

CURRICULUM VITAE

Saleem I. Abdulrauf, MD, FACS
Neurosurgeon-In-Chief, Saint Louis University Hospital
Director, Center for Cerebrovascular and Skull Base Surgery
Saint Louis University School of Medicine
St. Louis, Missouri, USA

PROFESSIONAL

Department of Neurosurgery
5th Floor Desloge Towers
3635 Vista Avenue at Grand Blvd
St. Louis, MO 63110
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314-268-7888

ACADEMIC POSITIONS

7/11 Chairman of the Department of Neurosurgery

7/09 Tenured Professor of Surgery (Neurosurgery)
Saint Louis University School of Medicine
St. Louis, Missouri

7/05-6/09 *Associate Professor of Surgery (Neurosurgery)*
Saint Louis University School of Medicine
St. Louis, Missouri

7/00-6/05 *Assistant Professor of Surgery (Neurosurgery)*
Saint Louis University School of Medicine
St. Louis, Missouri

7/98-6/00 *Assistant Professor of Neurological Surgery*
University of Arkansas for Medical Sciences
Little Rock, Arkansas

7/97-6/98 *Instructor of Neurological Surgery*
Yale University School of Medicine
New Haven, Connecticut

STAFF/ADMINISTRATIVE APPOINTMENTS

7/08 *Director, Saint Louis University Center for Cerebrovascular and Skull Base Surgery*
Saint Louis University Hospital
St. Louis, Missouri

2/08 *Neurosurgeon-in-Chief*
Saint Louis University Hospital
St. Louis, Missouri

7/04 *Program Director, Cerebrovascular and Skull Base Surgery Fellowship*
Saint Louis University Hospital
St. Louis, Missouri

- 7/00 *Director, Cerebrovascular and Skull Base Surgery Program*
Saint Louis University Hospital
St. Louis, Missouri
- 7/00 *Attending Staff, Neurological Surgery*
Saint Louis University Hospital
St. Louis, Missouri
- 7/00 *Consultant Neurological Surgeon*
Cardinal Glennon Children's Hospital
St. Louis, Missouri
- 7/98-6/00 *Attending Staff, Neurological Surgery*
University of Arkansas Hospital
Little Rock, Arkansas
- 7/98-6/00 *Attending Staff, Neurological Surgery*
Arkansas Children's Hospital
Little Rock, Arkansas
- 7/98-6/00 *Consultant, Neurological Surgery*
Veterans Administration Hospital
Little Rock, Arkansas
- 7/97-6/98 *Assistant Director of Neuroscience Intensive Care Unit*
Yale-New Haven Hospital
New Haven, Connecticut
- 7/97-6/98 *Attending Staff, Neurological Surgery*
Yale-New Haven Hospital
New Haven, Connecticut
- 7/97-6/98 *Consultant, Neurological Surgery*
West Haven Veterans Hospital
West Haven, Connecticut

TRAINING

- 7/98-6/99 *Skull Base Neurosurgical Fellow*
University of Arkansas School of Medicine
Little Rock, Arkansas
- 7/97-6/98 *Vascular Neurosurgical Fellow*
Yale University School of Medicine
New Haven, Connecticut
- 7/96-6/97 *Neurosurgical Chief Resident*
Henry Ford Hospital
Detroit, Michigan
- 7/92-6/96 *Neurosurgical Resident*
Henry Ford Hospital
Detroit, Michigan
- 7/91-6/92 *Surgical Intern*
Henry Ford Hospital
Detroit, Michigan

EDUCATION

Saint Louis University School of Medicine
St. Louis, Missouri
Doctor of Medicine, Granted in June 1991

Washington University
St. Louis, Missouri
Bachelor of Arts in Biology, 1984

CERTIFICATION

- 2003 Fellow, American College of Surgeons
2002 Diplomat, American Board of Neurological Surgery
1991 National Board of Medical Examiners

LICENSURE

- 2001 Illinois Medical License (Practice)
2000 Missouri Medical License (Practice)
1998 Arkansas Medical License (Fellowship)
1997 Connecticut Medical License (Fellowship)
1995 Michigan Medical License (Neurosurgical Residency)

PROFESSIONAL MEMBERSHIPS (MEDICAL AND SCIENTIFIC SOCIETIES)

American Medical Association (AMA)
Congress of Neurological Surgeons (CNS)

American Association of Neurological Surgeons (AANS)
 American College of Surgeons (ACS)
 American Heart Association (AHA)
 AANS/CNS Joint Section on Cerebrovascular Surgery
 AANS/CNS Joint Section on Tumors
 AANS/CNS Joint Section on Neurotrauma and Critical Care
 North American Skull Base Society (NASBS)
 Society of University Neurosurgeons (SUN)

HONORS AND DISTINCTIONS

Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons. (August 2010)
 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons. (August 2009)
 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons. (August 2008)
 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons. (August 2007)
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 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons.
 (August 2004)

Listed in *Best Doctors in America*® 2010-2011
 Listed in *Best Doctors in America*® 2009-2010
 Listed in *Best Doctors in America*® 2008-2009
 Listed in *Best Doctors in America*® 2007-2008
 Listed in *Best Doctors in America*® 2006-2007
 Listed in *Best Doctors in America*® 2005-2006
 Listed in *Best Doctors in America*® 2004-2005
 Listed in *Best Doctors in America*® 2003-2004

Selected to be among a group of 88 neurosurgeons from around the world to be featured in the book "**In Their Hands**". Thieme Publishing Company. New York, Stuttgart. 2002.

Outstanding Resident Award. Selected by the Board of Governors of Henry Ford Hospital among 600 resident candidates. Detroit, Michigan. 1997.

Best Resident Paper Presentation. Presented at the Michigan Association of Neurological Surgeons Annual Meeting for work done on low-grade gliomas. Traverse City, Michigan. 1994.

TRAINING OF FELLOWS

Dennis Velez, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2004 to December 2004

William McCullough, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2005 to June 2006

John Cantando, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2006 to June 2007

Benedicto Baronia, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2007 to June 2008

Jeroen Coppens, MD

Cerebrovascular Surgery Fellow, July 2008 to June 2009

Genevieve Lapointe, MD

Cerebrovascular and Skull Base Surgery Fellow, October 2008 to September 2009

Jorge Eller, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2010 to June 2011

Deanna Sasaki-Adams, MD

Cerebrovascular and Skull Base Surgery Fellow, July 2010 to June 2011

PROFESSIONAL SERVICE

Member, Governing Board, Saint Louis University School of Medicine (University Medical Group) (2007-2009) (second term 2009-2011)

Committee Memberships: Saint Louis University School of Medicine/Hospital

Patient Safety Committee: Chairman (2006-2009)

SLUH Medical Executive Committee (2006- present)

Saint Louis University Medical Group Executive Committee (2008-present)

Risk Management Committee (2006-present)

Operating Room Committee (2001-present)

Cancer Committee (2001-2004)

Credentialing and Peer Review Committee: Chairman (2009-present)

Dean's Committee for Internal Analysis and Evaluation of the Department of Neurology (6/2002)

Member of Search Committee for Chair of Department of Neurology (2006)

Committee Membership: Yale University School of Medicine

ICU Committee Member (1997-98)

EDITORIAL AND JOURNAL AFFILIATIONS

NEUROSURGERY, Co-Principal (Cranial section), Instrumentation, Technique, and Technology Section of the Editorial Board (2007 to present)

