
RICARDO J. KOMOTAR, MD, FAANS, FACS

University of Miami Hospital
Department of Neurological Surgery
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FACULTY APPOINTMENTS

- 2016 – Present **Associate Professor**
Department of Neurological Surgery
University of Miami School of Medicine
Miami, FL
- 2011 – 2016 **Assistant Professor**
Department of Neurological Surgery
University of Miami School of Medicine
Miami, FL
- 2012 – Present **Associate Program Director**
Neurosurgery Residency Program
Department of Neurological Surgery
University of Miami School of Medicine
Miami, FL
- 2013 – Present **Program Director**
Clinical Fellowship in Surgical Neurooncology
Department of Neurological Surgery
University of Miami School of Medicine
Miami, FL
Approved - Committee on Accreditation of Subspecialty Training (SNS)
- 2013 – 2016 **Program Director**
Research Fellowship in Translational Neurooncology
Department of Neurological Surgery
University of Miami School of Medicine
Miami, FL

HOSPITAL APPOINTMENTS

- 2014 – Present **Medical Director of Brain Tumor Service**
University of Miami Hospital
Miami, FL
- 2012 – Present **Director of The University of Miami Brain Tumor Initiative**
University of Miami Health System

Miami, FL

2011 – Present

Director of Surgical Neurooncology
University of Miami Hospital
Miami, FL

2011 – Present

Co-Director of Surgical Neurooncology
Sylvester Comprehensive Cancer Center
Miami, FL

2011 – Present

Co-Director of Surgical Neurooncology
University of Miami Health Clinics
Miami, FL

EDUCATION / TRAINING

2010 – 2011

Memorial Sloan-Kettering Cancer Center
Surgical Neurooncology Fellowship
Department of Neurosurgery
New York, NY

2009 – 2010

Columbia University Medical Center
Chief Residency
Department of Neurological Surgery
New York, NY

2005 – 2009

Columbia University Medical Center
Neurosurgery Residency
Department of Neurological Surgery
New York, NY

2004 – 2005

Columbia University Medical Center
Research Fellowship
Neurological Institute of New York
New York, NY

2003 – 2004

Columbia University Medical Center
General Surgery Internship
Department of Surgery
New York, NY

1999 – 2003

The Johns Hopkins University
Doctor of Medicine
School of Medicine
Baltimore, MD

1995 – 1999

Duke University
B.S., Neuroscience
School of Arts and Sciences
Durham, NC

1997 – 1998

Oxford University

Neuropharmacology
St. Catherine's College
Oxford, UK

1991 – 1995

Dwight - Englewood High School
Englewood, NJ

PROFESSIONAL LICENSES

Licensed Physician in Medicine and Surgery - Florida
Licensed Physician in Medicine and Surgery - New York

BOARD CERTIFICATION

American Board of Neurological Surgery
American College of Surgeons

PROFESSIONAL MEMBERSHIPS

Fellow of the American College of Surgeons (FACS)
Congress of Neurological Surgeons (CNS)
American Association of Neurological Surgeons (AANS)
Society of Neurooncology (SNO)
North American Skull Base Society (NASBS)
Society of Neurological Surgeons (SNS) – guest member since 2011
Neurosurgical Society of America (NSA) – guest member 2012
AANS/CNS Section on Tumors
Florida Neurosurgical Society
Florida Brain Tumor Association

NATIONAL AND STATE COMMITTEES

2016	Board of Directors, CNS Foundation Congress of Neurological Surgeons
2015	Ad Hoc Committee for Joint Section Engagement Congress of Neurological Surgeons
2015	Scientific Planning Committee Congress of Neurological Surgeons Annual Meeting Plenary Section
2014	Scientific Review Committee Society of Neurooncology Annual Meeting
2014	Scientific Planning Committee Congress of Neurological Surgeons Annual Meeting Tumor Section

2014 – 2015	President Florida Neurosurgical Society
2013 – 2014	President Elect Florida Neurosurgical Society
2013 – current	NFL Concussion Committee Neurotrauma Expert Consultant
2013 – current	Medical Advisory Board Florida Brain Tumor Association
2013 – current	Board of Directors Florida Neurosurgical Society
2013 – current	Development Committee Chair, Congress of Neurological Surgeons
2013	Chair of Program Committee Florida Neurosurgical Society Annual Meeting
2013	Scientific Advisory Committee Biennial Satellite Tumor Symposium AANS/CNS Joint Section on Tumors
2012 – current	Exosomes National Steering Committee Harvard University, University of California San Diego
2012 – current	5-ALA/Gliolan National Steering Committee NxPharmaGen, Emory University
2012	Chair of Program Committee American Association of Neurological Surgeons Annual Meeting, Tumor Section
2011 – current	Executive Committee AANS/CNS Joint Section on Tumors
2011 – current	Education Committee Congress of Neurological Surgeons Chair, Case-Based Learning Team
2010 – current	Executive Committee Congress of Neurological Surgeons
2010 – current	Fellowships Committee Chair, Congress of Neurological Surgeons
2010 – current	Young Neurosurgeons Committee American Association of Neurological Surgeons

2010 – current **Neurosurgical Online Training Committee**
Bootcamp Subcommittee
American Association of Neurological Surgeons
Society of Neurological Surgeons

HOSPITAL COMMITTEES

2012 – current **Medical Compliance Committee**
University of Miami Hospital

2012 – current **Clinical Research Services (CRS) Advisory Committee**
Sylvester Comprehensive Cancer Center

2012 – current **User Advisory Group**
Sylvester Tissue Bank Core Facility

2011 – current **Surgical Review Committee**
University of Miami Hospital

2011 – current **Cancer Committee**
University of Miami Hospital

CHARITIES / FOUNDATIONS

2003 – Current **Annual Neurosurgery Charity Softball Tournament**
Benefiting Brain Tumor Research
Founder & Director
Sponsored by the New York Yankees
Supported by New York City Hall and Mayor Michael Bloomberg
Endorsed by the American Association of Neurological Surgeons
\$500,000 raised to date
www.NeuroCharitySoftball.org

2012 – Current **Brain Tumor Awareness Day at Miami Marlins Park**
Benefiting The University of Miami Brain Tumor Initiative
Founder & Director

LABORATORY EFFORTS

2013 - The UMBTI Translational Brain Tumor Research Laboratory
Lois Pope Life Center
University of Miami School of Medicine
Principal Investigators – Dr. Komotar and Dr. Graham
Collaborators – Drs. Wahlestedt, Ayad, Capobianco, Lemmon

GRANTS / FUNDING / CLINICAL INVESTIGATIONS

2004-2005 Neuropsychological Outcome following Carotid Endarterectomy
National Institute of Health

- T32 GM008464-12
Research Training Fellowship
Co-Investigator
- 2004-2005 Lamina Terminalis Fenestration in the Management of Aneurysmal SAH
Cohen/Rosenak Neuroscience Research Scholarship
Columbia University Medical Center
Co-Investigator
- 2011-2012 Heat Shock Protein Vaccine for Glioblastoma Multiforme
Agenus Inc.
University of Miami Medical Center
Principal Investigator
Multicenter Clinical Trial, Primary Site – UCSF
- 2011-2012 Concurrent Everolimus with temozolamide/XRT for Glioblastoma Multiforme
Radiation Therapy Oncology Group
University of Miami Medical Center
Co-Investigator
Multicenter Clinical Trial, Primary Site – H. Lee Moffitt Cancer Center
- 2012-2013 Exosome Analysis of Cerebrospinal Fluid in Glioblastoma Patients
University of Miami Medical Center
Co-Investigator
Multicenter Clinical Trial, Primary Site – UCSD
- 2011 - RedCap Brain Tumor Clinical Database
University of Miami Medical Center
Principal Investigator
- 2011 - Brain Tumor Tissue Bank and Fluid Repository
University of Miami Medical Center
Principal Investigator
- 2013 - Therapeutic Susceptibility of Glioblastoma Multiforme
University of Miami Medical Center
Principal Investigator
- 2013-2015 Heat Shock Protein Vaccine for Recurrent Glioblastoma Multiforme
Agenus Inc.
University of Miami Medical Center
Principal Investigator
Multicenter Clinical Trial, Alliance Cooperative Group
- 2013-2016 Multiparametric Volumetric MR Characterization of Intracranial Masses
University of Miami Medical Center
NIH-Funded
Co-Investigator

EDITORIAL POSITIONS

- 2015-2017: Neurosurgery (Red Journal) Supplement on Laser Thermal Therapy

Guest Editor

EDITORIAL BOARDS

- 2012 – Current: Frontiers in Neuro-oncology
- 2012 – Current: Journal of Nuclear Medicine & Radiation Therapy
- 2013 – Current: BMC Cancer
- 2015 – Current: Neurosurgery (Operative Neurosurgery)

SCIENTIFIC JOURNAL PEER REVIEWER

Neurosurgery
Journal of Neurosurgery
Journal of Neurooncology
Neurosurgical Focus
World Neurosurgery
Practical Reviews in Neurosurgery

CONSULTING CONTRACTS

Osteomed, LLC
Codman / Johnson & Johnson, Inc.
Medtronic, Inc.
Synaptive, Inc.

