

CURRICULUM VITAE
Mustafa K. Başkaya, MD

Personal Data

Born: August 13, 1964

Birthplace: Aydin, Turkey

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Academic Appointments

May 2020 – present Endowed Professor of Robert J. Dempsey

Mar. 2017 – present Professor (Tenure), Department of Neurological Surgery, University of Wisconsin, Madison, Wisconsin, USA

2018 Fellowship Director of Cerebrovascular & Skull Base Surgery

2012 Nov.– 2017 Mar. 2017 Associate Professor of Neurosurgery (Tenure), Department of Neurological Surgery, University of Wisconsin, Madison, Wisconsin, USA

2006 Jan.– 2012 Nov. Assistant Professor of Neurosurgery (Tenure Track), Department of Neurological Surgery, University of Wisconsin, Madison, Wisconsin, USA

2008 Jan. – present Director, Skull Base Surgery Program, Department of Neurological Surgery, University of Wisconsin, Madison, Wisconsin, USA

Professional Appointments

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| 2006 Jan. – present | Attending Neurosurgeon, University of Wisconsin Hospitals and Clinics, Madison, Wisconsin |
| 2006 Jan. – present | Consultant Neurosurgeon, Meriter Hospital, Madison, Wisconsin |
| 2006 Jan. – present | Consultant Neurosurgeon, William H. Middleton VA Hospital, Madison, Wisconsin |

Education and Postgraduate Training

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|-----------------|---|
| 2005 July- Dec. | Fellow in Neurosurgery, Department of Neurological Surgery, University of Miami, Miami, Florida, USA |
| 2004-2005 | Chief Resident in Neurosurgery, Department of Neurological Surgery, University of Miami, Miami, Florida, USA |
| 2001-2005 | Resident in Neurosurgery, Department of Neurological Surgery, University of Miami, Miami, Florida, USA |
| 2000-2001 | Clinical Fellow in Cerebrovascular & Skull Base Surgery Department of Neurological Surgery, University of Miami, Miami, Florida, USA |
| 1997- 2000 | Clinical Fellow in Cerebrovascular & Skull Base Surgery Department of Neurosurgery, Louisiana State University, Shreveport, Louisiana, USA |
| 1995-1997 | Research Associate, Department of Neurological Surgery, University of Wisconsin, Madison, Wisconsin, USA |
| 1994-1995 | Postdoctoral Fellow, Division of Neurosurgery, Department of Surgery, University of Kentucky, Kentucky, USA |
| 1993-1994 | Cerebrovascular Fellow, Department of Neurosurgery, Nagoya University School of Medicine, Nagoya, Japan |
| 1992-1994 | Chief Resident, Department of Neurosurgery, Ankara University Faculty of Medicine, Ankara, Turkey |

1987-1992 Resident, Department of Neurosurgery, Ankara University
Faculty of Medicine, Ankara, Turkey

1981-1987 Faculty of Medicine, Ankara University, Ankara, Turkey

Licensure and Certification

1987 Diploma of Medicine, Ministry of Health, Republic of
Turkey

1994 Certification of Specialization in Neurosurgery, Ministry of
Health, Republic of Turkey

1997 United States Medical Licence Examination (USMLE),
ECFMG Certificate (# 0-551-943-4)

2000 Certification of Subspecialization Training in
Cerebrovascular and Skull Base Surgery, Louisiana State
University Medical Center

2001 Certification of Subspecialization Training in
Cerebrovascular and Skull Base Surgery, University of
Miami/Jackson Memorial Hospital

2005 Wisconsin State Medical License

2006 Florida State Medical License

2012 Certified, Diplomate of American Board of Neurological
Surgery

Honors and Awards

1993 Professor Kenichiro Sugita Scholarship

1994 University of Kentucky Post-doctoral Scholarship

1999 Physician's Recognition Award by American Medical
Association

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| 2002 | Young Promising Neurosurgeon Award (Prof. H.Z. Gokalp Award) by Turkish Neurosurgical Society |
| 2004 | Best Resident Presentation Award in 4 th Rosomof Research Day, University of Miami |
| 2007 | Resident Teaching Award, Department of Neurological Surgery, University of Wisconsin |
| 2011 | Honorary Member of Turkish Society of Anatomy & Clinical Anatomy |
| 2014 | Vitals Compassionate Doctor Award |
| 2015 | Alpha Omega Alpha Honor Medical Society |
| 2016 | Patients's Choice Award "One of the Best Wisconsin's Favorite Physicians by Vitals |
| 2018 | Provider Champion Award (UW Patient & Family Experience in achieving highest level of communication, compassion and engagement). |
| 2019 | Resident Teaching Award, Department of Neurological Surgery, University of Wisconsin |

Research Grants

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| Co-investigator | <i>"Phosphatidylcholine Regulation in Stroke"</i> NIH/NINDS RO1 Grant (competing renewal, funded, 2007-2012, PI: Dr. RM Adibhatla) |
| Consultant | <i>"The Role of Prefrontal Cortex in Emotion Regulation"</i> Principal Investigator: Michael Koenig, NIH R01 (granted) |
| Co-investigator | <i>"Regulation of stromal derived factor-1 mediated angiogenesis in ischemic brain."</i> (NIH National Institute of Neurological Disorders & Stroke (Hypertension and Microcirculation Study Section) RO3 grant, funded, PI: Uma Wesley, PhD) |

Clinical Research and Trials

Principal Investigator *Randomized, double-blind, placebo controlled, multicenter, parallel groups confirmatory efficacy and safety trial of activated recombinant factor VII (NovoSeven/Niastase) in acute intracerebral hemorrhage (F7ICH-1641)*

National and International Leadership and Service

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|----------------|--|
| 2010 - 2016 | World Federation of Neurosurgical Societies Skull Base Committee |
| 2012 - present | AANS/CNS Joint section of Cerebrovascular Surgery Executive Committee |
| 2012 - present | AANS/CNS Joint section of Cerebrovascular Surgery, Chair/ Cerebrovascular Research Award |
| 2013 - 2015 | Congress of Neurological Surgeons Executive Committee |
| 2014 - 2015 | Chair, International Division, Congress of Neurological Surgeons |
| 2015 - 2017 | Member, Education Division, Congress of Neurological Surgeons |
| 2015 - 2016 | Member, 2016 North American Skull Base Society Annual Meeting Planning Committee |
| 2015 - 2017 | Member, International Division, Congress of Neurological Surgeons |
| 2015 - 2016 | Member, Congress of Neurological Surgeons Annual Meeting Planning Committee |
| 2015 - present | World Federation of Neurosurgical Societies Cerebrovascular Surgery Committee |
| 2017 | Co-chair (Neurosurgery) of Scientific Program, North American Skull Base Society 2017 Annual Meeting |

2021 Nominating Committee, World Federation of Neurosurgical Societies,

Memberships

1987- present Turkish Association of Medical Doctors

1994-1997 Society for Neuroscience

1996-2000 The International Society of Cerebral Blood Flow and Metabolism

2000- present Turkish Neurosurgical Society

2001- present American Association of Neurological Surgeons

2001- present North American Skull Base Society

2003- present Congress of Neurological Surgeons

2010- present World Federation of Neurosurgical Societies

2014- present The Society of University Neurosurgeons

2016 - present Society of Neurological Surgeons

2016 - present American Academy of Neurological Surgeons

2018 - present European Association of Neurosurgical Societies

2018 - present Executive Committee Member of International Conference on Cerebrovascular Surgery

Editorial Responsibilities

1998 - 1999 Ad Hoc reviewer, Neurosurgical Focus

2000 - present Editorial Board Member of *Annals of Neurosurgery (Electronic Journal, www.annals-neurosurgery.org)*

2002 – 2014 Associate Editor of *Neuroanatomy (www.neuroanatomy.org)*

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| 2009 – present | Editorial Board Member of Anatomy (International Journal of Experimental & Clinical Anatomy) |
| 2010 – present | Editorial Board Member of ISNR Neurology |
| 2007 - present | Ad Hoc reviewer, Neuroscience Letters |
| 2007 | Ad Hoc reviewer, Journal of Case Reports |
| 2009 | Ad Hoc reviewer, Clinical Medicine and Research |
| 2009 | Ad Hoc reviewer, Clinical Neurology and Neurosurgery |
| 2009- present | Ad Hoc reviewer, Clinical Anatomy |
| 2010- | Ad Hoc reviewer, Surgical Neurology International |
| 2009- present | Ad Hoc reviewer, Neurocritical Care |
| 2010- 2015 | Ad Hoc reviewer, Journal of Cerebral Blood Flow & Metabolism |
| 2010 | Ad Hoc reviewer, Anatomy Research International |
| 2011- present | Ad Hoc reviewer, Neurosurgery |
| 2011 | Ad Hoc reviewer, Life Sciences |
| 2011- present | Advisory Board Member, Journal of Experimental & Clinical Medicine |
| 2011- present | Ad Hoc reviewer, Central European Neurosurgery |
| 2011- present | Editorial Board Member, Surgical Neurology International |
| 2012 - present | Ad Hoc reviewer, Journal of Neurology, Neurosurgery & Psychiatry |
| 2012- present | Editorial Board member, Turkish Neurosurgery |
| 2013- present | Ad Hoc reviewer, Anatomical Science International |
| 2013- present | Editorial Board member, Contemporary Neurosurgery |
| 2013 | Ad Hoc reviewer, BMC Surgery |

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| 2014 | Ad Hoc reviewer, Neurosurgical Review |
| 2016 – present | Associate Section Editor of Skull Base, Operative Neurosurgery |
| 2017 - | Guest Editor, Neurosurgical Focus, Surgical Videos for Skull Base Meningiomas. |
| 2017 - | Editorial Board Member, Skull Base: Operative Videos |
| 2020 - | Guest Topic Editor (Lead) , Neurosurgical Focus, Surgical Videos for Posterior Fossa AVMs. |

Service Activities & Committee Appointments

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| 2014- present | Faculty mentoring committee, Dr. Azam S. Ahmed, Dept. of Neurological Surgery |
| 2016- present | Chair of faculty mentoring committee, Dr. Wendell Lake, Dept. of Neurological Surgery |
| 2020 - present | Member, Tenure Track Professor Promotion Committee, University of Wisconsin Medical School |

Abstract Grading for International Meetings

Abstracts on subarachnoid hemorrhage and management. International Stroke Conference February 18-20, 2009. San Diego, California.

Abstracts on cerebrovascular sessions. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

Abstracts on subarachnoid hemorrhage and management. International Stroke Conference February 24-26, 2010. San Antonio, Texas.

Abstracts on subarachnoid hemorrhage and management. International Stroke Conference February 9-11, 2011. Los Angeles, California.

Abstracts on cerebrovascular and skull base surgery. European Association of Neurological Surgeons 2015 Annual Meeting.

Abstracts for 2016 Annual Meeting of North American Skull Base Society

Abstracts for 2017 Annual Meeting of North American Skull Base Society

National and International Education & Teaching

Invited Faculty, *Standard Approach, Orbitozygomatic and Posterior Petrosectomy Approaches*, Pre-meeting Courses, 17th Annual Meeting of North American Skull Base Society, Phoenix, AZ, February 16, 2006

Director, Microsurgical Approaches Annual Resident Training Course in the Skull Base and Neuroanatomy, University of Wisconsin, Madison, WI, January 2006-July 2006

Director, Correlative Neuroanatomy and Neuroscience, Antero-lateral Skull Base Resident Training Course, University of Wisconsin, Madison, WI, January 2007-July 2007

Visiting Professor, University of Ankara, Medical Faculty, Department of Neurosurgery, January 6-10, 2007

Guest Speaker, 21st Turkish Neurosurgical Society Scientific Congress Antalya, Turkey, April 20-24, 2007

Director, Posterior Skull Base and Cerebral Angiography, Resident Training Course, University of Wisconsin, Madison, WI, July 2007-October, 2007

Director, Lateral Skull Base and Cranial Nerves, Resident Training Course, University of Wisconsin, Madison, WI, November, 2007-February, 2008

Invited Faculty and Speaker, *Post-auricular Transtemporal Approaches-Neurosurgical Perspective*, Pre-meeting Hands-on Cadaveric Dissection Course, 19th Annual Meeting of North American Skull Base Society, Vancouver, Canada, September 10th, 2008

Instructor, Skull Base Approaches, Pre-meeting Course, 19th Annual Meeting of North American Skull Base Society, Vancouver, Canada, September 10th, 2008

Director, Intracranial Aneurysms: Microsurgical Anatomy and Treatment. Resident Training Course, University of Wisconsin, Madison, WI, February 2008-January 2009.

Director, The First Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison and Medical College of Wisconsin, Milwaukee. Madison, Wisconsin February 7, 2009.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Neuroscience Interest Group of Medical Students of University of Wisconsin Medical School. March 10, 2009, Madison, Wisconsin.

Director, Microsurgical and Functional Anatomy of the Brain Stem and Spinal Cord. Resident Training Course, University of Wisconsin, Madison, WI. February 2009-July 2009.

Moderator, Oral Papers in Cerebrovascular Session on August 31, 2009. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

Invited Faculty and Panelist, Breakfast Sessions. Diagnosis and Management of Vascular Lesions in the Severe Trauma Patient: Dissections, Pseudoaneurysms and Vasospasm. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

Invited Faculty and Speaker, *Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions.* Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 24-25, 2009.

Invited Faculty and Speaker, *Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective,* Pre-meeting Hands-on Cadaveric Dissection Course, 20th Annual Meeting of North American Skull Base Society, New Orleans, October 15th, 2009

Director, The Second Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin. April 10, 2010.

Director, Microsurgical Anatomy of the Middle Cranial Base and Temporal Bone, Postero-lateral Skull Base Approaches and Treatment of Cerebral AVMs. Resident Training Course, University of Wisconsin, Madison, WI. August 2009- June, 2010.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana. May 24-26, 2010, Madison, Wisconsin.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana. July 12-16, 2010, Madison, Wisconsin.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp for PGY1 Neurosurgery Residents. Chicago, Illinois, July 23-24, 2010.

Guest Faculty and Speaker, Open and Endoscopic Endonasal Skull Base Surgery: A Hands on Cadaver Workshop for Neurosurgeons. Oregon Health and Science University, Portland, Oregon, September 25-26, 2010.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Neuroscience Interest Group of Medical Students of University of Wisconsin Medical School. October 22, 2010, Madison, Wisconsin.

Director, Microsurgical Anatomy of the Posterior Fossa and Posterior Skull Base and Cerebrovascular Occlusive Diseases. Resident Training Course, University of Wisconsin, Madison, WI. July 2010- January, 2011.