NEUROSURGERY, Ad Hoc Reviewer

ACTA NEUROCHIRURGICA, Ad Hoc Reviewer

WORLD NEUROSURGERY, Ad Hoc Reviewer

NEUROSURGICAL REVIEW, Member of the Advisory Board

NEUROSURGICAL REVIEW, Ad Hoc Reviewer

SANS Teaching System of the Congress of Neurological Surgeons
Managing Editor (2004-2006)

Appointed to Extra-mural Subspecialty Item Writing Committee of the American Board of Neurological Surgery (ABNS) (2006)

GUBERNATORIAL APPOINTMENT

Appointed by Governor Jay Nixon to the Missouri Head Injury Advisory Council (2010-2013)

EXECUTIVE ROLE IN NATIONAL/INTERNATIONAL NEUROSURGICAL SOCIETIES

CONGRESS OF NEUROLOGICAL SURGEONS (CNS)

- Vice President (2010-2011)
- Chairman of the CNS International Division (2009-present)
- Chairman of the Education Committee (2007-2009)
- Member of the Strategic Planning Committee (2008-2009)
- Member of the Strategic Planning Committee (2007-2008)
- Member-at-Large of the Executive Committee (2006-2009)
- Chairman of the Bylaws Committee (2006-2007)
- Ex-Officio Member of the Executive Committee (2005-2006)
- Ex-Officio Member of the Executive Committee (2004-2005)
- Exhibits and Marketing Chairman (2006-2007)
- Exhibits and Marketing Chairman (2005-2006)
- Exhibits and Marketing Chairman (2004-2005)
- Member of the Scientific Program Committee (2009-2010)
- Member of the Scientific Program Committee (2008-2009)
- Member of the Scientific Program Committee (2007-2008)
- Member of the Scientific Program Committee (2006-2007)
- Member of the Scientific Program Committee (2005-2006)
- Member of the Scientific Program Committee (2004-2005)
- Member of the Scientific Program Committee (2003-2004)
- Managing Editor of SANS (2005-2006)
- Member of the International Committee (2007, 2008)
- Member of the Fellowships Committee (2007, 2008)
- Co-Director of the 5th Annual CNS 3-D Surgical Anatomy Course for Senior Residents (August 2010)
- Director of the 4th Annual CNS 3-D Surgical Anatomy Course for Senior Residents (August 2009)
- Director of the 3rd Annual CNS 3-D Surgical Anatomy Course for Senior Residents (August 2008)
- Director of the 2nd Annual CNS 3-D Surgical Anatomy Course for Senior Residents (August 2007)
- Co-Director of the 1st Annual CNS 3-D Surgical Anatomy Course for Senior Residents (August 2006)

- Co-Director of the CNS Annual Meeting Practical Courses (2004-2005)
- Co-Director of the CNS Annual Meeting Practical Courses (2003-2004)

AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS (AANS)

- Member of the Education and Practice Management Committee (2005-2008)

AANS/CNS CEREBROVASCULAR (CV) SECTION

- Member-at-Large of the Executive Council (2008-2011)
- Member of the Executive Council (2005-2008)
- Chair of Annual Meeting (February 2010, San Antonio, Texas)

AMERICAN HEART ASSOCIATION/ INTERNATIONAL STROKE CONFERENCE (ISC)

- Member of the Abstract Grading Committee (2008-2009)
- Member of the Abstract Grading Committee (2007-2008)
- Member of the Abstract Grading Committee (2006-2007)

NORTH AMERICAN SKULL BASE SOCIETY (NASBS)

- Officer/Secretary (2009-Present)
- Member of the Board of Directors (2003-2009)
- Co-Chairman of the Scientific Program Committee (2007-2008)
- Member of the Scientific Program Committee (2004-2005)
- Member of the Scientific Program Committee (2003-2004)
- Member of the Scientific Program Committee (2002-2003)
- Director of the Annual Meetings Practical Courses (2002, 2003, 2004)

SOCIETY OF NEUROLOGICAL SURGEONS (SNS)

- Co-Director of an SNS Midwest-Bootcamp for Neurosurgical Interns (2010)

SOCIETY OF UNIVERSITY NEUROSURGEONS (SUN)

- Co-Chairman of the Future Sites Committee (2008-2012)

WORLD FEDERATION OF SKULL BASE SOCIETIES (WFSBS)

- Member of the Executive Committee (2004-2008)
- Elected Secretary General of the Society by the General Assembly in Sydney, Australia at its 4th International Congress Meeting (2004-2008)
- Co-Chairman of the Scientific Program Committee of the 5th International Congress of the WFSBS (Vancouver, Canada, September 2008)

- Elected Secretary General of the Society by the General Assembly in Vancouver, Canada at its 5th International Congress Meeting (2008-20012)

WORLD FEDERATION OF NEUROSURGICAL SOCIETIES (WFNS)

- Member of the Skull-Base Surgery Committee (2010-present)
- Member of the Cerebrovascular Diseases & Therapy Committee (2010-present)
- Appointed to the Executive Committee of the Joint Educational Neurosurgical Meeting of the WFNS/Asian-Australian Society of Neurological Surgeons/Asian Conference of Neurological Surgeons (2004)

INVESTIGATOR IN NATIONAL CLINICAL TRIALS/RESEARCH SUPPORT/GRANTS

1. Principal Investigator at Saint Louis University School of Medicine for: Carotid Occlusion Surgery Study (COSS) NINDS Grant No. 5U01NS041895-05. 2007-2010.
2. Principal Investigator at Saint Louis University School of Medicine for: Minimally Invasive Surgery plus rt-PA for ICH Evacuation (MISTIE). 2007-present.
3. Investigator at Saint Louis University School of Medicine for: A Randomized, Double-Blind, Placebo Controlled, Multi-Centre, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII in Acute Intracerebral Haemorrhage. August 2005-Present.
4. Investigator at Saint Louis University school of Medicine for: A phase I/II label, single dose Study Study of Intracavitary Administered 1311-TM-601 in Adult Patients with Recurrent High Grade Glioma. December 2002- Present.
5. Principle Investigator. Study of the Efficacy of DuraGen® Dural Graft Matrix for Dural Closure in Cerebrovascular and Skull Base Craniotomies. \$25,000 grant for single institutional efficacy trial.
6. Investigator at Saint Louis University School of Medicine for: A Phase III Randomized Trial of the Role of Whole Brain Radiation Therapy in addition to Radiosurgery in the Management of Patients with One to Three Metastasis. July 2002-2003.
7. Investigator at Saint Louis University School of Medicine for: National Acute Brain Injury Study: Hypothermia (NABIS: H II). July 2002-2004.
8. Investigator at Saint Louis University School of Medicine for: Clinical Study of the Medtronic Durarepair Dura Regeneration Matrix. January 2004-2005.
9. Principle investigator at Saint Louis University School of Medicine for: Evaluation of DURASIS™ dural substitute as a dura mater substitute funded by Cook Biotech, Inc. September 2001-September 2003.
10. Investigator at Saint Louis University School of Medicine for: A randomized, dose ranging, safety and tolerability study of NBI-3001 administered by continuous intratumoral infusion followed by surgical resection in patients with recurrent glioblastoma multiforme. January 2001- January 2003.
11. Investigator at Saint Louis University School of Medicine for: A phase II, multicenter, double-blind, placebo-controlled, safety and efficacy trial of intraventricular hemorrhage, thrombolysis with

alteplase (recombinant DNA origin, rt-PA) using activase® (Genentech). A collaborative study performed by the NCACBI consortium and the American Brain Injury Consortium (ABIC). Project Directors, D. Hanley, MD and A. Marmarou, PhD. May 15, 2001-October 13, 2003

12. Investigator at Saint Louis University School of Medicine for: A multicenter prospective randomized study: A prospective trial of hemicraniectomy vs. non-surgical treatment in patients with massive hemispheric infarctions: Head First. May 21, 1998-February 17, 2003
13. Principle investigator. Henry Ford Fund for Research Grant for the familial AVM study (GR10753). \$10,000 grant. June 1996-June 1997.

