CURRICULUM VITAE

Saleem I. Abdulrauf, MD, FACS

Professor of Neurosurgery
George Washington University

ACADEMIC POSITIONS

8/2025 Professor of Neurosurgery
George Washington University
Washington D.C.

4/2023 Clinical Professor of Neurosurgery
George Washington University
Washington D.C.

8/2020 CEO and Neurosurgeon-in-Chief Abdulrauf Institute of Neurosurgery

- Consultant Neurosurgeon-Orlando Health-Arnold Palmer Hospital, Orlando, Florida
- Consultant Neurosurgeon-Mosaic Health System-St. Joe, Missouri
- Consultant Neurosurgeon- Clinica Adventista Belgrano, Buenos Aires, Argentina

7/2011-2020 Founding Chairman of Department of Neurosurgery
Saint Louis University
St. Louis, Missouri

7/2009 Tenured Professor of Surgery (Neurosurgery)
Saint Louis University School of Medicine
St. Louis, Missouri

7/05-6/2009 Associate Professor of Surgery (Neurosurgery)
Saint Louis University School of Medicine
St. Louis, Missouri

7/2000-6/05 Assistant Professor of Surgery (Neurosurgery)
Saint Louis University School of Medicine
St. Louis, Missouri

7/98-6/2000 Assistant Professor of Neurological Surgery
University of Arkansas for Medical Sciences
Little Rock, Arkansas

7/1997-6/98 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

Johns Hopkins University
Washington DC Campus
Candidate, Doctor of International Affairs (DIA), expected May 2024

Yale University
New Haven, Connecticut
Fellowship in Cerebrovascular Surgery, Granted June 1998

Henry Ford Hospital
Detroit, Michigan
Residency training in Neurosurgery, Graduated June 1997

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

2025 State of Virginia License (Clinical Practice)
2023 District of Columbia License (Clinical Practice)
2021 Florida Medical License (Clinical Practice)
2001 Illinois Medical License (Clinical Practice)
2000 Missouri Medical License (Clinical Practice)
1998 Arkansas Medical License (During Fellowship)
1997 Connecticut Medical License (During Fellowship)
1995 Michigan Medical License (During 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)
Walter E. Dandy Neurosurgical Society (WEDNS)

HONORS AND DISTINCTIONS

July 2018 Awarded "Honorary Professorship" by National Centre for Neurosurgery Astana, Republic of Kazakhstan
August 2012 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons
August 2011 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 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons
August 2006 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons
August 2005 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons
August 2004 Featured in "*St. Louis Magazine*"® as one of the city's top Neurological Surgeons
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 Listed in *Best Doctors in America*®

2002 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.

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

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

TRAINING OF POST GRADUATE CLINICAL FELLOWS in Cerebrovascular and Skull Base Surgery:

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

Fangxaing Chen, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2011 to June 2012

Aneela Darbar, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2011 to June 2012

Hekmat Zarzour, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2012 to June 2013

Eric Marvin, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2013 to June 2014

Katie Huynh, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2014 to June 2015

Siraj Belkhair, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2016 to June 2017

Jordan Synkowski, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2017 to June 2018

Zohny Zohny, MD
Cerebrovascular and Skull Base Surgery Fellow, July 2018 to June 2019

Matthew Pierson MD
Cerebrovascular and Skull Base Surgery Fellow, July 2019 to June 2020

PROFESSIONAL SERVICE

2007-2020 Member, Governing Board, Saint Louis University School of Medicine (University Medical Group)

Committee Memberships: Saint Louis University School of Medicine/Hospital

2011-2020 Member of the Clinical Chairs Committee
2009-2020 Credentialing and Peer Review Committee
2008-2020 Saint Louis University Medical Group Executive Committee
2006-2020 SLUH Medical Executive Committee
2006-2020 Risk Management Committee
2006-2009 Patient Safety Committee: Chairman
2006 Member of Search Committee for Chair of Department of Neurology
2002 Dean's Committee for Internal Analysis and Evaluation of the Department of Neurology

2001-2011 Operating Room Committee
2001-2004 Cancer Committee
1997-1998 Yale University School of Medicine ICU Committee

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

The Society for Brain Mapping and Therapeutics (SBMT)
President, 2018-2019

Walter E. Dandy Neurosurgical Society (WEDNS)
Global President, 2011-Present

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 (2009-2011)
- 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 4the 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)

<u>INVESTIGATOR IN NATIONAL CLINICAL TRIALS/RESEARCH SUPPORT/GRANTS</u>

1. Principal Investigator at Saint Louis University School of Medicine: Carotid
2. Occlusion Surgery Study (COSS) NINDS Grant No. 5U01NS041895-05. 2007-2010.
3. Principal Investigator at Saint Louis University School of Medicine for: Minimally Invasive Surgery plus rt-PA for ICH Evacuation (MISTIE). 2007-present.
4. 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.

5. 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.
6. 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.
7. 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.
8. Investigator at Saint Louis University School of Medicine for: National Acute Brain Injury Study: Hypothermia (NABIS: H II). July 2002-2004.
9. Investigator at Saint Louis University School of Medicine for: Clinical Study of the Medtronic Durarepair Dura Regeneration Matrix. January 2004-2005.
10. 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.
11. 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.
12. 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
13. Investigator at Saint Louis University School of Medicine for: A multicenter prospective randomized study: A prospective trial of hemicraniectomy vs. nonsurgical treatment in patients with massive hemispheric infarctions: Head First. May 21, 1998-February 17, 2003
14. 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. Co-Director, George Washington University Department of Neurosurgery Hands-On Extra-Cranial to Intra-Cranial (EC-IC) Bypass Course. Washington DC. July 21-22, 2023.