Invited Faculty and Speaker, *Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective*, Pre-meeting Hands-on Cadaveric Dissection Course, 22st Annual Meeting of North American Skull Base Society, Phoenix, AZ, February 17th, 2011

Director, The Third Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin. May 14, 2011.

Visiting Professor, Uludag University, School of Medicine, Department of Neurosurgery, Bursa, Turkey. May 20-21, 2011.

Director, Surgical Anatomy of the Ventricles, Temporal Lobe and Surgical Treatment of Epilepsy. Resident Training Course, University of Wisconsin, Madison, WI. February 2011- August 18, 2011.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 8-9, 2011.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana. July 25-27, 2011, Madison, Wisconsin.

Director, Basics of Neurosurgery, anterior skull base, neuro-exam and neuro-endoscopy. Resident Training Course, University of Wisconsin, Madison, WI. August 25, 2011- February 23, 2012.

Invited Faculty and Speaker, *Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective*, Pre-meeting Hands-on Cadaveric Dissection Course, 23rd Annual Meeting of North American Skull Base Society, Las Vegas, Nevada, February 16th, 2012

Director, Approaches to middle fossa and petroclival region. Resident Training Course, University of Wisconsin, Madison, WI. March 15, 2012- August 16, 2012.

Director, The Fourth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin. May 12, 2012.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 8-9, 2012.

Director & Instructor, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana. July 13, 2012, Madison, Wisconsin.

Director & Instructor, Cadaveric Dissection Course for Otolaryngology residents, University of Wisconsin, Madison, Wisconsin. September 19, 2012

Director & Instructor, “Hands-On” Microneurosurgical Dissection: Drilling, Suturing, Reviewing Neuro-Anatomy in Perfused Cadaver Heads.” Neuroscience Interest Group, UW School of Medicine and Public Health, Madison, WI October 26, 2012

Moderator, Video/Abstract Presentations on November 7, 2012. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012

Invited Faculty and Panelist, Luncheon Seminar on November 5, 2012. Sphenoclinoidal Meningiomas. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012

Invited Faculty, Moderator and Panelist, Breakfast Seminar on November 6, 2012. Cavernous Malformations. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012

Invited Faculty and Speaker, *Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective*, Pre-meeting Hands-on Cadaveric Dissection Course, 24th Annual Meeting of North American Skull Base Society, Miami, FL, February 14th, 2013

Visiting Professor, Katip Celebi University, Izmir, Department of Neurosurgery, February 22, 2013

Invited Faculty and Speaker, “Nuts and bolts of posterior fossa surgery: How I do it. Practical Clinic. The 81st Annual Meeting of American Association of Neurological Surgeons. New Orleans, La April 27, 2013.

Director, The Fifth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota and Rush University. Mequon, Wisconsin. May 14, 2013.

Invited Faculty, Speaker and Commentator on Live Surgeries, The 13th Helsinki Live Demonstration Course in Operative Microneurosurgery. Helsinki, Finland, June 2-6, 2013.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 8-9, 2013.

Director, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

Director, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana. June 9, 2014, Madison, Wisconsin.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 11-12, 2014.

Invited Faculty and Panelist, Practical Course on October 19, 2014. “Surgical management of Tumors in Eloquent Regions”. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. October 18-22, 2014

Moderator, 3D NEUROSURGERY: Techniques to Advance Safety and Efficacy in Micro-neurosurgery. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. October 18-22, 2014

Moderator, 2D NEUROSURGERY: Intraoperative Complications Avoidance and Management. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. October 18-22, 2014

Co-director, The First Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 15, 2014.

Faculty, Resection of Acoustic Neuromas: Part I. Translabyrinthine approach. AANS Operative Grand Rounds. WEBINAR. 2015

Faculty, Resection of Acoustic Neuromas: Part II. Retrosigmoid and Middle Fossa Approaches. AANS Operative Grand Rounds. WEBINAR. 2015

Moderator, “Management of Challenging Aneurysms” Breakfast session. North American Skull Base Society, 25th Annual Meeting, Tampa, FL. February 21, 2015

Invited Faculty, 4th Annual Advanced Open and Endoscopic Techniques in Complex Skull Base Surgery, Homer Stryker Center, Mahwah, NJ March 21-22, 2015

Director, Neuroanatomy “Hands-On” Dissection & Introduction to Neurosurgery, “Surface and Vascular Anatomy of Brain” and “Vascular Anatomy; Hands on example of Drilling, Suturing and work under the microscope”. Neuroscience Interest Group-UW Madison, WI. April 9, 2015

Invited Faculty, International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 14-17, 2015

Director, Vascular Hands-on Simulation Course. International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 15-16, 2015

Director, Vascular Hands-on Simulation Course. 29th Turkish Neurosurgical Society Scientific Meeting – Pre-meeting Practical Course. Belek-Antalya, Turkey. April 17, 2015

Invited Faculty and Speaker, How to Tackle Difficult Cranial cases. A step-by-step 3D Case-based Presentation. Practical Clinic. The 83rd Annual Meeting of American Association of Neurological Surgeons. Washington DC, May 4, 2015.

Director, “*Microsurgery Reunion (Case Studies)*”. University of Wisconsin, Madison, WI May 15, 2015

Director, The Seventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 16, 2015.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 10-11, 2015.

Invited Faculty and Panelist, Practical Course on September , 2015. “Surgical management of Tumors in Eloquent Regions”. Congress of Neurological Surgeons Annual Meeting. New Orleans, La. September 27, 2015

Moderator, 3D NEUROSURGERY: Techniques to Advance Safety and Efficacy in Micro-neurosurgery. Congress of Neurological Surgeons Annual Meeting. New Orleans, La. September 28, 2015

Moderator and Presenter, 3D NEUROSURGERY: A tribute to Yasargil: Global Microsurgery in 3D. Congress of Neurological Surgeons Annual Meeting. New Orleans, La. September 29, 2015

Moderator, General Scientific Session III, Congress of Neurological Surgeons Annual Meeting. New Orleans, La. September 29, 2015

Co-director, The Second Annual Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 14, 2015.

Faculty and Panelist, “Panel Discussion: Management of Vascular Issues in Skull Base Surgery”. 26th Annual North American Skull Base Society Meeting. Scottsdale, AZ, February 12-14, 2016.

Invited Faculty. Joint Meeting of the 12th International Conference of Cerebrovascular Surgery and 1st Interim Meeting of Asian Australasian Society Neurological Surgeons. February 26-28, 2017. Mumbai, India.

Faculty, Second Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University Of Colorado School of Medicine Center for Innovations. March 3-6, 2016. Aurora, CO.

Invited Faculty and Speaker, 3D Anatomy and Approaches to the Supratentorial Area and Skull Base. . The 84th Annual Meeting of American Association of Neurological Surgeons. Chicago, Illinois, April 30-May 4, 2016.

Director, “*Microsurgery Reunion (Case Studies)*”. University of Wisconsin, Madison, WI May 13, 2016

Director, The Eighth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 14, 2016.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 8-9, 2016.

Director, Introduction to Neurosurgery, Hands-on Dissection Course for High School Students, Madison, Wisconsin, July 14, 2016

Faculty, CNS 3D Anatomy Course for Senior Residents. Houston, TX. August 18-21, 2016.

Faculty, “*Surgical Neuroanatomy II (Infratentorial)*.” Practical Course PC28, CNS 2016 Annual Meeting, San Diego, California, September 24-28, 2016

Faculty, “Intra-dural Spine Tumor Surgery” Senior Resident Course: Technical Foundations in Neurosurgery, CNS 2016 Annual Meeting, San Diego, California September 24-28, 2016

Faculty, Complex Skull Base and Brain Tumor Surgery: 3D Surgical Anatomy and Technical Nuances. Practical Course, CNS 2016 Annual Meeting, San Diego, California, September 24-28, 2016

Faculty, “*How To Safely Operate: In, Through, and Around the Cavernous Sinus: Hands-On Cadaver Workshop with Live Surgery and Life-Like Simulation*”, Arkansas Neuroscience Institute, Little Rock, Arkansas October 22-25, 2016.

Co-director, The Third Annual Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 5, 2016.

Faculty, Tenth Annual Microscopic/Endoscopic Skull Base Surgery Course. Allegheny General Hospital, Department of Neurosurgery, Pittsburgh, PA. November 10, 2016

Visiting Professor, Department Neurosurgery, Temple University School of Medicine, Philadelphia, PA. December 15-16, 2016.

Scientific Program Co-Chair, the 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

Moderator, General Scientific Session. The 27th Annual Meeting of North American Skull Base Society, March 5, 2017. New Orleans, Louisiana, USA.

Panelist, “Master Video Session 1: Microvascular anastomosis, bypass and vascular repair. The 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

Panelist, “Main Topic Session 7: Petroclival meningiomas: Philosophy, techniques and results. The 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

Panelist, “Expert Debate Session 9: Vascular considerations in skull base surgery: Arteries (preserve, sacrifice or bypass), veins and preoperative tumor embolization. The 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

Faculty, Third Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University Of Colorado School of Medicine Center for Innovations. March 13-17, 2017. Aurora, CO.

Moderator, International Symposium. Cerebrovascular Session. 2017 AANS Annual Scientific Meeting Los Angeles, CA April 25, 2017

Panelist, Breakfast Seminar 106. Anticoagulation for the Neurosurgeon and Hemostasis in Neurosurgery, 2017 AANS Annual Scientific Meeting Los Angeles, CA April 24, 2017

Panelist, Breakfast Seminar 208. Endovascular vs. Microsurgical Techniques for the Optimal Treatment of Intracranial Aneurysms, 2017 AANS Annual Scientific Meeting Los Angeles, CA April 25, 2017

Director, “*Microsurgery Reunion (Case Studies)*”. University of Wisconsin, Madison, WI May 5, 2017

Director, The Ninth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 6, 2017.

Moderator. Tumor Session. International Symposium of Neurosurgery and Spine Surgery in the 9th Annual Meeting of Bosnia-Herzegovina American Academy of Science and Art. May 27, 2017. Teslic, Bosnia-Herzegovina.

Visiting Professor. “*The 27th Annual George Ehni Lectureship and Workshop*”. Baylor College of Medicine. June 8-10, 2017. Houston, Texas.

Guest Director. The 27th Annual George Ehni Cadaveric Anatomy Workshop. 1) Orbito-zygomatic Skull Base Approach and Unlocking the Cavernous Sinus & 2) Far-lateral Transcondylar Skull Base Approach. Baylor College of Medicine. June 10, 2017. Houston, Texas.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamental Skills Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 7-8, 2017.

Faculty and Panelist. Main Topic Session: “Cerebrovascular Bypass”. World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017 Istanbul, Turkey

Moderator. Plenary Session. M. Gazi Yasargil 50 Years in Microneurosurgery. World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017, Istanbul, Turkey

Moderator and Faculty. Breakfast Seminars: Giant Aneurysms. World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017 Istanbul, Turkey

Faculty. 3D Video Presentations World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017, Istanbul, Turkey

Moderator, Vascular Abstract Session. 79th Annual Scientific Meeting of the American Academy of Neurological Surgery. September 13-16, 2017. Santa Barbara, CA.

Chair. Symposium 2 Forefront of Acute Ischemic Stroke Treatment in Japan 13th ICVS Conference. Nagoya, Japan. October 28, 2017.

Chair and Speaker. Session 4: Extra Cranial – Intracranial Bypass (USA experience). 13th ICVS Conference Nagoya Japan. Nagoya, Japan October 28, 2017.

Chair and Speaker. Session 14: Surgical Anatomy of Complex Vascular Lesions. 13th ICVS Conference. Nagoya Japan, October 29 2017.

Faculty, “*How To Safely Operate: In, Through, and Around the Cavernous Sinus: Hands-On Cadaver Workshop with Live Surgery and Life-Like Simulation*”, Arkansas Neuroscience Institute, Little Rock, Arkansas October 12-15, 2017.

Presenter. Importance of Anatomy in the Treatment of So-called Inoperable Brain Tumors. Clinical Perspectives in Neurosurgery Webinar Series of UW Health. WEBINAR. 2017.

Faculty, Laboratory: Hands-On Dissection Classes. Allegheny General Hospital – 11th Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Lab, Pittsburgh, Pennsylvania November 15-18, 2017

Moderator, Anterior Cranial Fossa: Complication Avoidance and Case Presentations. Lunch Seminar 2.5 Hours Series Presentations. Allegheny General Hospital – 11th Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Lab, Pittsburgh, Pennsylvania November 15-18, 2017

Presenter, Posterior Circulations Aneurysms/Complications and Avoidance, Allegheny General Hospital – 11th Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Lab, Pittsburgh, Pennsylvania November 15-18, 2017

Faculty, The Fourth Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine Center for Innovations. Aurora, CO March 14-17, 2018

Invited Faculty, 1st Rhoton Society Meeting, & the International Symposium on Microneurosurgical Anatomy (ISMA). Tianjin, China July 1, 2018

Invited Faculty, International Endoscopic and Skull Base Surgery Conference — Lake Forum “*Surgical Video Session: Intrinsic Tumor*” The 7th International Symposium on Microneurosurgical Anatomy. ‘1st Rhoton Society Meeting. Tianjin, China July 1, 2018

Faculty, SNS Bootcamp. Rosemont IL July 13-14, 2018

Invited Faculty, ICCVS, IMS, Prague Neurosurgical Week 2018. Prague, Czech August 30, 2018

Director, First Midwest Microsurgery and Microvascular Anastomosis Course. University of Wisconsin. Madison, WI September 8, 2018.

Speaker, Cerebrovascular and Skull Base Symposium at the Brigham and Women's Hospital. Boston, Massachusetts September 22, 2018

Speaker, Congress of Neurological Surgeons. Houston, Texas October 6, 2018

Faculty, Endovascular and Vascular Techniques Course for Senior Residents. MERI Lab, Memphis, Tennessee October 12, 2018

Invited Faculty and Speaker, EANS Training Course. Dubrovnik, Croatia October 16, 2018

Director, Department of Neurological Surgery, "*Neuroanatomy "Hands-On" Dissection & Introduction to Neurosurgery*" Neuroscience Interest Group-UW Madison, UW School of Medicine & Public Health, Madison, WI. November 5, 2018

Speaker, Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. Istanbul, Turkey November 23- 25, 2018

Invited Faculty and Speaker, Spetzler Microneurosurgery Course: Posterior Approaches, Anatomy & Techniques, Barrow Neurological Institute. Phoenix, Arizona January 10-11, 2019

Visiting Professor, University of Washington 7th annual course. Seattle, WA January 24-27, 2019

Faculty and Speaker, 29th Annual North American Skull Base Society Meeting. Orlando, FL, February 15-17, 2019.

Visiting Professor, Mayo Clinic, Rochester, Minnesota, February 27 and 28, 2019.