DIRECTORSHIP OF NATIONAL/INTERNATIONAL COURSES

1. Chairman of the 4th World Congress on Cerebral Revascularization and the 11th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. Feb 3-6, 2011.
2. Director of The 3-D Live Cadaveric Symposium. The Joint Meeting of the 59th Annual Conference of the Neurological Society of India (NSI) & The CNS. Jaipur, India. Dec. 16-19, 2010.
3. Director of the 5th Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 12-15th, 2010.
4. Chairman of the 3rd World Congress on Cerebral Revascularization and the 10th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. January 7-10th, 2010.
5. Director of the 4th Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 13-16th, 2009.
6. Chairman of the 2nd World Congress on Cerebral Revascularization and the 9th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. January 8-11th, 2009.
7. Director of the 3rd Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 10-14th, 2008.
8. Chairman of the 1st World Congress on Cerebral Revascularization and the 8th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. January 10-13th, 2008.
9. Director of the 2nd Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 9-12th, 2007.
10. Congress Chairman of the 7th Annual International Congress on Cerebral Revascularization. Saint Louis, MO. January 11-14, 2007.
11. Co-Director of the 1st Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 10-13th, 2006.
12. Congress Chairman of the 6th Annual International Congress on Cerebral Revascularization. Saint Louis, MO. January 12-15, 2006.
13. Director of the Operative Techniques with the Masters Symposium. Saint Louis, MO. June 2-5, 2005.
14. Director of the Extra-Cranial to Intra-Cranial Bypass Course at the 8th Joint Annual Meeting of the AANS/CNS Cerebrovascular Section. New Orleans, LA. February 1, 2005.

15. Director of the 5th Annual International Meeting on Cerebral Revascularization. Saint Louis, MO. January 20-23, 2005.
16. Director of Skull-Base Approaches for Cerebral Aneurysms Practical Course. The 54th Annual Meeting of the Congress Neurological Surgeons. San Francisco, CA. October 16-21, 2004.
17. Director of The 2nd Annual Symposium and Hands-On Course: Operative Techniques with the Masters. A four day hands-on course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. June 3-6, 2004.
18. Director of the Practical Workshop of The 15th Annual Meeting of the North American Skull Base Society. New Orleans, LA. February 11-17, 2004.
19. Director of The Fourth Annual International Meeting on Cerebral Revascularization. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. October 9-12, 2003.
20. Director of the Twentieth Anniversary Symposium and Hands-On Course: Operative Techniques with the Masters. A four-day hands-on course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. June 5 – 8, 2003.
21. Director of the three day Pre-Meeting Practical Course for the 14th Annual Meeting of the North American Skull Base Society. Memphis, TN. February 22 – 25, 2003.
22. Director of the Third Annual International Symposium on Cerebral Revascularization. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. September 13 – 15, 2002.
23. Director of the two day hands on workshop for the 13th Annual Meeting of the North American Skull Base Society. San Diego, CA. February 13-14, 2002.
24. Director of the Second International Symposium on Cerebral Revascularization. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. November 30th – December 2nd, 2001.
25. Director of the First Annual International Symposium on Cerebral Revascularization. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. January 19 – 21, 2001.

ORGANIZATION OF NATIONAL COURSES

1. Craniofacial Surgery and Transfacial Approaches of the Skull Base. Two day practical course. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. December 6-7, 2003.
2. Microsurgery of Aneurysms: Recent Advances. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. March 3 – 7, 2003.
3. Intrinsic Brain Tumors: fiber dissection techniques for neurosurgeons. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. February 28 – March 2, 2003.

4. Craniofacial Surgery & Transfacial Approaches to the Skull Base. A two day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. December 7-8, 2002.
5. Advanced Neuroanatomy and Whole Brain Dissection. A three day hands-on practical course taught by national and international faculty. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. October 4 – 6, 2002.

INVITED LECTURES/ VISITING PROFESSORSHIPS

1. Invited Panelist. Using Stereoscopic 3-D Video Recording in Neurosurgery Practice and Education. American Association of Neurological Surgeons Annual Meeting. Denver, CO. April 11, 2011.
2. Invited Moderator. GSS: Vascular Bypass. 21st Annual Meeting of the North American Skull Base Society (NASBS). Phoenix, AZ. Feb. 18, 2011.
3. Invited Moderator. Proffered Paper Sessions. 21st Annual Meeting of the North American Skull Base Society (NASBS). Phoenix, AZ. Feb. 19, 2011.
4. Invited CNS Moderator. Transmission of Live Surgery from the US. The Joint Meeting of the 59th Annual Conference of the Neurological Society of India (NSI) & The CNS. Jaipur, India. Dec. 16-19, 2010.
5. Invited International Speaker. The 4th Annual American-Kuwait Neurosurgical Conference. In collaboration with the AANS. Kuwait City, Kuwait. Dec. 5-7, 2010.
6. Invited International Speaker. Current Management of Giant Intracranial Aneurysms. The 10th Asian-Oceanian International Congress on Skull Base Surgery (AOSBS). Bali, Indonesia. Nov. 10, 2010.
7. Invited International Speaker. Technical Nuances in the Management of Giant Cerebral Aneurysms. The 59th Congresso Nazionale della Societa Italiana de Neurochirurgia (SiNch). Milan, Italy. Oct. 27-30, 2010.
8. Invited Course Moderator. Operative Techniques with the Masters: 3D Cadaveric Demonstration of Cranial Approaches. GSS CNS Annual Meeting. San Francisco, CA. Oct. 16-21, 2010.
9. Course Co-Director. Microneurosurgery with Professor Yasargil. CNS Annual Meeting. San Francisco, CA. Oct. 16, 2010.
10. Invited International Speaker. The Transcondylar Approach. WFNS International Symposium. Malaga, Spain. Sept. 29-Oct. 2, 2010.
11. Invited CNS Guest Lecturer. Approaches for Base of the Skull Tumors. European Association of Neurological Surgery (EANS) Training Course for Senior Residents. Halkidiki, Greece. Sept. 26-30, 2010.
12. Invited International Speaker. Current Management of Giant Intracranial Aneurysms. Brazilian Society of Neurosurgery Annual Meeting. Salvador, Brazil. Sept. 12-16, 2010.
13. Invited Speaker. Unstable Neurosurgical Patient: Case Scenarios. SNS Boot Camp PG1 Course. Chicago, IL. July 23-24, 2010.