2. Director of the Walter E. Dandy Society Europe Operative Techniques Symposium. Bucharest, Romania. September 23, 2014.

3. Director of the Walter E. Dandy Society Neurosurgery 101 for International Medical Students. Bucharest, Romania. September 24, 2014.

4. Director of the Walter E. Dandy Neurosurgery 101 Course for International Medical Students. Dubai United Arab Emirates. September 19-20, 2014.

5. Director of the Walter E. Dandy Society ACNS Operative Techniques Symposium. Astana, Kazakhstan. September 9, 2014.

6. Director of the Walter E. Dandy Society South America Operative Techniques Symposium. Cusco, Peru. August 15-17, 2014.
7. Director of the Walter E. Dandy Society Neurosurgery 101 Course for US Medical Students. Saint Louis, MO. August 1-2, 2014.

8. Director of the Walter E. Dandy Society Neurosurgery 101 Course for US Medical Students. Saint Louis, MO. July 19-20, 2014.

9. Director of the Walter E. Dandy Society Bulgaria Operative Techniques Symposium. Varna, Bulgaria. May 28, 2014.

10. Director of the Walter E. Dandy Society Central America Resident Course. Cayman Islands. May 03-04, 2014.

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11. Director of the Walter E. Dandy Society Senior Resident Course. Saint Louis, MO. July 11-13, 2014.

12. Chairman of the 7th World Congress on Cerebral Revascularization and the 14th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. April 10-13, 2014.

13. Director of the Walter E. Dandy Society Neurosurgery 101 Course for US Medical Students. Saint Louis, MO. March 14-15, 2014.

14. Director of the 1st Dandy Division of Skull Base Surgery Meeting: Complications and their avoidance in Skull Base surgery. Saint Louis, MO. Oct. 4-6, 2013.

15. Director of the Walter E. Dandy Society Neurosurgery 101 Course for US Medical Students. Saint Louis, MO. August 22-23, 2013.

16. Director of the Walter E. Dandy Society Romania Chapter Senior Resident Course. Bucharest, Romania. July 5-7, 2013.

17. Chairman of the 6th World Congress on Cerebral Revascularization and the 13th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. Feb 28-Mar 3, 2013.

18. Director of the Walter E. Dandy Society Senior Resident Course. Saint Louis, MO. July 26-29, 2012.

19. Chairman of the 5th World Congress on Cerebral Revascularization and the 12th Annual Hands-on Course on EC-IC Bypass Techniques. Saint Louis, MO. Jan 19-22, 2012.

20. 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.

21. 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.

22. Director of the 5th Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 12-15th, 2010.
23. 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.

24. Director of the 4th Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 13-16th, 2009.
25. 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.

26. Director of the 3rd Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 10-14th, 2008.

27. 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.

28. Director of the 2nd Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 9-12th, 2007.

29. Congress Chairman of the 7th Annual International Congress on Cerebral Revascularization. Saint Louis, MO. January 11-14, 2007.

30. Co-Director of the 1st Annual Congress of Neurological Surgeons 3-D Anatomy Course for Senior Residents. Saint Louis, MO. August 10-13th, 2006.

31. Congress Chairman of the 6th Annual International Congress on Cerebral Revascularization. Saint Louis, MO. January 12-15, 2006.

32. Director of the Operative Techniques with the Masters Symposium. St. Louis, MO. June 2-5, 2005.

33. 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.

34. Director of the 5th Annual International Meeting on Cerebral Revascularization. Saint Louis, MO. January 20-23, 2005.

35. 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.

36. 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.

37. Director of the Practical Workshop of The 15th Annual Meeting of the North American Skull Base Society. New Orleans, LA. February 11-17, 2004.
38. Director of The Fourth Annual International Meeting on Cerebral Revascularization. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. October 9-12, 2003.

39. 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.

40. 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.

41. 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.

42. 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.
43. 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.

44. 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 Trans-facial Approaches of the Skull Base. Two-day practical course. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. December 6-7, 2003. 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.

2. 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.
3. Craniofacial Surgery & Trans-facial 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.

4. 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. Keynote Speaker, The 5th World Congress for Neurosurgery Residents and Medical Students. Porto Portugal. September 25-27, 2025.

2. Keynote Speaker, The Brazilian Academy of Neurosurgery, Uberaba, Brazil May 31st-June 2nd, 2024.

3. Honored Guest/ Orator, The Society of Cerebrovascular Surgery (CVS) of India. Delhi, India. September 21-23, 2023.

4. Honored Guest, Skull Base Society of India. Lucknow, India. October 27-29, 2023.

5. Keynote Speaker, 63rd Congress of the Korean Neurosurgical Society. Seoul, South Korea. October 19-21, 2023.

6. Honored Guest, Skull Base Society of India. Lucknow, India. October 27-29, 2023.

7. Invited Speaker. “Frontiers in Management of Acute Stroke”. Congress of Neurological Surgeons (CNS) annual meeting. Washington DC, USA. Sep 9-13, 2023.