Moderator, The Evandro de Oliveira Symposium. Mastery and Legacy in Neuroanatomy and the Surgery of Cerebrovascular Lesions, Complex Brain Tumors and Epilepsy, 2019 AANS Annual Scientific Meeting San Diego, CA; April 11, 2019.

Panelist, Breakfast Seminar 116. Anticoagulation for the Neurosurgeon and Hemostasis in Neurosurgery, 2019 AANS Annual Scientific Meeting Los Angeles, CA; April 15, 2019.

Visiting Professor, University of West Virginia. Pittsburgh, PA; April 18-19, 2019.

Director, “Microsurgery Reunion (Case Studies)”. University of Wisconsin, Madison, WI May 3, 2019

Director, The Eleventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 4, 2019.

Faculty and Speaker. Arkansas Neuroscience Institute Grand Opening Symposium, Little Rock, Arkansas June 15-16, 2019.

Faculty, Society of Neurological Surgeons, Neurosurgical Boot Camp “Fundamentals of Neurosurgery Course” for PGY1 Neurosurgery Residents. Chicago, Illinois, July 19-20, 2019.

Guest Faculty and Speaker, Evandro de Oliveira Cavernous Sinus Course, Little Rock, Arkansas August 24-27, 2019.

Faculty and Speaker, Inaugural Carle Illinois Microsurgery and Endoscopic Hands-On Course, University of Illinois, Urbana-Champaign, IL, August 30-31, 2019.

Invited Faculty and Speaker, Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana, Urbana-Champaign, IL, August 30, 2019.

Director, Second Annual Midwest Microsurgery and Microvascular Anastomosis Course. University of Wisconsin. Madison, WI September 14, 2019.

Speaker, the 81st Annual Meeting of the American Academy of Neurological Surgery, Rome, Italy, September 18- 21, 2019.

Speaker, The European Association of Neurosurgical Societies, TECHNOLOGY, TECHNIQUES, TRAINING AND TRANSPARENCY, Dublin, Ireland, September 24-28, 2019.

Speaker, 5th Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. Boston, Massachusetts October 5, 2019

Faculty and Speaker, Brain Tumor Update: Benign Brain Tumors Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

Director, Department of Neurological Surgery, “*Neuroanatomy “Hands-On” Dissection & Introduction to Neurosurgery*” Neuroscience Interest Group-Madison, UW School of Medicine & Public Health, Madison, WI. October 15, 2019

Faculty and Speaker, 3D Surgical Neuroanatomy Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

Speaker, Adult Advisory Council Meeting, Madison, WI, October 22, 2019

Speaker, Bellin Hospital, Talk to Neurologist group, Green Bay, WI, November 5, 2019

Speaker, UW-Neurosurgery Grand Rounds, Madison, WI, November 6, 2019

Speaker, Emergency Provider Meeting, , Dubuque, IA, November 20, 2019

Invited Guest, 28th Annual meeting of Henan Province Neurosurgical Societies, Zhengzhou, China, December 13-15, 2019

Speaker, Bypass 2020 Anniversary Symposium, Semi-centennial of Brain Bypass Symposium, University Hospital Zurich, Switzerland, January 8-10, 2020

Faculty and Speaker “Special Session 6: Hearing and Cranial Nerve Rehabilitation in Acoustic Neuroma Surgery”, **Panelist** “Expert Debate 6: Hearing and Cranial Nerve Rehabilitation in Acoustic Neuromas”, **Moderator** “Video Session 4: Petroclival Meningiomas Surgery”, **Abstract Moderator**, NASBS 30th Annual Meeting, San Antonio, Texas, February 7-9, 2020

Faculty and Speaker, AVM Surgery, UW-Neurosurgery Professor Rounds, Madison, WI, March 27, 2020

Faculty and Speaker, Microsurgery in the new era: Complex skull base tumors. Curso Internacional de Neurocirugía Vascular y Endovascular CINVAE 2020, Mexico Webinar. April 23, 2020

Faculty and Speaker, The Role of Microanastomosis and Bypass in Endovascular Era: Where are we standing? Neurosurgical.TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. April 25, 2020

Faculty and Speaker, The Role of Microanastomosis and Bypass in Endovascular Era; Endovasküler Çağda Bypass Cerrahisinin Rolü. Gazi University Webinar. April 25, 2020

Faculty and Speaker, Anterior, Middle Third Ventricular & Thalamic Tumors, UW-Neurosurgery Professor Rounds, Madison, WI, April 28, 2020

Faculty and Speaker, Operating on So-called Inoperable Brain Tumors: Role of Neuroanatomy, Neurosurgical.TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. May 9, 2020

Faculty and Speaker, Microsurgery of Arteriovenous Malformations: Technical Nuances, Neurosurgical.TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. May 23, 2020

Faculty and Speaker, Is Micro-neurosurgery dying? Microsurgery versus ultra-microsurgery, UW-Neurosurgery Professor Rounds, Madison, WI, May 27, 2020

Moderator, Surgery for Arteriovenous Malformations. Master Symposium Webinars and International Society of Craniovertebral Junction and Spine. May 28, 2020

Director, Microsurgery Resurgence Webinars, July 11, 2020

Faculty and Speaker, Preoperative AVM embolization: It is almost never needed, University of Miami Neurosurgical Cerebrovascular and Skull Base Programs Webinars, July 23, 2020

Faculty and Speaker, Surgical Treatment of Arteriovenous Malformations: Microsurgical Technique and Nuances, The Neurosurgical Atlas by Dr. Aaron Cohen-Gadol Webinar, July 27, 2020

Faculty and Speaker, Translabrythine Approach for Optimizing Facial Nerve Outcome in Vestibular Schwannomas, Pakistan Neurosurgery Society Webinar, August 5, 2020

Visiting Professor, Role of Neuro-anatomy in Surgical treatment of Complex Intracranial Pathologies, University of Oklahoma Virtual Grand Rounds, August 7, 2020

Director, Microsurgery Resurgence Webinars, August 8, 2020

Faculty, Speaker, Anatomy and Surgery of Anterior Cerebral Artery Aneurysms, Cerebrovascular Samurais, 2nd Rhoton Society Virtual Meeting & 8th International Zoomposium on Microneurosurgical Anatomy, September 11, 2020

Faculty, Speaker and Moderator, A Journey of One Thousand Miles in Cerebral Bypass— From Laboratory Training to Complex Vascular and Neoplastic Cases, Bypass Surgery: To boldly go..., 2nd Rhoton Society Virtual Meeting & 8th International Zoomposium on Microneurosurgical Anatomy, September 12, 2020

Invited Lecturer, Role of Neuroanatomy on Skull Base Surgery. Ministry of Health, Republic of Uzbekistan, Samarkand State Medical Institute. Webinar, September 12, 2020

Faculty and Panelist, The Inseparable Twins: Cerebrovascular and Skull Base Surgery, 2nd Rhoton Society Virtual Meeting & 8th International Zoomposium on Microneurosurgical Anatomy, September 19, 2020

Speaker, Anatomy, Techniques and Career Planning in Neurosurgery, Mayo Clinic-Circle of Willis, September 24, 2020

Speaker, Anterior Skull Base Meningiomas Classification and Microsurgical Techniques for Resection, Dakar International Webinar, October 10, 2020

Speaker, Kendi kabuğunuza sığmayın! Sonsuza kadar asistan/fellow'dan mikro-cerrahi öğütler, İZMİR On-line Nöroşirürji, October 17, 2020

Speaker, Open Surgery for Brain Metastasis, UW- Madison Inaugural Multidisciplinary CNS Metastasis Update, October 17, 2020

Speaker, Microsurgical Treatment of PICA and Vertebro-basilar Junction Aneurysms, Asian Congress of Neurological Surgeons (ACNS) Webinar, October 24, 2020

Speaker, Doing Complex Brain Surgeries with A-Team, Wisconsin State Assembly of Surgical Technologists (AST) Webinar, October 24, 2020

Speaker, Operating on So-called Inoperable Gliomas, UW-Neurosurgery Grand Rounds, Madison, WI, November 4, 2020

Speaker, Translabyrinthine approach for optimizing facial nerve outcome in vestibular schwannoma treatment, Neurosurgery Departement, National Brain Center, Jakarta – Indonesia Webinar, November 7, 2020

Speaker, Posterior Petrosal Approach, Acibadem University, Online Skull Base Course - Masters with Turkish Rhoton Fellows, November 14, 2020

Faculty, Panelist, and Speaker, Orbitozygomatic Approaches to Middle Fossa and Cavernous Sinus, North American Skull Base Society (NASBS), Virtual Skull Base Workshop, November 18, 2020

Visiting Professor, Current State of Open Vascular Neurosurgery in Endovascular Era, Marmara University Medical School, Department of Neurosurgery Webinar, November 22, 2020

Invited Faculty, Panelist, and Speaker, Approach to Cerebral Aneurysms, WFNS Neurosurgical Anatomy Webinars, December 2, 2020

Invited Faculty and Lecturer, Is Neurosurgery Rocket Science? Daily Physics of Neurosurgery, Second International Congress of Neuroscience in Conjunction with AANS, ENMS, IPN, MSC & UNESCO; “The World of Neurosurgery in Your Fingertips” Webinar, December 19, 2020

Director and Speaker, Vestibular Schwannoma Surgery: Truth Told, Microsurgery Resurgence Webinars, December 19, 2020

Speaker, Serebrovasküler cerrahide komplikasyonlardan kaçınma va yönetimi, Türk Nöroşirürji Derneği-Nörovasküler Cerrahi Öğretim ve Eğitim Grubu, January 16, 2021

Moderator, Panelist, and Speaker, To embolize or not to embolize: that is the question for arteriovenous malformations, The Journal of Neurosurgery; JNS Journal Club, Neurosurgical Focus- January 2021 Video; Posterior fossa arteriovenous malformations, January 26, 2021

Director and Speaker, Microsurgical Management of Midbrain Gliomas: Truth Told, Microsurgery Resurgence Webinars, January 30, 2021

Speaker, Contemporary Neurosurgical Approach To Unruptured Intracranial Aneurysms, Sinir Sistemi Cerrahisi; Vasküler Nöroşirürji Sempozyumu, February 6, 2021

Speaker, Nöroşirürjide Mikrocerrahi Eğitimi: Laboratuvarda ve Ameliyathanede Pratik ipuçları, İZMİR On-line Nöroşirürji, February 6, 2021

Speaker, Clippology with the Masters, Barrow Neurological Institute, February 16, 2021

Speaker, Posterior Circulation Aneurysms, 7th WFNS Foundation ACNS Winter WEB Seminar, February 20, 2021

Director and Speaker, Exact Clipping of Aneurysms and Reconstruction of Complex Aneurysms: Truth Told, Microsurgery Resurgence Webinars, February 27, 2021

Speaking Engagements and Invited Lectures

“Pathophysiology and Animal Models of Cerebral Ischemia”. Invited Lecturer in the Department of Neurosurgery, University of Illinois at Chicago, November 27, 1996

“Brain Protection During Cerebrovascular Surgery: Lessons Learned from Laboratory”. Invited Lecturer in the Department of Neurosurgery, Sevgi Hospital, Ankara, Turkey, January 3, 1997

“Complications and Intensive Care After Carotid Endarterectomy”. Invited Lecturer in the Department of Neurosurgery, Sevgi Hospital, Ankara, Turkey, January 4, 1997

“Pathophysiology and Management of Traumatic Brain Injury: Mini-Review”. Invited lecturer in the Department of Neurosurgery, Ankara University School of Medicine, Ankara, Turkey, June 10, 1998

“Surgical Anatomy and Surgical Treatment of the Aneurysms of the Supraclinoid Internal Carotid Artery” Department of Neurological Surgery, University of Miami, Miami, Florida, August 23, 2001 (Grand Rounds)

“Intracranial Dural Arteriovenous Fistulas”. Invited Lecturer in the Department of Neurology Grand Rounds, University of Miami. October 21, 2005.

“Two-piece Orbitozygomatic Approach” North American Skull Base Society 17th Annual Meeting pre-Meeting Course. Phoenix, Arizona. February 16, 2006

“Microsurgical Approaches to Intrinsic Brain Lesions Based on Neuroanatomy. Case Presentations”. Invited Speaker in 6th Annual Rosomoff Research Day, University of Miami, Miami, FL, June 10, 2006.

“Is there any no man land left in the brain and skull base? Microsurgical neuroanatomy based intracranial microsurgery for tumors involving the skull base and intrinsic brain regions”. Invited speaker in A Seminar on the Neurosurgical Aspects of the Multidisciplinary Brain Tumor Program. University of Wisconsin, Madison, WI August 3, 2006

“Introduction to Skull Base Surgery” Invited speaker in American Association of Neuroscience Nurses, University of Wisconsin, Madison, WI, October 18, 2006

“Microsurgical Treatment Strategies in Difficult Access Tumors Involving Skull Base and Intrinsic Brain Regions” Invited speaker in Brain Tumor Support Group, University of Wisconsin Hospital and Clinics, Madison, WI, November 21, 2006

“Importance of Neuroanatomy in Training for Microneurosurgery”. Invited speaker in Resident Education Session in 21st Turkish Neurosurgical Society Scientific Congress, Antalya, Turkey, April 20-24, 2007.

“The role of Microsurgery in Cerebrovascular Surgery in the Present and Future”. Invited speaker in 21st Turkish Neurosurgical Society Scientific Congress, Antalya, Turkey, April 20-24, 2007.

“Microneurosurgical Approaches to the Skull Base Based on Neuroanatomy: Is there any no man land left in the brain and skull base?” Invited speaker in 21st Turkish Neurosurgical Society Scientific Congress, Antalya, Turkey, April 20-24, 2007.

“Cerebrovascular Surgery Cases Video Presentation”. Masters Video Session in 21st Turkish Neurosurgical Society Scientific Congress, Antalya, Turkey, April 20-24, 2007

“Intracranial Tumor Cases Video Presentation”. Masters Video Session in 21st Turkish Neurosurgical Society Scientific Congress, Antalya, Turkey, April 20-24, 2007.

“Principals of Microneurosurgery”. Department of Neurological Surgery Grand Rounds. University of Wisconsin, Madison, WI. December 12, 2007.

“Surgical Strategies in Microneurosurgery: Lessons Learned”. Invited Lecturer in 20th Prof. Nurhan Avman Lecture. Ankara University School of Medicine, Ankara Turkey, March 8, 2008.

“Post-auricular Transtemporal Approaches-Neurosurgical Perspective”, Pre-meeting Course, 19th Annual Meeting of North American Skull Base Society, Vancouver, Canada, September 10th, 2008

“Orbitozygomatic Approach”, Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin and Medical College of Wisconsin. Madison, Wisconsin February 7, 2009.