PATENTS

Osteomed Dural Knife – U.S. Patent Number D740,421

HONORS / AWARDS

University of Miami, Department of Neurological Surgery
2014 Faculty Teacher of the Year Award

Voices Against Brain Cancer – National Brain Tumor Awareness Committee
2015 Gary Lichtenstein Humanitarian Award Recipient

Emmy Awards 2012
Nomination
ABC Breakthrough Medicine - A Matter of the Mind: Extracting A Deadly Brain Tumor

Florida Super Doctors 2012 - Current
Selected Physician

Columbia University
N.I.H. T32 Research Training Fellowship
Cohen/Rosenak Neuroscience Research Fellowship

The Johns Hopkins University School of Medicine
Graduated Top 5% of Class
Outstanding Performance in Clinical Neuroscience
Outstanding Performance in Medical Basic Sciences

Duke University
Varsity Baseball Team, Atlantic Coast Conference
Graduated Top 1% of Class
Summa Cum Laude
Deans List with Distinction
Phi Beta Kappa National Honors Society
Rhodes Scholarship Finalist
Winston Churchill Scholarship Finalist

Oxford University
Thomas Jefferson Award
High Honors in Academics

Dwight-Englewood High School
1st Team All-State Selection in Football and Team Captain
1st Team All-State Selection in Baseball and Team Captain
Luke Ward Trophy - 1994 Athlete of the Year

PUBLICATIONS

1. **Komotar RJ**, Olivi A, Rigamonti D, Tamargo RJ: Microsurgical Fenestration of the Lamina Terminalis Reduces the Incidence of Shunt-Dependent Hydrocephalus following Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery*. 2002 Dec;51(6):1403-12.
2. **Komotar RJ**, Keswani SC, Wityk RJ: Meningioma Presenting as Stroke: Report of 2 Cases and Estimation of Incidence. *J Neurol Neurosurg Psychiatry*. 2003 Jan;74(1):136-7.
3. **Komotar RJ**, Clatterbuck RE: Coccidioidomycosis of the Brain, Mimicking en plaque Meningioma. *J Neurol Neurosurg Psychiatry*. 2003 Jun;74(6):806.
4. Gottesman RF, **Komotar RJ**, Hillis AE: Neurological Aspects of Traumatic Brain Injury. *International Review of Psychiatry*. 2003 Nov;15(4):302-9.
5. Mack WJ, **Komotar RJ**, Mocco J, Coon AL, Hoh DJ, King RG, Ducruet AF, Ransom ER, Oppermann M, DeLaPaz R, Connolly ES Jr.: Serial Magnetic Resonance Imaging in Experimental Primate Stroke: validation of MRI for pre-clinical cerebroprotective trials. *Neurol Res*. 2003 Dec;25(8):846-52.
6. **Komotar RJ**, Burger PC, Carson BS, Brem H, Olivi A, Goldthwaite PT, Tihan T: Pilocytic and Piloxyoid Hypothalamic/Chiasmatic Astrocytomas. *Neurosurgery*. 2004 Jan;54(1):72-80.

7. Bluebond-Langner R, Rha KH, Pinto PA, Varkarakis J, Douyon E, **Komotar RJ**, Jarrett TW, Kavoussi LR, Molmenti EP: Laparoscopic-assisted Renal Autotransplantation. *Urology*. 2004 May;63(5):853-6.
8. **Komotar RJ**, Mocco J, Connolly ES: Extreme Stretch Growth of Integrated Axons. *Neurosurgery*. 2004 Nov;55(5).
9. Molmenti EP, Varkarakis IM, Pinto P, Tiburi MF, Bluebond-Langner R, **Komotar RJ**, Montgomery RA, Jarrett T, Kavoussi LR, Ratner LE: Renal Transplantation with Iliac Vein Transposition. *Transplant Proc*. 2004 Nov;36(9):2643-5.
10. Mocco J, **Komotar RJ**, Lavine SD, Meyers PM, Connolly ES, Solomon RA: The Natural History of Unruptured Intracranial Aneurysms. *Journal of Neurosurgery - Neurosurg Focus*. 2004 Nov 15;17(5):e3.
11. **Komotar RJ**, Mocco J, Carson BS, Sughrue ME, Zacharia BE, Sisti AC, Canoll PD, Khandji AG Tihan T, Burger PC, Bruce JN: Pilomyxoid Astrocytoma: A Review. *MedGenMed*. 2004 Dec 9;6(4):42.
12. **Komotar RJ**, Carson BS, Rao C, Chaffee S, Goldthwaite PT, Tihan T: Pilomyxoid Astrocytoma of the Spinal Cord: Report of 3 Cases. *Neurosurgery*. 2005 Jan;56(1):191.
13. **Komotar RJ**, Mocco J, Wilson DA, Connolly ES, Lavine SD, Meyers PM: Current Endovascular Treatment Options for Intracranial Carotid Artery Atherosclerosis. *Journal of Neurosurgery - Neurosurg Focus*. 2005 Jan 15;18(1):e5.
14. **Komotar RJ**, Mocco J, Wilson DA, Connolly ES, Lavine SD, Meyers PM: The Natural History of Intracranial Carotid Artery Atherosclerosis. *Journal of Neurosurgery - Neurosurg Focus*. 2005 Jan 15;18(1):e4.
15. **Komotar RJ**, Connolly ES, Khandji A, Teitlebaum G, Lavine S: Clinicoradiological Review: Superior Cerebellar Artery Aneurysm Imitating Cerebellopontine Angle Tumor. *Neurosurgery*. 2005 Apr;56(4):836-40.
16. Anderson RC, Connolly ES, **Komotar RJ**, Mack WJ, McKhann GM, Van Orman CB, Hedlund G, Proctor KA, Townsend JJ, Walker ML: Clinicopathological Review: Tumefactive Demyelination in a 12-year-old Girl. *Neurosurgery*. 2005 May;56(5):1051-1057.
17. **Komotar RJ**, Connolly ES, Clatterbuck RE, Khandji A, Lavine S, Kaiser M: Clinicoradiological Review: Dural Arteriovenous Fistula and Cervical Spondylosis Mimicking Multiple Sclerosis. *Neurosurgery*. 2005 Jun;56(6):1325-1329.
18. Mocco J, Lozier AP, **Komotar RJ**, Silver AJ, Feldstein NA: Hypothalamic Hamartoma in Association with a Suprasellar Arachnoid Cyst: A Case Report. *Pediatr Neurosurg*. 2005 Mar-Apr;41(2):105-8.
19. Mocco J, Komotar RJ, Zacharia BE, Feldstein NA, Bruce JN: Aggressive Cranial Vault Decompression for Skull Hyperostosis. *Neurosurgery*. 2005 Jul;57(1 Suppl):211.
20. **Komotar RJ**, Zacharia BE, Mocco J, Ransom ER, Davis JP, Gasparis G, Bruce JN: Internet-Based Approach to Multi-Institutional Patient Recruitment in the Medico-Legal Age. *J Clin Oncol*. 2005 Jul 1;23(19):4471-4473.