8. Keynote Speaker. The 3rd World Congress in Neurosurgery for Medical Students. Hamburg, Germany, October 31st-September 2nd, 2023.

9. Keynote Speaker. The 2nd World Congress in Neurosurgery for Medical Students. Malaga, Spain. September 22-24, 2022.

10. Keynote Speaker. 50th anniversary of Kyung Hee University Medical Center Neurosurgical Department. Seoul, South Korea. May 13-14, 2022.

11. Invited Speaker. World Federation of Neurosurgical Societies (WFNS). Bogata, Colombia. March 15-18, 2022.

12. Keynote Speaker. Dandy Society Pan Arab Neurosurgical Symposium. Beirut, Lebanon. March 3-5, 2022.

13. Keynote Speaker. Georgia Neurosurgery Congress. Tbilisi, Georgia. October 21st-23rd, 2021.

14. Invited Speaker. 46th Congress of the Romanian Neurosurgery Congress. Bucharest, Romania. October 28-31, 2021.

15. Invited Keynote Speaker. First World Congress in Neurosurgery for Medical Students, Crete, Greece. October 15-17, 2021.

16. Invited Keynote Speaker, Society for Brain Mapping and Therapeutics Congress, Los Angeles, CA. U.S.A. July 8-10, 2021.

17. Honored Guest Speaker, US-Argentina Joint Neurosurgery Conference, Buenos Aires, Argentina, May 24-25, 2019.

18. Honored Guest Speaker, Sechenov First State Medical University, Moscow, Russia April 10-12, 2019.

19. Honored Guest Speaker, Society for Brain Mapping and Therapeutics (SBMT), Los Angeles, CA March 15-17, 2019.

20. Honored Guest Speaker, Joint Neurosurgery Meeting-Ireland, Dublin, Ireland, March 5-6, 2019.

21. Keynote Speaker, Neurological Society of India (NSI) Congress, Jaipur, India December 13-15, 2018.

22. Keynote Speaker, XXXII Brazilian Congress of Neurosurgery, Porto Alegre, Brazil, Sep 5-9, 2018.

23. Honored Guest Speaker, Ist US-Cuba Neurosurgery Conference. Havana, Cuba July 17-19, 2018.
24. Honored Guest Speaker, International neurosurgical forum, Astana, Kazakhstan, July 3-5, 2018.

25. Invited Guest Speaker. The institute for Neurology for Neurosurgery for Mexico. Mexico City, Mexico. June 22, 2018.

26. Honored Guest Speaker. 6th International Conference on Neurology and Neuroscience. London, UK. June 11 – 13, 2018.

27. Key Note Speaker. Introductory to Neurosurgery for Austrian Medical Students. Graz, Austria. June 6, 2018.

28. Key Note Speaker. Frontiers in Science in the 21st Century. Zagreb, Croatia. February 23 – 24, 2018.

29. Honored Guest. The 3rd Annual meeting of the India Walter E. Dandy Neurosurgical Society Chapter. Agra, India January 4 – 7, 2018.

30. Honored Guest Speaker. The 6th Annual Austrian EC-IC Surgery Meeting. Salzburg, Austria. November 29, 2017 – December 2nd, 2017.

31. Honored Speaker. Neurosurgery 101 Course – Austria. Innsbruck, Austria. November 27, 2017.
32. Honored Speaker. Austrian Medical Student's Association. Vienna, Austria. November 23, 2017.

33. Honored Guest Speaker. Brazilian Society Meeting. Uberaba, Brazil. Oct 27, 2017 – November 05, 2017.

34. Invited Senior Speaker. The 6th Annual Meeting of the Walter E. Dandy Neurosurgical Society. St. Louis, Missouri. USA. October 2, 2017 – October 6, 2017.
35. Invited Speaker. Carol Davila University of Medicine & Pharmacy. Symposium: Operative Techniques for Micro-neurosurgery. Bucharest, Romania. June 2, 2017.

36. Invited External Board Examiner. Malaysian Neurosurgical Oral Board Examination for Certification in Neurosurgery. Kuala Lumpur, Malaysia. May 10, 2017 – May 12, 2017.

37. Invited Speaker. Romodanov Neurosurgery Institute. Mastery of Operative Techniques Course for Neurosurgeons. Kyiv, Ukraine. April 13, 2017.
38. Invited Speaker. Principles of Neurosurgery for Residents and Medical Students. Kyiv, Ukraine. April 12, 2017.

39. Invited Speaker. National Institute of Clinical Neuroscience. Operative Techniques with the Master's Symposium for Neurosurgeons & Residents. Budapest, Hungary. April 8, 2017.
40. Visiting Professor. Sao Paulo Military Area Hospital/Brazilian Army Neurosurgery Program. March 20, 2017.

41. Invited Speaker. Qatar Review Course for Neurosurgeons. March 8-9, 2017.

42. Keynote Speaker. 5th Salzburg Hands-on Workshop. Salzburg, Austria. December 1, 2016.

43. Invited Speaker. Paracelsus Medical University. Salzburg, Austria. November 28, 2016.

44. Invited Speaker. Neurosurgery 101 Course – Europe. Zagreb, Croatia. September 30, 2016.

45. Honored Guest Speaker. Annual Meeting of the India Chapter of the Walter E. Dandy Neurosurgical Society. Udaipur, India. July 13 - 16, 2016.