“Combined Transtemporal Approaches”, Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin and Medical College of Wisconsin. Madison, Wisconsin February 7, 2009.

“Far-lateral Transcondylar Approach”, Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin and Medical College of Wisconsin. Madison, Wisconsin February 7, 2009.

“Introduction to Neuroanatomy based Microneurosurgery” . Neuroscience Interest Group Presentation. University of Wisconsin , Medical School. March 10, 2009. Madison, Wisconsin.

“Blood Blister-like Aneurysms of the Supraclinoid Internal Carotid Artery”. Breakfast Sessions. Diagnosis and Management of Vascular Lesions in the Severe Trauma Patient: Dissections, Pseudoaneurysms and Vasospasm. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

“Infratentorial Supracerebellar Transtentorial Approach to Posterior Medio-basal Temporal Region. Video Session. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

“Microsurgical Clipping of Giant Aneurysm of the Vertebral Artery via Far Lateral Transcondylar Approach Under Hypothermic Circulatory Arrest” . Video Session. XIV World Congress of Neurological Surgery of the World Federation of Neurosurgical Societies, Boston, USA. August 30-September 4, 2009.

“Pterional, One-piece and Two-piece Fronto-orbitozygomatic Craniotomies” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society

Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 24, 2009.

“Anterior Temporal Approaches. Subtemporal Approach, Middle Fossa Approach and Kawase’s Anterior (Medial) Petrosectomy” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 24, 2009.

“Posterior Temporal Presigmoid Approaches. Retrolabyrinthine, Translabyrinthine and Transcochlear Modifications” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 24, 2009.

“Microsurgical Approaches to the Pineal Region and Posterior Ambient Cistern” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 25, 2009.

“Far Lateral Transcondylar Approach to the Cervico-medullary Junction” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 25, 2009.

“Surgical Approaches to the 4th Ventricle and Cerebellopontine Angle” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 25, 2009.

“Transcranial Approaches to the Prepontine Cistern- Pretemporal Transcavernous Approach” . Supra- and Infra-tentorial Microsurgical and Endoscopic Approaches to Lesions in the Ventricles, Intratentorial and Supratentorial Regions. Turkish Neurosurgical Society Microsurgical Neuroanatomy Annual Course. Istanbul University, Cerrahpasa School of Medicine, Istanbul, Turkey. September 25, 2009.

“Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective”, Pre-meeting Course, 20th Annual Meeting of North American Skull Base Society, New Orleans, October 15th, 2009

“Neuroprotective effects of mesenchymal stem cells derived from human embryonic stem cells in transient focal cerebral ischemia in rats”. The American Academy of Neurological Surgery 71st Annual Meeting. Palm Beach, Florida. November 4-7, 2009.

“Combined Transpetrosal Approaches”. Department of Neurological Surgery Grand Rounds. University of Wisconsin, Madison, WI. December 23, 2009.

“Human Embryonic Stem Cell Based Therapies in Focal Cerebral Ischemia”. Society of University Neurosurgeons Annual Meeting. Miami, Florida March 20-24, 2010.

“Pterional and Orbitozygomatic Craniotomies”, Second Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin April 10, 2010.

“Case Presentations with Surgical Video Demonstrations”, Second Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin April 10, 2010.

“Far-lateral Transcondylar Approach”, Second Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin April 10, 2010.

“Advances in Skull Base Tumors”. Brain Tumor Awareness Day. University of Wisconsin, Madison, WI. May 1, 2010.

“Neuroanatomy Based Microsurgery for Brain Tumors” . Brain Tumor Symposium. University of Wisconsin, Madison, September 17, 2010.

“Neurovascular Surgical Video Case Presentations”, Neurovascular Case Conference for Neurosurgery Residents. Oregon Health Science University, Department of Neurosurgery, Portland, Oregon, September 23, 2010.

“Two-piece Orbitozygomatic Approach”. Open and Endoscopic Endonasal Skull Base Surgery: A Hands on Cadaver Workshop for Neurosurgeons. Oregon Health and Science University, Portland, Oregon, September 25, 2010.

“Neuroanatomy based Microneurosurgery” . Neuroscience Interest Group Presentation. University of Wisconsin , Medical School. October 22, 2010. Madison, Wisconsin.

“Impact of Neuroanatomy Education in Clinical Micro-neurosurgery”. 13th National Congress of Anatomy with International Participation. October 28, 2010, Kyrenia, Cypress.

“Challenging Cases in Intracranial Aneurysm Surgery: Surgical Video Demonstration for Neurosurgery Residents”. Department of Neurosurgery, Ankara University, School of Medicine, Ankara, Turkey. November 3, 2010.

“Skull Base Surgery”. Invited Speaker at Gunderson Lutheran Hospital Noon Conference. November 19, 2010., La Crosse, WI.

“Neuroanatomy based Intracranial Microsurgery”. Invited Speaker at Mercy Hospital. March 23, 2011, Oshkosh, WI.

“Memories of Last Sugita Fellow”. Invited speaker. International Sugita Symposium. American Association of Neurological Surgeons Annual Meeting. Denver, Colorado, April 11, 2011.

“Neuroanatomy- based Microneurosurgery”. Invited Lecturer at University of Illinois College of Medicine at Urbana-Champaign, April 22, 2011, Urbana-Champaign, IL.

“Pterional and Orbitozygomatic Craniotomies”, Third Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin May 14, 2011.

“Surgical Video Demonstrations”, Third Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin May 14, 2011.

“Far-lateral Transcondylar Approach”, Third Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin May 14, 2011.

“Importance of Topographical Gross Neuroanatomy and Skull Base Anatomy Teaching in Training Neurosurgery Residents”. Invited Lecture- Plenary Lecture. Joint Meeting of European Anatomical Societies. Bursa, Turkey. May 22, 2011.

“Surgical Anatomy of Main Skull Base Approaches”. Visiting Professor Lecture. Uludag University School of Medicine, Department of Neurosurgery. Bursa, Turkey May 20, 2011.

“Microsurgical Treatment Principles of Intracranial Aneurysms”. Visiting Professor Lecture. Uludag University School of Medicine, Department of Neurosurgery. Bursa, Turkey May 20, 2011.

“Blood Blister-like Aneurysms of the Supraclinoid Internal Carotid Artery”. Visiting Professor Lecture. Uludag University School of Medicine, Department of Neurosurgery. Bursa, Turkey May 20, 2011.

“Neuroanatomical Basis of Microneurosurgery”. Visiting Professor Lecture. Uludag University School of Medicine, Department of Neurosurgery. Bursa, Turkey May 21, 2011.

“Cerebral AVMs: Natural History, Treatment Alternatives and Microneurosurgery”. Visiting Professor Lecture. Uludag University School of Medicine, Department of Neurosurgery. Bursa, Turkey May 21, 2011.

“Neuroanatomy-based Microneurosurgery”. Society of University Neurosurgeons Annual Meeting. Athens, Istanbul and Izmir June 22-26, 2011.

“Microsurgery for Insular Tumors”. Grand Round Lecture. Department of Neurological Surgery. University of Wisconsin, July 20, 2011.

“Microsurgical Treatment Principles of Anterior Circulation Aneurysms”. Grand Round Lecture. Department of Neurological Surgery. University of Wisconsin, July 27, 2011.

“Skull Base Surgery and Neuroanatomy based Microneurosurgery” . Neuroscience Interest Group Presentation. University of Wisconsin , Medical School. November 29, 2011.

“Neurosurgical Case Studies”. In-service talk for operating room staff. University of Wisconsin Hospital. January 4, 2012.

“Post-auricular Transtemporal Combined Approaches-Neurosurgical Perspective”, Pre-meeting Course, 23rd Annual Meeting of North American Skull Base Society, Las Vegas, Nevada, February 16th, 2012

“Microsurgical Treatment Principles of Anterior Communicating Artery Aneurysms”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“Techniques, Pitfalls and Challenges in Microsurgical Treatment of Complex, Large and Giant Intracranial Aneurysms”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“How reliable is indocyanine-green video angiography? University of Wisconsin experience in first 109 aneurysms.”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“Challenges in Treatment of Paraclinoid Aneurysms”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“Dealing with Intraoperative Rupture of Intracranial Aneurysms”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“Microsurgical Treatment Principles of Cerebral Vascular Malformations”. Invited Speaker. The 3rd Annual Winter Symposium. Uludag University. Uludag, Bursa, Turkey. March 1-4, 2012.

“Importance of Neuroanatomy in Intracranial Microneurosurgery”. Invited Lecturer at University of Illinois College of Medicine at Urbana-Champaign, May 8, 2012, Urbana-Champaign, IL.

“Orbitozygomatic Approach”, The Fourth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin. May 12, 2012.

“Luncheon Case and Video Demonstration”, The Fourth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin May 12, 2012.

“Far-lateral Transcondylar Approach”, Fourth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee and University of Minnesota. Madison, Wisconsin May 12, 2012.

“Neuroanatomical Basis of Intracranial Microneurosurgery”. The 12th Helsinki Live Course. University of Helsinki, Helsinki, Finland. June 3-5, 2012.

“Neuroanatomical Basis for Microsurgical Treatment of Complex Intracranial Tumors” . Tumor Board Conference. Riverview Hospital, Wisconsin Rapids, WI. June 27, 2012.

“Aneurysms, Aneurysmal SAH– and Post-operative Care Expectations.” Neuroscience Nursing Education Series, UWHC, Madison, WI August 28, 2012.

“Microsurgical Treatment of Complex Intracranial Tumors” . Endocrinology Conference. St. Elizabeth Hospital, Appleton, WI. September 27, 2012.

“Neurosurgery is not a Rocket Science!” CEO Leadership Conference for Health Care Leaders. University of Wisconsin School of Medicine and Public Health, Madison, WI October 12, 2012.

“Presentation of Complex Neurosurgical Cases” Neurology Conference St. Agnes Hospital, Fond du Lac, WI. October 24, 2012.

“Importance of Neuro-anatomy in Neurosurgery.” Neuroscience Interest Group, UW School of Medicine and Public Health, Madison, WI November 2, 2012.

“Sphenoclinoidal meningiomas: Extradural clinoidectomy. Surgical anatomy, technique and tips”. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012

“Microsurgical treatment principles of intracranial aneurysms”. Invited Lecturer in 5th Prof. Erdem Tuncbay Lecture. Ege University Faculty of Medicine, Izmir, Turkey, February 23, 2013.

“Importance of neuroanatomy based microneurosurgery in surgical treatment of complex intracranial tumors”. Invited Lecturer in 5th Prof. Erdem Tuncbay Lecture. Ege University Faculty of Medicine, Izmir, Turkey, February 23, 2013.

“Microsurgical treatment of cerebral vascular malformations (AVMs and cavernomas)”. Invited Lecturer in 5th Prof. Erdem Tuncbay Lecture. Ege University Faculty of Medicine, Izmir, Turkey, February 23, 2013.

“Neurosurgery residency training in the USA”. Invited Lecturer in 5th Prof. Erdem Tuncbay Lecture. Ege University Faculty of Medicine, Izmir, Turkey, February 23, 2013.

“Surgical Anatomy and Approaches to Acoustic Neuromas. How I do it” in Practical Clinic “Nuts and bolts of posterior fossa surgery: How I do it. The 81st Annual Meeting of American Association of Neurological Surgeons. New Orleans, La April 27, 2013.

“Orbitozygomatic Approach”, The Fifth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota and Rush University. Mequon, Wisconsin. May 4, 2013.

“Luncheon Case and Video Demonstration”, The Fifth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota and Rush University. Mequon, Wisconsin. May 4, 2013.

“Far-lateral Transcondylar Approach”, The Fifth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota and Rush University. Mequon, Wisconsin. May 4, 2013.

“Is Neurosurgery rocket science?”. Invited Lecturer at University of Illinois College of Medicine at Urbana-Champaign, May 7, 2013, Urbana-Champaign, IL.

“Neurosurgery is not rocket science! Importance of neuroanatomy in surgical treatment of complex intracranial lesions” The 13th Helsinki Live Demonstration Course in Operative Microneurosurgery. Helsinki, Finland, June 2, 2013.

“Surgical Treatment of Complex CNS Pathologies” . Finley Hospital Tumor Board Conference. Dubuque, Iowa. October 2, 2013.

“Microsurgical Treatment of Complex Intracranial Tumors” . Aspirus Hospital Neuroscience Conference. Wausau, WI, November 1, 2013.

“Beginning of Your Academic Career: Questions and Answers”. The 82nd Annual Meeting of American Association of Neurological Surgeons. San Francisco April 6, 2014.

“Orbitozygomatic Approach”, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

“Extradural clinoidectomy”, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

“Luncheon Case and Video Demonstration”, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

“Retrosigmoid craniotomy”, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

“Far-lateral Transcondylar Approach”, The Sixth Annual Wisconsin Skull Base Course for Neurosurgery Resident at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University and Loyola University. Madison, Wisconsin. May 2, 2014.

“Neuroanatomical Basis of Microsurgical Approaches to Lesions in Eloquent Brain Regions.” The Society of University Neurosurgeons. The Annual Meeting. July 17-20, 2014, Seattle, WA.

“Neuroanatomical Basis of Microsurgical Approaches to Lesions in Eloquent Brain Regions.” Practical Course on October 19, 2014. “Surgical management of Tumors in Eloquent Regions”. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. October 18-22, 2014.

“Introduction of CNS International Division”. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. October 18-22, 2014.

“Neuro-anatomy Based Microsurgery for Treatment of Complex Intracranial Lesions”. Bellin Hospital Tumor Board. Green Bay, Wisconsin. October 28, 2014.

“End-to-Side Bypass Using Superficial Temporal Artery or Radial Artery in Extracranial to Intracranial Bypass”. The First Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 15, 2014.

“Orbitozygomatic Approach, Anterior Clinoidectomy and Exposure of Cavernous Sinus” 4th Annual Advanced Open and Endoscopic Techniques in Complex Skull Base Surgery, Homer Stryker Center, Mahwah, NJ March 21, 2015

“Complex Skull Base and Cerebrovascular – Complications Session” 4th Annual Advanced Open and Endoscopic Techniques in Complex Skull Base Surgery, Homer Stryker Center, Mahwah, NJ March 21, 2015

“Neurosurgery is not rocket science!”. Invited Lecturer at University of Illinois College of Medicine at Urbana-Champaign, March 31, 2015, Urbana-Champaign, IL.