14. Invited Course Moderator. Operative Techniques for Cerebral Aneurysms with the Masters. Cerebrovascular Complications Conference. Jackson Hole, WY. July 12-14, 2010.
15. Invited Keynote Speaker. Microsurgical Treatment of Giant Aneurysms. Michigan Association of Neurological Surgeons Annual Meeting. Traverse City, MI. June 13, 2010.
16. Visiting Professor. Henry Ford Hospital. Detroit, MI. May 13-14, 2010.
17. Invited Speaker. M. Gazi Yasargil Fiber Dissection Course. St. Louis, MO. May 6-8, 2010.
18. Invited Panelist. Using Stereoscopic 3D Video Recording in Neurosurgery Practice and Education. AANS Annual Meeting. Philadelphia, PA. May 1-5, 2010.
19. Invited International Speaker. Surgical Approaches to the Ventricular System in the Brain Stem. The 2nd Meeting on Neurosurgical Tips and Tricks. Taormina, Italy. Apr. 15-17, 2010.
20. Invited Speaker. Internal Maxillary Artery to Middle Cerebral Artery Bypass: A Novel Technique for High-Flow Extra-cranial to Intra-cranial Bypass. Society of University Neurosurgeons Annual Meeting. Miami, FL. March 24, 2010.
21. Invited General Scientific Session Speaker. Microsurgical Treatment of Giant Aneurysms. CV Section 2010 Annual Meeting. San Antonio, TX. Feb. 22, 2010.
22. Invited Moderator. Scientific Symposium: Debate the Experts. CV Section 2010 Annual Meeting. San Antonio, TX. Feb. 22, 2010.
23. Invited International Speaker. The 3rd Annual American-Kuwait Neurosurgical Conference. In collaboration with the AANS. Kuwait City, Kuwait. Dec. 5-8, 2009.
24. Invited International Speaker. Microsurgical Treatment of Giant Aneurysms. VIII Congreso de Sociedad de Neurocirugia de la Comunidad Autonoma de Madrid. Madrid, Spain. Nov. 25, 2009.
25. Invited Presenter. Digital Masters Video Symposium. CNS Annual Meeting. New Orleans, LA. Oct. 29, 2009.
26. Invited Moderator. Operative Techniques with the Masters: 3-D Live Cadaveric Demonstration of Surgical Techniques. GSS CNS Annual Meeting. New Orleans, LA. Oct. 28, 2009.
27. Invited Faculty. Open Aneurysm Surgery: A 3-D Practical Course. CNS Annual Meeting. New Orleans, LA. Oct. 25, 2009.
28. Invited Speaker. Vascular Repair and Reconstruction in Skull Base Surgery. The 20th Annual Meeting of the North American Skull Base Society. New Orleans, LA. Oct. 16-18, 2009.
29. Invited International Speaker. How I do it: Upper Vertebrobasilar Junction Aneurysms. European Association of Neurological Surgeons (EANS) Annual Training Course on Vascular Neurosurgery. Opatija, Croatia. Sept. 13-17, 2009.
30. Invited Speaker. Virtual Reality and Robotics in Neurosurgery. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies. Boston, MA. Sept. 3, 2009.
31. Invited Panelist. Extracranial to Intracranial Bypass for Giant Aneurysms. NYC Neurosymposium 2009,

Roosevelt Hospital. New York, NY. August 28, 2009.

32. Invited Moderator. 3-D Live Interactive Operative Techniques with the Masters Session. Cerebrovascular Complications Conference. Jackson Hole, WY. July 10, 2009.
33. Invited International Speaker. Re-do Surgery Following Previous Microsurgery or Radiosurgery. Society of University Neurosurgeons Annual Meeting. Naples, Italy. June 12, 2009.
34. Invited Speaker. General Scientific Session. Review of Carotid Bypass as a Treatment for Symptomatic Disease. International Stroke Conference. San Diego, CA. Feb. 18, 2009.
35. Invited Speaker. EC-IC Bypass Surgery for Complex Aneurysms. The 3rd Cerebral Blood Flow Conference. Stanford University, San Francisco, CA. Feb. 15, 2009.
36. Invited International Speaker. Operative Management of Giant Aneurysms. The 2nd Annual American-Kuwait Neurosurgical Conference. Kuwait City, Kuwait. Nov. 15-18, 2008.
37. Invited Moderator. Operative Techniques with the Masters: 3-D Live Cadaveric Demonstration of Surgical Techniques. General Scientific Session Presentation. Annual Meeting of the Congress of Neurological Surgery. Orlando, FL. Sept. 24, 2008.
38. Invited Moderator. CNS Neurosurgical Forum- Section on Cerebrovascular Surgery. Annual Meeting of the Congress of Neurological Surgery. Orlando, FL. Sept. 22, 2008.
39. Invited Speaker. Modern Indications and Techniques for Open Aneurysm Surgery. Practical Course. Annual Meeting of the Congress of Neurological Surgery. Orlando, FL. Sept. 21, 2008.
40. Invited International Speaker. Vascular Lesions of the Skull Base. The 5th International Congress of the World Federation of Skull Base Societies & 19th Annual Meeting of the North American Skull Base Society. Vancouver, BC, Canada. Sept. 12, 2008.
41. Invited Moderator. 3-D Live Interactive Session of Microsurgical Cases. Cerebrovascular Complications Conference. Jackson Hole, WY. July 11, 2008.
42. Invited Speaker. In Retrospect: What I Would Have Done Differently: An Assessment of Intraoperative Microsurgical Decision-Making. Society of University Neurosurgeons Annual Meeting. San Francisco, CA. July 2, 2008.
43. Invited International Speaker. Giant Aneurysms: Indications and Results of EC-IC Bypass Surgery. Live Interventional Neuroradiology Neurosurgery Course. Paris, France. June 19, 2008.
44. Discussant/Plenary session paper. Automated, Compliant, High-Flow Common Carotid to MCA Bypass (Dacey RG, et al.). American Association of Neurological Surgeons Annual Meeting. Chicago, IL. April 28, 2008.
45. Visiting Professor. Management of Giant Cerebral Aneurysms. Department of Neurosurgery Grand Rounds, University of Virginia. Charlottesville, VA. March 20-22, 2008.
46. Invited Speaker. Plenary session. Rescue Strategies During EC-IC Bypass Surgery. AANS/CNS Cerebrovascular Section Meeting. New Orleans, LA. February 19th, 2008.
47. Invited Speaker. Cerebral Aneurysms: Evolving Treatment Paradigms. Department of Neurosurgery Grand Rounds, Baylor College of Medicine. Houston, TX. February 13th, 2008.

48. Invited International Speaker. Skull Base Approaches for Complex Intracranial Aneurysms. US Masters in Neurological Surgery. Dubai, UAE. November 9-11, 2007.
49. Oral Abstract Presentation. High-flow Extracranial to Intracranial Bypass for Giant Transitional Cavernous Clinoidal Internal Carotid Artery Aneurysms: Assessment of Surgical and Long-Term Functional Outcomes. American Academy of Neurological Surgery Annual Meeting. Lake Las Vegas, NV. October 31-November 3.
50. Invited Speaker. Extracranial to Intracranial Bypass Using a Radial Artery Graft for a Giant ICA Aneurysm. Digital Masters Video Symposium. Annual Meeting of the Congress of Neurological Surgery. San Diego, CA. September 19, 2007.
51. Invited Moderator. Operative Techniques with the Masters: 3-D Live Cadaveric Demonstration of Surgical Techniques. General Scientific Session Presentation. Annual Meeting of the Congress of Neurological Surgery. San Diego, CA. September 18, 2007.
52. Invited Speaker. Extracranial to Intracranial Bypass Techniques in Ischemic Disease. Cerebral Ischemic Disease: Current Management Strategies Luncheon Seminar. Annual Meeting of the Congress of Neurological Surgery. San Diego, CA. September 18, 2007.
53. Invited Speaker. Extracranial to Intracranial Bypass for Giant Aneurysms. Modern Indications and Techniques for Open Aneurysm Surgery Practical Course. Annual Meeting of the Congress of Neurological Surgery. San Diego, CA. September 16, 2007.
54. Invited Speaker. Technical Nuances in Extracranial to Intracranial Bypass Surgery. Hands-on Cerebral Revascularization Course. Annual Meeting of the Congress of Neurological Surgery. San Diego, CA. September 16, 2007.
55. Invited Visiting Professor. Extracranial to Intracranial Bypass for Giant Aneurysms. University Medical Center Utrecht. Host: Professor Tulleken. Utrecht, Netherlands. July 5-6, 2007.
56. Invited International Moderator. Live Interventional Neuroradiology and Neurosurgery Course. Host: Professor Jacques Moret. Paris, France. July 2-4, 2007.
57. Invited International Speaker. Lessons Learned from Aviation Flight Simulation: Early Concepts of Simulation in Neurological Surgery. Society of University Neurosurgeons Annual Meeting. London, England. June 26-29, 2007.
58. Invited Speaker. Middle Cranial Fossa Approach. The 18th Annual Meeting of the North American Skull Base Society. Chicago, IL. May 24-27, 2007.
59. Invited International Speaker. Virtual Reality Skull Base Surgery: 3-D Demonstration of Operative Procedures. The 8th Congress of the European Skull Base Society. Prague, Czech Republic. May 2-5, 2007.
60. Invited Speaker. Intracranial Bypass Techniques. Cerebral Aneurysm Microsurgery Course. St. Louis, MO. March 5-9, 2007.
61. Invited Moderator. Cerebrovascular Occlusive Disease. Plenary Session. International Stroke Conference 2007: American Heart Association/ American Stroke Association. San Francisco, CA. February 7-9, 2007.