21. Imielinska C, Lin X, Rosiene J, Sughrue ME, **Komotar RJ**, Mocco J, Ransom ER, Lignelli A, Zacharia BE, Connolly ES, D'Ambrosio AL: Toward Objective Quantification of Perfusion-weighted Computed Tomography in Subarachnoid Hemorrhage: Quantification of Symmetry and Automated Delineation of Vascular Territories. *Acad Radiol.* 2005 Jul;12(7):874-87.
22. **Komotar RJ**, Mocco J, Jones JE, Zacharia BE, Tihan T, Feldstein NA, Anderson RC: Pilomyxoid astrocytoma: diagnosis, prognosis, and management. *Journal of Neurosurgery - Neurosurg Focus.* 2005 Jun 15;18(6A):E7.
23. **Komotar RJ**, Mocco J, Ransom ER, Mack WJ, Zacharia BE, Wilson DA, Naidech AM, McKhann GM, Mayer SA, Fitzsimmons BF, Connolly ES: Herniation Secondary to Critical Postcraniotomy Cerebrospinal Fluid Hypovolemia. *Neurosurgery.* 2005 Aug;57(2):286-92; discussion 286-92.
24. **Komotar RJ**, Mocco J, Mack WJ, Ransom ER, Zacharia BE, King RG, Ducruet AF, Cohen HG, Arango VA, Connolly ES: Coregistration of Radiographic and Pathologic Infarct Territory in a Non-Human Primate Model of Stroke. *Neurol Res.* 2005 Sep;27(6):634-7.
25. Heyer EJ, Wilson DA, Sahlein D, Mocco J, Williams S, Sciacca R, Rampersad A, **Komotar RJ**, Zurica J, Benvenisty A, Quest DO, Todd G, Solomon RA, Connolly ES: APOE ϵ 4 Predisposes to Cognitive Dysfunction Following Uncomplicated Carotid Endarterectomy. *Neurology.* 2005 Dec 13;65(11):1759-63.
26. Mocco J, Wilson DA, Ducruet AF, **Komotar RJ**, Mack WJ, Zurica J, Sciacca RR, Heyer EJ, Connolly ES: Elevations in Preoperative Monocyte Count Predispose to Acute Neurocognitive Decline After Carotid Endarterectomy for Asymptomatic Carotid Artery Stenosis. *Stroke.* 2006 Jan;37(1):240-2.
27. Mocco J, **Komotar RJ**, Ladouceur AK, Zacharia BE, Goodman RR, McKhann GM: Radiographic Characteristics Fail to Predict Clinical Course Following Subdural Electrode Placement. *Neurosurgery.* 2006 Jan;58(1):120-5; discussion 120-5.
28. Mocco J, Ransom ER, **Komotar RJ**, Mack WJ, Luczak PB, Albert SM, Connolly ES: Racial Differenced in Cerebral Vasospasm – A Systematic Review of the Literature. *Neurosurgery.* 2006 Feb;58(2):305-14.
29. Sughrue ME, Mocco J, **Komotar RJ**, Mehra A, D'Ambrosio AL, Grobelny BT, Sisti AC, Penn DL, Connolly ES: An Improved Test of Neurological Dysfunction Following Cerebral Ischemia in Rats. *J Neurosci Methods.* 2006 Mar 15;151(2):83-9.
30. **Komotar RJ**, Mocco J, Zacharia BE, Wilson DA, Kim PY, Canoll PC, Goodman RR: Astrocytoma with Pilomyxoid Features Presenting in an Adult. *Neuropathology.* 2006 Feb;26(1):89-93.
31. **Komotar RJ**, Wilson DA, Mocco J, Jones JE, Connolly ES, Lavine SL, Meyers PM: Natural History of Intracranial Atherosclerosis – A Critical Review. *Neurosurgery.* 2006 Apr;58(4):595-601; discussion 595-601.
32. Mocco J, Wilson DA, **Komotar RJ**, Zurica J, Mack WJ, Halazun HJ, Hatami H, Sciacca RR, Connolly ES, Heyer EJ: Predictors of Neurocognitive Decline Following Carotid Endarterectomy. *Neurosurgery.* 2006 May;58(5):844-50; discussion 844-50.

33. **Komotar RJ**, Zacharia BE, Mocco J, Ransom ER, Davis JP, Gasparis G, Bruce JN, Anderson RCE: Internet-based Neurooncology Patient Recruitment. *Neurosurgery*. 2006 May;58(5):985-9; discussion 985-9.
34. Ransom ER, **Komotar RJ**, Mocco J, Connolly ES, Mullins KJ: Shunt Failure in Idiopathic Intracranial Hypertension Presenting with Spontaneous Cerebrospinal Fluid Leak - Case Report and Review of the Literature. *J Clin Neurosci*. 2006 Jun;13(5):598-602.
35. Coon AL, Arias-Mendoza F, Colby GP, Cruz-Lobo J, Mocco J, Mack WJ, **Komotar RJ**, Brown, TR, Connolly ES: Correlation of Cerebral Metabolites with Functional Outcome in Experimental Primate Stroke Using In Vivo 1-H-Magnetic Resonance Spectroscopy. *AJNR Am J Neuroradiol*. 2006 May;27(5):1053-8.
36. **Komotar RJ**, Zacharia BE, Ellis JA, Feldstein NA, Anderson RCE: Pitfalls for the pediatrician: positional molding or craniosynostosis? *Pediatr Ann*. 2006 May;35(5):365-75.
37. Mocco J, Mack WJ, Ducruet AF, Sughrue ME, Sosunov SA, Laufer I, Nair MN, **Komotar RJ**, Botto M, Holland MCH, Lambris JD, Pinsky DJ, Connolly ES: Complement Component C3 Mediates Inflammatory Injury Following Focal Cerebral Ischemia. *Circ Res*. 2006 Jul 21;99(2):209-17.
38. Zacharia BE, Mocco J, **Komotar RJ**, Solomon RA, Quest DQ: J. Lawrence Pool – A Pioneer in Vascular Neurosurgery. *Journal of Neurosurgery*. 2006 Jun 15;20(6):e2.
39. Mocco J, Wilson DA, **Komotar RJ**, Sughrue ME, Coates K, Sciacca RR, Sacco RL, Elkind MSV, Connolly ES: Alterations in Plasma Complement Levels Following Human Ischemic Stroke. *Neurosurgery*. 2006 Jul;59(1):28-33.
40. **Komotar RJ**, Ransom ER, Mocco J, Zacharia BE, McKhann GM, Mayer SA, Connolly ES: Critical Post-craniotomy Cerebrospinal Fluid Hypovolemia: Risk Factors and Outcome Analysis. *Neurosurgery*. 2006 Aug;59(2):284-90.
41. Mocco J, Sughrue ME, Ducruet AF, **Komotar RJ**, Sosunov SA, Connolly ES: The Complement System – A Potential Target for Stroke Therapy. *Adv Exp Med Biol*. 2006;586:189-201.
42. Mocco J, Ransom ER, **Komotar RJ**, Schmidt JM, Sciacca RR, Mayer SA, Connolly ES: Preoperative Prediction of Long-Term Outcome In Poor Grade Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery*. 2006 Sep;59(3):529-538.
43. **Komotar RJ**, Mocco J, Lavine SD, Solomon RA: Angiographically occult, progressively expanding, giant vertebral artery aneurysm. *J Neurosurg*. 2006 Sep;105(3):468-71.
44. Mocco J, Zacharia BE, **Komotar RJ**, Connolly ES: A review of current and future medical therapies for cerebral vasospasm following aneurysmal subarachnoid hemorrhage. *Journal of Neurosurgery - Neurosurg Focus*. 2006 Sep 15;21(3):E9.
45. Mocco J, Tomey MI, **Komotar RJ**, Mack WJ, Frucht SJ, Goodman RR, McKhann GM: Ventriculoperitoneal Shunting of Idiopathic Normal Pressure Hydrocephalus Increases Midbrain Size: A Potential Mechanism for Gait Improvement. *Neurosurgery*. 2006 Oct;59(4):847-51.

