Professor (Clinician Educator) and Chairman, Neurosurgery 2008 - 10/2013
Wayne State University, Detroit, Michigan

FACULTY APPOINTMENTS (Continued)

Graduate Faculty Member, Physiology Wayne State University, Detroit, Michigan	2007 - 2008
Residency Program Director, Neurosurgery Wayne State University, Detroit, Michigan	2005 - Present
Associate Professor (Clinician Educator), Neurosurgery Wayne State University, Detroit, Michigan	2001 - 2008
Interim Chairman and Program Director, Neurosurgery Wayne State University, Detroit, Michigan	2001 - 2005
Assistant Professor (Clinician Educator), Neurosurgery Wayne State University, Detroit, Michigan	1993 - 2001
Voluntary Assistant Professor, Neurosurgery University of Cincinnati, Cincinnati, Ohio	1992 - 1993
Voluntary Assistant Professor, Surgery Northeast Ohio University College of Medicine, Rootstown, Ohio	1984 - 1992

HOSPITAL APPOINTMENTS

Specialist-in-Chief Detroit Medical Center Hospitals, Detroit, Michigan	2001 - Present
Chief, Neurosurgery Harper University Hospital, Detroit, Michigan	1993 - Present
Staff Privileges, Neurosurgery Detroit Medical Center Hospitals, Detroit, Michigan	1993 - Present
Vice Chief, Department of Neurosurgery Harper University Hospital, Detroit, Michigan	1996 - 2001
Chief, Neurosurgery St. Elizabeth Hospital, Youngstown, Ohio	1988 - 1990

HONORS AND AWARDS

Top Neurosurgeon Recognition: The Leading Physicians of the World International Association of Healthcare Professionals	2016 - 2017
Top Doctors for Cancer Newsweek Magazine	2014 - 2015
America's Top Doctors for Cancer Castle Connolly Medical	2009 - 2015
America's Top Doctors Castle Connolly Medical	2007 - 2015
Detroit's Top Docs Hour Detroit Magazine	2005, 2007 - 2015

LICENSURE AND CERTIFICATION

Medical Licensure, State of Florida	2012
Medical Licensure, State of Ohio	2012
Medical Licensure, State of Michigan	1993
Certification, Part II American Board of Neurological Surgery	1982
Certification, Part I American Board of Neurological Surgery	1980
GMC Registration, England	1979

MAJOR PROFESSIONAL SOCIETIES

American Association of Neurological Surgeons, <i>Fellow</i>	
American College of Surgeons, <i>Fellow</i>	
American Medical Association	
Congress of Neurological Surgeons	
Mahoning County Medical Society Council Member	1988 - 1990
Michigan Association of Neurological Surgeons <i>Positions Held</i>	
President	2000 - 2001
Secretary/Treasurer	1998 - 1999
Member-at-Large	1997 - 1998
Michigan State Medical Society	
Neurological Society of India	
North American Skull Base Society	
Pituitary Network Association	
Society of Neurological Surgeons	
Trigeminal Neuralgia Association	
Wayne County Medical Society	

MILITARY SERVICE

Active Duty, Operation Desert Storm Madigan Army Medical Center, Fort Lewis, Tacoma, Washington	01/1991 - 04/1991
Lt. Colonel, US Army Reserve Medical Corps	1989 - 1998

SERVICE

Wayne State University Service Member, Dissertation Committee Member <i>Todd Francis, MD, PhD</i>	2006 - 2011
Member, Department of Neurosurgery Research Group	2004 - Present
Member, Department of Neurosurgery Performance Improvement Group	2003 - Present
Member, Quarterly Program Director Meeting	2003 - Present
Member, Department Chairs Committee	2001 - Present
Member, Combined Chairs/Directors Committee	2001 - Present

SERVICE (Continued)

Wayne State University Physician Group Service

Member, Wayne State University School of Medicine/University Physicians
Group Clinical Care Work Group 2007 - Present
Members appointed by the Dean for the School of Medicine.

Member, Wayne State University Physician Group Board 2006 - Present
Chair, University Neurologic Surgeons 2001 - 2006

Hospital and Patient Care Service

Member, Gamma Knife Consortium Oversight Committee 2007 - 2008
William Beaumont Hospital, Royal Oak, Michigan

Chairman, Surgical Committee Meeting 2007 - 2008
Member, Surgical Committee Meeting 2001 - Present
Harper University Hospital, Detroit Medical Center, Detroit, Michigan

Member, Detroit Medical Center Board of Trustees Retreat 2007

Member, Stroke Conference 2001 - Present
Detroit Medical Center, Detroit Michigan

Member, Tumor Board Conference 2001 - Present
Detroit Medical Center, Detroit Michigan

Member, Clinical Leadership Council 2001 - Present
Detroit Medical Center, Detroit, Michigan

Member, Medical Executive Committee 2001 - 2014
Detroit Medical Center, Detroit, Michigan

Member, Stroke Conference 2001 - Present
Harper University Hospital, Detroit, Michigan

Member, Medical Staff Operations Committee 1998 - Present
Detroit Medical Center, Detroit, Michigan

Member, Laser Committee 1989 - 1992
St. Elizabeth's Hospital, Youngstown, Ohio

Member, Trauma Committee 1988 - 1990
St. Elizabeth's Hospital, Youngstown, Ohio

SERVICE (Continued)

<i>Invited Professional Society Service</i>	
Attendee, 25 th Annual Meeting North American Skull Base Society Tampa, Florida	02/2015
Guest Examiner American Board of Neurological Surgery	05/2014
Guest Examiner American Board of Neurological Surgery	11/2008
<i>Invited Review Service</i>	
Neurosurgery	2013 - Present
<i>Journal of the Neurological Sciences</i>	2001 - Present
Neurosurgery: FOCUS	2000

TEACHING

<i>Wayne State University Medical Student Education</i>	
Lecture, <i>What is Neurosurgery and What Do Neurosurgeons Do?</i>	2001
Lecture, <i>Intracranial Hypertension</i>	2001
3 rd /4 th Year Medical Student Rotations	2001
<i>Wayne State University/Detroit Medical Center Resident Education</i>	
Lecture, Skull Base Cadaver Lab: <i>OZ and Middle Fossa Approach for Cavernous Sinus and Anterior Petrosectomy</i>	01/2017
Craniotomy and Spinal Approaches, Resident Cadaveric Course	05/2014
Skull Base Surgery, Resident Cadaveric Course	02/2014
Spinal Fusion Techniques: Neurosurgery Resident Course	11/2007
Endoscopic Techniques in Neurosurgery: Neurosurgery Resident Course	10/2007
Posterior Fossa Craniotomy Techniques: Neurosurgery Resident Course	08/2007
Endoscopic Transsphenoidal Techniques: Neurosurgery Resident Course	07/2007
Neurosurgery Motor Skills Cadaver Training	2005 - Present
Clinical Rounds of Patients: Neurosurgery Resident Practical Training	1993 - Present
Operating Room: Neurosurgery Resident Practical Training	1993 - Present
Mortality and Morbidity Conference: Grand Rounds Conference	1993 - Present