62. Visiting Professor. Current Treatment of Giant Aneurysms. Medical College of Wisconsin. Milwaukee, WI. November 17, 2006.
63. Invited International Speaker. Management of Giant Aneurysms. Asian Oceanic Skull Base Society Meeting. Dubai, United Arab Emirates. November, 2006.
64. Invited Speaker. Skull Base Approaches. Comprehensive Brain Anatomy and Neurological Assessment Course. Saint Louis, MO. November, 2006.
65. Symposium Moderator. Live 3-D Cadaveric Demonstration of Surgical Approaches. General Scientific Session. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October, 2006.
66. Invited Faculty. Cerebral Revascularization Surgery: A Hands-On Course. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October, 2006.
67. Invited Panelist. Cerebral Revascularization in Symptomatic Patients: Current and Future Treatments. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October, 2006.
68. Course Director. Skull Base Approaches for Cerebral Aneurysms. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October, 2006.
69. Invited International Lecturer. Intracranial Bypass Techniques. Olivecrona Symposium, Karolinska University Hospital. Stockholm, Sweden. Sept. 8-9, 2006.
70. Invited Speaker. North American Skull Base Society Course for Senior Residents. Memphis, TN. August 24-25, 2006.
71. Invited Speaker. Department of Anesthesia Grand Rounds. Cerebrovascular and Skull Base Surgery: Evolving Concepts. Saint Louis University School of Medicine, St. Louis, MO. May 31, 2006.
72. Invited Speaker. Oral Board Preparation Course. American Association of Neurological Surgeons. Houston, TX. May 6-7, 2006.
73. Invited Panelist. Plenary Session. Futuristic Techniques: Endoscopic versus Open for Anterior Skull Base Tumors. 17th Annual Meeting of the North American Skull Base Society. Phoenix, AZ. February 19th, 2006.
74. Invited Faculty. Hands-on Skull Base Course. 17th Annual Meeting of the North American Skull Base Society. Phoenix, AZ. February 16th, 2006.
75. Invited Panelist. Surgical and Endovascular Revascularization Symposium. 9th Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and the American Society of Interventional and Therapeutic Neuroradiology. Orlando, FL. February 20th, 2006.
76. Invited International Speaker. Skull Base Surgery International Symposium. Riyadh, Saudi Arabia. January 28-30th, 2006.
77. Invited Speaker. Comprehensive Brain Anatomy and Neurological Assessment Course. Saint Louis, MO. November 11-13th, 2005.
78. Invited Speaker. Digital Masters Video Symposium. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 13th, 2005.

79. Invited Panelist. Cerebral Revascularization in Symptomatic Patients: Current and Future Treatments. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 10th, 2005.
80. Course Director. Skull Base Approaches for Cerebral Aneurysms. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 9th, 2005.
81. Invited Speaker. Operative Techniques with the Masters: Video Presentation of Intra-Operative Pearls and Nuances. The 16th Annual Meeting of the North American Skull Base Society. Toronto, Ontario, Canada. April 7-10, 2005.
82. Invited Senior Faculty. Microsurgery of Aneurysms: Recent Advances. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. February 28-March 4, 2005.
83. Invited Speaker. Surgical and Endovascular Cerebral Revascularization Scientific Session. The 8th Joint Annual Meeting of the AANS/CNS Cerebrovascular Section. New Orleans, LA. February 1-4, 2005.
84. Invited Speaker. Intracranial Aneurysms: Coil or Clip? Session. The 54th Annual Meeting of the Congress of Neurological Surgeons. San Francisco, CA. October 16-21, 2004.
85. Invited Senior Faculty. The 3rd Annual Skull Base Course for Senior Neurological Surgery Residents. Sponsored by the North American Skull Base Society. Memphis, TN. July 30-August 1, 2004.
86. Invited Lecturer. Current Management of Low-Grade Gliomas. Seminar Panelist. American Association of Neurological Surgeons. Orlando, FL. May 4, 2004.
87. Invited Lecturer. Surgical Approaches to the Skull Base. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. April 28-30, 2004.
88. Invited speaker. General scientific session. Vascular Considerations at the Base of Skull. The 15th Annual Meeting of the North American Skull Base Society. New Orleans, LA. February 17th, 2004.
89. Invited Course Faculty. Microsurgery of Aneurysms: Recent Advances. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. March 1-5, 2004.
90. Invited Lecturer. Skull Base Anatomy and Surgical Approaches as part of the Comprehensive Brain Anatomy and Neurological Assessment Course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. October 24-26, 2003.
91. Invited Senior Faculty. The 2nd Annual Skull Base Course for Senior Neurological Surgery Residents. Sponsored by the North American Skull Base Society. Memphis, TN. July, 2003.
92. Invited Panelist for the breakfast seminar: State-of-the-Art Treatments for Low Grade Gliomas. Panel included: Peter Black and James Rutka. American Association of Neurological Surgeons. San Diego, CA. April 28, 2003.
93. Invited Lab Faculty for a three day hands-on workshop. Surgical Approaches to the Skull Base. Practical Anatomy Workshop. Saint Louis University. St. Louis, Missouri. April 24 -26, 2003.
94. Grand Rounds. Skull Base Surgery: Concepts and Techniques. Otolaryngology – Head & Neck Surgery, Saint Louis University School of Medicine. St. Louis, MO. March 19, 2003.