“Basic surgical principles in aneurysm surgery (craniotomy, sylvian fissure dissection & temporary clipping)”. International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 15, 2015

“Posterior circulation aneurysms”. International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 16, 2015

“Giant aneurysms, fusiform and dissecting aneurysms” . International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 16, 2015

“Extracranial-intracranial bypass surgery”. International Basic Neurosurgery Course. The 4th Term. Vascular Neurosurgery. Belek-Antalya, Turkey. April 17, 2015

“Neurosurgery Residency Training in the USA”. 29th Turkish Neurosurgical Scientific Annual Meeting. Belek-Antalya, Turkey April 18, 2015

“Neuroanatomical Basis For Microsurgical Treatment of Complex Lesions in Eloquent Brain Regions.” 29th Turkish Neurosurgical Scientific Annual Meeting. Belek-Antalya, Turkey April 19, 2015

“3D Video presentation of clipping of a giant pericallosal aneurysm and thalamic cavernous angioma resection” in Practical Clinic “How to Tackle Difficult Cranial cases. A step-by-step 3D Case-based Presentation”. The 83rd Annual Meeting of American Association of Neurological Surgeons. Washington DC, May 4, 2015.

“Beginning of Your Academic Career: Questions and Answers”. The 83rd Annual Meeting of American Association of Neurological Surgeons. Washington DC, May 4, 2015.

“Orbitozygomatic Approach and Extradural Anterior Craniotomy”, The Seventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 16, 2015.

“Luncheon Case and Video Demonstration”, The Seventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 16, 2015.

“Far Lateral Transcondylar Approach”, The Seventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 16, 2015.

“Neuroanatomical Basis of Microsurgical Approaches to Lesions in Eloquent Brain Regions.” Practical Course on September 27, 2015. “Surgical management of Tumors in Eloquent Regions”. Congress of Neurological Surgeons Annual Meeting. Boston, Massachusetts. September 26-30, 2015.

“Is aneurysm surgery rocket science? Importance of anatomy in treatment of complex aneurysms”. Invited Speaker. European Association of Neurological Surgeons Annual Meeting. Madrid, Spain. October 18-21, 2015.

“Microvascular Anastomosis: Neurosurgical Perspective”. The Second Annual Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 14, 2015.

“Microsurgical treatment of so-called inoperable tumors.” Divine Savior Hospital, Oncology Board, Portage, WI. November 23, 2015.

“Role of anatomy in treatment of neoplastic and vascular lesions”. Turkish Neurosurgical Society Neuroanatomy and Neurovascular Sections Joint Symposium. Ankara, Turkey. December 26-27, 2015.

“Posterior approaches to the pineal region, tentorial incisura and posterior IIIrd ventricle.” Turkish Neurosurgical Society Neuroanatomy and Neurovascular Sections Joint Symposium. Ankara, Turkey. December 26-27, 2015.

“Role of Microsurgery in Treatment of Cerebral Arteriovenous Malformations.” Turkish Neurosurgical Society Neuroanatomy and Neurovascular Sections Joint Symposium. Ankara, Turkey. December 26-27, 2015.

“Surgical Video Presentations of Complex Vascular Lesions”. Turkish Neurosurgical Society Neuroanatomy and Neurovascular Sections Joint Symposium. Ankara, Turkey. December 26-27, 2015.

“Dealing with Cerebral Issues in Daily Practice: Micro-suturing”. North American Skull Base Society 26th Annual Meeting. Scottsdale, AZ, February 12-14, 2016.

“3D Video Presentations of 1) Large hypervascular acoustic neuroma, 2) Supracerebellar approach for resection of large tentorial meningioma, 3) STA-M4 bypass with radial artery interposition graft for revascularization, 4) Microsurgical treatment of superior petrosal DAVF” in Plenary Session, 3D Video Techniques in Skull Base Surgery. North American Skull Base Society 26th Annual Meeting. Scottsdale, AZ, February 12-14, 2016.

“Importance of Neuroanatomy for Treatment of Complex Vascular Lesions”. Joint Meeting of the 12th International Conference of Cerebrovascular Surgery and 1st Interim Meeting of Asian Australasian Society Neurological Surgeons. February 26-28, 2016. Mumbai, India.

“Dealing with Vascular Complications”. Joint Meeting of the 12th International Conference of Cerebrovascular Surgery and 1st Interim Meeting of Asian Australasian Society Neurological Surgeons. February 26-28, 2016. Mumbai, India.

“Far-lateral Transcondylar Approach”. Second Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University Of Colorado School of Medicine, Center for Innovations. March 3-6, 2016. Aurora, CO.

“3D Video Presentation of Translabyrinthine approach for resection of large acoustic neuroma and Giant Pericallosal Aneurysm”. Second Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 3-6, 2016. Aurora, CO.

“Vascular Complications of Cranial Microsurgery” Second Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 3-6, 2016. Aurora, CO.

“Complex Vascular Cases in 3D”. 3D Anatomy and Approaches to the Supratentorial Area and Skull Base. The 84th Annual Meeting of American Association of Neurological Surgeons. Chicago, Illinois, April 30-May 4, 2016.

“Resection of Complex and so-called Inoperable Brain Tumors”. Tumor Board Conference. Mercy Hospital, Janesville, WI, May 10, 2016.

“Surgical Treatment of Complex and So-called Inoperable Neoplastic or Vascular Lesions”. Neuology Associates Dinner Meeting. Stevens Point, WI, May 11, 2016.

“Microsurgical Treatment of So-called Inoperable Brain Lesions”. Founders Day University of Wisconsin Alumni Antigo Chapter, Antigo, WI, May 13, 2016.

“Orbitozygomatic Approach and Extradural Anterior Clinoidectomy”, The Eighth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 14, 2016.

“Luncheon Case and Video Demonstration”, The Eighth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 14, 2016.

“Far Lateral Transcondylar Approach”, The Eighth Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 14, 2016.

“Anterior Interhemispheric Approaches to the Lateral Ventricle Tumors”. CNS 3D Anatomy Course for Senior Residents. Houston, TX. August 18-21, 2016.

“Microsurgical Treatment of Posterior Inferior Cerebellar Artery Aneurysms”. Surgical Neuroanatomy II (Infratentorial). Practical Course PC28, CNS 2016 Annual Meeting, San Diego, California, September 24-28, 2016

“Intra-dural Spine Tumor Surgery” Senior Resident Course: Technical Foundations in Neurosurgery, CNS 2016 Annual Meeting, San Diego, California. September 24-28, 2016

“3D Video Presentation of Transsylvian Resection of Dominant Insular Glioma, Anterior Transcallosal Resection of Thalamic Astrocytoma, Translab Resection of 4 cm Vestibular Schwannoma, Transsigmoid Resection of Jugular Foramen Paraganglioma”. Complex Skull Base and Brain Tumor Surgery: 3D Surgical Anatomy and Technical Nuances. Practical Course, CNS 2016 Annual Meeting, San Diego, California, September 24-28, 2016

“Importance of Neuroanatomy of Surgical Treatment of So-called Inoperable Brain Tumors” Grand Rounds, Marshfield Clinic Neurology and Neurosurgery, Marshfield, WI. September 9, 2016

“Microvascular Anostomosis: Neursurgical Perspective”. The Third Annual Microvascular Surgery Course for residents of Neurosurgery, Plastic Surgery and Otolaryngology at University of Wisconsin-Madison. Madison, Wisconsin. November 5, 2016.

“Transcondylar Approach: Step by Step” Tenth Annual Microscopic/Endoscopic Skull Base Surgery Course. Allegheny General Hospital, Dept. of Neurosurgery, Pittsburgh, PA. November 10, 2016

“Posterior Circulations Aneurysms/complications and Avoidance” Posterior Fossa Case Presentations/Complications Avoidance, Tenth Annual Microscopic/Endoscopic Skull Base Surgery Course. Allegheny General Hospital, Dept. of Neurosurgery, Pittsburgh, PA. November 10, 2016

“Importance of Neuroanatomy in Surgical Treatment of so-called Inoperable Brain Tumors”. Neurosurgery & Neurology Grand Rounds. Temple University School of Medicine, Philadelphia, PA. December 16, 2016.

“Microvascular repair of vascular injuries and challenging bypass cases”. “Master Video Session 1: Microvascular anastomosis, bypass and vascular repair. The 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

“Role of microsurgical neuro-anatomy in selection of approach to complex petroclival meningiomas”. “Main Topic Session 7: Petroclival meningiomas:Philosophy, techniques and results. The 27th Annual Meeting of North American Skull Base Society, March 3-5, 2017. New Orleans, Louisiana, USA.

“3D Video Presentation of Bonnet Bypass for Carotid Occlusion and Resection of Large Chondrosarcoma through Combined Dolenc and Kawase Approaches.” Third Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 13-17, 2017. Aurora, CO.

“Far-lateral Transcondylar Approach”. Third Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 13-17, 2017. Aurora, CO.

“Complications Session” Third Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 13-17, 2017. Aurora, CO.

“Microsurgical Techniques for Hemostasis”. Breakfast Seminar 106. Anticoagulation for the Neurosurgeon and Hemostasis in Neurosurgery, 2017 AANS Annual Scientific Meeting Los Angeles, CA April 24, 2017

“Microsurgery for Giant and Large Aneurysms: From Simple to Most Complex”. Breakfast Seminar 208. Endovascular vs. Microsurgical Techniques for the Optimal Treatment of Intracranial Aneurysms, 2017 AANS Annual Scientific Meeting Los Angeles, CA April 25, 2017

“Surgery for Complex Vascular lesions in Endovascular Era”. Spanish Neurosurgical Society Annual Meeting with The Society of British Neurological Surgeons. May 17-20, 2017. Barcelona, Spain.

Key Note Speaker. *“Role of topographical anatomy in treatment of so-called inoperable brain tumors”*. International Symposium of Neurosurgery and Spine Surgery in the 9th Annual Meeting of Bosnia-Herzegovina American Academy of Science and Art. May 27, 2017. Teslic, Bosnia-Herzegovina.

“Role of Neuroanatomy in Treatment of Complex Vascular Lesions”. International Symposium of Neurosurgery and Spine Surgery in the 9th Annual Meeting of Bosnia-Herzegovina American Academy of Science and Art. May 27, 2017. Teslic, Bosnia-Herzegovina.

Invited Lecturer. *“Is Neurosurgery Really Rocket Science? Use of Topographical Anatomy in Treatment of so-called Inoperable Brain Tumors”*. Houston Neurological Society Annual Meeting. June 8, 2017, Houston, Texas.

“Does Microsurgery Still Have a Role in Treatment of Complex Vascular Lesions in Endovascular Era?”. Visiting Professor Grand Rounds. Baylor College of Medicine. June 9, 2017. Houston, Texas.

“Is gross total resection of so-called inoperable brain tumors possible?” Finley Tumor Board, Dubuque, IA June 28, 2017.

Extracranial to Intracranial Bypass in Cases with Limited Bypass Conduit Options: Pushing the Envelope Further, World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017 Istanbul, Turkey.

“Role of Anatomy in Selecting Surgical Treatment for Giant and Large Aneurysms: From Complex to Most Complex”. World Federation of Neurosurgical Societies, XVI World Congress of Neurosurgery, August 20-25, 2017 Istanbul, Turkey.

“Cerebrovascular Bypass in Challenging Cases With Limited Alternatives” 13th ICCVS Conference Nagoya Japan. October 27 to October 29, 2017. Session 4 Extra cranial – Intracranial bypass (USA experience). Nagoya, Japan October 28, 2017.

Role of Anatomy in Surgical Management of Complex AVMs. Session 14 Surgical Anatomy of Complex Vascular Lesion. 13th ICCVS Conference. Nagoya Japan, October 29 2017.

“Trigeminal Schwannomas: Surgical Treatment”. How To Safely Operate: In, Through, and Around the Cavernous Sinus: Hands-On Cadaver Workshop with Live Surgery and Life-Like Simulation. Arkansas Neuroscience Institute, Little Rock, Arkansas October 12-15, 2017.

Transcondylar Approach: Step By Step. Allegheny General Hospital – 11th Annual Microscopic/Endoscopic Skull Base Surgery Course and Vascular Bypass Lab, Pittsburgh, Pennsylvania November 15-18, 2017

“Far-lateral Transcondylar Approach”. The Fourth Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 14-17, 2018. Aurora, CO.

“Bonnet Bypass for Cerebral Sschemia: 3D” and *“Translab approach for Resection of 4 cm Hypervascular Acoustic Neuroma: 3D”*. Operative Video Session. The Fourth Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 16, 2018. Aurora, CO.

“Microsurgical Treatment of Blister-like Aneurysm with Prophylactic Bypass and Clip Reconstruction” and *“Microsurgery for Resection of Dominant Superior Temporal Gyrus AVM”*. 3D Operative Video Session. The Fourth Annual Course for Microscopic and Endoscopic Approaches to Central Skull Base. University of Colorado School of Medicine, Center for Innovations. March 17, 2018. Aurora, CO.

“ Surgical Anatomy for Cerebrovascular Surgery” and *“ Importance of Anatomy in Surgical treatment of Complex Intracranial Aneurysms and AVMs”*. 1st Rhoton Society Meeting, &the International Symposium on Microneurosurgical Anatomy (ISMA). July 1, 2018. Tianjin, China.

“Surgical Video Session: Intrinsic Tumor”. International Endoscopic and Skull Base Surgery Conference — Lake Forum. The 7th International Symposium on Microneurosurgical Anatomy. ‘1st Rhoton Society Meeting. July 1, 2018. Tianjin, China

“Bonet bypass for ischemia”. International Endoscopic and Skull Base Surgery Conference — Lake Forum. The 7th International Symposium on Microneurosurgical Anatomy. ‘1st Rhoton Society Meeting. July 1, 2018. Tianjin, China

“Importance of anatomy in surgical resection of so-called inoperable tumors”. International Endoscopic and Skull Base Surgery Conference — Lake Forum. The 7th International Symposium on Microneurosurgical Anatomy. ‘1st Rhoton Society Meeting. July 1, 2018. Tianjin, China

“ICCVS 1: Aneurysms, Role of neuro-anatomy in surgical management of complex intracranial aneurysms”. ICCVS, IMS, Prague Neurosurgical Week. August 30, 2018. Prague, Czech.

“ICCVS Role of anatomy in selecting approach to petroclival meningioma”. ICCVS, IMS, Prague Neurosurgical Week. September 1, 2018. Prague, Czech.

“Vascular issues in skull base lesions”. ICCVS, IMS, Prague Neurosurgical Week. September 1, 2018. Prague, Czech.

“Challenges in approaching supra-parasellar tumors. Case by case discussions”. ICCVS, IMS, Prague Neurosurgical Week. September 1, 2018. Prague, Czech.