Clinical Pathology Conference: Grand Rounds Conference 1993 - Present

TEACHING (Continued)

Wayne State University Medical Student Education (Continued)

Basic Anatomy Review and Quiz: Grand Rounds Conference 1993 - Present

Clinical Specialties Lecture on Current Issues: Grand Rounds Conference 1993 - Present

Case Presentations: Grand Rounds Conference 1993 - Present

Cerebrovascular/Skull Base Lecture: Grand Rounds Conference 1993 - 1995

Journal Club: Grand Rounds Conference 1993 - Present

General Neurological Surgery Competency Lecture: Grand Rounds Conference 1993 - Present

Focus Topic Clinical Review: Grand Rounds Conference 1993 - Present

Professional Community Education

Principles of Spinal Disorders for Operating Room Personnel: A Team Approach to AO Technique
Novi, Michigan 05/2013

Skull Base Techniques: Practical Applications in Neurosurgical Practice:
A Hands-On Course for Neurosurgeons and Otologists 08/1997,
Wayne State University/Detroit Medical Center, Detroit, Michigan 07/1995

International Education

Establishment of an educational Institute in India: <http://www.guthikondases.com/>. This Institute has been started by me for the sole purpose of providing education to the poor and needy in the village of Buchireddypalem, Nellore District, India. Nearly 1500 students are provided education annually at very low cost.

Visiting Surgeon: Conducted Neurosurgery workshops in Hyderabad and Tirupati (India). These are live surgical demonstrations in Neurosurgical procedures over a total of 10 days over a period of two years.

Instructor: Performed cadaveric dissection and training in skull base surgery: Bangalore, India 2003

GRANTS, CONTRACTS, AND OTHER FUNDING

Completed Grants, Contracts, and Other Funding

The Evaluation of DURASIS Dural Substitute as a Dura Mater Substitute Study 2002 - 2005

Cook Biotech

Principle Investigator, \$3,668

PRODUCT DEVELOPMENT

Porex Surgical Products - Development of Products Designed with Murali Guthikonda, M.D. F.A.C.S. These products are used across the country and internationally in the practice of Neurosurgery to-date.

Pterional Implant

The new Pterional Implant is designed for the neurosurgeon to address temporalis muscle atrophy created by the pterional approach to the brain. While the pterional craniotomy is one of the most versatile approaches in neurosurgery, it can lead to temporal hollowing. The implant is placed deep to the temporalis during closure to prevent this defect. The new Pterional Implant is available in left and right versions, and while similar to the FLEXBLOCK TF, is much smaller in design to provide appropriate augmentation.

<http://www.porexurgical.com/english/surgical/sprodpttemp.asp>

Transsphenoidal Sellar Implant

The MEDPOR Transsphenoidal Sellar Implant (TSI™) is designed to repair the sellar floor following a pituitary tumor resection. The TSI Implant is now available in two sizes and configurations. The new, larger TSI is designed with three small tabs to facilitate handling and placement, while the original TSI design has a single tab. A nonporous sheet of polyethylene heat bonded to the posterior surface of the new, larger TSI forms a BARRIER to aid in preventing tissue ingrowth.

The implant is easily cut with a variety of surgical instruments.

The firm nature of the material allows carving with a sharp instrument without collapsing the pore structure.

The new larger TSI has a BARRIER™ surface on the side facing the dura making the implant a bit stiffer, which could provide extra support for a fat graft

The new larger TSI may be appropriate for larger openings in the sella or “extended approaches”

<http://www.porexurgical.com/english/surgical/sprodtranssphenoidal.asp>

Craniotomy Gap Filler

The MEDPOR® Craniotomy Gap Filler is designed to fill a gap often left after a craniotomy. The Craniotomy Gap Filler has a flat top surface to cover over the width of the gap with a thin "V" shaped extension designed to be pushed into the gap and expand.

<http://www.porexurgical.com/english/surgical/sprodcraniotomygapfiller.asp>

<http://www.porexurgical.com/english/surgical/svideos.asp>

PUBLICATIONS

Peer-Reviewed Publications

1. Hafeez A, Elmadhoun O, Peng C, Ding JY, Geng X, **Guthikonda M**, Ding Y: Reduced apoptosis by ethanol and its association with PKC- δ Akt signaling in ischemic stroke. Ageing and Disease 5(6): 366-372, 2014

- Schreckinger M, Walker B, Knepper J, Hornyak M, Hong D, Kim JM, Folbe A, **Guthikonda M**, Mittal S, Szerlip NJ: Post-operative diabetes insipidus after endoscopic transsphenoidal surgery. *Pituitary* 16(4): 445-451, 2013

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

- Jung EW, Rakowski JT, Delly F, Jagannathan J, Konski AA, **Guthikonda M**, Kim H, Mittal S: Gamma Knife radiosurgery in the management of brainstem metastases. *Clinical Neurology and Neurosurgery* 115(10): 2023-2028, 2013
- Mittal S, Monsell EM, Narayanan S, Kupsky WJ, **Guthikonda M**, Mittal S: Synchronous occurrence of paraganglioma of the glomus jugulare and olfactory groove meningioma. *Clinical Neuropathology* 32(4): 328-331, 2013
- Kochanski R, Peng C, Higashida T, Geng X, Hüttemann M, **Guthikonda M**, Ding Y: Neuroprotection conferred by post-ischemia ethanol therapy in experimental stroke: an inhibitory effect on hyperglycolysis and NADPH oxidase activation. *Journal of Neurochemistry* 126(1): 113-121, 2013
- Dornbos D 3rd, Zwagerman N, Guo M, Ding JY, Peng C, Esmail F, Sikharam C, Geng X, **Guthikonda M**, Ding Y: Preischemic exercise reduces brain damage by ameliorating metabolic disorder in ischemia/reperfusion injury. *Journal of Neurological Research* 91(6): 818-827, 2013
- Fu P, Peng C, Ding JY, Asmaro K, Sullivan JM, **Guthikonda M**, Ding Y: Acute administration of ethanol reduces apoptosis following ischemic stroke in rats. *Neurosciences Research* 76(1-2): 93-97, 2013
- Geng X, Fu P, Ji X, Peng C, Fredrickson V, Sy C, Meng R, Ling F, Du H, Tan X, Hüttemann M, **Guthikonda M**, Ding Y: Synergetic neuroprotection of normobaric oxygenation and ethanol in ischemic stroke through improved oxidative mechanism. *Stroke* 44(5): 1418-1425, 2013
- Peng C, Li WA, Fu P, Chakraborty T, Hussain M, **Guthikonda M**, Rafols JA, Ding Y: At low doses ethanol maintains blood brain barrier (BBB) integrity after hypoxia and reoxygenation: a brain slice study. *Neurological Research* 35(8): 790-797, 2013
- Nundkumar N, **Guthikonda M**, Mittal S: Peritumoral edema following Gamma Knife radiosurgery as the primary treatment for intraventricular meningiomas. *Journal of Clinical Neurosciences* 20(4): 616-618, 2013
- Wang T, Chou DY, Ding JY, Fredrickson V, Peng C, Schafer S, **Guthikonda M**, Kreipke C, Rafols JA, Ding Y: Reduction of brain edema and expression of aquaporins with acute ethanol treatment after traumatic brain injury. *Journal of Neurosurgery* 118(2): 390-396, 2013