95. Invited as a moderator of General Scientific Session: Vascular Bypass in Skull Base Surgery. The 14th Annual meeting of the North American Skull Base Society. Memphis, TN. February 22 – 25, 2003.
96. Invited Faculty. Rat Anastomosis Workshop at the Barrow Neurological Institute Lab. The Sixth Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional & Therapeutic Neuroradiology. Phoenix, AZ. February 16, 2003.
97. Invited Senior Faculty. The 1st Annual Skull Base Course for Senior Neurological Surgery Residents. Sponsored by the North American Skull Base Society. Memphis, TN. July 19 –21, 2002.
98. Invited Senior Faculty. Surgical Approaches to the Skull Base Course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. April 4-6, 2002.
99. Invited as a Moderator for the Breakfast with the Masters session. Faculty: Robert F. Spetzler & Laligam N. Sekhar. The 13th Annual Meeting of the North American Skull Base Society. San Diego, CA. February 19, 2002.
100. Course Director. The two day hands-on workshop for Skull Base Approaches. Twenty senior faculty. The 13th Annual Meeting of the North American Skull Base Society. San Diego, CA. February 14-15, 2002.
101. Invited course faculty. Microvascular Reconstruction. Congress of Neurological Surgeons. San Diego, CA. September 30th, 2001.
102. Invited Senior Faculty. Comprehensive Brain Anatomy and Neurological Assessment. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. October 5-7, 2001.
103. Neurosurgery Grand Rounds: Nuances in Cerebrovascular and Skull Base Surgery. Beth Israel Hospital, Department of Neurosurgery-Albert Einstein School of Medicine. New York, NY. December 19th, 2001
104. Grand Rounds. Skull Base Approaches: Concepts and Techniques. Otolaryngology-Head and Neck Surgery, Saint Louis University School of Medicine. St. Louis, MO. December 20, 2000.
105. Invited Faculty. Surgical Approaches to the Skull Base Course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. April 19-21, 2001.
106. Invited Faculty to demonstrate skull base approaches in Neurological Anatomy & Operative Approaches course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. September 8-10th, 2000.
107. Trauma Grand Rounds. Current Management of Closed Head Injury. Department of Surgery. University of Arkansas for Medical Sciences. Little Rock, AR. September, 1999.
108. Grand Rounds. Cerebrovascular Malformation: Perspectives on Pathogenesis and Natural History. Invited International speaker. Department of Surgery. National Guard Hospital. Riyadh, Saudi Arabia. July 25th, 1999.
109. Grand Rounds. Dural Arteriovenous Malformations: Current Management Strategies. Department of Neurological Surgery. University of Arkansas for Medical Sciences. Little Rock, AR. June 7, 1999.
110. Invited Faculty, Luncheon Seminar. Dural and Spinal Arteriovenous Malformations. Congress of Neurological Surgeons. Seattle, WA. October 1998.

111. Grand Rounds. Phenotype and Genotype of Vascular Malformations. Department of Neurological Surgery. University of Arkansas. Little Rock, AR. January 5th, 1998.
112. Invited International speaker. Grand Rounds. Paradigms for the Management of Intracerebral Hemorrhage. Department of Neurosciences. King Faisal Specialist Hospital. Riyadh, Saudi Arabia. November 24th, 1997.
113. Cerebrovascular Conference Grand Rounds. Hemorrhagic Stroke: Current Management Strategies. Yale University School of Medicine. New Haven, CT. October 1997.

ORAL ABSTRACT PRESENTATIONS

1. Abdulrauf SI. In Retrospect: What I Would Have Done Differently: An Assessment of Intraoperative Microsurgical Decision Making. **Society of University Neurosurgeons Annual Meeting**. San Francisco, CA. July 2, 2008.
2. Velez DA and Abdulrauf SI. The Use of Duragen in Cerebrovascular and Skull Base Surgery. Presented at the **15th Annual Meeting of the North American Skull Base Society**. New Orleans, LA. February 2004.
3. Basta P and Abdulrauf SI. Early Experience Using Customized Polyethylene Implants for the Reconstruction of the Orbital Roof and Lateral Orbital Wall in Cranio-Orbital Zygomatic (COZ) Craniotomies. Presented at the **15th Annual Meeting of the North American Skull Base Society**. New Orleans, LA. February 2004.
4. Velez DA and Abdulrauf SI. The Inion as an External Landmark to the Confluence of the Sinuses: An Anatomical Study. Presented at the **15th Annual Meeting of the North American Skull Base Society**. New Orleans, LA. February 2004.
5. Lesley WS, Thomas M, Abdulrauf SI. Middle meningeal artery aneurysm nBCA embolization in a patient with neurofibromatosis Type 2- Case Report. Presented at the **7th Annual Joint Meeting AANS/CNS/ASITN**. San Diego, CA. 2004.
6. White D and Abdulrauf SI. The anterior ethmoidal artery: Anatomy and technical considerations. Presented at the **American Association of Neurological Surgeons**. Chicago, IL. April 2002.
7. Abdulrauf SI and MG Yasargil. Anatomic factors affecting surgical outcome of basilar apex aneurysms. Presented at the **Congress of Neurological Surgery** meeting. Boston, MA. November 1999.
8. Abdulrauf SI, Kaynar M, and Awad IA. The clinical profile of cavernous malformations with and without associated venous malformations. Presented at the **Joint Section on Cerebrovascular Surgery**. Orlando, FL. February 1998.
9. Abdulrauf SI, Malik G, Gueterez J, Jackson MD, and Rempel S. Possible role of TGF- beta in the development of cerebral arterio-venous malformations. Presented at the **5th International Workshop on Cerebral Vascular Surgery**. Fukuoka, Japan. March 1997.
10. Abdulrauf SI, Edvardsen K, Ho K, Rock J, and Rosenblum M. Vascular Endothelial Growth Factor expression and vascular density as prognostic markers of survival in patients with low-grade astrocytoma. Presented at the **Congress of Neurological Surgeons**. Montreal, Canada. September 1996.

11. Malik G. MD and Abdulrauf SI. Pure sylvian fissure arterio-venous malformations. Department of Neurological Surgery. Henry Ford Hospital, Detroit, Michigan. Presented at the **Congress of Neurological Surgeons**. Montreal, Canada. September 1996.
12. Malik G and Abdulrauf SI. Spontaneous thrombosis of cerebral arteriovenous malformations. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Congress of Neurological Surgeons** meeting. San Francisco, CA. October 1995.
13. Malik G, Abdulrauf SI, and Qureshi N. The role of Intraluminal shunt and carotid patch graft in carotid endarterectomy. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **European Congress of Neurosurgery**. Berlin, Germany. May 1995.
14. Rosenblum M, and Abdulrauf SI. Management of low-grade gliomas; a controversy with few answers. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Invitational lectureship at the **Inter-urban Neurosurgical Society and the American Association of Neurological Surgeons** meeting. Chicago, IL. February 24, 1995.
15. Malik G and Abdulrauf SI. Carotid endarterectomy without the use of a shunt or patch graft. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Congress of Neurological Surgeons** meeting. Chicago, IL. October 1994.
16. Abdulrauf SI, Rock J, and Rosenblum M. Neo-vascularity as a prognostic feature in low grade gliomas. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Congress of Neurological Surgeons** meeting. Chicago, IL. October 1994.
17. Abdulrauf SI and Malik G. The natural history of arterio-venous malformations. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Michigan Association of Neurological Surgery** meeting. Traverse City, MI. June 1994.
18. Abdulrauf SI, Rock J, and Rosenblum M. The natural history of low grade gliomas. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Michigan Association of Neurological Surgery** meeting. Traverse City, MI. June 1994.
19. Abdulrauf SI and Malik G. MD. Multiple cerebral arterio-venous malformations: management strategies. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **American Association of Neurological Surgeons** meeting. San Diego, CA. April 1994.
20. Abdulrauf SI and Elisevich K. The frequency of seizures after radiotherapy of the brain. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the XI meeting of **Stereotactic and Functional Neurosurgery**. Ixtapa, Mexico. October 1993.
21. Malik G, Abdulrauf SI, and Mehta B. The management of large arteriovenous malformations: surgical excision vs. stage pre-operative embolization and surgery. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **Cerebro-Vascular Malformations** meeting. Verona, Italy. June 1992.
22. Malik G, Abdulrauf SI, and Tomecek F. Familial associations in brain arteriovenous malformations. Department of Neurosurgery, Henry Ford Hospital, Detroit, Michigan. Presented at the **American Association of Neurological Surgeons** meeting. San Francisco, CA. April 1992.