46. Keynote Speaker. Kolkata Neurosurgical Institute. Kolkata, India. July, 2016.
47. Honored Guest Speaker. World Federation of Skull Base Societies. Osaka, Japan. June 15-18, 2016.

48. Invited Speaker. Carol Davila University of Medicine and Pharmacy. Bucharest, Romania. June 3, 2016.

49. Honored Guest Speaker. Brazilian Academy of Neurosurgery. Rio de Janiero. March 23-25, 2016.

50. Invited Speaker. Society of Neurosurgery in Portugal. Porto, Portugal February 19, 2016.

51. Senior Invited Speaker. The Walter E. Dandy Neurosurgical Society Quadrennial Meeting. Dubai UAE. November 20-22, 2015.

52. Honored Guest. Skull Base Society of India. Bangalore, India. October 8-11, 2015.

53. Senior Invited Speaker. Egyptian Society of Neurosurgery Meeting. Alexandria, Egypt. October 1-3, 2015.

54. Keynote Speaker. Dandy Poland Chapter Meeting. Wroclaw, Poland. September 14-20, 2015.

55. The Kendig Lecture. The Frontiers of Neurosurgery. Department of NeuroScience, Mercy Health Care System. St. Louis, MO, USA. September 2, 2015.

56. Keynote Speaker. Dandy Argentina Chapter Meeting. Buenos Aires, Argentina. July 21-23, 2015.

57. Senior Invited Speaker. The XVI Congress of the Brazilian Academy of Neurosurgery. Atibia, Brazil. June 1-4, 2015.

58. Senior Invited Speaker. Annual Meeting of the Romania Neurosurgical Society. Bucharest, Romania. May 18-21, 2015.

59. Invited Keynote Speaker. Dandy China Chapter Meeting. Shanghi, China. May 1-3, 2015.

60. Senior Invited Speaker. Malaysia Neurosurgical Meeting. Alor Star, Malaysia. April 3-4, 2015.

61. Senior Invited Speaker. Second Annual India Dandy Meeting. Trivandrum, India. March 30-31, 2015.

62. Senior Invited Speaker. Egyptian Society of Neurological Surgeons (ESNS) Meeting. Hurgada, Egypt. March 25-27, 2015.

63. Senior Invited Speaker. 9th Saudi Association of Neurological Surgeons Conference. Dammam, Saudi Arabia. March 3-5, 2015.

64. Senior Invited Speaker. 6th Annual Asian Congress of Neurological Surgeons. Chitwan, Nepal. February 10-12, 2015.

65. Senior Invited Speaker. 12th Asian Oceanic Skull Base Conference. Mumbai, India. January 7-9, 2015.

66. Senior Invited Speaker. Second Annual Dandy Meeting. University of Kasr Al Ainy. Department of Neurosurgery. Cairo, Egypt. December 11-12, 2014.

67. Senior Invited Speaker. Skull Base Anatomy Principles for Cerebrovascular Surgery. Microvascular Hands-On Workshop. Hellenic Neurosurgical Society. Athens, Greece. November 22, 2014.

68. Senior Invited Speaker. Technical Nuances in EC-IC Bypass Surgery. Microvascular Hands-On Workshop. Hellenic Neurosurgical Society. Athens, Greece. November 22, 2014.

69. Senior Invited Speaker. Technical Nuances in Aneurysm Surgery. Microvascular Hands-On Workshop. Hellenic Neurosurgical Society. Athens, Greece. November 20, 2014.

70. Senior Invited Speaker. 3rd Congress of Neurosurgery in the Danube-Carpathian Region "Controversies in Neurosurgery. Southeast European Neurosurgical Society. Varna, Bulgaria. May 29-31, 2014.

71. Visiting Professor. Stanford University Department of Neurosurgery. Palo Alto, California, USA. May 23, 2014.

72. Senior Invited Speaker. New Frontiers in Microneurosurgery. Continental Association of African Neurosurgical Societies 1st Congress Meeting. Algiers, Algeria. May 9-12, 2014.

73. Senior Speaker. Dandy Central America Operative Techniques Symposium. Cayman Islands. May 2-3, 2014.

74. Senior Speaker. 7th World Congress on Cerebral Revascularization and the 14th Annual Hands-on Course on EC-IC Bypass Techniques. St. Louis, Missouri, USA. April 10-13, 2014.

75. Honored Guest. New Frontiers in Skull Base Surgery. 37th annual meeting of Egyptian Society of Neurological Surgeons. Cairo, Egypt. March 7, 2014.

76. Honored Guest. New Frontiers in the Treatment of Aneurysms. 37th annual meeting of Egyptian Society of Neurological Surgeons. Cairo, Egypt. March 8, 2014.
77. Invited Guest Faculty. VIII Microsurgical Course for Vascular Neurosurgery. Madrid, Spain. December 11-15, 2013.

78. Invited Guest Faculty. Annual Conference of Kasr Al Ainy Neurosurgery Department. Ksr Al Ainy, Egypt. December 3-5, 2013.

79. Invited Speaker. Spinal Vascular Malformations: How to Understand Them and Treat Them. 4th Congress of Gulf Neurosurgical Society & 1st Qatar Neurosurgery & Spine Society Conference. Doha, Qatar. November 28-30, 2013.