12. Geng X, Parmar S, Li X, Peng C, Ji X, Chakraborty T, Li WA, Du H, Tan X, Ling F, **Guthikonda M**, Rafols J, Ding Y: Reduced apoptosis by combining normobaric oxygenation with ethanol in transient ischemic stroke. *Brain Research* 1531: 17-24, 2013
13. Nation JJ, Shkoukani M, **Guthikonda M**, Folbe AJ: A novel technique for pedicled nasoseptal flap takedown in revision skull base surgery. *Journal of Neurological Surgery. Part B, Skull Base* 74(4): 225-227, 2013

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

14. Yuan Y, Peng C, Li K, Hussain M, Sikharam C, **Guthikonda M**, Ding Y: Ethanol reduces expression of apoptotic proteins after hypoxia/reoxygenation in a brain slice model. *Neurological Research* 34(4): 373-378, 2012
15. Shenaq M, Kassem H, Peng C, Schafer S, Ding JY, Fredrickson V, **Guthikonda M**, Kreipke CW, Rafols JA, Ding Y: Neuronal damage and functional deficits are ameliorated by inhibition of aquaporin and HIF 1 α after traumatic brain injury (TBI). *Journal of Neurological Sciences* 323(1-2): 134-140, 2012
16. Schreckinger M, Francis T, Rajah G, Jagannathan J, **Guthikonda M**, Mittal S: Novel strategy to treat a case of recurrent lymphocytic hypophysitis using rituximab. *Journal of Neurosurgery* 116(6): 1318-1323, 2012
17. Ali A, Konakondla S, Zwagerman NT, Peng C, Schafer S, Ding JY, Dornbos D 3rd, Sikhawam C, Geng X, **Guthikonda M**, Kreipke CW, Rafols JA, Ding Y: Glycerol accumulation in edema formation following diffuse traumatic brain injury. *Neurological Research* 34(5): 462-468, 2012
18. Xavier AR, Rayes M, Pandey P, Tiwari A, Kansara A, **Guthikonda M**: The safety and efficacy of coiling multiple aneurysms in the same session. *Journal of Neurointerventional Surgery* 4(1): 27-30, 2012
19. Higashida T, Kreipke CW, Rafols JA, Peng C, Schafer S, Schafer P, Ding JY, Dornbos D 3rd, Li X, **Guthikonda M**, Rossi NF, Ding Y: The role of hypoxia-inducible factor-1 α , aquaporin-4, and matrix metalloproteinase-9 in blood- brain barrier disruption and brain edema after traumatic brain injury. *Journal of Neurosurgery* 114(1): 92-102, 2011
20. Higashida T, Peng C, Li J, Dornbos D 3rd, Teng K, Li X, Kinni H, **Guthikonda M**, Ding Y: Hypoxia-Inducible Factor-1 α Contributes to Brain Edema after Stroke by Regulating Aquaporins and Glycerol Distribution in Brain. *Current Neurovascular Research* 8(1): 44-51, 2011
21. Kinni H, Guo M, Ding JY, Konakondla S, Dornbos D 3rd, Tran R, **Guthikonda M**, Ding Y: Cerebral metabolism after forced or voluntary physical exercise. *Brain Research* 1388, 48-55, 2011
22. Pandey P, Rayes M, Hong D, **Guthikonda M**, Xavier A: Endovascular management of a giant aneurysm through saphenous vein graft after extracranial-intracranial bypass: case

report and literature review saphenous vein graft after extracranial-intracranial bypass: case report and literature review. *Journal of NeuroInterventional Surgery*, 2011

23. Higashida T, Colen CB, **Guthikonda M**: Diagnostic and therapeutic strategy for confounding radiation myelitis. *Clinical Neurology and Neurosurgery*; 112(4):353-356, 2010

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

24. Zwagerman N, Plumlee C, **Guthikonda M**, Ding Y: Toll-like receptor-4 and cytokine cascade in stroke after exercise. *Neurological Research*; 32(2): 123-126, 2010
25. Rayes M, Colen CB, Bahgat DA, Higashida T, **Guthikonda M**, Rengachary S, Eltahawy HA: Safety of instrumentation in patients with spinal infection. *Journal of Neurosurgery: Spine* 12(5): 647-659, 2010
26. Rhiew RA, Manjila S, Lozen A, **Guthikonda M**, Sood S, Kupsky WJ: Leptomeningeal dissemination of a pediatric neoplasm with 1p19q deletion showed mixed immunohistochemical features of an oligodendroglioma and neurocytoma. *Acta Neurochir (Wien)* 152(8): 1425-1429, 2010
27. Goel G, Guo M, Ding J, Dornbos D 3rd, Ali A, Shenaq M, **Guthikonda M**, Ding Y: Combined effect of tumor necrosis factor (TNF)-alpha and heat shock protein (HSP)-70 in reducing apoptotic injury in hypoxia: a cell culture study. *Neuroscience Letters* 483(3): 162-166, 2010
28. Conley A, Manjila S, Guan H, **Guthikonda M**, Kupsky WJ, Mittal S: Non-Langerhans cell histiocytosis with isolated CNS involvement: an unusual variant of Erdheim-Chester disease. *Neuropathology* 30(6): 634-647, 2010
29. Colen CB, Rayes M, Kupsky WJ, **Guthikonda M**: Synchronous meningioma and anaplastic large cell lymphoma. *Neuropathology* 30(3): 260-266, 2010
30. Pandey P, Rayes M, **Guthikonda M**, Xavier A: Peripheral ophthalmic artery aneurysm associated with multiple intracranial aneurysms: a case report. *Journal of NeuroInterventional Surgery* 2(3): 211-212, 2010
31. Manjila S, Haroon N, Parker B, Xavier AR, **Guthikonda M**, Rengachary SS: Albert Wojciech Adamkiewicz (1850-1921): unsung hero behind the eponymic artery. *Neurosurgical Focus*: 26(1): E2, 2009
32. Park J, Kim E, Kim GJ, Hur YK, **Guthikonda M**: External decompressive craniectomy including resection of temporal muscle and fascia in malignant hemispheric infarction. *Journal of Neurosurgery*: 110(1): 101-105, 2009
33. Rengachary SS, Xavier A, Manjila S, **Guthikonda M**: Human resuscitation in the 17th century: an interesting case report. *Surgical Neurology*: 71(4): 408-410, 2009