“First Midwest Microsurgery and Microvascular Anastomosis Course”. University of Wisconsin. September 8, 2018. Madison, WI

“Decision Making—Bypass for Ischemia / Moya Moya” Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. September 22, 2018 . Boston, Massachusetts

“How to Operate—ACOM Aneurysm Open and Endovascular Techniques” and video presentation. *“ACOM aneurysm open surgery.”* Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. September 22, 2018 . Boston, Massachusetts

“Intraoperative Complication Management Aneurysm rupture during repair”. Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. September 22, 2018 . Boston, Massachusetts

“How Do We Operate? Technical Pearls for Achieving the Goal.” “ACOM Aneurysm Open Techniques and Endo Techniques” Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. September 22, 2018 . Boston, Massachusetts

“Practical Course PC09-3D Surgical Neuroanatomy (Supratentorial)”. Congress of Neurological Surgeons. October 6, 2018. Houston, Texas

“Animal Labs/Virtual Simulators/Flow Models” Endovascular and Vascular Techniques Course for Senior Residents. MERI Lab. October 12, 2018. Memphis, Tennessee

“Posterior Circulation Aneurysm Surgery” Endovascular and Vascular Techniques Course for Senior Residents. MERI Lab. October 12, 2018. Memphis, Tennessee

“Choice of approach to the anterior fossa” Discussion, Group Leader, Session I. EANS Training Course. October 16, 2018. Dubrovnik, Croatia

“Chordoma/chondrosarcoma” EANS Training Course. October 16, 2018. Dubrovnik, Croatia

“Neuroanatomy “Hands-On” Dissection & Introduction to Neurosurgery” Neuroscience Interest Group-UW Madison, UW School of Medicine & Public Health, November 5, 2018. Madison, WI

“Anterior, Middle Third Ventricular & Thalamic Tumors” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Surgical Approaches to Fourth Ventricular and Paraventricular Lesion” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Microsurgical resection of so-called inoperable tumors involving mesencephalon, pineal region and posterior 3rd ventricle” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Midline falcotentorial meningiomas: Gross total resection versus subtotal resection?” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Challenging Bypass Cases” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Midline Callosal and Limbic System AVMs” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Posterior Circulation Aneurysms” Turkish Neurosurgical Society, Neuro-Oncology, Vascular, and Surgical Anatomy Group Annual Symposium. November 23- 25, 2018. Istanbul, Turkey

“Far Lateral approach, Clinical Applications” Spetzler Microneurosurgery Course: Posterior Approaches, Anatomy & Techniques, Barrow Neurological Institute. January 10-11, 2019. Phoenix, Arizona

“Posterior Interhemispheric, Interhemispheric Approaches” Spetzler Microneurosurgery Course: Posterior Approaches, Anatomy & Techniques, Barrow Neurological Institute. January 10-11, 2019. Phoenix, Arizona

“The role of Microanastomosis Bypass in the endovascular era”. University of Washington 7th annual course. January 24-27, 2019. Seattle, WA

“Avoidance and Management of Vascular Injuries”. Main Topic 9: Avoidance of Complication in Skull Base Surgery, 29th Annual North American Skull Base Society Meeting. February 15-17, 2019, Orlando, FL.

“Rhoton Room: Open Posterior Skull Base and Jugular Foramen, Transcervical; Far-lateral transcondylar live cadavric dueling dissection”. 29th Annual North American Skull Base Society Meeting. February 15-17, 2019, Orlando, FL.

“Case Presentations and Discussion with the Neurosurgery Residents”. Mayo Clinic, Visiting Professor, February 27 and 28, 2019, Rochester, Minnesota.

“Soccer and Neurosurgery”. Mayo Clinic, Visiting Professor, February 27 and 28, 2019, Rochester, Minnesota.

“Lessons and advices from a forever resident/fellow: case discussions”. Mayo Clinic, Visiting Professor, February 27 and 28, 2019, Rochester, Minnesota.

“Microsurgical Techniques for Hemostasis: From Simple to Most Complex”. Breakfast Seminar 116. Anticoagulation for the Neurosurgeon and Hemostasis in Neurosurgery, 2019 AANS Annual Scientific Meeting Los Angeles, CA; April 15, 2019.

“Role of anatomy and microsurgical training in the lab when dealing with so-called inoperable and complex cases”. University of West Virginia. Pittsburgh, PA; April 18-19, 2019.

“Is Brain Tumor Surgery Rocket Science? Case by Case Discussion” Finley Tumor Board, Dubuque, IA April 24, 2019.

“Demonstration of basic principles of microsurgical resection of AVMs”. Microsurgery Reunion (Case Studies). University of Wisconsin, Madison, WI May 3, 2019

“Extended middle fossa and transcavernous approach in resection of dumbbell-shaped giant trigeminal schwannoma”. Microsurgery Reunion (Case Studies). University of Wisconsin, Madison, WI May 3, 2019

“Surgical treatment of giant fusiform aneurysm of proximal pericallosal artery with trapping and STA-to-A3 bypass with radial artery interposition graft”. Microsurgery Reunion (Case Studies). University of Wisconsin, Madison, WI May 3, 2019

“Role of extradural clinoidectomy and optic unroofing in resection of clinoidal meningioma – encasement of ICA and its branches”. Microsurgery Reunion (Case Studies). University of Wisconsin, Madison, WI May 3, 2019

“Microvascular decompression of V3 branch of trigeminal nerve: a rare case of vascular compression by petrous ICA”. Microsurgery Reunion (Case Studies). University of Wisconsin, Madison, WI May 3, 2019

“Orbitozygomatic Approach and Extradural Anterior Craniotomy”, The Eleventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 4, 2019.

“Luncheon Case and Video Demonstration”, The Eleventh Annual Wisconsin Skull Base Course for Neurosurgery Residents at University of Wisconsin-Madison, Medical College of Wisconsin-Milwaukee, University of Minnesota, Rush University, University of Illinois-Chicago and Loyola University. Madison, Wisconsin. May 4, 2019.

“Microsurgery for Complex and Challenging Intracranial Cases; Case by Case Discussion”, Neuroscience Group, Neenah, WI. May 29, 2019

“From Micro-neurosurgery to Ultra-micro-neurosurgery Influence of Little Rock School on my Surgical Journey”. Arkansas Neuroscience Institute Grand Opening Symposium, Little Rock, Arkansas June 15-16, 2019.

“Surgical Video Demonstrations” Arkansas Neuroscience Institute Grand Opening Symposium, Little Rock, Arkansas June 17, 2019.

“Operating on So-called Inoperable Brain Tumors, Case Based Discussion” Swedish American Hospital, Rockford, IL, July 15, 2019

“Fifth Nerve Schwannoma” Evandro de oliveira cavernous sinus course, Little Rock, Arkansas , August 24-27, 2019.

“Surgical Video Demonstrations” Evandro de oliveira cavernous sinus course, Little Rock, Arkansas , August 24-27, 2019.

“Neurosurgery is not rocket science.” Neuroanatomy and Cadaveric Dissection Course for Medical Students of University of Illinois Champaign-Urbana, Urbana-Champaign, IL, August 30, 2019.

“Far Lateral Approach and Its Variations” Inaugural Carle Illinois Microsurgery and Endoscopic Hands-On Course, University of Illinois, Urbana-Champaign, IL, August 30-31, 2019.

“Case Presentations and Surgical Videos” Second Annual Midwest Microsurgery and Microvascular Anastomosis Course. University of Wisconsin. Madison, WI September 14, 2019.

“Maximal Safe Resection in Thalamic Gliomas is Superior to Biopsy: Personal Reflections on 40 Cases” the 81st Annual Meeting of the American Academy of Neurological Surgery, Rome, Italy, September 18- 21, 2019.

“Staged Transsphenoidal and Transcranial Surgeries in Giant / Complex Pituitary Tumors” The European Association of Neurosurgical Societies, TECHNOLOGY, TECHNIQUES, TRAINING AND TRANSPARENCY, Dublin, Ireland, September 24-28, 2019.

“Arterial Encasement and Intraoperative Management in Skull Base Meningiomas” The European Association of Neurosurgical Societies, TECHNOLOGY, TECHNIQUES, TRAINING AND TRANSPARENCY, Dublin, Ireland, September 24-28, 2019.

“Occluded Bypass Salvage Strategies” 5th Cerebrovascular and Skull Base Symposium at the Brigham and Women’s Hospital. Boston, Massachusetts October 5, 2019

“Chordomas and chondrosarcomas” Brain Tumor Update: Benign Brain Tumors Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

“Large anterior clinoidal meningioma encasing ICA, ACA & MCA resection via extradural clinoidectomy and optic unroofing” 3D Surgical Neuroanatomy Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

“Compilation of high grade insular glioma cases encasing lenticulostriate arteries” 3D Surgical Neuroanatomy Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

“A Neurenteric Cyst of the Cavernous Sinus” 3D Surgical Neuroanatomy Symposia, Congress of Neurological Surgery (CNS), San Francisco, CA October 19-23, 2019.

“Is brain tumor surgery rocket science?”, Adult Advisory Council Meeting, Madison, WI, October 22, 2019

“Update on So-Called Inoperable Brain Tumors”, Bellin Hospital, Talk to Neurologist group, Green Bay, WI, November 5, 2019

“Surgical Strategies for Cerebral Revascularization When There are Limited Bypass Conduit Options and Unexpected Intraoperative Difficulties”, UW-Neurosurgery Grand Rounds, Madison, WI, November 6, 2019

“Emergency Referrals to Neurosurgery other than Traumatic Brain Injury; Case by Case Discussions”, Emergency Provider Meeting , Dubuque, IA, November 20, 2019

“Microsurgery of Complex Tumors in New Era”, 28th Annual meeting of Henan Province Neurosurgical Societies, Zhengzhou, China, December 13-15, 2019

“Neurovascular Surgery in the Endovascular Era”, 28th Annual meeting of Henan Province Neurosurgical Societies, Zhengzhou, China, December 13-15, 2019

“STA with Interposition Graft: Variations and Tricks”, Masters Session, Bypass 2020 Anniversary Symposium, Semi-centennial of brain bypass Symposium, University Hospital Zurich, Switzerland, January 8-10, 2020

“Is Translabyrinthine Approach Reasonable to Optimize Facial Outcomes”, NASBS 30th Annual Meeting, San Antonio, Texas, February 9, 2020

“AVM Surgery”, UW-Neurosurgery Professor Rounds, Madison, WI, March 27, 2020

“Microsurgery in the new era: Complex skull base tumors”, Curso Internacional de Neurocirugía Vascular y Endovascular CINVAE 2020, Mexico Webinar. April 23, 2020

“The Role of Microanastomosis and Bypass in Endovascular Era: Where are we standing?” Neurosurgical.TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. April 25, 2020

“The Role of Microanastomosis and Bypass in Endovascular Era; Endovasküler Çağda Bypass Cerrahisinin Rolü”. Gazi University Webinar. April 25, 2020

“Anterior, Middle Third Ventricular & Thalamic Tumors”, UW-Neurosurgery Professor Rounds, Madison, WI, April 28, 2020

“Operating on So-called Inoperable Brain Tumors: Role of Neuroanatomy”, Neurosurgical.TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. May 9, 2020

“Microsurgery of Arteriovenous Malformations: Technical Nuances”, Neurosurgical TV, Neurosurgery Coach and Asian Medical Students & Residents Society of Neurosurgery (AMSRS) Webinar. May 23, 2020

“Is Micro-neurosurgery dying? Microsurgery versus ultra-microsurgery”, UW-Neurosurgery Professor Rounds, Madison, WI, May 27, 2020

“Preoperative AVM embolization: It is almost never needed”, University of Miami Neurosurgical Cerebrovascular and Skull Base Programs Webinars, July 23, 2020

“Surgical Treatment of Arteriovenous Malformations: Microsurgical Technique and Nuances”, The Neurosurgical Atlas by Dr. Aaron Cohen-Gadol Webinar, July 27, 2020

“Translabyrinthine Approach for Optimizing Facial Nerve Outcome in Vestibular Schwannomas”, Pakistan Neurosurgery Society Webinar, August 5, 2020

“Role of Neuro-anatomy in Surgical treatment of Complex Intracranial Pathologies”, University of Oklahoma Virtual Grand Rounds, August 7, 2020

“Anatomy and Surgery of Anterior Cerebral Artery Aneurysms”, Cerebrovascular Samurais, 2nd Rhoton Society Virtual Meeting & 8th International Zoomposium on Microneurosurgical Anatomy, September 11, 2020

“A Journey of One Thousand Miles in Cerebral Bypass— From Laboratory Training to Complex Vascular and Neoplastic Cases”, Bypass Surgery: To boldly go..., 2nd Rhoton Society Virtual Meeting & 8th International Zoomposium on Microneurosurgical Anatomy, September 12, 2020

“Role of Neuroanatomy on Skull Base Surgery”, Ministry of Health, Republic of Uzbekistan, Samarkand State Medical Institute. Webinar, September 12, 2020

“Anatomy, Techniques and Career Planning in Neurosurgery”, Mayo Clinic- Circle of Willis, September 24, 2020

“Anterior Skull Base Meningiomas Classification and Microsurgical Techniques for Resection”, Dakar International Webinar, October 10, 2020

“Kendi kabuğunuza sığmayın! Sonsuza kadar asistan/fellow’dan mikro-cerrahi öğütler”, İZMİR On-line Nöroşirürji, October 17, 2020

“Open Surgery for Brain Metastasis”, UW- Madison Inaugural Multidisciplinary CNS Metastasis Update, October 17, 2020

“Microsurgical Treatment of PICA and Vertebro-basilar Junction Aneurysms”, Asian Congress of Neurological Surgeons (ACNS) Webinar, October 24, 2020

“Doing Complex Brain Surgeries with A-Team”, Wisconsin State Assembly of Surgical Technologists (AST) Webinar, October 24, 2020

“Operating on So-called Inoperable Gliomas”, UW-Neurosurgery Grand Rounds, Madison, WI, November 4, 2020

“Translabrynthine approach for optimizing facial nerve outcome in vestibular schwannoma treatment”, Neurosurgery Departement, National Brain Center, Jakarta – Indonesia Webinar, November 7, 2020

“Posterior Petrosal Approach”, Acibadem University, Online Skull Base Course - Masters with Turkish Rhoton Fellows, November 14, 2020

“Orbitozygomatic Approaches to Middle Fossa and Cavernous Sinus”, North American Skull Base Society (NASBS), Virtual Skull Base Workshop, November 18, 2020

“Current State of Open Vascular Neurosurgery in Endovascular Era”, Marmara University, Marmara Nöroşirürji Online Toplantı, November 22, 2020

“*Approach to Cerebral Aneurysms*”, WFNS Neurosurgical Anatomy Webinars, December 2, 2020

“*Is Neurosurgery Rocket Science? Daily Physics of Neurosurgery*”, Second International Congress of Neuroscience; “The world of neurosurgery in your fingertips” Webinar, December 19, 2020

“*Vestibular Schwannoma Surgery: Truth Told*”, Microsurgery Resurgence Webinars, December 19, 2020