80. Invited Speaker. Innovations in Cerebrovascular Surgery. 4th Congress of Gulf Neurosurgical Society & 1st Qatar Neurosurgery & Spine Society Conference. Doha, Qatar. November 28-30, 2013.

81. Invited Speaker to lecture to the Neurosurgery Residents of Romania (2 full days of talks of the Principles of Neurosurgery). Bucharest, Romania. July 5-7, 2013.

82. Keynote Speaker. How I Do It: EC-IC Bypass. The Walter E. Dandy Neurosurgical Society's 2nd Annual Meeting. Milan, Italy. June 27-29, 2013.

83. Invited Speaker. Cerebral Reperfusion. 29 Congresso Nacional of the Portuguese Neurosurgical Society. Coimbra, Portugal. May 21-26, 2013.

84. Invited Speaker. Complex Aneurysms. 29 Congresso Nacional of the Portuguese Neurosurgical Society. Coimbra, Portugal. May 21-26, 2013.

85. Invited Speaker. Advances in Skull Base Surgery. 7th SANS Meeting. Jeddah, Saudi Arabia. April 2-4, 2013.

86. Invited Speaker. Technical Nuances in the Treatment of Cerebral Aneurysms. Meeting of the Egyptian Society of Neurological Surgeons. Cairo, Egypt. March 27-29, 2013.

87. Invited Speaker. Principles in Skull Base Tumors Surgery (Tips and Tricks in Tumor Surgery). 5th International Congress of Emirates Neuroscience Society. Dubai, UAE. November 4-6, 2012.

88. Invited Speaker. Principles in AVM Surgery. 5th International Congress of Emirates Neuroscience Society. Dubai, UAE. November 4-6, 2012.

89. Invited Speaker. The Dandy Society and Global Education. 5th International Congress of Emirates Neuroscience Society. Dubai, UAE. November 4-6, 2012.
90. Invited Speaker. Technical Advances for the Resection of Skull Base Tumors. 11th Asian-Oceania Skull Base Society Conference. Beijing, China. October 26-28, 2012.

91. Keynote Speaker. Brain Vascular Malformations. 11th Annual Meeting of the Chinese Neurosurgical Society Joint meeting of the Chinese Neurosurgical Society & Dandy Neurosurgical Society. Hangzhou, China. October 11-14, 2012.

92. Keynote Speaker. Current Treatment of Giant Aneurysms. Walter E. Dandy Neurosurgical Society First Annual Meeting. Shanghai, China. October 11-12, 2012.
93. Keynote Speaker. Supra-Sellar Tumors: Landmarks & Surgical Trajectories. 8th Congress of the Romanian Society of Neurosurgery. Bucharest, Romania.

September 26-29, 2012.

94. Keynote Speaker. Thalamic and Brain Stem Vascular Malformations: Technical Nuances. 8th Congress of the Romanian Society of Neurosurgery. Bucharest, Romania. September 26-29, 2012.

95. Keynote Speaker. Giant Aneurysms, Continuing Evolution of Treatment. 8th Congress of the Romanian Society of Neurosurgery. Bucharest, Romania. September 26-29, 2012.

96. Invited Speaker. Cerebral Bypass Surgery: Current Status and Future Directions. Joint Meeting of the 12th Annual Conference of Indian Society of Cerebrovascular Surgery & Cerebrovascular Section of CNS & AANS, USA. Mumbai, India. September 21, 2012.

97. Invited Speaker. The Bull Fighter and the Neurosurgeon. Joint Meeting of the 12th Annual Conference of Indian Society of Cerebrovascular Surgery & Cerebrovascular Section of CNS & AANS, USA. Mumbai, India. September 21, 2012.

98. Invited Speaker. Use of fluorescein and micro-Doppler in aneurysm surgery. XXIX Congress of the Brazilian Society of Neurosurgery. Rio de Janeiro, Brazil. September 7, 2012.

99. Invited Speaker. Evolving Microsurgical Techniques for Arteriovenous Malformations (AVMs). XXIX Congress of the Brazilian Society of Neurosurgery. Rio de Janeiro, Brazil. September 7, 2012.

100. Invited Speaker. Temporary Clipping. XXIX Congress of the Brazilian Society of Neurosurgery. Rio de Janeiro, Brazil. September 7, 2012.

101. Invited Speaker. Moya Moya- treatment strategies. XXIX Congress of the Brazilian Society of Neurosurgery. Rio de Janeiro, Brazil. September 7, 2012.

102. Invited Speaker. Paradigms for Surgical Trajectories in Suprasellar Tumors. XXIX Congress of the Brazilian Society of Neurosurgery. Rio de Janeiro, Brazil. September 7, 2012.

103. Invited Speaker. Advances in bypass techniques for the treatment of complex aneurysms. 7th Central European Neurosurgical Society Meeting. Prague, Czech Republic. June 10-15, 2012.

104. Invited Speaker. Preservation of Cerebral Blood Flow in Skull Base Surgery: is EC-IC bypass surgery required and effective? 6th International Congress of the World Federation of Skull Base Societies and 10 European Skull Base Society Congress. Brighton, United Kingdom. May 16-19, 2012.

105. Honored Guest and Invited Speaker. Pre-Course workshop: How I do it. XVII Congreso Nacional de la Sociedad Espanola de Neurocirugia. Las Palmas Gran Canana, Spain. May 9-12, 2012.