34. Rengachary SS, Colen C, Dass K, **Guthikonda M**: Development of anatomic science in the late middle ages: the roles played by Mondino de Liuzzi and Guido da Vigevano. *Neurosurgery*; 65(4): 787-793, 2009
35. Manjila S, Rengachary SS, Xavier AR, **Guthikonda M**: The departmental chair in Western medicine: a tale of the first and foremost. Historical vignette. *Journal of Neurosurgery* 111(5): 1102-1106, 2009

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

36. Rhiew R, Manjila S, Dezure A, Tabbosha M, **Guthikonda M**, Eltahawy H: Minimally invasive anterior vertebroplasty for C-2 metastatic lesions. *Neurosurgical Focus*; 25(2):E4, 2008
37. Rengachary SS, Colen C, **Guthikonda M**: Charles-Edouard Brown-Séquard: an eccentric genius. *Neurosurgery*; 62(4):954-964; discussion 964, 2008
38. Rengachary S, Pelle D, **Guthikonda M**: Contributions of Johann Jacob Huber to the Surface Anatomy of the Spinal Cord and Meninges. *Neurosurgery*, 62(6): 1370-1374, 2008
39. Rengachary SS, Lee J, **Guthikonda M**: Medicosocial problems engendered with the discovery of the Bell-Magendie Law. *Neurosurgery*; 63(1):164-171; discussion 171-2, 2008
40. Hoa M, Rhiew R, Kupsy WJ, **Guthikonda M**, Monsell EM: Glioblastoma multiforme after microsurgery for acoustic neuroma without radiotherapy: limitations of the Cahan criteria. *Otolaryngology and head and neck surgery*; 139(2): 323-324, 2008
41. Renagachary S, Xavier A, Manjila S, Smerdon U, Parker B, Hadwan S, **Guthikonda M**: The legendary contributions of Thomas Willis (1621–1675): the arterial circle and beyond. *Journal of Neurosurgery*; 109: 765-775, 2008
42. Manjila S, Rengachary S, Xavier AR, Parker B, **Guthikonda M**: Modern psychosurgery before Egas Moniz: a tribute to Gottlieb Burckhardt. *Neurosurgical Focus*: 25(1):E9, 2008
43. Mathupala SP, Mittal S, **Guthikonda M**, Sloan AE: MicroRNA and brain tumors: a cause and a cure? *DNA Cell Biology* 26, 301-310, 2007
44. Hu J, Jin X, Lee JB, Zhang L, Chaudhary V, **Guthikonda M**, Yang KH, King AI: Intraoperative brain shift prediction using a 3D inhomogeneous patient-specific finite element model, *Journal of Neurosurgery* 106:164-169, 2007
45. Colen CB, Rayes M, **Guthikonda M**, Rengachary S: Outcome of Cerebral Abscess by C. Perfringens, *Neurosurgery* 61:6, 2007
46. Mathupala SP, **Guthikonda M**, Sloan AE: RNAi Based Approaches to the Treatment of Malignant Glioma, *Technology in Cancer Treatment and Research*, 5: 261-270, 2006

47. Kaur G, Tan J, Alam M, Chaudhary V, Chen D, Dong M, Eltahawy H, Fotouhi F, Gammage C, Gong J, Grosky W, **Guthikonda M**, Hu J, Jeyaraj D, Jin X, King A, Landman J, Lee J, Li QH, Lufei H, Morse M, Patel J, Sethi I, Shi W, Yang K, Zhang Z: CASMIL: A comprehensive software / toolkit for image-guided neurosurgeries. *The International Journal of Medical Robotics and Computer Assisted Surgery*, 2: 123-138, 2006

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

48. Park J, **Guthikonda M**: The Medpor Sheet as a sellar Buttress after Endonasal Transsphenoidal Surgery: Technical Note, *Surgical Neurology*, 62: 488-493, 2004
49. Ding Y, Li J, Luan X, Lai Q, McAllister JP, Phillis JW, Clark JC, **Guthikonda M**, Diaz FG: Local saline infusion into ischemic territory induces regional brain cooling and neuroprotection in rats with transient middle cerebral artery occlusion, *Neurosurgery* 54: 956-964, 2004
50. Barami K, Hernandez V, Diaz FG, **Guthikonda M**: Paraclinoid Carotid Aneurysms: Surgical Management, Complications, and Outcome Based on a New Classification Scheme, *Skull Base Surgery*, 13(2), 31-41, 2003
51. Vinas FC, Gordon V, **Guthikonda M**, Diaz FG: Surgical management of cavernous malformations of the brainstem, *Neurological Research* 24: 61-72, 2002
52. Park HK, Dujovny M, Diaz FG, **Guthikonda M**: Biomechanical properties of high-density polyethylene for pterional prosthesis, *Neurological Research* 24: 671-676, 2002
53. **Guthikonda M**, Guyot, L, Diaz, F: Future of extracranial-intracranial bypass; *Neurological Research*, 24: S80-S83, 2002
54. **Guthikonda M**, Park J: Extreme Lateral Transcondylar Approach, *Operative Techniques in Neurosurgery*, 12(2): 120-128, 2002
55. Shibuya TY, Doerr TD, Mathog RH, Burgio DL, Meleca RJ, Yoo GH, **Guthikonda M**: Functional outcomes of the retromaxillary-infratemporal fossa dissection for advanced head and neck/skull base lesions, *Skull Base Surgery* 10: 109-117, 2000
56. Panigrahi M, Vinas FC, **Guthikonda M**: Endoscopic Third Ventriculostomy: Outcome Analysis of 100 Consecutive Procedures. *Neurosurgery*, 46(6):1534-1535, 2000
57. Diaz FG, **Guthikonda M**, Velardo B, Gordon V, Lazo A: Intracranial Angioplastic Techniques, *Techniques in Neurosurgery*, 6(2): 139-151, 2000
58. Wilner HI, Vinas F, Duffy C, Kupsy W, **Guthikonda M**: Magnetic resonance Imaging of Intracranial Plasmocytic Granuloma, *Skull Base Surgery*, 9(4): 265-270, 1999

59. Arden R, Pasha R, **Guthikonda M**: Transcolumellar Transcranial Approach to Transsphenoidal Hypophysectomy: Laryngoscope, 109(11):1880-1883, 1999
60. Castillo, C, Vinas, FC, **Guthikonda, M**, Diaz, FG: Microsurgical Anatomy of the Suboccipital Segment of the Vertebral Artery; Neurological Research, 20, 1998
61. Melgar MA, Zamorano L, Jiang Z, **Guthikonda M**, Gordon V, Diaz FG: Three-Dimensional Magnetic Resonance Angiography in the Planning of Aneurysm Surgery. Computer Aided Surgery 2:11-23, 1997

PUBLICATIONS (Continued)

Peer-Reviewed Publications (Continued)