PUBLICATIONS

JOURNAL ARTICLES (in peer reviewed journals)

1. Enam S, Abdulrauf SI, Mehta B, Malik G, and Mahmood A. Metastasis in meningioma. **Acta Neurochirurgica** 138 (10): 1172-7, 1996.
2. Malik G, Abdulrauf SI, Yang XY, Guetierrez JA, and Rempel S. Expression of transforming growth factor-beta complex in arteriovenous malformations. **Neurogia medico-chirurgica** 38: 161-4, 1998.
3. Abdulrauf SI, Edvardsen K, Ho K, Rock J, and Rosenblum M. Vascular Endothelial Growth Factor expression and vascular density as prognostic markers of survival in patients with low-grade astrocytoma. **Journal of Neurosurgery** 88: 513-520, March 1998.
4. Awad I, Fayad P, and Abdulrauf SI. Protocols and critical pathways for stroke care: Developing critical pathways for stroke. **Clinical Neurosurgery**, 45: 86-112, 1999.
5. Maraire J, Abdulrauf SI, Berger S, Knisely J, and Awad IA. De Novo development of cavernous malformation of spinal cord following spinal axis radiation: Case report. **Journal of Neurosurgery** 90: 234-238, April 1999.
6. Abdulrauf SI, Malik G, and Awad I. Spontaneous angiographic obliteration of cerebral arteriovenous malformations. **Neurosurgery** 44(2): 280-7, Feb 1999.
7. Abdulrauf SI, Furlan AJ, and Awad I. Primary Intracerebral Hemorrhage and Subarchnoid Hemorrhage. **Journal of Stroke and Cerebrovascular Diseases**, 8,(3): 146-150, May-June 1999.
8. Abdulrauf SI, Kaynar M, and Awad I. A comparison of the clinical profile of cavernous malformations with and without associated venous malformations. **Neurosurgery** 44:41-47, Jan 1999.
9. Abdulrauf SI and Al-Mefty O. The Cranio-Orbital Zygomatic Approach. **PAJN**, 4: 11-16, April 2000.
10. Leira EC, Cruz-Flores S, Leacock RO, and Abdulrauf SI. Sumatriptan can alleviate headaches due to carotid artery dissection: Case report. **Headache: The Journal of Head and Face Pain**, 41:590-591, June 2001.
11. Sincoff E and Abdulrauf SI. Anomalous Origin of the Left A1 segment from the right internal carotid artery. Case illustration. **Journal of Neurosurgery** Dec 99:1101, 2003.
12. Lesley WS, Thomas M, and Abdulrauf SI. Middle meningeal artery aneurysm nBCA embolization in a patient with neurofibromatosis Type 2- Case Report. **American Journal of Neuroradiology** 25: 1414-1416, Sept 2004.
13. Sincoff EH, Tan Y, and Abdulrauf SI. White matter fiber dissection of the optic radiations of the temporal lobe and implications on surgical approaches to the temporal horn. **Journal of Neurosurgery** 101: 739-746, 2004.
14. Leira EC, Acharya AB, Cruz-Flores S, Albaker OJ, Rao VC, and Abdulrauf SI. Blood pressure surge precedes intracerebral hemorrhage: a monitored case. **Neurocritical Care** 2005;2(2):218.
15. White DV, Sincoff. E, and Abdulrauf SI. The Anterior Ethmoidal Artery: Microsurgical Anatomy and Technical Considerations. **Neurosurgery** 56; 406-410, April, 2005.

16. Coppens JR, Mahaney KB, and Abdulrauf SI. An anteromedial approach to the temporal horn to avoid injury to the optic radiation fibers and uncinata fasciculus: anatomical and technical note. **Journal of Neurosurgery. Neurosurg Focus** 15;18(6B): E3, 2005.
17. Abdulrauf SI. Extracranial-to-Intracranial Bypass Using Radial Artery Grafting for Complex Skull Base Tumors: Technical Note. **Skull Base: An Interdisciplinary Approach** 15,3:207-213, 2005.
18. Yasargil MG and Abdulrauf SI. Surgery of Intraventricular Tumors. 30th Anniversary Human Cerebrum III Issue. **Neurosurgery** June 2008;62(6)SHC1029-40.
19. Coppens JR, Cantando JD, and Abdulrauf SI. Minimally Invasive Awake STA to MCA Bypass through a Large Burr Hole: The Use of CT Angiography Neuronavigation in Surgical Planning: Technical Note. **Journal of Neurosurgery** September 2008; 109(3)553-8.
20. Mahaney KM and Abdulrauf SI. Anatomical Relationship of the Optic Radiations to the Atrium of the Lateral Ventricle: Description of a Novel Entry Point to the Trigone. **Neurosurgery** October 2008;63.
21. Abdulrauf SI, Sweeney JM, Mohan YS, and Palejwala SK. Short Segment Internal Maxillary Artery to Middle Cerebral Artery: A Novel Technique for Extracranial-to-Intracranial Bypass. **Neurosurgery**. Accepted for Publication for March 2011.

JOURNAL ARTICLES (in non- peer reviewed journals)

1. Abdulrauf SI and Al-Mefty O. The Petrosal Approach. **Operative Techniques in Neurosurgery** 2:58-63, July 1999.

JOURNAL INVITED EDITORIALS

1. Abdulrauf SI and Awad IA. Bilateral (mirror-image) aneurysms at the origin of the posteroinferior cerebellar artery: case report. Wellman BJ and Loftus CM. Comments: **Neurosurgery** 42: 940, 1998.
2. Abdulrauf SI and Awad IA. Intraoperative color-coded duplex sonography for localization of a distal middle cerebral artery aneurysm: technical case report. Payer M, Kaku Y, Bernays R, and Yonekawa Y. Comments: **Neurosurgery** 42: 943, 1998.
3. Abdulrauf SI and Awad IA. Influence of degree of carotid artery stenosis and collateral pathways and effect of carotid endarterectomy on cerebral vasoreactivity. Hosoda K, Fujita S, Kawaguchi T, Shose Y, Shibata Y and Tamaki N. Comments: **Neurosurgery** 42: 994, 1998.
4. Abdulrauf SI and Awad IA. Risks of surgical management for cavernous malformations of the nervous system. Amin-Hanjani S, Ogilvy CS, Ojemann RG and Crowell RM. Comments: **Neurosurgery** 42: 1227, 1998.
5. Awad IA and Abdulrauf SI. Intra-arterially administered papaverine for the treatment of symptomatic cerebral vasospasm. Polin RS, Hansen CA, Stat M, German P, Chadduck JB, and Kassell NF. Comments: **Neurosurgery** 42: 1265, 1998.
6. Abdulrauf SI and Awad IA. The prospective natural history of cerebral venous malformations. McLaughlin, MR, Kondziolka D, Flickinger JC, Lunsford S, and Lunsford LD. Comments: **Neurosurgery** 43: 200, 1998.
7. Abdulrauf SI and Awad IA. Saccular aneurysm induction by elastase digestion of the arterial wall: a new animal model. Miskolczi L, Guterman LR, Flaherty JD, and Hopkins, LN. Comments: **Neurosurgery**