106. Honored Guest and Invited Speaker. Cientific Conference: Technical Challenges in Skull Base Surgery. XVII Congreso Nacional de la Sociedad Espanola de Neurocirugia. Las Palmas Gran Canana, Spain. May 9-12, 2012.

107. Honored Guest and Invited Speaker. Oficial Conferece: Oncology (How I do it). XVII Congreso Nacional de la Sociedad Espanola de Neurocirugia. Las Palmas Gran Canana, Spain. May 9-12, 2012.

108. Invited Speaker. 10th Conference of the SEBC. Internal Maxillary Artery to Middle Cerebral Artery Bypass: a Novel Technique for High-Flow Extra-Cranial to Intra-Cranial Bypass. Madrid, Spain. April 19-22, 2012.

109. Invited Speaker. 10th Conference of the SEBC. Vascular pathology of the Skull Base. Madrid, Spain. April 19-22, 2012.

110. Invited Speaker. 10th Conference of the SEBC. Posterior Fossa and Petroclival Meningiomas. Madrid, Spain. April 19-22, 2012.

111. Invited Speaker. The bull fighter and the neurosurgeon. Society of University Neurosurgeons Annual Meeting 2012. Atlanta, Georgia. March 18-24, 2012.

112. Invited International Speaker. Advances in Neurovascular Surgery. The 5th Annual American-Kuwait Neurosurgical Conference. In collaboration with the American Association of Neurological Surgeons. Kuwait City, Kuwait. December 5, 2011.

113. Invited Keynote Speaker. Advances in Cerebral Bypass Surgery. The 13th Asian Australasian Congress of Neurological Surgeons. Taipei, Taiwan. December 1-4, 2011.

114. Invited International Speaker. Advances in Skull Base Approaches. The World Federation of Neurosurgical Societies Symposium on Skull Base Surgery. Grenada, Spain. November 24-25, 2011.

115. Invited Keynote Speaker: Live Transmission of a Neurosurgical Operation from Saint Louis University Hospital to the Plenary Session in Rome. 14th European Congress of Neurosurgery. Rome, Italy. October 9-14th, 2011.

116. Invited Keynote Speaker. Operative Techniques with the Masters Plenary Session. The XIV Interim Meeting of the World Federation of Neurosurgical Societies. Recife, Brazil. September 14-17, 2011.

117. Invited Keynote Speaker. Advances in Skull Base Approaches. The Tiantan Skull Base Surgery Symposium. Beijing, China. August 5th, 2011.

118. Invited Speaker. Evolving Techniques for High-Flow Intracranial Bypass. Society of University Neurosurgeons Annual Meeting. Istanbul, Turkey. June 25, 2011.

119. Invited Keynote Speaker: Live Transmission of a Neurosurgical Operation from Saint Louis University Hospital to the Plenary Session in Madrid. Spanish Society of Neurosurgery Annual Meeting. Madrid, Spain. May 25-27, 2011.

120. 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.

121. Invited Moderator. GSS: Vascular Bypass. 21st Annual Meeting of the North American Skull Base Society (NASBS). Phoenix, AZ. Feb. 18, 2011.

122. Invited Moderator. Proferred Paper Sessions. 21st Annual Meeting of the North American Skull Base Society (NASBS). Phoenix, AZ. Feb. 19, 2011.

123. 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.

124. Invited International Speaker. Advances in Skull Base Surgery. The 4th Annual American-Kuwait Neurosurgical Conference. In collaboration with the American Association of Neurological Surgeons. Kuwait City, Kuwait. Dec. 5-7, 2010.

125. 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.

126. 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.

127. 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.

128. Course Co-Director. Microneurosurgery with Professor Yasargil. CNS Annual Meeting. San Francisco, CA. Oct. 16, 2010.

129. Invited International Speaker. The Transcondylar Approach. WFNS International

Symposium. Malaga, Spain. Sept. 29-Oct. 2, 2010.

130. 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.

131. Invited International Speaker. Current Management of Giant Intracranial Aneurysms. Brazilian Society of Neurosurgery Annual Meeting. Salvador, Brazil. Sept. 12-16, 2010.

132. Invited Speaker. Unstable Neurosurgical Patient: Case Scenarios. SNS Boot Camp PG1 Course. Chicago, IL. July 23-24, 2010.

133. Invited Course Moderator. Operative Techniques for Cerebral Aneurysms with the Masters. Cerebrovascular Complications Conference. Jackson Hole, WY. July 12-14, 2010.

134. Invited Keynote Speaker. Microsurgical Treatment of Giant Aneurysms. Michigan Association of Neurological Surgeons Annual Meeting. Traverse City, MI. June 13, 2010.

135. Visiting Professor. Henry Ford Hospital. Detroit, MI. May 13-14, 2010.

136. Invited Speaker. M. Gazi Yasargil Fiber Dissection Course. St. Louis, MO. May 6-8, 2010.

137. Invited Panelist. Using Stereoscopic 3D Video Recording in Neurosurgery Practice and Education. AANS Annual Meeting. Philadelphia, PA. May 1-5, 2010.

138. 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.

139. 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.
140. Invited General Scientific Session Speaker. Microsurgical Treatment of Giant Aneurysms. CV Section 2010 Annual Meeting. San Antonio, TX. Feb. 22, 2010.