62. Rizer, FM, **Guthikonda M**, et al: The Simultaneous Presentation of a Facial Nerve Neuroma and Otosclerosis. The American Journal of Otology, 15 (3):427-430, 1994
63. Rajakumar R, **Guthikonda M**, Tew JM Jr.: Advances in the Medical Management of Severe Head Injury. Advances in Clinical Neuroscience 4:169-186, 1994
64. Kohli C, **Guthikonda M**: New Procedures in Neurosurgery Convergence 5: 51-53, 1985

Case Reports and Reviews of the Literature

1. Colen CB, Rayes M, Kupsky WJ, **Guthikonda M**: Synchronous Meningioma and Primary T-Cell Lymphoma. Neuropathology 30(3): 260-266, 2010
2. Gonzalez-Martinez JA, **Guthikonda M**, Vellutini E, Zamorano L, Li Q, Kupsky W, Diaz FG: Intradural invasion of chordoma: two case reports. Skull Base 12(3):155-161, 2002
3. Lesley WS, Kupsky WJ, **Guthikonda M**: Intravascular Papillary Endothelial Hyperplasia Arising within a Posteroinferior Cerebellar Artery Aneurysm: Case Report and Review of the Literature. Neurosurgery 47(4): 961-966, 2000
4. **Guthikonda M**, Rengachary SS, Balko MG, Van Loveren HR: Lipofibromatous Hamartoma: Case Report and Review of the Literature. Neurosurgery 35: 127-132, 1994
5. Cerame MA, **Guthikonda M**, Kohli C: Extraneural Metastasis in Gliosarcoma: A Case Report and Review of the Literature. Neurosurgery 17: 413-418, 1985
6. **Guthikonda M**, Schmidek HH, Wallman LJ, Snyder T: Spinal Subdural Hematoma: Case Report and Review of the Literature. Neurosurgery 5: 614-616, 1979

Published Abstracts

1. Popovic B, Wilhelm SM, Pratik B, Parikh AM, Lee A, **Guthikonda M**: Evaluating Venous Thromboembolism (VTE) Prophylaxis in Neurosurgical Patients with Craniotomy. ACCP/ESCP International Congress on Clinical Pharmacology, Orlando, Florida, April 24-28, 2009
2. Zamorano L, Diaz F, **Guthikonda M**, Syrian M, Rakowski J, Fregene A: Gamma Knife Radiosurgery for Melanoma/Renal Cell Carcinoma Brain Metastases 1 - 10 Lesions with Optimized Margin Dose: Improved Tumor Control and Survival. 2007 Annual American Society of Clinical Oncology Meeting, June 2007
3. Li Q, **Guthikonda M**: The Application of Intraoperative MRI (iMRI) in the Transsphenoidal Resection of Pituitary Tumors Procedures: Initial Experience with Intraoperative MRI. Congress of Neurological Surgeons 2006 Annual Meeting, Chicago, October 7-12, 2006
4. **Guthikonda M**: Emergencies in Medicine/24th Edition: Often Missed Clues for Stroke, How Not to Miss. Park City, Utah, February 26 - March 3, 2006

5. Ding Y, Ding YH, Li J, McAllister JP, Fessler RD, **Guthikonda M**, Rafols J: International Stroke Conference 2005, Pre-Reperfusion Flushing of Saline into Ischemic Territory Improves Neurovascular Integrity by Reducing Matrix Metalloproteinase (MMP) up regulation in Stroke. 30th International Stroke Conference, New Orleans, Louisiana, February 2-4, 2005
6. **Guthikonda M**: Retro-Mandibular Subfacial Approach to High Glomus Vagale Tumors without Facial Nerve Mobilizations: Clinical Presentation and Anatomic Study. North American Skull Base Society Meeting, Lake Buena Vista, Florida, March 2001
7. **Guthikonda M**: Transfrontal Sinus Approach: Surgical Technique and Indications. North American Skull Base Society Meeting, Lake Buena Vista, Florida, March 2001

PUBLICATIONS (Continued)

Published Abstracts (Continued)

8. **Guthikonda M**: Unusual Radiological Feature of CP Angle Schwannoma. 11th Annual Meeting of the North American Skull Base Society Meeting. Double Tree, Paradise Valley Resort, Scottsdale, Arizona, March 2000
9. **Guthikonda M**: Management of Residual/Recurrent Pituitary Tumors. 11th Annual Meeting of the North American Skull Base Society, Double Tree, Paradise Valley Resort, Scottsdale, Arizona, March 2000
10. **Guthikonda M**: Variations in Exposure for Far-Lateral Approaches to Foramen Magnum: Retrospective Analysis of 26 Cases. 11th Annual Meeting of the North American Skull Base Society, Double Tree, Paradise Valley Resort, Scottsdale, Arizona, March 2000
11. Shibuya T, **Guthikonda M**: The Retromaxillary -Infratemporal Dissection in Treatment of Advanced Skull Base Lesions. 11th Annual Meeting of the North American Skull Base Society. Double Tree Paradise Valley Resort, Scottsdale, Arizona, March 2000
12. **Guthikonda M**: Transjugular Process Approach to the Jugular Foramen. 11th Annual Meeting of the North American Skull Base Society, Double Tree, Paradise Valley Resort, Scottsdale, Arizona, March 2000
13. **Guthikonda M**: The Retromaxillary-Infratemporal Dissection in Treatment of Advanced Skull Base Lesions. 10th Annual Meeting of North American Skull Base Society, Chicago Marriott Downtown, Chicago Illinois, May 1999
14. **Guthikonda M**: Reversible Subacute Herniation Syndrome: An Unusual Complication of Lumbar Spinal Fluid Drainage. 10th Annual North American Skull Base Society Meeting, Chicago Marriot Downtown, Chicago, Illinois, May 1999
15. **Guthikonda M**: Microanatomical Basis for the Fenestration of the Septum Pellucidum. American Association of Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April 1998
16. **Guthikonda M**: Microsurgical Anatomy and Surgical Approach to the Suboccipital Segment of the Vertebral Artery. American Association Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April 1998
17. **Guthikonda M**: Dural AV Fistula of Transverse Sigmoid Sinus: Experience with Direct Surgical Approach Combined with Skull-Base Techniques. American Association Neurological Surgery 66th Annual Meeting, Philadelphia, PA, April 1998
18. **Guthikonda M**: Plasma Cell Granuloma of the Sella: An Unusual Entity. Ninth Annual Meeting North American Skull Base Society, Kamuela, Hawaii, February 1998
19. **Guthikonda M**: Skull Base Techniques in the Management of Dural A-V Fistulae of the Transverse-Sigmoid Sinus Complex. 47th Annual Meeting of the Congress of Neurological Surgeons, New Orleans, Louisiana, September 1997
20. **Guthikonda M**: Skull Base Techniques in the Management of Dural A-V Fistulae of the Transverse-Sigmoid Sinus Complex. 47th Annual Meeting of the Congress of Neurological