46. **Komotar RJ**, Ransom ER, Wilson DA, Connolly ES, Lavine SL, Meyers PM: 2-Hexyl Cyanoacrylate (Neuracryl M) Embolization of Cerebral Arteriovenous Malformations. *Neurosurgery*. 2006 Oct;59(4 Suppl 2):ONS464-9.
47. Mocco J, Ransom ER, **Komotar RJ**, Sergot PB, Ostapkovich N, Schmidt JM, Kreiter KT, Mayer SA, Connolly ES: Long-Term Domain-Specific Improvement following Poor Grade Aneurysmal Subarachnoid Hemorrhage. *J Neurol*. 2006 Oct;253(10):1278-84.
48. **Komotar RJ**, Mocco J, Kaiser MG: Surgical Management of Cervical Myelopathy – Indications and Techniques for Laminectomy and Fusion. *Spine J*. 2006 Nov-Dec;6(6 Suppl):S252-67.
49. **Komotar RJ**, Connolly ES, Lignelli AA, Mack WJ, Mocco J, Harbaugh RE: Clinicoradiological Review: Bilateral Ethmoidal Artery Dural Arteriovenous Fistulas. *Neurosurgery*. 2007 Jan;60(1):131-5; discussion 135-6.
50. Mocco J, Wilson DA, **Komotar RJ**, Tomey MI, Ducruet AF, Mack WJ, Zurica J, Sciacca RR, Connolly ES, Heyer EJ: Galbraith Award: Evaluation of Risk Factors associated with Neurocognitive changes after Carotid Endarterectomy. *Clin Neurosurg*. 2006;53:301-6.
51. Zink W, **Komotar RJ**, Meyers PM: Internal carotid aplasia/hypoplasia and intracranial saccular aneurysms: series of three new cases and systematic review of the literature. *J Neuroimaging*. 2007 Apr;17(2):141-7.
52. **Komotar RJ**, O'Toole JE, Mocco J, Khandji AG, Keller CE, Connolly ES, Bilsky MH, McCormick PC: Gangliocytoma of the Spinal Cord. *Neurosurgery*. 2007 May;60(5):895-900; discussion 895-900.
53. Mack WJ, Ducruet AF, Angevine PD, **Komotar RJ**, Shrebnick DB, Edwards NM, Smith CR, Heyer EJ, Monyero L, Connolly ES, Solomon RA: Deep Hypothermic Circulatory Arrest for Complex Cerebral Aneurysms – Lessons Learned. *Neurosurgery*. 2007 May;60(5):815-27; discussion 815-27.
54. **Komotar RJ**, Zacharia BE, Valhora R, Mocco J, Connolly ES: Advances in Vasospasm Treatment and Prevention. *J Neurol Sci*. 2007 Oct 15;261(1-2):134-42.
55. Ransom ER, Mocco J, **Komotar RJ**, Sahni D, Chang J, Hahn DK, Kim GH, Schmidt JM, Sciacca RR, Mayer SA, Connolly ES: Response to External Ventricular Drainage in Poor Grade aSAH: Effect on Preoperative Grading and Prognosis. *Neurocrit Care*. 2007;6(3):174-80.
56. Mocco J, Prickett CS, **Komotar RJ**, Connolly ES, Mayer SA: Potential mechanisms and clinical significance of global cerebral edema following aneurysmal subarachnoid hemorrhage. *Neurosurg Focus*. 2007 May 15;22(5):E7.
57. Wilson DA, Mocco J, D'Ambrosio AL, **Komotar RJ**, Zurica J, Kellner C, Hahn DA, Connolly ES, Liu X, Imielinska C, Heyer EJ: Post-Carotid Endarterectomy Neurocognitive Decline is Associated with Cerebral Blood Flow Asymmetry on Postoperative Magnetic Resonance Perfusion Brain Scans. *Neurol Res*. 2008 Apr;30(3):302-6.
58. **Komotar RJ**, Arias EJ, Connolly ES, Angevine PD: Update - Randomized Clinical Trials of Surgery versus Non-Operative Management of Lumbar Herniated Disks. *Neurosurgery*. 2007 Sep;61(3):N10.

59. **Komotar RJ**, Kim GH, Sughrue ME, Otten ML, Rynkowski MA, Kellner CP, Hahn DK, Merkow MB, Garrett MC, Starke RM, Mocco J, Connolly ES: Neurologic Assessment of Somatosensory Dysfunction Following an Experimental Rodent Model of Cerebral Ischemia. *Nat Protoc.* 2007;2(10):2345-7.
60. Tomey MI, **Komotar RJ**, Mocco J: Herophilus, Erasistratus, Aretaeus and Galen - Ancient Roots of the Bell-Magendie Law. *Neurosurg Focus.* 2007 Jul;23(1):1-3.
61. Mocco J, Rose JC, **Komotar RJ**, Mayer SA: Blood Pressure Management in Patients with Intracerebral Hemorrhage and Subarachnoid Hemorrhage. *Neurosurgery Clinics of North America.* *Neurosurg Clin N Am.* 2006 Sep;17 Suppl 1:25-40.
62. Mack WJ, Hickman ZL, Ducruet AF, Kalyvas JT, Garrett MC, Starke RM, **Komotar RJ**, Lavine SD, Meyers PM, Mayer SA, Connolly ES: Pupillary Reactivity upon Hospital Admission Predicts Long-Term Outcome in Poor Grade Aneurysmal Subarachnoid Hemorrhage Patients. *Neurocrit Care.* 2008;8(3):374-9.
63. Mathew L, **Komotar RJ**: Epidural Blood Patch for Severe Postoperative Intracranial Hypotension. *J Neurosurg Anesthesiol.* 2008 Jan;20(1):49-52.
64. Mocco J, Shelton CE, Sergot P, Ducruet AF, **Komotar RJ**, Otten ML, Sosunov SA, MacArthur RB, Kennedy TP, Connolly ES: O-Desulfated Heparin Improves Outcome Following Rat Cerebral Ischemia/Reperfusion Injury. *Neurosurgery.* 2007 Dec;61(6):1297-1304.
65. Rynkowski MA, Kim GH, **Komotar RJ**, Ducruet AF, Otten ML, Zacharia BE, Kellner CP, Hahn DK, Merkow MB, Garrett MC, Starke RM, Cho BM, Sosunov SA, Connolly ES: A Mouse Model of Intracerebral Hemorrhage Using Autologous Blood Infusion. *Nat Protoc.* 2008;3(1):122-8.
66. **Komotar RJ**, Mikell CB, McKhann GM: Epilepsy Surgery versus Lesionectomy in Patients with Seizures Secondary to Cavernous Malformations. *Clin Neurosurg.* 2008;55:101-7.
67. Ducruet AF, Hassid BG, Mack WJ, Sosunov SA, Otten ML, Fusco DJ, Hickman ZL, Kim GH, **Komotar RJ**, Mocco J, Connolly ES: C3a receptor modulation of granulocyte infiltration following murine focal cerebral ischemia is reperfusion-dependent. *J Cereb Blood Flow Metab.* 2008 May;28(5):1048-58.
68. Garrett MC, **Komotar RJ**, Merkow MB, Starke RM, Otten ML, Connolly ES: The Extracranial-Intracranial Bypass Trial: implications for future investigations. *Neurosurg Focus.* 2008 Feb;24(2):E4.
69. **Komotar RJ**, Han DK, Kim GH, Khandji J, Mocco J, Mayer SA, Connolly ES: The Impact of Microsurgical Fenestration of the Lamina Terminalis on Shunt-Dependent Hydrocephalus and Vasospasm following Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery.* 2008 Jan;62(1):123-32; discussion 132-4.
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VISITING PROFESSORSHIPS

1. University of Virginia – December 4, 2015

NATIONAL MEETING MODERATOR

1. 2011 Congress of Neurological Surgeons, Tumor Section
Genomic Alterations in Primary Brain Tumors: Clinical Impact
2. 2012 American Association of Neurological Surgeons, Tumor Section
Difficult Meningiomas – Management Paradigms
3. 2012 American Association of Neurological Surgeons, Tumor Section
Advances in Brain Tumor Diagnosis, Imaging, and Monitoring
4. 2012 American Association of Neurological Surgeons, Tumor Section
Abstract Presentation Section I
5. 2012 American Association of Neurological Surgeons, Tumor Section
Abstract Presentation Section II