141. Invited Moderator. Scientific Symposium: Debate the Experts. CV Section 2010 Annual Meeting. San Antonio, TX. Feb. 22, 2010.

142. Invited International Speaker. The 3rd Annual American-Kuwait Neurosurgical Conference. In collaboration with the AANS. Kuwait City, Kuwait. Dec. 5-8, 2009.

143. 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.

144. Invited Presenter. Digital Masters Video Symposium. CNS Annual Meeting. New Orleans, LA. Oct. 29, 2009.

145. 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.

146. Invited Faculty. Open Aneurysm Surgery: A 3-D Practical Course. CNS Annual Meeting. New Orleans, LA. Oct. 25, 2009.

147. 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.

148. 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.

149. 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.

150. Invited Panelist. Extracranial to Intracranial Bypass for Giant Aneurysms. NYC Neurosymposium 2009, Roosevelt Hospital. New York, NY. August 28, 2009.

151. Invited Moderator. 3-D Live Interactive Operative Techniques with the Masters Session. Cerebrovascular Complications Conference. Jackson Hole, WY. July 10, 2009.

152. Invited International Speaker. Re-do Surgery Following Previous Microsurgery or Radiosurgery. Society of University Neurosurgeons Annual Meeting. Naples, Italy. June 12, 2009.

153. Invited Speaker. General Scientific Session. Review of Carotid Bypass as a Treatment for Symptomatic Disease. International Stroke Conference. San Diego, CA. Feb. 18, 2009.

154. Invited Speaker. EC-IC Bypass Surgery for Complex Aneurysms. The 3rd Cerebral Blood Flow Conference. Stanford University, San Francisco, CA. Feb. 15, 2009.

155. Invited International Speaker. Operative Management of Giant Aneurysms. The

2nd Annual American-Kuwait Neurosurgical Conference. Kuwait City, Kuwait. Nov. 1518, 2008.

156. 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.

157. Invited Moderator. CNS Neurosurgical Forum- Section on Cerebrovascular Surgery. Annual Meeting of the Congress of Neurological Surgery. Orlando, FL. Sept. 22, 2008.

158. 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.

159. 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.

160. Invited Moderator. 3-D Live Interactive Session of Microsurgical Cases. Cerebrovascular Complications Conference. Jackson Hole, WY. July 11, 2008.

161. 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.

162. Invited International Speaker. Giant Aneurysms: Indications and Results of EC-IC Bypass Surgery. Live Interventional Neuroradiology Neurosurgery Course. Paris, France. June 19, 2008.

163. 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.

164. Visiting Professor. Management of Giant Cerebral Aneurysms. Department of Neurosurgery Grand Rounds, University of Virginia. Charlottesville, VA. March 20-22, 2008.

165. Invited Speaker. Plenary session. Rescue Strategies During EC-IC Bypass Surgery. AANS/CNS Cerebrovascular Section Meeting. New Orleans, LA. February 19th, 2008.

166. Invited Speaker. Cerebral Aneurysms: Evolving Treatment Paradigms. Department of Neurosurgery Grand Rounds, Baylor College of Medicine. Houston, TX. February 13th, 2008.

167. Invited International Speaker. Skull Base Approaches for Complex Intracranial Aneurysms. US Masters in Neurological Surgery. Dubai, UAE. November 9-11, 2007.

168. 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, 2007.

169. 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.

170. 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.

171. 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.

172. 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.

173. 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.

174. Invited Visiting Professor. Extracranial to Intracranial Bypass for Giant Aneurysms. University Medical Center Utrecht. Host: Professor Tulleken. Utrecht, Netherlands. July 5-6, 2007.

175. Invited International Moderator. Live Interventional Neuroradiology and Neurosurgery Course. Host: Professor Jacques Moret. Paris, France. July 2-4, 2007.

176. 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.

177. Invited Speaker. Middle Cranial Fossa Approach. The 18th Annual Meeting of the North American Skull Base Society. Chicago, IL. May 24-27, 2007.

178. 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.

179. Invited Speaker. Intracranial Bypass Techniques. Cerebral Aneurysm Microsurgery Course. St. Louis, MO. March 5-9, 2007.

180. Invited Moderator. Cerebrovascular Occlusive Disease. Plenary Session. International Stroke Conference 2007: American Heart Association/ American Stroke Association. San Francisco, CA. February 7-9, 2007.

181. Visiting Professor. Current Treatment of Giant Aneurysms. Medical College of Wisconsin. Milwaukee, WI. November 17, 2006.

182. Invited International Speaker. Management of Giant Aneurysms. Asian Oceanic Skull Base Society Meeting. Dubai, United Arab Emirates. November 2006.

183. Invited Speaker. Skull Base Approaches. Comprehensive Brain Anatomy and Neurological Assessment Course. Saint Louis, MO. November 2006.

184. 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.

185. Invited Faculty. Cerebral Revascularization Surgery: A Hands-On Course. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October 2006.

186. 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.

187. Course Director. Skull Base Approaches for Cerebral Aneurysms. The 56th Annual Meeting of the Congress of Neurological Surgeons. Chicago, IL. October 2006.

188. Invited International Lecturer**.** Intracranial Bypass Techniques. Olivecrona Symposium, Karolinska University Hospital. Stockholm, Sweden. Sept. 8-9, 2006.