- Surgeons, New Orleans, Louisiana, September 1997
21. **Guthikonda M:** MR Analysis of Pituitary Tumors with Lateral Extension into the Cavernous Sinus: Rational Surgical Management. North American Skull Base Society, Little Rock, Arkansas, March 1997
 22. **Guthikonda M, Diaz F:** Retrospective Analysis and Classification of C5-C6 Internal Carotid Artery Segment Aneurysms. North American Skull Base Society, Little Rock, Arkansas, March 1997
 23. **Guthikonda M, Diaz F:** Dural A-V Fistula of Transverse Sigmoid Sinus: Experience with Direct Surgical Approach Combined with Skull Base Techniques. North American Skull Base Society, Little Rock, Arkansas, March 1997

PUBLICATIONS (Continued)

Published Abstracts (Continued)

24. **Guthikonda M, Diaz F:** Transcavernous Approach to Basilar Apex Aneurysms. North American Skull Base Society, Little Rock, Arkansas, March 1997
25. **Guthikonda M:** Orbito-Frontal-Zygomatic Approach to Basilar Bifurcation Aneurysms. Neurosurgical Society of America/American Association of Neurological Surgeons, Laguna Niguel, California, May 1996
26. **Guthikonda M:** Transsylvian Transcavernous Approach to Basilar Bifurcation Aneurysms - Experience with Twelve Cases. North American Skull Base Society Annual Meeting, Naples, Florida, February 1995
27. **Guthikonda M, Van Loveren HR:** Carotid Occlusion Tolerance: Evaluation by Combined Balloon Test Occlusion and HMPAO Study. North American Skull Base Society Annual Meeting, Scottsdale, Arizona, February 1993
28. Van Loveren HR, **Guthikonda M:** Rational Approach to Lesions of Cavernous Sinus. American Association of Neurological Surgeons Annual Meeting, Boston, MA, April 1993
29. Tew JM Jr., **Guthikonda M:** Skull Base Meningioma: Anatomical Classification and Surgical Management. Harvard Neurological Surgery Meeting, December 1992

Book Authorships, Editorships, and Chapters

1. **Guthikonda M, Diaz FG:** Surgical Management of Paraclinoid Carotid Aneurysms. In: Neurosurgical Operative Atlas Vol. 8. American Association of Neurological Surgeons, 1999
2. Diaz FG, **Guthikonda M, Velardo BF, Fessler RD, Gordon V:** Complex Intracranial Aneurysms. Harcourt Brace & Co LTD 1999
3. Guyot LL, Duffy CB, **Guthikonda M:** Epidural Abscess, Subdural Empyema and Brain Abscess. In: Atlas of Neurosurgical Techniques. Thieme Publishers, 1999
4. Diaz FG, **Guthikonda M, Guyot L, Velardo B, Gordon V:** Surgical Management of Complex Middle Cerebral Artery Aneurysms. In: Neurologia medico-chirurgia, Vol 38 Supplement, Proceedings of the 5th IWCVS; SciMed Publications, pp. 50-57, 1998
5. Rengachary SS, **Guthikonda M, Diaz F:** Dural Substitutes. In: Calvarial and Dural Reconstruction. AANS Publications Committee. Setti S. Rengachary, MD and Edward C. Benzel, MD, Editors. Neurosurgical Topics. AANS 1998
6. **Guthikonda M, Van Loveren, HR:** Guidelines For Positioning In Neurological Surgery; In: The Practice of Neurosurgery, Tindall G.T., Cooper P.R. Barrow, D.L.; P. 413-425; Williams & Wilkins; 1996
7. Van Loveren HR, **Guthikonda M, El-Kalliny M, Keller J:** Surgical Anatomy of the Cavernous Sinus. In: Neurosurgery, Second Ed. Vol. II. Rengachary SS, Wilkins, RH, McGraw Hill; 1996
8. **Guthikonda M, Diaz FG:** Basilar Bifurcation Aneurysms: Transsylvian Transclinoidal Transcavernous Approach; In: Neurosurgical Operative Atlas, Volume 5; American Association of Neurological Surgeons; 1996

9. **Guthikonda M**, Schmidek, HH: Acute Cerebellar Infarction: A Potential Surgical Emergency
In: Neuro-Ophthalmology Focus, J. Lawton Smith 1980

PRESENTATIONS

International Invited Lectures and Presentations

1. **Guthikonda M**: Invited Guest Speaker and Surgeon, Baba Specialties Hospital, Bangalore, India, February 2014
2. **Guthikonda M**: Didactic Cadaveric Dissection: Skull Base Surgical Demonstration. Invited Guest Speaker, 5th Indian Skull Base Society Meeting, Bangalore, India, September 4-6, 2003
3. **Guthikonda M**: Ophthalmic Segment Aneurysms: Classification. Honored Guest Presentation, 5th Indian Skull Base Society Meeting, Bangalore, India, September 4-6, 2003
4. **Guthikonda M**: Tuberculum Sellar Meningiomas: Management, Honored Guest Presentation. 5th Indian Skull Base Society Meeting, Bangalore, India, September 4-6, 2003
5. **Guthikonda M**: Approaches for Microsurgery of the Foramen Magnum. 55th Chilean Neurological Society Meeting, Lasarena, Chile, October 2000
6. **Guthikonda M**: Management of Complications of Cranial Base Surgery. 55th Chilean Neurological Society Meeting, Chile, October 2000
7. **Guthikonda M**: Microsurgical Treatment of Acoustic Neuromas, 55th Chilean Neurological Society Meeting, Lasarena, Chile, October 2000
8. **Guthikonda M**: Microsurgery of Petroclival Meningiomas. 55th Chilean Neurological Society Meeting, Lasarena, Chile, October 2000
9. **Guthikonda M**: Introduction Philosophy Concepts of Skull Base Surgery. 55th Chilean Neurological Society Meeting, Lasarena, Chile, October 2000
10. **Guthikonda M**: Carotid Ophthalmic Aneurysms. 55th Chilean Neurological Society Meeting, Lasarena, Chile, October 2000
11. **Guthikonda M**: Transsphenoidal Hypophysectomy: Resident Instruction. Nizam Institute of Medical Sciences, Hyderabad, India, August 2000
12. **Guthikonda M**: Management of Meningiomas of Posterior Fossa. Neurological Surgery Department, Gandhi Medical College, Hyderabad, India, August 2000
13. **Guthikonda M**: Skull Base Surgery: Work Shop. SV Institute of Medical Sciences, Tirupati, India, August 2000
14. **Guthikonda M**: CEA Technique and Principles. Twin City Neurological Society, Hyderabad, India, July 2000
15. **Guthikonda M**: Skull Base Approaches to Posterior Fossa Lesions: A Review of Techniques. Breakfast Seminar, 40th Annual Meeting, Neurological Society of India, December 1999
16. **Guthikonda M**: Skull Base Surgery Workshop (Primary Neurosurgeon). Apollo Hospital, Hyderabad, India, January 1997
17. **Guthikonda M**: Skull Base Surgical Techniques for Common Surgical Problems. Congress of Neurological Surgeons Annual Meeting, Montreal, Quebec, Canada, September 1996