- Department of Hematology/Oncology Grand Rounds – December 23, 2011
- Sylvester Comprehensive Cancer Center at Deerfield – January 17, 2012
- Mercy Hospital Grand Rounds – January 26, 2012
- Department of Radiology Grand Rounds – February 21, 2012
- Jupiter Medical Center Grand Rounds – February 22, 2012
- Baptist Medical Center Grand Rounds – February 23, 2012
- Wellington Regional Medical Center – March 8, 2012
- South Miami Hospital Grand Rounds – March 27, 2012
- Department of Breast Oncology Grand Rounds – March 30, 2012
- Holy Cross Hospital Grand Rounds – January 2, 2013
- Department of Otolaryngology Grand Rounds – Jan 10, 2013
- Bal Harbour / Sylvester Comprehensive Cancer Center Fundraiser – Jan 18, 2013
- Osteomed National Organizational Meeting – Feb 1, 2013
- National Nurse Practitioner Meeting, Miami Florida – Feb 12, 2013
- Delray Medical Center Grand Rounds – Feb 21, 2013
- West Boca Medical Center Grand Rounds – March 7, 2013
- St. Mary's Medical Center Grand Rounds– April 5, 2013
- University Hospital and Medical Center Grand Rounds – April 18, 2013
- Multidisciplinary Symposium on CNS Malignancies, Broward County – May 28, 2013
- Brain Tumor and Minimally Invasive Spine Surgery Symposium – March 20, 2014
- Brain Tumor Awareness Day, University of Miami – May 21, 2014

Future Directions in Neurooncology

- North Shore Medical Center, Jesse G. Keshin, MD CME Lecture Series – April 13, 2012
- Mercy Hospital CME Lecture Series – April 26, 2012
- Multidisciplinary Symposium on CNS Malignancies, Palm Beach – April 26, 2012
- Larkin Community Hospital Grand – May 2, 2012
- Department of Medicine Grand Rounds – May 30, 2012
- Palm Beach Cancer Institute Grand Rounds – May 31, 2012
- Sylvester Comprehensive Cancer Center Grand Rounds – June 15, 2012
- Hialeah Medical Center – June 29, 2012
- Westchester General Medical Center – August 29, 2012
- Northwest Medical Center Tumor Board – August 29, 2012
- Holy Cross Hospital Tumor Board – September 20, 2012
- Hussman Institute of Human Genomics – September 26, 2012
- Multidisciplinary Symposium on CNS Malignancies, Boca Raton – October 11, 2012
- Florida Pap Corps Presidential Conference – October 18, 2012
- Florida Medical Center Grand Rounds – October 18, 2012
- University Hospital and Medical Center Grand Rounds – November 8, 2012
- University of Miami Nursing Grand Rounds – April 10, 2013
- Brain Tumor Awareness Symposium, Sylvester Cancer Center – May 30, 2013
- Florida Pap Corps Presidential Conference – October 10, 2013

The University of Miami Brain Tumor Initiative

- University of Miami Board of Trustees Committee Meeting – January 29, 2013
- The Florida Brain Tumor Association National Meeting – March 9, 2013
- University of Miami Board of Governors Committee Meeting – March 13, 2013
- University of Miami Board of Development Meeting – November 21, 2013
- Sylvester Comprehensive Cancer Center and FBTA Patient Seminar – March 1, 2014
- Osteomed Annual Sales Meeting – March 9, 2014
- Wellington National Neuroscience Symposium – March 27, 2014
- University of Miami Undergraduate Neuroscience Interest Group – March 27, 2014
- Department of Neurology Grand Rounds, University of Miami – May 30, 2014

- Sylvester Cancer Center Regional Symposium – November 6, 2014
- South Florida Accountable Care Organization Annual Meeting – January 23, 2015
- North Shore Medical Center CME Symposium – May 15, 2015
- Department of Neurology Grand Rounds, University of Miami – November 13, 2015
- University of Miami Undergraduate Neuroscience Interest Group – February 17, 2016
- Florida Brain Tumor Association Annual Fundraising Gala – February 27, 2016

Advanced Neuronavigation Techniques in Brain Tumor Surgery

- Medtronic Corporate Educational Symposium, Boca Raton – April 11, 2013
- Department of Hospital Medicine Grand Rounds – October 31, 2013
- Eastern Atlantic Student Research Forum – February 28, 2014
- Annual Broward County Physicians Educational Symposium – March 8, 2014
- Medtronic Corporate Educational Symposium, Palm Beach – October 30, 2014
- National Neurology Update Symposium, University of Miami – January 22, 2015

Laser Ablation in Brain Tumor Surgery

- Jupiter Medical Center CME, Palm Beach Gardens – August 15, 2013
- National Neurology Update Symposium, University of Miami – February 7, 2014
- Osteomed Annual Sales Meeting – March 9, 2014
- University of Puerto Rico Department of Neurosurgery – May 8, 2014
- UMBTI South Miami CME Neurooncology Course – July 31, 2014
- Department of Neurological Surgery Grand Rounds, University of Miami – Oct 23, 2014
- Broward County Physicians Association Meeting – November 6, 2014
- Multidisciplinary Symposium on CNS Malignancies, Miami/Dade County – May 7, 2015

Surgical Management of Pituitary Tumors

- Endocrine Grand Rounds – December 5, 2013
- Department of Anesthesiology Grand Rounds – September 11, 2004

Innovation in Brain Tumor Surgery

- University of Miami Neuroscience Interest Group – September 2, 2015
- Florida Brain Tumor Association – October 17, 2015
- National Neurology Update Symposium, University of Miami – January 28, 2016

NATIONAL PLATFORM PRESENTATIONS

1. Microsurgical Fenestration of the Lamina Terminalis Reduces the Incidence of Shunt-Dependent Hydrocephalus following Aneurysmal Subarachnoid Hemorrhage.
Congress of Neurological Surgeons – September 23, 2002
2. Hypothalamic/Chiasmatic Astrocytomas of Pilocytic and Pilomyxoid Morphology.
Congress of Neurological Surgeons – September 23, 2002
3. Herniation Secondary to Critical Post-craniotomy CSF Hypovolemia.
Congress of Neurological Surgeons – October 18, 2004
4. The Impact of Microsurgical Fenestration of the Lamina Terminalis on Shunt-Dependent Hydrocephalus and Cerebral Vasospasm following Aneurysmal Subarachnoid Hemorrhage.
American Association of Neurological Surgeons – April 16, 2007
5. Evaluation of the GCS in the Prediction of Long-Term Outcome in Poor-Grade Aneurysmal Subarachnoid Hemorrhage: the Relative Value of the Motor, Verbal, and Eye Examinations.

American Association of Neurological Surgeons – April 29, 2008

6. Clinical Features, Surgical Treatment, and Long-Term Outcome of Adult Moyamoya Patients: A Single U.S. Institution Experience.
Congress of Neurological Surgeons – September 22, 2008
7. Withdrawal of Care in Medically-Futile Neurological ICU Patients
Congress of Neurological Surgeons – October 26, 2009
8. Endoscopic Endonasal versus Transsphenoidal Microscopic and Open Transcranial Resection of Craniopharyngiomas: A Systematic Meta-Analysis of Outcomes
North American Skull Base Society – February 19, 2011
9. Systematic Analysis of Cerebrospinal Fluid Leak after Endoscopic Skull Base Surgery: Tumor Location, Closure Method, and Pathology
North American Skull Base Society – February 18, 2011
10. Endoscopic Endonasal versus Open Transcranial Resection of Skull Base Meningiomas: A Systematic Meta-Analysis of Outcomes
North American Skull Base Society – February 19, 2011
11. Endoscopic versus Open Clival Chordoma Resection: A Systematic Review
North American Skull Base Society – February 19, 2011
12. Endonasal versus Transoral Odontoid Resection: A Systematic Meta-Analysis of Outcomes
North American Skull Base Society – February 18, 2011
13. Endoscopic Endonasal Resection of Skull Base Meningiomas
Congress of Neurological Surgeons – October 3, 2011
14. Endoscopic Endonasal Resection of Craniopharyngiomas
Congress of Neurological Surgeons – October 3, 2011
15. Advances in Glioma Immunotherapy
Annual National Neurology Update – January 23, 2012
16. Endoscopic Endonasal Resection of Esthesioneuroblastomas
North American Skull Base Society – February 18, 2012
17. Endoscopic Endonasal Resection of Giant Pituitary Adenomas
North American Skull Base Society – February 18, 2012
18. Ronald Bittner Lectureship and Award Introduction
American Association of Neurological Surgeons – April 16, 2012
19. The Role of Radiotherapy Following Gross Total Resection of Atypical Meningiomas
American Association of Neurological Surgeons – April 16, 2012
20. An Overview of Complex Meningiomas – Current Treatment Paradigms
American Association of Neurological Surgeons – April 17, 2012
21. An Overview of Advances in Brain Tumor Diagnosis, Imaging, and Monitoring