“*Serebrovasküler cerrahide komplikasyonlardan kaçınma va yönetimi*”, Türk Nöroşirürji Derneği-Nörovasküler Cerrahi Öğretim ve Eğitim Grubu, January 16, 2021

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24. **Baskaya MK**, Rao AM, Donaldson D, Prasad MR, Dempsey RJ. Effect of Ifenoprodil on infarct size, blood-brain barrier breakdown, and edema formation after focal cerebral ischemia in the cat. The 25th Annual Meeting of Society for Neuroscience, San Diego, California, November 11-16, 1995 [Poster Presentation]
25. Rao AM, **Baskaya MK**, Maley ME, Prasad R, Kindy MS, Dempsey RJ. S-adenosylmethionine (SAM) effects on blood-brain barrier (BBB) breakdown and neuronal cell survival after transient ischemia. The 21st International Joint Conference on Stroke and Cerebral Circulation, San Antonio, Texas, January 25-27, 1996 [Poster Presentation]
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27. Suzuki Y, Shibuya M, **Baskaya MK**, Takakura S. Cavernous angiomas in the cavernous sinus. The American Association of Neurological Surgeons, Minneapolis, Minnesota, April 27-May 2, 1996 [Poster Presentation]
28. Rao AM, **Baskaya MK**, Dogan A, Dempsey RJ. Effect of phospholipase A2 (PLA2) inhibitor, CDP-Choline, on regional activities of ornithine decarboxylase (ODC) and blood-brain barrier (BBB) breakdown after transient ischemia. The 26th Annual Meeting of Society for Neuroscience, Washington D.C., November 16-21, 1996 [Poster Presentation]
29. Dogan A, **Baskaya MK**, Rao AM, Rastl J, Dempsey RJ. Reduction of cerebral edema and infarct volume by ifenoprodil in rats after temporary focal cerebral ischemia. Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery

- and the American Society of Interventional and Therapeutic Neuroradiology, Anaheim, California, February 4-6, 1997 [Poster Presentation]
30. **Baskaya MK**, Dogan A, Rao AM, Dempsey RJ. The time course of the BBB breakdown and correlation with brain edema formation after experimental traumatic brain injury. The American Association of Neurological Surgeons, Denver, Colorado, April 12-17, 1997 [Poster Presentation]
 31. Dogan A, **Baskaya MK**, Donaldson D, Rao AM, Dempsey RJ. The effect of injury severity on the somatosensorial evoked potentials after traumatic brain injury. The American Association of Neurological Surgeons, Denver, Colorado, April 12-17, 1997 [Poster Presentation]
 32. **Baskaya MK**, Dogan A, Rao AM, Vemuganti R, Rastl J, Dempsey RJ. Application of intraluminal suture occlusion of middle cerebral artery in gerbils to obtain consistent infarction. The 27th Annual Meeting of Society for Neuroscience, New Orleans, Louisiana, October 25-30, 1997 [Poster Presentation]
 33. Rao AM, Hatcher JF, **Baskaya MK**, Dogan A, Vemuganti R, Dempsey RJ. Fluorometric assay of nitrite and nitrate in brain tissue after head injury and ischemia. The 27th Annual Meeting of Society for Neuroscience, New Orleans, Louisiana, October 25-30, 1997 [Poster Presentation]
 34. Vemuganti R, **Baskaya MK**, Dogan A, Rao AM, Rothstein JD, Dempsey RJ. Traumatic brain injury down-regulates glial glutamate transporters GLT-1 and GLAST. The 27th Annual Meeting of Society for Neuroscience, New Orleans, Louisiana, October 25-30, 1997 [Poster Presentation]
 35. Dogan A, **Baskaya MK**, Rao AM, Vemuganti R, Dempsey RJ. The role of the polyamine interconversion pathway on brain edema formation after traumatic brain injury. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, September 27-October 2, 1997 [Poster Presentation]
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 37. Dempsey RJ, Vemuganti R, **Baskaya MK**, Rao AM, Dogan A. The pathophysiology and regulation of the glutamatergic system in traumatic brain injury. The American Academy of Neurological Surgery, September 10-14, 1997 [Oral Presentation]

38. **Baskaya MK**, Temiz C, Dogan A, Dempsey RJ. Applications, modifications and complications of endovascular suture occlusion model of middle cerebral artery in different rat strains. Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology Orlando, Florida, February 1-4, 1998 [Poster Presentation]
39. Dogan A, Temiz C, **Baskaya MK**, Dempsey RJ. Effect of different dosages of difluoromethylornithine on reperfusion injury after temporary middle cerebral artery occlusion. Joint Meeting of the AANS/CNS Section on Cerebrovascular Surgery and the American Society of Interventional and Therapeutic Neuroradiology, Orlando, Florida, February 1-4, 1998 [Poster Presentation]
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41. Dogan A, **Baskaya MK**, Dempsey RJ. Protective effects of Ifenprodil, NMDA receptor antagonist at polyamine site, on brain edema and blood-brain barrier breakdown after experimental brain injury. Congress of Neurological Surgeons Annual Meeting, Seattle, Washington, October 3-8, 1998 [Poster Presentation]
42. Hatcher JF, Rao AM, **Baskaya MK**, Dempsey RJ. Simultaneous assay of ornithine decarboxylase (ODC) and polyamines after central nervous system (CNS) injury. The 28th Annual Meeting of Society for Neuroscience. Los Angeles, California, November 7-12, 1998 [Poster Presentation]
43. Polin RS, Coenen VA, **Baskaya MK**, Kassel NF, Nanda A. Neurological improvement following neurointerventional management of vasospasm after subarachnoid hemorrhage. Joint Meeting of the AAANS/CNS Section on Cerebrovascular Surgery and American Society of Interventional and Therapeutic Neuroradiology, Nashville January 31-February 3, 1999 [Oral Presentation]
44. **Baskaya MK**, Menendez JA, Polin RS, Nanda A. Results of surgical treatment of intrasylvian hematomas due to ruptured intracranial aneurysms. The American Association of Neurological Surgeons. New Orleans, Louisiana April 24-29, 1999 [Poster Presentation]
45. Prasad SSVV, **Baskaya MK**, Polin RS, Willis BK, Nanda A. Traumatic injuries to carotid arteries. The 10th Annual Meeting of North American Skull Base Society, Chicago, Illinois, May 28-31, 1999 [Oral Presentation]
46. Prasad SSVV, **Baskaya MK**, Nanda A. Posterior skull base approaches to vertebrobasilar aneurysms. The 10th Annual Meeting of North American Skull Base Society. Chicago, Illinois, May 28-31, 1999 [Oral Presentation]

47. **Baskaya MK**, Prasad SSVV, Polin RS, Nanda A. Results of surgical treatment of basilar tip aneurysms: Louisiana State University-Shreveport Experience. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts. October 30-November 4, 1999 [Oral/Poster Presentation]
48. Prasad SSVV, **Baskaya MK**, Polin RS, Willis BK, Nanda A. The influence of cocaine on intracranial aneurysms: A meta-analysis of prognostic indicators. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts. October 30-November 4, 1999 [Oral Presentation]
49. Nanda A, Prasad SSVV, Polin RS, Shin CS, **Baskaya MK**, Willis BK. Cerebral ischemia as a prognostic indicator in the management of intracranial aneurysms. Congress of Neurological Surgeons Annual Meeting, Boston, Massachusetts. October 30-November 4, 1999 [Poster Presentation]
50. Menendez JA, **Baskaya MK**, Nanda A. Retrospective analysis of the metastatic spinal cord tumors, surgical versus medical treatment and prognosis. The American Association of Neurological Surgeons, San Francisco, California, April 8-13, 2000 [Poster Presentation]
51. Smith P, Shin PC, Polin RS, **Baskaya MK**, Menendez JA, Mangat M, Willis BK, Smith DR, Nanda A. Comparison of early displacement rate using titanium cages versus allograft bone after anterior cervical corpectomy. The American Association of Neurological Surgeons, San Francisco, California, April 8-13, 2000 [Poster Presentation]
52. Sathyanarayana S, **Baskaya MK**, Menendez JA, Nanda A. Role of early surgery on clinical outcome in patients with poor grade subarachnoid hemorrhage due to ruptured anterior circulation aneurysms. Congress of Neurological Surgeons Annual Meeting, San Antonio, Texas, September 23-28, 2000 [Poster Presentation]
53. **Baskaya MK**, Abumeri I, Coscarella E, Morcos JJ. Combined surgical approaches through the temporal bone: surgical anatomy, pitfalls and complications. Lessons learned in a series of 36 patients. The 12th Annual Meeting of North American Skull Base Society. Orlando, Florida, March 2-5, 2001 [Oral Presentation]
54. Dogan A, **Baskaya MK**, Vincent DA, Sathanarayana S, Nanda A. Far-lateral approach to intradural foramen magnum lesions without resection of the occipital condyle. The 12th Annual Meeting of North American Skull Base Society. Orlando, Florida, March 2-5, 2001 [Oral Presentation]
55. **Baskaya MK**, Azhari S, Heros RC. Unruptured aneurysms: changing attitude as a result of new data and new technology. The 63rd Annual Meeting of the American

- Academy of Neurological Surgery. West Palm Beach, Florida, November 14-17, 2001 [Oral Presentation]
56. **Baskaya MK**, Abumeri I, Coscarella E, Civantos F, Weed D, Morcos JJ. Combined craniofacial approaches to lesions involving anterior cranial fossa, paranasal sinuses, and the clivus. The 13th Annual Meeting of North American Skull Base Society. San Diego, California, February 16-19, 2002 [Oral Presentation]
 57. Coscarella E, **Baskaya MK**, Morcos JJ. An alternative extradural exposure to the anterior clinoid process: the superior orbital fissure as a surgical corridor. Anatomy, technical note, and clinical experience. The 13th Annual Meeting of North American Skull Base Society. San Diego, California, February 16-19, 2002 [Oral Presentation]
 58. Prusmack CJ, Jea AS, **Baskaya MK**, Weed D, Morcos JJ. Long-term survival with aggressive treatment in 3 immunocompromised patients with rhino-orbitocerebral fungal infections. The 13th Annual Meeting of North American Skull Base Society. San Diego, California, February 16-19, 2002 [Oral Presentation]
 59. **Baskaya MK**, Jea A, Villasuso E, Telischi FF, Weed D, Civantos F, Morcos JJ. Aggressive skull base resection of juvenile ossifying fibromas: the University of Miami experience in 4 patients and review of the world literature. The 14th Annual Meeting of North American Skull Base Society. Memphis, Tennessee, February 22-25, 2003 [Oral Presentation]
 60. Avci E, **Baskaya MK**. The Surgical Anatomy of the Anomalous Posterior Communicating Artery. The 3rd International Mt. Bandai Symposium for Neuroscience & the 4th Pan Pacific Neurosurgery Congress. Honolulu, Hawaii. February 22-28, 2003 [Oral Presentation]
 61. **Baskaya MK**, Cengiz P, Dempsey RJ. Secondary injury factors after traumatic brain injury: characterization of cortical impact brain injury model. The American Association of Neurological Surgeons, San Diego, California, April 26-May 1, 2003 [Poster Presentation]
 62. Javahery RJ, **Baskaya MK**, Ragheb J, Morcos JJ, Heros RC. Multidisciplinary treatment of arteriovenous malformations: Emphasis on complications and outcome. Congress of Neurological Surgeons Annual Meeting, Denver, Colorado, September 2003 [Oral Presentation]
 63. Izi Y, Moftakhar R, Pyle M, **Baskaya MK**. Retromandibular fossa approach to cervical internal carotid artery. The 18th Annual Meeting of the North American Skull Base Society. Chicago, Illinois, May 24-27, 2007 [Oral Presentation]

64. Izcı Y, Moftakhar R, **Baskaya MK**. Supracerebellar Transtentorial Transcollateral Sulcus Approach to the Atrium of the Lateral Ventricle. (accepted for digital poster presentation in CNS Annual Meeting 2007).
65. Izcı Y, Moftakhar R, **Baskaya MK**. Sulcal and Gyral Anatomy of the Orbitofrontal Cortex with its Arterial Supply and White Matter Fiber Connections. (accepted for digital poster presentation in CNS Annual Meeting 2007).
66. Aagard-Kienitz B, Nett B, Chen G-H, Bauer A, **Baskaya MK**. Percutaneous image guided intracranial surgical tool placement in a simulated brain tumor using flat panel cone-beam computed tomography (FP-CBCT) and digital fluoroscopy: a feasibility study. The 5th International Congress of the World Federation of Skull Base Societies and the 19th Annual Meeting of the North American Skull Base Society, September 11-14, 2008, Vancouver, Canada. [Oral Presentation]
67. Bauer A, Ates O, **Baskaya MK**. Microsurgical anatomy of the posterior spinal artery. The 5th International Congress of the World Federation of Skull Base Societies and the 19th Annual Meeting of the North American Skull Base Society, September 11-14, 2008, Vancouver, Canada. [Oral Presentation]
68. **Baskaya MK**, Liu Y, Seckin H, Izcı Y. Neuroprotection by Mesenchymal Stem Cells Derived From Human Embryonic Stem Cells in Focal Cerebral Ischemia in Rats Congress of Neurological Surgeons Annual Meeting, 2008 [Poster Presentation].
69. Seckin H, Ahmed A, Avci E, Pulfer K, Niemann DB, **Baskaya MK**. Imaging the vascular tree in cadaveric heads. The 2nd International Levantine Forum “Advances in Neurological Surgery”. November 13-16, 2008. Antalya, Turkey [Poster Presentation].
70. Arat A and **Baskaya MK**. Treatment Options for Intracranial Dissecting Aneurysms. The 23rd Turkish Neurosurgical Society Scientific Congress. April 17-21, 2009. Kyrenia, Cyprus [Oral Presentation].
71. Arat A, Medow J, **Baskaya MK**. Double origin of the posterior inferior cerebellar artery associated with dissecting aneurysm. The 23rd Turkish Neurosurgical Society Scientific Congress. April 17-21, 2009. Kyrenia, Cyprus [Poster Presentation].
72. Seckin H, Avci E, Uluc K, Bauer A, **Baskaya MK**. Craniofacial approaches to the midline skull base: Microsurgical anatomy with case illustrations. 20th Annual Meeting of North American Skull Base Society, New Orleans, October 16-18, 2009 [Oral Presentation].