18. **Guthikonda M:** Transsylvian Transcavernous Approach to Basilar Bifurcation Aneurysms - Experience with Twelve Cases. Neurological Society of India Annual Meeting, Bangalore, India, December 1994
19. **Guthikonda M:** Skull Base Surgery-Anterior Approaches. Congress of Neurological Surgeons Annual Meeting, Vancouver, British Columbia, Canada, October 1993

PRESENTATIONS (Continued)

National Invited Lectures and Presentations

1. **Guthikonda M:** Instructor, Boot Camp: Fundamental Skills. Society of Neurological Surgeons. Chicago, IL. July 20 - 21, 2012
2. **Guthikonda M:** Clival Chordomas: Multidisciplinary Approaches (SB), Moderator, XIV World Congress of Neurological Surgery 2009, Boston, Massachusetts, August 30 - September 4, 2009
3. **Guthikonda M:** The North American Skull Base Society, "History, Education, and Futuristic Techniques", Practical Course Instructor, Phoenix, Arizona, February 16-19, 2006
4. **Guthikonda M:** Meet the Professor Breakfast Session: 15th Annual Meeting, North American Skull Base, New Orleans, Louisiana, February 11-17, 2004
5. **Guthikonda M:** Hands-on Laboratory Session II: Middle Cranial Fossa and Infratemporal Fossa. 15th Annual Meeting, North American Skull Base, New Orleans, Louisiana, February 11-17, 2004
6. **Guthikonda M:** Resident Presentation: ANSPACH, Palm Beach, Florida, November 6-11, 2003
7. **Guthikonda M:** Symptomatic Lactoroph Hyperplasia in Pregnancy Mimicking Pituitary Adenoma. 8th International Pituitary Congress, Waldorf Astoria, New York City, New York, June 22-25, 2003
8. **Guthikonda M:** Posterior-Cranial Base Approaches, Transjugular Approach. 14th Annual Meeting of the North American Skull Base Society, Memphis, Tennessee, February 19-21, 2003
9. **Guthikonda M:** A One Day Comprehensive Course on Tumors and Functional Disorders of the Cranial Nerves of the Posterior Fossa. Faculty, Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 21-26, 2002
10. **Guthikonda M:** Skull Base Approaches and Microvascular Decompression. , Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 21-26, 2002
11. **Guthikonda M:** A One Day Comprehensive Course on Tumors and Functional Disorders of the Cranial Nerves of the Posterior Fossa. Faculty, Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 21-26, 2002
12. **Guthikonda M:** Skull Base Approaches and Microvascular Decompression. , Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 21-26, 2002
13. **Guthikonda M:** Skull Base Tumors: Treatment and Complications. American Association of Neurological Surgeons Annual Meeting, April 2002
14. **Guthikonda M:** Sellar Reconstruction with Porous High-Density Material in Transsphenoidal Surgery. North American Skull Base Society Annual Meeting, February 2002
15. **Guthikonda M:** Microvascular Decompression: Techniques. North American Skull Base Society Annual Meeting, February 2002
16. **Guthikonda M:** Approaches of Jugular Foramen and Glomus Jugulare Tumors (Abstract).

- Mayfield Clinic-Cleveland Clinic, Snowmass, Colorado, October 2001
17. **Guthikonda M:** Moderator, Management of Skull Base Meningiomas. North American Skull Base Society Meeting, Lake Buena Vista, Florida, March 2001
 18. **Guthikonda M:** Lateral Approaches to Tumors and Aneurysms: Application of the Transcondylar, Far Lateral, and Extreme Lateral Approaches. American Association of Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April 1998
 19. **Guthikonda M:** Microsurgical Anatomy of the Suboccipital Segment of the Vertebral Artery 47th Annual Meeting of the Congress of Neurological Surgeons New Orleans, LA, September 1997

PRESENTATIONS (Continued)

National Invited Lectures and Presentations (Continued)

20. **Guthikonda M:** Lateral Transcondylar Approach: Surgical Anatomy and Clinical Aspects. George Washington Neurological Institute, Washington, D.C., June 1997
21. **Guthikonda M:** Anterolateral Approaches: Pterional & Subtemporal Infratemporal Approaches. George Washington Neurological Institute, Washington, D.C., June 1997
22. **Guthikonda M:** Petrosal Approach Course Faculty. North American Skull Base Society, Little Rock, Arkansas, March 1997
23. **Guthikonda M:** New Classification for Aneurysms of the Ophthalmic Segment Advances in Clinical Neurosurgery 1997. Mayfield Clinic-Cleveland Clinic Winter Neuroscience Symposium, Snowmass, Colorado, February 1997
24. **Guthikonda M:** Microvascular Decompression for Trigeminal Neuralgia. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, October 1996
25. **Guthikonda M:** Classification of C2-C3 ICA Aneurysm and Surgical Experience. 2nd International Skull Base Congress, San Diego, California, June 1996
26. **Guthikonda M:** Endoscopic Management of Petrous Apex Cholesterol Granuloma. 2nd International Skull Base Congress, San Diego, California, June 1996
27. **Guthikonda M:** Surgical Experience with Transclinoidal Transcavernous Clipping of Basilar Bifurcation Aneurysms. 2nd International Skull Base Congress, San Diego, California, June 1996
28. **Guthikonda M:** Orbito Cranial Approach to Anterior Communicating Aneurysms. 2nd International Skull Base Congress, San Diego, California, June 1996
29. **Guthikonda M:** Lateral Approaches to the Skull Base. American Association of Neurological Surgeons Annual Meeting, Minneapolis, Minnesota, April 1996.
30. **Guthikonda M:** Optic Nerve Surgery - Traumatic Optic Neuropathy. Neuro-Ophthalmic Surgical Society, Hawaii, March 1996
31. **Guthikonda M:** Neuro-Ophthalmic Implications. Neuro-Ophthalmic Surgical Society, Hawaii, March 1996
32. **Guthikonda M:** Anatomy of the Orbital Apex and Superior Orbital Fissure-Neurological Perspective Neuro-Ophthalmic Surgical Society, and Cranio-Orbital Neuro-Ophthalmic Surgical Society, Hawaii, March 1996
33. **Guthikonda M:** Skull Base Surgery - Lateral Approaches. American Association of Neurological Surgery Annual Meeting, Orlando, Florida, April 1995
34. **Guthikonda M:** Skull Base Surgery - Anterior Approaches. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois. (Abstract), October 1994
35. **Guthikonda M:** Skull-Base Approaches to Tumors and Aneurysms. American Association of Neurological Surgeons Annual Meeting, San Diego, California, April 1994
36. **Guthikonda M:** Surgical Approaches to the Skull Base, North American Skull Base Society Annual Meeting, Orlando, Florida, February 1994