189. Invited Speaker. North American Skull Base Society Course for Senior Residents. Memphis, TN. August 24-25, 2006.

190. 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.

191. Invited Speaker. Oral Board Preparation Course. American Association of Neurological Surgeons. Houston, TX. May 6-7, 2006.

192. 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.

193. Invited Faculty. Hands-on Skull Base Course. 17th Annual Meeting of the North American Skull Base Society. Phoenix, AZ. February 16th, 2006.

194. Invited Panelist. Surgical and Endovascular Revascularization Symposium. Ninth Joint Annual Meeting of the AANS/CNS Cerebrovascular Section and the American Society of Interventional and Therapeutic Neuroradiology. Orlando, FL. February 20th, 2006.

195. Invited International Speaker. Skull Base Surgery International Symposium. Riyadh, Saudi Arabia. January 28-30th, 2006.

196. Invited Speaker. Comprehensive Brain Anatomy and Neurological Assessment Course. Saint Louis, MO. November 11-13, 2005.

197. Invited Speaker. Digital Masters Video Symposium. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 13, 2005.

198. Invited Panelist. Cerebral Revascularization in Symptomatic Patients: Current and Future Treatments. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 10, 2005.

199. Course Director. Skull Base Approaches for Cerebral Aneurysms. The 55th Annual Meeting of the Congress of Neurological Surgeons. Boston, MA. October 9, 2005.

200. 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.

201. Invited Senior Faculty. Microsurgery of Aneurysms: Recent Advances**.** Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. February 28-March 4, 2005.

202. 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.

203. Invited Speaker. Intracranial Aneurysms: Coil or Clip? Session. The 54th Annual Meeting of the Congress of Neurological Surgeons. San Francisco, CA. October 1621, 2004.

204. 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.

205. Invited Lecturer. Current Management of Low-Grade Gliomas. Seminar Panelist. American Association of Neurological Surgeons**.** Orlando, FL. May 4, 2004.

206. Invited Lecturer. Surgical Approaches to the Skull Base. Practical Anatomy Workshop. Saint Louis University, St. Louis, MO. April 28-30, 2004.

207. 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 17, 2004.

208. Invited Course Faculty. Microsurgery of Aneurysms: Recent Advances. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. March 1-5, 2004.

209. 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.

210. 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.

211. 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.

212. 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.

213. Grand Rounds. Skull Base Surgery: Concepts and Techniques. Otolaryngology – Head & Neck Surgery, Saint Louis University School of Medicine. St. Louis, MO. March 19, 2003.

214. 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.

215. 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.

216. 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.

217. Invited Senior Faculty**.** Surgical Approaches to the Skull Base Course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. April 4-6, 2002.

218. 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.

219. 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.

220. Invited course faculty. Microvascular Reconstruction. Congress of Neurological Surgeons. San Diego, CA. September 30, 2001.

221. Invited Senior Faculty. Comprehensive Brain Anatomy and Neurological Assessment. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. October 5-7, 2001.

222. 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 19, 2001.

223. 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.

224. Invited Faculty. Surgical Approaches to the Skull Base Course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. April 19-21, 2001.

225. Invited Faculty to demonstrate skull base approaches in Neurological Anatomy & Operative Approaches course. Practical Anatomy Workshop. Saint Louis University. St. Louis, MO. September 8-10, 2000.

226. Trauma Grand Rounds. Current Management of Closed Head Injury. Department of Surgery. University of Arkansas for Medical Sciences. Little Rock, AR.

September 1999.

227. Grand Rounds. Cerebrovascular Malformation: Perspectives on Pathogenesis and Natural History. Invited International speaker**.** Department of Surgery. National Guard Hospital. Riyadh, Saudi Arabia. July 25, 1999.

228. Grand Rounds. Dural Arteriovenous Malformations: Current Management Strategies. Department of Neurological Surgery. University of Arkansas for Medical Sciences. Little Rock, AR. June 7, 1999.

229. Invited Faculty, Luncheon Seminar. Dural and Spinal Arteriovenous Malformations. Congress of Neurological Surgeons. Seattle, WA. October 1998.
230. Grand Rounds. Phenotype and Genotype of Vascular Malformations. Department of Neurological Surgery. University of Arkansas. Little Rock, AR. January 5, 1998.

231. Invited International speaker**.** Grand Rounds. Paradigms for the Management of Intracerebral Hemorrhage. Department of Neurosciences. King Faisal Specialist Hospital. Riyadh, Saudi Arabia. November 24, 1997.

232. Cerebrovascular Conference Grand Rounds. Hemorrhagic Stroke: Current Management Strategies. Yale University School of Medicine. New Haven, CT. October 1997.

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Washington University Department of Neurosurgery. Presented at the **Congress of Neurological Surgeons (CNS)** annual meeting, Houston, Texas, September 28- October 2nd, 2024.

25. Aadit Mehta, Peter Harris, Anita Vincent, Marshal Lawler, Jevaughn, Yana Al-Inaya, Arhum Naem, Omar Barbandi, Zahra Ahmed, Merey Merbok, Marcella Motta, Viviana Cortiana, Saleem Abdulrauf. Novel Application of Tumescent Regional Anesthesia for Awake Craniotomies. A Case Series. George Washington University Department of Neurosurgery. Presented at the **Congress of Neurological Surgeons (CNS**) annual meeting, Houston, Texas, September 28- October 2nd, 2024.

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