American Association of Neurological Surgeons – April 18, 2012

22. Introduction and Overview of Complex Brain Tumor Management
Columbia University CME National Brain Tumor Symposium – June 8, 2012
23. The Role of Radiotherapy Following Gross Total Resection of Atypical Meningiomas.
Neurosurgical Society of America – June 11, 2012
24. The Role of Functional MRI and Diffusion Tensor Imaging in Brain Tumor Surgery.
Florida Neurosurgical Society – August 18, 2012
25. Advances in Brain Tumor Surgery
Levine Cancer Institute Neurooncology Symposium, South Carolina – November 2, 2012
26. Upfront Radiation for Newly Diagnosed or Recurrent WHO Grade II Meningiomas?
American Association of Neurological Surgeons – April 27, 2013
27. Skull Base Approaches – Endoscopic vs. Traditional Open
Congress of Neurological Surgeons – October 23, 2013
28. Optimal Management of Solitary Brain Metastasis
Southern Neurosurgical Society – February 20, 2014
29. Laser Ablation of Brain Tumors
Georgia Neurosurgical Society – December 6, 2014
30. University of Miami Surgical Neurooncology Program
Society of Neurological Surgeons – June 7, 2015
31. Innovation in Brain Tumor Surgery
Florida Neurosurgery Society – August 15, 2015
32. Laser Ablation of Brain Tumors
Miami National Brain Tumor Symposium – September 18, 2015
33. Fellowships Program Overview
Congress of Neurological Surgeons – September 27, 2015
34. Getch Fellowship Introduction
Congress of Neurological Surgeons – September 29, 2015
35. Brain Tumor Management, Plenary Session
Goodman Oral Boards Review Course – November 7, 2015

INTERNATIONAL PLATFORM PRESENTATIONS

1. Advances in Brain Tumor Surgery
Puerto Rican Academy of Neurology – August 26, 2011
2. Heat Shock Protein Vaccine for Glioblastoma Multiforme
Puerto Rican Academy of Neurology – August 26, 2011

3. Vaccine Therapy in Neurooncologic Patients
Peruvian Academy of Neurology – October 7th, 2011
4. Updates in Surgical Neurooncology
Dominican Republic Academy of Neurology – October 23rd, 2011
5. Advances in Brain Tumor Surgery
Caribbean Association of Neurological Surgery (Panama) – November 10, 2011
6. Heat Shock Protein Vaccine for Glioblastoma Multiforme
Caribbean Association of Neurological Surgery (Panama) – November 10, 2011
7. The Value of Extent of Resection in Glioma Surgery
Latin American Congress of Neurosurgery (Rio de Janeiro, Brazil) – April 2, 2012
8. The Role of Functional MRI and Diffusion Tensor Imaging in Brain Tumor Surgery
Caribbean Association of Neurological Surgery (Panama) – September 13, 2012
9. The Role of Awake Craniotomy in Brain Tumor Surgery
Caribbean Association of Neurological Surgery (Panama) – September 13, 2012
10. Future Directions in Neurooncology
Caribbean Association of Neurological Surgery (Panama) – September 13, 2012
11. The Role of Functional MRI and Diffusion Tensor Imaging in Brain Tumor Surgery
Dominican Republic Neurosurgical Society – October 27, 2012
12. The Role of Awake Craniotomy in Brain Tumor Surgery
Dominican Republic Neurosurgical Society – October 27, 2012
13. Future Directions in Neurooncology
Dominican Republic Neurosurgical Society – October 27, 2012
14. The University of Miami Brain Tumor Initiative
Caribbean Association of Neurological Surgery (Colombia) – November 9, 2012
15. The Role of Awake Craniotomy and Advanced Neuronavigation in Brain Tumor Surgery
Caribbean Association of Neurological Surgery (Colombia) – November 9, 2012
16. Advances in Brain Tumor Surgery
Central American Congress of Neurological Surgery (Costa Rica) – March 22, 2013
17. The Role of Advanced Neuronavigation in Brain Tumor Surgery
Central American Congress of Neurological Surgery (Costa Rica) – March 22, 2013
18. The University of Miami Brain Tumor Initiative
Bahamian Neuroscience Conference (Bahamas) – October 4, 2013
19. The Role of Awake Craniotomy and Advanced Neuronavigation in Brain Tumor Surgery
Colombian Society of Neurological Surgery – November 9, 2013
20. Future Directions in Neurooncology
Colombian Society of Neurological Surgery – November 9, 2013

21. Advances in Brain Tumor Surgery
Colombian Symposium on Neurooncology and Skull Base Surgery – March 21, 2014
22. The Role of Awake Craniotomies in Brain Tumor Surgery
Colombian Symposium on Neurooncology and Skull Base Surgery – March 21, 2014
23. The University of Miami Brain Tumor Initiative
Colombian Symposium on Neurooncology and Skull Base Surgery – March 21, 2014
24. Advances in Brain Tumor Surgery
Up to Date in Brain Tumors Symposium (El Salvador) – July 12, 2014
25. The University of Miami Brain Tumor Initiative
Up to Date in Brain Tumors Symposium (El Salvador) – July 12, 2014
26. Innovation in Brain Tumor Surgery
Brazilian Symposium on Brain Tumors (Sao Paolo, Brazil) – September 26, 2014
27. The Role of Awake Craniotomies in Brain Tumor Surgery
Brazilian Symposium on Brain Tumors (Sao Paolo, Brazil) – September 26, 2014
28. Advanced Neuronavigation in Brain Tumor Surgery
Brazilian Symposium on Brain Tumors (Sao Paolo, Brazil) – September 26, 2014
29. Laser Ablation of Brain Tumors
Society of Neurooncology, Latin America – March 24, 2016
30. The Future of Surgical Neurooncology
Society of Neurooncology, Latin America – March 24, 2016

NATIONAL MEDIA EXPOSURE

Columbia University Brain Tumor Research Fund / Neurosurgery Charity Softball Tournament.
National Public Radio – June 11, 2007

Columbia University Brain Tumor Research Fund / Neurosurgery Charity Softball Tournament.
ABC National News – June 9, 2008

The Role of Asymptomatic Brain MRI Scans in Screening of the General Population
Forbes Magazine – October 22, 2009

The Annual Neurosurgery Charity Softball Tournament
The Wall Street Journal – June 4, 2011
EFE News – June 6, 2012
CBS Radio – June 9, 2012
WFAN NYC Sports Radio – June 9, 2012
The Huffington Post – June 11, 2012
Yankees Magazine – June 1, 2013

Vaccine Therapy for Brain Tumors
The Miami Herald – November 22, 2011

El Nuevo Herald – November 22, 2011
Radio Caracol – November 28, 2011
Radio Mambi – November 28, 2011
The Palm Beach Post – November 29, 2011
The Tennessean – December 5, 2011
FOX News Miami – February 24, 2012
CBS News Miami – February 24, 2012
NBC News Miami – February 24, 2012
ABC News Miami – February 24, 2012
Miami Business Radio – March 1, 2012
Univision – April 20, 2012
ABC Miami – June 29, 2012
ABC Moscow – January 27, 2014

Awake Craniotomy for Brain Tumor Resection

The Miami Herald – October 5, 2011
CBS News Miami – October 6, 2011
NBC News Miami – October 6, 2011
ABC News Miami – October 6, 2011
WLRN public radio – October 7, 2011
AOL Latino – October 14, 2011
CBS Radio – October 23, 2011
Radio Mambi – December 10, 2011
The John Tesh Radio Show – January 19, 2012
ABC Local News – June 29, 2012
CBS Health Watch – May 3, 2013

Concussion Syndrome in Sports

Boston Herald – October 15, 2011
CNY Morning News – October 18, 2011
The Post, Syracuse – October 18, 2011
The Ticker, New York City – October 19, 2011
WFAN CBS Sports Radio – October 23, 2011
Honolulu Star Newspaper – October 27, 2011
Arizona Republic – October 28, 2011
Soccer Nation – November 3, 2011
NFL Helmet Development – November 9, 2011
The Epoch Times – November 18, 2011
Los Angeles Times – December 2, 2011
CBS Sports – December 7, 2011
Arizona Sports Radio – December 9, 2011
CSM Sports – December 14, 2011
American Urban Radio – December 15, 2011
America's Radio News – December 21, 2011
USA Today – January 15, 2012
Deseret Utah News – February 22, 2012
LA Times – February 27, 2012
CNN – March 2, 2012
Ultimate MMA Magazine – March 28, 2012
American Football Monthly Magazine – April 13, 2012
Fox News – May 15, 2012
AM Tampa Bay Radio – May 22, 2012