37. **Guthikonda M:** Skull Base Surgery - Anterior Approaches American Association of Neurological Surgery Annual Meeting Boston, Massachusetts, April 1993
38. **Guthikonda M:** Skull Base Surgery - Anterior Approaches. Congress of Neurological Surgeons, Annual Meeting, Washington, DC, October 1992
39. **Guthikonda M:** Surgery of the Skull Base: A Practical Course. University of Cincinnati, September 1992

PRESENTATIONS (Continued)

Local/Regional Invited Lectures and Presentations

1. **Guthikonda M:** Minimally Invasive Brain Surgery; Advances in Neurosurgery. Plymouth, Michigan. October 20, 2012
2. **Guthikonda M:** Minimally Invasive Brain Surgery, West Bloomfield Rotary Club, August 16, 2012
3. **Guthikonda M:** Minimally Invasive Brain Surgery: What is New 2012. Michigan Association of Neurological Surgeons, Boyne City, Michigan. June 9, 2012
4. **Guthikonda M:** Current Management of Meningiomas: Michigan Association of Neurological Surgeons – Summer Conference 2008. June 14, 2008
5. **Guthikonda M:** Pituitary Tumor Management and Controversies. Invited Speaker, Greater Detroit Endocrine Club, March 3, 2005
6. **Guthikonda M:** Anspach Neurosurgery Skull Base Course, Petrosal Craniotomy for Management of Tumors Involving the Middle and Upper Clivus, Providence Hospital, Southfield, Michigan, September 11-12, 2004
7. **Guthikonda M:** Anspach Neurosurgery Skull Base Course, Far Lateral Craniotomy/Transchondylar Approach for Lower Clival Tumors and Posterior Circulation Aneurysms, Providence Hospital, Southfield, Michigan, September 11-12, 2004
8. **Guthikonda M:** Management Dilemma of Cystic Pituitary Lesions. Michigan Association of Neurological Surgeons (MANS), Ypsilanti Marriot at Eagle Crest, Ypsilanti, Michigan, June 27-29, 2003
9. **Guthikonda M:** Advances in Acoustic Neuroma Management. The VI Detroit Neurosurgery Symposium, Detroit, Michigan, September 2002
10. **Guthikonda M:** Management of Residual or Recurrent Pituitary Tumors. Michigan Association of Neurological Surgeons, Grand Traverse Resort and Hotel, Traverse City, Michigan, June 2000
11. **Guthikonda M:** Orbitocranial Approaches to Cavernous Sinus and Clinoidal Segment of ICA: Hands-On-Cadaver Course. Congress of Neurological Surgeons, Boston, Massachusetts, October 1999
12. **Guthikonda M:** Navigational Systems: Value in Transsphenoidal Surgery. Michigan Association of Neurological Surgeons Annual Meeting, Treetops Resort, Gaylord, Michigan, June 1999
13. **Guthikonda M:** Subarachnoid Hemorrhage: New Treatment Strategies. Michigan State Medical Society, Ritz-Carlton, Dearborn, Michigan, November 1998
14. **Guthikonda M:** Pituitary Tumors - Diagnosis and Management. Michigan State Medical Society, Ritz-Carlton, Dearborn, Michigan, November 1998
15. **Guthikonda M:** Dural A-V Fistula of Transverse Sigmoid Sinus: Experience with Direct Surgical Approach Combined with Skull Base Techniques. Michigan Association of Neurological Surgeons Annual Meeting, Thompsonville, Michigan, June 1998

16. **Guthikonda M:** Diagnosis and Management of Stroke. Michigan Association of Neurological Surgeons Annual Meeting, Thompsonville, Michigan, June 1998
17. **Guthikonda M:** Primary Care of Neurological Disorders & Disease Review of Spinal Stenosis: Treatment and Prognosis. Michigan Association of Neurological Surgeons, Lewiston, Michigan, 1997
18. **Guthikonda M:** Trigeminal Neuralgia Roundtable Discussion. The Third Detroit Neurosurgical Symposium: Microsurgery vs. Radiosurgery, Detroit, Michigan, November 1996

PRESENTATIONS (Continued)

Local/Regional Invited Lectures and Presentations (Continued)

19. **Guthikonda M:** Meningiomas/Pituitary Tumors/Other Skull Base Tumors Roundtable Discussion. The Third Detroit Neurosurgical Symposium: Microsurgery vs. Radiosurgery, Detroit, Michigan, November 1996
20. **Guthikonda M:** Surgical Management of Brain Tumors. Grand Rounds, Department of Radiation Oncology, Wayne State University, Detroit, Michigan, September 1994

Invited Seminars and Grand Rounds

1. **Guthikonda M:** Management of CP angle tumors; anatomy and technical nuances. Neurosurgery Grand Rounds, Harper University Hospital, Detroit, Michigan, February 3, 2016
2. **Guthikonda M:** Management of Carotid Vascular Surgery and Other Extracranial Vascular Disorders. Neurosurgery Grand Rounds, Harper University Hospital, Detroit, Michigan, July 15, 2015
3. **Guthikonda M:** Nuances of Aneurysm Surgery. Neurosurgery Grand Rounds, Harper University Hospital, Detroit Michigan, July 30, 2014
4. **Guthikonda M:** Nuances of Aneurysm Clipping. Neurosurgery Grand Rounds. Harper University Hospital, Detroit, MI. July 6, 2011
5. **Guthikonda M:** Diagnostic Value of the Glasgow Coma Scale for Traumatic Brain Injury. Neurosurgery Grand Rounds. Harper University Hospital, Detroit, MI. May 25, 2011
6. **Guthikonda M:** Coagulation Disorders in Traumatic Brain Injury / Journal of Neurotrauma. Neurosurgery Grand Rounds – Journal Club. Harper University Hospital, Detroit, MI. May 25, 2011
7. **Guthikonda M:** Extra-Intracranial Bypass – Neurosurgery Grand Rounds Journal Club. Harper University Hospital, Detroit, MI. March 23, 2011
8. **Guthikonda M:** Subarachnoid Hemorrhage: Diagnosis and Management. Presented to Critical Care Fellows, Detroit Medical Center and Wayne State School of Medicine, Department of Internal Medicine. August 18, 2009
9. **Guthikonda M:** Pituitary Tumor and Pituitary Apoplexy Discussion. Grand Rounds, Department of Internal Medicine, Wayne State University, Detroit, Michigan, April 2004
10. **Guthikonda M:** Neurosurgery Review. Student Lecture Schedule for Junior Surgery Clerkship, Wayne State University, Department of Surgery, University Health Center, Detroit, Michigan, July 26, 2004
11. **Guthikonda M:** Management of Anterior Cranial Fossa Meningiomas. Grand Rounds, Department of Neurological Surgery, Wayne State University/Detroit Medical Center, Detroit, Michigan, March, 2004
12. **Guthikonda M:** Management of Perfusion Problems in Cerebral Aneurysms. Detroit Receiving Hospital - Critical Care Medicine Grand Rounds, Wayne State University School

of Medicine, Detroit, Michigan, November 1999