- 43: 601, 1998.
8. Yasargil MG and Abdulrauf SI. Dissection from fundus to neck for ruptured anterior and middle cerebral artery aneurysms at the acute surgery. Inagawa T. Comments: **Acta Neurochir (Wein)** 141: 570, 1999.
 9. Yasargil MG and Abdulrauf SI. Ophthalmic artery aneurysm associated with Horner's syndrome. Pritz MB. Comments: **Acta Neurochir (Wein)** 141: 892, 1999.
 10. Yasargil MG and Abdulrauf SI. Ruptured aneurysm at the trunk of the accessory cerebral artery. Georgopoulos CE, Papanikolaou PG, Vlachos KI, Atzemi-Moldow N and Hatzidakis GI. Comments: **Acta Neurochir (Wein)** 141: 1234-35, 1999.
 11. Yasargil MG and Abdulrauf SI. Current results of the surgical management of aneurysms of the basilar apex. Samson D, Batjer HH and Kopitnik TA., Jr. Comments: **Neurosurgery** 44: 703, 1999.
 12. Yasargil MG and Abdulrauf SI. Infraoptic course of the anterior cerebral artery. Spinnato S, Pasqualin A, Chioffi F and Da Pian R. Comments: **Neurosurgery** 44: 1319, 1999.
 13. Yasargil MG and Abdulrauf SI. Morphometry of microsurgical approach to the third ventricle. Comments: **Neurosurgery** 45: 318-319, 1999.
 14. Yasargil MG and Abdulrauf SI. Microsurgical anatomy of the temporal lobe: Part 1: Mesial temporal lobe anatomy and its vascular relationships as applied to amygdalohippocampectomy. Wen HT, Rhoton AL Jr, de Oliveira E, Cardoso ACC, Tedeschi H, Baccanelli M and Marino R. Jr. Comments: **Neurosurgery** 45: 591, 1999.
 15. Yasargil MG and Abdulrauf SI. The pterional approach for the microsurgical removal of olfactory groove meningiomas. Turazzi S, Cristofori L, Gambin R and Bricolo A. Comments: **Neurosurgery** 45: 826, 1999.
 16. Yasargil MG and Abdulrauf SI. Contralateral approach to carotid cave aneurysms. Sheikh B, Ohata K, El-Naggar A, Hong B, Tsuyuguchi N and Hakuba A. Comments: **Acta Neurochir (Wein)** 142: 37, 2000.
 17. Yasargil MG and Abdulrauf SI. Radiation-induced aneurysm and moyamoya vessels presenting with subarachnoid haemorrhage. Maruyama K, Mishima K, Saito N, Fujimaki T, Sasaki T and Kirino T. Comments: **Acta Neurochir** 142: 143, 2000.
 18. Yasargil MG and Abdulrauf SI. Clinical safety and performance of Sugita titanium aneurysm clips. Takayasu M, Nagatani T, Noda A, Shibuya M and Yoshida J. Comments: **Acta Neurochir (Wein)** 142: 162, 2000.
 19. Yasargil MG and Abdulrauf SI. Duplication of middle cerebral artery associated with an unruptured aneurysm. Nomura M, Yamashita T, Kita D, Kajinami K and Yamashita J. Comments: **Acta Neurochir (Wein)** 142: 222, 2000.
 20. Yasargil MG and Abdulrauf SI. Long term outcomes for surgically resected craniopharyngiomas. Duff JM, Meyer FB, Ilstrup DM, Laws ER Jr, Schleck CD and Scheithauer BW. Comments: **Neurosurgery** 46: 304, 2000.
 21. Yasargil MG and Abdulrauf SI. Extreme lateral supracerebellar infratentorial approach to the posterolateral mesencephalon: technique and clinical experience. Vishteh AG, David CA, Marciano FF, Coscarella E and Spetzler RF. Comments: **Neurosurgery** 46: 388, 2000.

22. Yasargil MG and Abdulrauf SI. Transcallosal interforaminal-transforaminal approach for removing lesions occupying the third ventricular space: clinical and neuropsychological results. Winkler PA, Ilmberger J, Krishnan KG and Reulen HJ. Comments: **Neurosurgery** 46: 888-889, 2000.
23. Yasargil MG and Abdulrauf SI. The Pretemporal transcavernous approach to the interpeduncular and prepontine cisterns: microsurgical anatomy and technique application. Seoane E, Tedeschi H, de Oliveira E, Wen HT and Rhoton AL, Jr. Comments: **Neurosurgery** 46: 898, 2000.
24. Yasargil MG and Abdulrauf SI. Pre- versus post-anterior clinoidectomy measurements of the optic nerve, internal carotid artery, and opticocarotid triangle: a cadaveric morphometric study. Evans JJ, Hwang Y. and Lee JH. Comments: **Neurosurgery** 46: 1022, 2000.
25. Yasargil MG and Abdulrauf SI. Basal brain injury in aneurysm surgery. Kivisaari RP, Salonen O and Ohman J. Comments: **Neurosurgery** 46: 1074-75, 2000.
26. Yasargil MG and Abdulrauf SI. Scaled clips for aneurysm surgery: technical note. Mizutani T. Comments: **Neurosurgery** 46: 1253-54, 2000.
27. Yasargil MG and Abdulrauf SI. Surgical approaches for the treatment of aneurysms on the P2 segment of the posterior cerebral artery. Terasaka S, Sawamura Y, Kamiyama H and Fukushima T. Comments: **Neurosurgery** 47: 365-366, 2000.
28. Yasargil MG and Abdulrauf SI. Persistent trigeminal artery: A unique anatomic specimen – analysis and therapeutic implications. Suttner N, Mura J, Tedeschi H, Ferreira MAT, Wen HT, de Oliveira E. and Rhoton AL Jr. Comments: **Neurosurgery** 47: 433, 2000.
29. Yasargil MG and Abdulrauf SI. The insular lobe: physiopathological and surgical considerations. Duffau H, Capelle L, Lopes M, Faillot T, Sichez JP and Fohanno D. Comments: **Neurosurgery** 47: 811, 2000.
30. Yasargil MG and Abdulrauf SI. Lilliequist's membrane is a fold of the arachnoid mater: study using sheet plastination and scanning electron microscopy. Zhang M, Med M and An PC. Comments: **Neurosurgery** 47: 908, 2000.
31. Yasargil MG and Abdulrauf SI. Parameters for contralateral approach to ophthalmic segment aneurysms of the internal carotid artery. Kakizawa Y, Tanaka Y, Orz Y, Iwashita T, Hongo K, and Kobayashi S. Comments: **Neurosurgery** 47: 1137, 2000.
32. Yasargil MG and Abdulrauf SI. Surgical management of middle cerebral artery aneurysms. Heros RC and Fritsch MJ. Comments: **Neurosurgery** 48: 785-786, 2001.
33. Yasargil MG and Abdulrauf SI. Jugular foramen: Microscopic anatomic features and implications for neural preservation with reference to glomus tumors involving the temporal bone. Sen C, Hague K, Kacchara R, Jenkins A, Das S and Catalano P. Comments: **Neurosurgery** 48: 848, 2001.
34. Yasargil MG and Abdulrauf SI. Surgical management of clinoidal meningiomas. Lee JH, Jeun SS, Evans J, and Kosmorsky G. Comments: **Neurosurgery** 48: 1020-1021, 2001.
35. Yasargil MG and Abdulrauf SI. Middle meningeal origin of the ophthalmic artery. Liu Q and Rhoton A. Comments: **Neurosurgery** 49: 406-407, 2001.
36. Yasargil MG and Abdulrauf SI. The subchoroidal approach to the third ventricle: surgical anatomy

- according to Galen. Viale G, Pau A, Sehrbundt E and Turtas S. Comments: **Neurosurgery** 49: 991, 2001.
37. Yasargil MG and Abdulrauf SI. Infratentorial supracerebellar approach to the colloid cysts of the third ventricle. Konovalov AN and Pitshkelauri DI. Comments: **Neurosurgery** 49: 1122, 2001.
 38. Yasargil MG and Abdulrauf SI. Inferior temporal sulcus as a site of corticotomy: magnetic resonance analysis of individual sulcus patterns. Miyagi Y, Shima F, Ishido K, Araki T and Kamikaseda K. Comments: **Neurosurgery** 49: 1397-1398, 2001.
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