Brain Injury Association Discussion on Brain Injuries

Majic 102.7 Radio – April 11, 2012

CNN News – June 17, 2012

Chronic Traumatic Encephalopathy in the National Football League

ABC News – May 4, 2012

Sporting News – May 4, 2012

Advances in Brain Tumor Treatment at Sylvester Comprehensive Cancer Center

Miami Today – Dec 20, 2012

Miami Herald – May 26, 2013

South Florida Business Journal – January 12, 2014

The Sun Sentinel – January 20, 2014

CNN Latino – July 19, 2014

ABC News – April 27, 2015

Miami Herald – May 24, 2015

Breakthrough Medicine - A Matter of the Mind: Extracting A Deadly Brain Tumor

ABC – June 30 / July 1, 2012

Hilary Clinton and Cerebral Sinus Thrombosis

Americas Radio News – January 2, 2013

Laser Tumor Ablation

NBC News – April 11, 2013

Health Channel – April 12, 2013

Fox News – April 14, 2013

ABC News – April 14, 2013

Univision – April 14, 2013

CBS Health Watch – May 3, 2013

Duke Magazine – January 30, 2014

Fluorescence Guided Brain Tumor Resection

Miami Herald – December 13, 2014

CBS News – December 12, 2014

ABC News – December 12, 2014

NBC News – December 12, 2014

Minimally Invasive Brain Tumor Surgery

ABC News – July 23, 2015

CBS News – December 15, 2015

EDUCATIONAL INITIATIVES

2014 – Current

Goodman Oral Boards Review Course
Faculty / Instructor – Brain Tumor Management

2014 – Current

Oral Boards Review Course, CNS Annual Meeting
Faculty / Instructor – Brain Tumor Management

2014 – Current

Oral Boards Review Course, AANS Annual Meeting
Faculty / Instructor – Brain Tumor Management

2012 – Current	Medical School Lecture Brain Tumors – An Overview University of Miami School of Medicine
2012 – Current	AANS / CNS Neurosurgery Online Curriculum: A multimedia atlas Editor, Tumor Section
2012 – Current	National Boot Camp Fundamental Skills Course Society of Neurological Surgeons Faculty Member
2012 – Current	Neurosurgery Medical Student Clerkship University of Miami School of Medicine Co-Director
2010 – 2012	Columbia University Neurosurgery Online Curriculum American Association of Neurological Surgeons Co-Director
2010 – 2102	Case Based Learning Module Congress of Neurological Surgeons Chair

INVITED EDITORIALS

1. **Komotar RJ**, Connolly ES: Technology Report - Drug Eluting Stents to Prevent Restenosis. Cerebrovascular News/Congress of Neurological Surgeons. Fall 2003
2. **Komotar RJ**, Connolly ES: Role of a Decreased Expression of the Local Renin-Angiotensin System in the Etiology of Cerebral Aneurysms – Science Times. Neurosurgery. 2004 Jan;54(1)
3. **Komotar RJ**, Connolly ES: A Peptide Inhibitor of c-Jun N-terminal Kinase Protects Against Excitotoxicity and Cerebral Ischemia – Science Times. Neurosurgery. 2004 Feb;54(2)
4. **Komotar RJ**, Sughrue ME, Connolly ES: Inflammation and Neurogenesis – New Concepts of Disease and Therapies? – Science Times. Neurosurgery. 2004 Mar;54(3)
5. **Komotar RJ**, Connolly ES: Surgical Trial in Intracerebral Hemorrhage (STICH) – Science Times. Neurosurgery. 2004 May;54(5)
6. **Komotar RJ**, Connolly ES: Technology Report - SMART Stents in the Treatment of Cerebrovascular Disease. Cerebrovascular News/Congress of Neurological Surgeons. Spring 2004
7. **Komotar RJ**, Connolly ES: Technology Report - SMART Stents in the Treatment of Cerebrovascular Disease. Cerebrovascular News/Congress of Neurological Surgeons. Spring 2004
8. **Komotar RJ**, Connolly ES: Stroke Treatments: Today, Tomorrow, and Next Week – Science Times. Neurosurgery. 2004 July;55(1)

9. **Komotar RJ**, Lavine SL: Treatment of unruptured cerebral aneurysms by embolization with Guglielmi detachable coils: case-fatality, morbidity, and effectiveness in preventing bleeding—a systematic review of the literature. *Neurosurgery*. 2004 Oct;55(4):767-75; discussion 775-8.
10. **Komotar RJ**, Mocco J, Connolly ES: To Err is Human? – Science Times. *Neurosurgery*. 2005 Jan;56(1)
11. **Komotar RJ**, Jones JE, Connolly ES: Intraoperative Hypothermia during Aneurysm Surgery Trial (IHAST) – Science Times. *Neurosurgery*. 2005 Mar;56(3)
12. **Komotar RJ**, Connolly ES: Cerebral oxidative stress and depression of energy metabolism correlate with severity of diffuse brain injury in rats. *Neurosurgery*. 2005 Mar;56(3):582-9; discussion 582-9.
13. **Komotar RJ**, Ransom ER, Connolly ES: The Risk of Hemorrhage after Radiosurgery for Cerebral Arteriovenous Malformations – Science Times. *Neurosurgery*. 2005 May;56(5).
14. Imielinska C, Rosiene J, Jin Y, Liu X, Udupa J, Zacharia B, **Komotar RJ**, Mocco J, Sughrue M, Grobelny B, Sisti A, Silverberg J, Khandji J, Cohen H, Connolly ES, D'Ambrosio AL: Ground truth for evaluation of ischemic stroke hybrid segmentation in a rat model of temporary middle cerebral artery occlusion International Congress Series, Volume 1281, May 2005, Pages 74-79.
15. **Komotar RJ**, Connolly ES: Dexmedetomidine for Neurological Surgery. *Neurosurgery*. 57(1) Operative Neurosurgery Supplement 1:1-10, July 2005.
16. **Komotar RJ**, Wilson DA, Connolly ES: Radiotherapy plus Concomitant and Adjuvant Temozolomide for Glioblastoma – Science Times. *Neurosurgery*. 2005 Jul;56(7).
17. **Komotar RJ**, Connolly ES: MitoKATP-Channel Opener Protects Against Neuronal Death in Rat Venous Ischemia. *Neurosurgery*. 57(2):334-341, August 2005.
18. **Komotar RJ**, Connolly ES: Heparin-Induced Thrombocytopenia Type II in Subarachnoid Hemorrhage Patients – Incidence and Complications. *Neurosurgery*. 57(2):243-249, August 2005.
19. **Komotar RJ**, Connolly ES: Acquired Factor VIII Inhibitors in a Patient Associated with Neurosurgery: Case Report and Review of the Literature. *Neurosurgery*. 57(3):E595, September 2005.
20. **Komotar RJ**, Connolly ES: A New Model of Reversible Sinus Sagittalis Superior Thrombosis in the Rat: Magnetic Resonance Imaging Changes. *Neurosurgery*. 57(3):573-580, September 2005.
21. **Komotar RJ**, Connolly ES: Acute Subdural Hematoma: New Model Delineation and Effects of Coagulation Inhibitors. *Neurosurgery*. 57(3):565-572, September 2005.
22. **Komotar RJ**, Connolly ES: Altered Flow Territories after Extracranial-Intracranial Bypass Surgery. *Neurosurgery*. 57(3):486-494, September 2005.
23. **Komotar RJ**, Anderson RC, Bruce JN: Annual Neurosurgery Charity Softball Tournament.

Neurosurgery News / Congress of Neurological Surgeons (Summer 2005). AANS / CNS Section on Pediatric Neurological Surgery (Fall 2005). AANS / CNS Section on Tumors (Fall 2005).

24. **Komotar RJ**, Ransom ER, Connolly ES: Treatment of Early Childhood Medulloblastoma by Postoperative Chemotherapy Alone – Science Times. *Neurosurgery*. 2005 Oct;57(4).
25. **Komotar RJ**, Connolly ES. Thrombolysis for Ischemic Stroke in the United States: Data from National Hospital Discharge Survey 1999-2001. *Neurosurgery*. 57(4):647-654, October 2005.
26. **Komotar RJ**, Connolly ES: Neurosurgery 100 Years Ago: The Queen Square Letters of Foster Kennedy. *Neurosurgery*. 57(4):797-808, October 2005.
27. **Komotar RJ**, Connolly ES: Bilateral Ethmoidal Dural Arteriovenous Fistulae – A Previously Unreported Entity. 57(4):809, October 2005.
28. **Komotar RJ**, Mocco J, Connolly ES: Technology Report – Procoagulant Therapy for Intracerebral Hemorrhage. *Cerebrovascular News / Congress of Neurological Surgeons*. Winter 2005.
29. **Komotar RJ**, Connolly ES: Human Recombinant Factor VII for Emergency Reversal of Coagulopathy in Neurosurgical Patients: A Retrospective Comparative Study. *Neurosurgery*. 57(5):832-836, November 2005.
30. **Komotar RJ**, Connolly ES: Expression of Structural Proteins and Angiogenic Factors in Normal Arterial and Unruptured and Ruptured Aneurysm Walls. *Neurosurgery*. 57(5):997-1007, November 2005.
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33. **Komotar RJ**, Connolly ES: Resolution of Hemifacial Spasm after Surgical Obliteration of a Tentorial Arteriovenous Fistula: Case Report. *Neurosurgery*. 58(1):E202, January 2006.
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35. **Komotar RJ**, Connolly ES: DuraSeal Magnetic Resonance and Computed Tomography Imaging: Evaluation in a Canine Craniotomy Model. *Neurosurgery*. 58(1) Operative Neurosurgery Supplement 1:ONS-140-147, February 2006.
36. **Komotar RJ**, Bruce JN, Connolly ES: EGFR Targeted Treatment of Glioblastoma – Science Times. *Neurosurgery*. 2006 Feb;58(2).
37. **Komotar RJ**, Connolly ES: Tumor Necrosis Factor-[alpha] Increases in the Brain after Intracerebral Hemorrhage and Thrombin Stimulation. *Neurosurgery*. 58(3):542-550, March 2006.

38. **Komotar RJ**, Connolly ES: Application of Rapid-sampling, Online Microdialysis to the Monitoring of Brain Metabolism during Aneurysm Surgery. *Neurosurgery*. 58(4) Operative Neurosurgery Supplement 2:ONS-313-ONS-321, April 2006.
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40. **Komotar RJ**, Connolly ES: Apolipoprotein E [varepsilon]2 Is Associated with New Hemorrhage Risk in Brain Arteriovenous Malformations. *Neurosurgery*. 58(5):838-843, May 2006.
41. **Komotar RJ**, Connolly ES: Delayed Posttraumatic Acute Subdural Hematoma in Elderly Patients on Anticoagulation. *Neurosurgery*. 58(5):E851-E856, May 2006.
42. **Komotar RJ**, Zacharia BE, Anderson RC, Connolly ES: Chromosome 1p and 11q Deletions and Outcome in Neuroblastoma – *Science Times*. *Neurosurgery*. 2006 June;58(6).
43. **Komotar RJ**, Connolly ES: Time Course in the Development of Cerebral Vasospasm after Experimental Subarachnoid Hemorrhage: Clinical and Neuroradiological Assessment of the Rat Double Hemorrhage Model. *Neurosurgery*. 58(6):1190-1197, June 2006.
44. **Komotar RJ**, Connolly ES: Hyperglycemia Independently Increases the Risk of Perioperative Stroke, Myocardial Infarction, and Death after Carotid Endarterectomy. *Neurosurgery*. 58(6):1066-1073, June 2006.
45. **Komotar RJ**, Connolly ES: Intravenous Magnesium versus Nimodipine in the Treatment of Patients with Aneurysmal Subarachnoid Hemorrhage: A Randomized Study. *Neurosurgery*. 58(6):1054-1065, June 2006.
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47. **Komotar RJ**, Connolly ES: Hyponatremia in the Neurosurgical Patient: Epidemiology, Pathophysiology, Diagnosis, and Management. *Neurosurgery*. 59(2):222-229, August 2006.
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49. **Komotar RJ**, Zacharia BE, Connolly ES: A New Dawn for Neuroprotection – NXY-059 for Acute Ischemic Stroke – *Science Times*. *Neurosurgery*. 2006 August;59(2).
50. **Komotar RJ**, Lavine SD, Connolly ES: Technology Report – Intra-Aortic Balloon Counterpulsation for Cerebral Vasospasm. *Cerebrovascular News / Congress of Neurological Surgeons*. Fall 2006.
51. **Komotar RJ**, Connolly ES: Expression of Hypoxia-inducible Factor-1 and Vascular Endothelial Growth Factor in Response to Venous Hypertension. *Neurosurgery*. 59(3):687-696, September 2006.
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54. **Komotar RJ**, Anderson RC: Annual Neurosurgery Charity Softball Tournament. AANS / CNS Section on Tumors, Fall 2006.
55. **Komotar RJ**, Connolly ES: Caspase-3-dependent Apoptosis in Middle Cerebral Arteries in Patients with Moyamoya Disease. *Neurosurgery*. 59(4):894-901, October 2006.
56. **Komotar RJ**, Connolly ES: A Model System for Mapping Vascular Responses to Complex Hemodynamics at Arterial Bifurcations In Vivo. *Neurosurgery*. 59(5):1094-1101, November 2006.
57. **Komotar RJ**, Connolly ES: Spectrum of Genotype and Clinical Manifestations in Cerebral Cavernous Malformations. *Neurosurgery*. 59(6):1278-1285, December 2006.
58. **Komotar RJ**, Connolly ES: Review - Controlled release of lipopolysaccharide in the subarachnoid space of rabbits induces chronic vasospasm in the absence of blood. *Surg Neurol*. 2006 Nov;66(5):469.
59. **Komotar RJ**, Connolly ES: Delayed Cerebral Vasospasm Secondary to Bacterial Meningitis after Lumbosacral Spinal Surgery – Case Report. *Neurosurgery*. 60(1):E207, January 2007.
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61. **Komotar RJ**, Connolly ES: Endoscopic Treatment of Cerebrospinal Fluid Pathway Obstructions. *Neurosurgery*. 60(2) Supplement 1:44-52, February 2007.
62. **Komotar RJ**, Connolly ES: Ventricular Catheter Placement with a Frameless Neuronavigational System – A 1-year Experience. *Neurosurgery*. 60(4) Suppl 2:243-248, April 2007.
63. **Komotar RJ**, Connolly ES: In Situ Hinge Craniectomy. *Neurosurgery*. 60(4) Suppl 2:255-259, April 2007.
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65. **Komotar RJ**, Anderson RC: Annual Neurosurgery Charity Softball Tournament. AANS / CNS Section on Tumors, Congress Quarterly. Fall 2007.
66. **Komotar RJ**, Connolly ES: Thrombophilic abnormalities among patients with cranial dural arteriovenous fistulas. *Neurosurgery*. 61(2):262-269, August 2007.
67. **Komotar RJ**, Connolly ES: Effects of tobacco dose and length of exposure on delayed neurological deterioration and overall clinical outcome after aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 61(3):475-481, September 2007.
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neurological deficits and reduce infarction volume in rat brain ischemia. *Neurosurgery*. 61(3):586-595, September 2007.

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76. **Komotar RJ**, Connolly ES: The Presence of Multiple Microbleeds as a Predictor of Subsequent Cerebral Hemorrhage in Patients with Moyamoya Disease. *Neurosurgery*. 62(1):104-112, January 2008.
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82. **Komotar RJ**, Connolly ES: Risk of Aneurysmal Rupture – The Importance of Neck Orifice Positioning – Assessment Using Computational Flow Simulation.. *Neurosurgery*. 62(4):767-775, April 2008.
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85. **Komotar RJ**: Annual Neurosurgery Charity Softball Tournament. *AANS Bulletin / Congress Quarterly*. Fall 2008.
86. **Komotar RJ**, Connolly ES: Norepinephrine and Cerebral Blood Flow Regulation in Patients with Arteriovenous Malformations. *Neurosurgery*. 62(6):1254-1261, June 2008.
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