73. Avci E, Seckin H, Uluc K, **Baskaya MK**. Fisch approaches to the infratemporal fossa. 20th Annual Meeting of North American Skull Base Society, New Orleans, October 16-18, 2009 [Oral Presentation].
74. Tatar L, Arat A, **Baskaya MK**. Fenestration and double origin of the posterior inferior cerebellar artery. British Association of Clinical Anatomists Winter Scientific Meeting. December 21, 2009. Southampton, England. [Oral Presentation].
75. Akture E, Arat A, Niemann D, Aagard-Kienitz B, Miranpuri A, **Baskaya MK**. Treatment of posterior inferior cerebellar artery aneurysms. The 24th Turkish Neurosurgical Society Scientific Congress. May 14-18, 2010. Belek-Antalya, Turkey [Oral Presentation].
76. Arat A, Ryuta Y, Niemann D, Aagard-Kienitz B, **Baskaya MK**, Strother CM. The 24th Turkish Neurosurgical Society Scientific Congress. May 14-18, 2010. Belek-Antalya, Turkey [Oral Presentation].
77. Turkoglu E, Kertmen H, Arat A, Patel N, **Baskaya MK**. Anterior communicating artery aneurysm associated with an infraoptic course of anterior cerebral artery and rare variant of the persistent trigeminal artery: a case report and literature review. The 24th Turkish Neurosurgical Society Scientific Congress. May 14-18, 2010. Belek-Antalya, Turkey [Poster Presentation].
78. Lake W, Salamat S, **Baskaya MK**. Imaging and histopathological characteristics of CNS post-transplant lymphoproliferative disorder. *Annual Meeting of Society of Neuro-oncology*. [Oral Poster Presentation].
79. Medow JE, Vermulen L, Johnson B, Angelini G, Zahed C, **Baskaya MK**, Ketzler J. Identifying and controlling exorbitant medication cost in the neuroscience intensive care unit. *Congress of Neurological Surgeons Annual Meeting, Oct. 16-Oct 21, 2010*. San Francisco, CA [Oral Presentation].
80. Medow JE, Osterby K, Kamps T, Zahed C, Angelini G, **Baskaya MK**, Jetzker H. Safe Early Deep Venous Thrombosis Chemoprophylaxis in Closed Head Injury. Congress of Neurological Surgeons. Oct. 16– Oct. 21, 2010. San Francisco, CA [Poster Presentation].
81. Medow JE, Lemrise A, Safdar N, Angelini G, Zahed, C, **Baskaya, MK**. Protocol Driven Ventriculostomy Placement and Management Results in Zero Infections Over a 1-Year Period. Congress of Neurological Surgeons. Oct. 16 – Oct. 21, 2010. San Francisco, CA [Poster Presentation].
82. Medow JE, Chesmore P, Safdar N, Zahed C, Angelini G, Ketzler J, **Baskaya MK**. Significant Reduction in Ventilator Associated Pneumonia Using

- Multimodality Prevention and Testing. Congress of Neurological Surgeons. Oct. 16-Oct 21, 2010. San Francisco, CA [Poster Presentation].
83. Avcı E, Dağtekin A, Öztürk AH, Kara E, Öztürk NC, Uluç K, Aktüre E, **Başkaya MK**. Anatomical variations of the foramen magnum, occipital condyle and jugular tubercle. The 5th International Symposium on Microneurosurgical Anatomy. Istanbul, Turkey, November 4-6, 2010 [Poster Presentation]
 84. Avcı E, Dağtekin A, Kara E, Uluç K, Aktüre E, **Başkaya MK**. Variations of the Vein of Labbé in Anatomical Dissections and 3D CT Angiograms. The 5th International Symposium on Microneurosurgical Anatomy. Istanbul, Turkey, November 4-6, 2010 [Poster Presentation]
 85. Dağtekin A, Avcı E, Uz mansel D, Kurtoglu Z, Kara E, Uluç K, Aktüre E, **Başkaya MK**. Revisiting the regional microsurgical anatomy and variations of the anterior clinoid process in relation to supra- and parasellar lesions. The 5th International Symposium on Microneurosurgical Anatomy. Istanbul, Turkey, November 4-6, 2010 [Poster Presentation]
 86. Kahilogullari G, Uz A, Eroglu U, Apaydin N, Yesilirmak Z, **Baskaya MK**, Egemen N. Does the sphenoid wing angle effect operation strategy? The 5th International Symposium on Microneurosurgical Anatomy. Istanbul, Turkey, November 4-6, 2010 [Poster Presentation]
 87. Miranpuri AS, Aktüre E, Uluc K, **Baskaya MK**, Niemann D. Method of validating middle cerebral artery occlusion stroke model with digital subtraction angiography in rodents. AANS/CNS Cerebrovascular Section Annual Meeting. Los Angeles, California, February 7-8, 2011 [Poster Presentation].
 88. Miranpuri AS, Aktüre E, Uluc K, Aagard_Kienitz B, Arat A, Niemann D, **Baskaya MK**. Circadian and climatic factors in the onset of aneurysmal subarachnoid hemorrhage versus non-aneurysmal perimesencephalic hemorrhage. AANS/CNS Cerebrovascular Section Annual Meeting. Los Angeles, California, February 7-8, 2011 [Poster Presentation].
 89. Madura CJ, Seckin H, Gubbels SP, Pyle MG and **Baskaya MK**. Spontaneous CSF leak due to clinically occult elevated ICP. 21st Annual Meeting of North American Skull Base Society, Scottsdale, AZ, February 18-20, 2011 [Oral Presentation].
 90. Turkoglu E, Seckin H, Ahmed A, Uluc K, Pulfer K, Arat A, Niemann D, Salamat S, **Baskaya MK**. Refining the cadaveric perfusion and angiography as a teaching tool: imaging intracranial vasculature in cadavers. European Association of Neurosurgery Training Course: Vascular Neurosurgery. Tallinn, Estonia, February 20-24, 2011. [Oral Presentation]

91. Ng J, Royalty K, Pulfer L, Al-Molani F, Akture E, Aagaard-Kienitz B, **Başkaya MK**, Strother C, Niemann D. Intravenous 3 Dimensional Digital Subtraction Angiography (IVDSA) for Assessment of Postoperative Intracranial Aneurysm Patients. World Federation of International Neurology Meeting. Cape Town, South Africa November 12-17, 2011 [Oral Presentation].
92. Ng J, Royalty K, Pulfer K, Al-Molani F, Akture E, Aagaard-Kienitz B, **Baskaya MK**, Strother C, Niemann D. Parametric Analysis of 2D Digital Subtraction Angiography for Pre/Post Evaluation of Vasospasm Treatment. World Federation of International Neurology Meeting. Cape Town, South Africa November 12-17, 2011 [Oral Presentation].
93. Miranpuri A, Ng J, Niemann D, Al-Molani F, Nickele C, Bauer A, **Baskaya MK**, Aagaard-Kienitz B. Angiographic Simulation using Silicone Models Improves Performance. World Federation of International Neurology Meeting. Cape Town, South Africa November 12-17, 2011 [Oral Presentation].
94. Akture E, Miranpuri A, Kujoth G, Consigny D, Aagaard-Kienitz B, **Baskaya MK**, Niemann D. Endovascular MCAO: A novel of middle cerebral artery occlusion model in rats. World Federation of International Neurology Meeting. Cape Town, South Africa November 12-17, 2011 [Oral Presentation].
95. Yoon H, Pikar K, Salamat S, Helenowski IB, Chandler J, Getch C, Batjer HH, Bendok B, Rosenow JM, **Baskaya MK**, Kuo J, Marymont MH, Mehta MP. Prognostic factors and outcome of atypical and anaplastic meningiomas with and without radiation. [Oral Presentation].
96. Gartrell B, Hansen MH, Gantz BJ, Gluth MB, **Baskaya MK**, Gubbels SP. Facial and lower cranial neuropathies after preoperative embolization of jugular foramen lesions with ethylene vinyl alcohol. American Neuro-otological Surgeons Annual Meeting. San Diego, CA April 2012. [oral presentation].
97. Ozgiray E, Akture E, Patel N, Baggot C, Bozkurt M, Niemann D, **Baskaya MK**. How reliable and accurate is Indocyanine green video angiography in the evaluation of aneurysm obliteration? The 26th Annual Meeting of Turkish Neurosurgical Society. Belek/Antalya, Turkey. April 20-24, 2012. [oral presentation]
98. Bozkurt M, Canbay S, Fidan E, Akture E, Salamat MS, **Baskaya MK**. Microsurgical anatomy of the dorsal thoracic rootlets and dorsal root entry zones. European Association of Neurosurgical Societies Annual Meeting. Bratislava, Slovakia. October 24-27, 2012. [oral presentation]
99. Bauer A, Uluc K, **Baskaya MK**. Management of clivus chordoma invading through dura to brainstem: A surgical video presentation. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd

International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012

100. Agrawal B, **Baskaya MK**. Microsurgical resection of tuberculum sellae meningioma with extradural clinoidectomy and optic unroofing. A surgical video presentation. The 8th International Congress on Meningiomas and Cerebral Venous System (ICOMCVS) and the 3rd International Symposium on the Cavernous Sinus (ISOCS), Little Rock, Arkansas, November 4-7, 2012
101. Comert A, Canbay S, Gurer B, Bozkurt M, Izci Y, **Baskaya MK**. Anatomical relationship of the lumbar and sacral spinal segments according to the lumbosacral spine. The 30th Annual Meeting of American Association of Clinical Anatomists. Denver, CO, USA. July 9-13, 2013 [oral presentation].
102. Ng J, Royalty K, Pulfer K, Al-Molani F, Aagard-Kienitz B, Strother C, **Baskaya MK**, Niemann D. Intravenous 3-dimensional digital subtraction angiography (3D ivDSA) for assessment of postoperative intracranial aneurysm patients. The 81st AANS Annual Meeting, New Orleans, La, April 29-May 1, 2013. [poster presentation].
103. Cikla U, Antar V, Gurer B, Neves G, **Baskaya MK**. Definition and examination of the brainstem safe entry zones with 4.7T magnetic resonance imaging and diffusion tractography. The 24th Annual North American Skull Base Society Meeting. San Diego, CA. February 14-16, 2014. [poster presentation]
104. Cikla U, Gurer B, Antar V, Bauer A, **Baskaya MK**. Intraoperative assessment of the posterior communicating artery and its branches by indocyanine-green videoangiography. 24th Annual North American Skull Base Society Meeting. San Diego, CA. February 14-16, 2014 [oral presentation]
105. Sandoval-Garcia C, Niemann DB, Ahmed A, Aagard-Kienitz B, Strother CM, **Baskaya MK**. 4D DSA: A new tool for evaluation and operative planning of complex arteriovenous malformations. The 82nd AANS Annual Meeting, San Francisco, CA, April 5-9, 2014. [poster presentation].
106. Uluc K, Cikla U, Swanson K, **Baskaya MK**. A novel technique of arachnoid retraction in microneurosurgical resection. North American Skull Base Meeting. Tampa, Florida. February 20-22, 2015. [poster presentation].
107. Cikla U, Salamat S, Arman A, **Baskaya MK**. Mapping of the Blood Supply of the Internal Capsule in Cadaveric Brain by a Novel Technique . Congress of Neurological Surgeons Annual meeting, September 26-30, 2015. New Orleans, La. [poster presentation].

108. Cikla U, Salamat S, **Baskaya MK**. The Sulci Variations of the Inferior Surface of the Temporal Lobe. Congress of Neurological Surgeons Annual Meeting, September 26-30, 2015. New Orleans, La. [poster presentation].
109. Kujoth G, Cikla U, **Baskaya MK**. Monitoring Ischemic Cerebral Injury in Spontaneously Hypertensive Rats by Diffusion Tensor Imaging. Congress of Neurological Surgeons Annual meeting, September 26-30, 2015. New Orleans, La. [poster presentation].
110. Riley SP, Nair VA, Holsworth R, **Baskaya MK**, Kuo JS, Meyerarnd ME, Prabhakaran V. Characterizing the relationship between lesion-activation distance using fMRI and verbal measures in brain tumor patients. [oral presentation]
111. Mukherje D, Antar V, Gurer B, Cikla U, Neves G, Ekici MA, Hananya T, Field AS, Salamat SM, **Baskaya MK**. Microsurgical anatomy of the brainstem safe entry zones: a cadaveric study with high-resolution magnetic resonance imaging and fiber tracking. Congress of Neurological Surgeons Annual Meeting, September 24-28, 2016. San Diego, LA. [oral presentation].
112. Chen YJ, Gangaputra S, Trane RM, Coburn J, Kennedy T, Li Y, Mikula A, **Baskaya MK**. Compare visual dysfunction in adult patients who lost vision from pituitary tumor and sphenoidal meningioma. North American Skull Base Society 27th Annual Meeting, March 3-5, 2017. New Orleans, La [poster presentation].
113. Peker HO, Eser P, Sahin B, Aydin I, Dinc C, Kanaliyev S, Cikla U, **Baskaya MK**. Surgical approaches for thalamic gliomas. XVI World Congress of Neurosurgery of the World Federation of Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [oral presentation].
114. Hanalioglu S, Sahin B, Cikla U, Keser N, Aydin I, **Baskaya MK**. Results of microsurgery for poor-grade aneurysmal subarachnoid hemorrhage in the endovascular era. XVI World Congress of Neurosurgery of the World Federation of Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [poster presentation].
115. Hanalioglu S, Sahin B, Cikla U, Kozan A, Aydin I, Peker HO, Dinc C, Ocak PE, Ocak U, **Baskaya MK**. Safety of perioperative aspirin use in brain tumor surgery: To stop or not to stop? XVI World Congress of Neurosurgery of the World Federation of Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [poster presentation].
116. Cikla U, Hanalioglu S, Sahin B, Aydin I, Dinc C, Ocak PE, Peker HO, **Baskaya MK**. Intracranial aneurysms and metabolic syndrome: Multiplicity and risk of rupture. XVI World Congress of Neurosurgery of the World Federation of

- Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [oral presentation].
117. Hanalioglu S, Aydin I, Sahin B, Dinc C, Ocak PE, Cikla U, **Baskaya MK**. Surgery for lesions of mediobasal temporal region: A clinical, radiological and anatomical study. XVI World Congress of Neurosurgery of the World Federation of Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [oral presentation].
 118. Aydin I, Hanalioglu S, Peker HO, Sahin B, Dinc C, Ocak P, Cikla U, **Baskaya MK**. A natural corridor to reach the lesions around the fourth ventricle: The tonsillouvular fissure approach. XVI World Congress of Neurosurgery of the World Federation of Neurosurgical Societies, August 20-25, 2017. Istanbul, Turkey [oral presentation].
 119. **Baskaya MK**. Results of Microsurgery for Poor Grade Aneurysmal Subarachnoid Hemorrhage in Endovascular Era. 79th Annual Scientific Meeting of the American Academy of Neurological Surgery. September 13-16, 2017. Santa Barbara, CA. [oral presentation]
 120. Ocak P, Digan I, Ocak U, Dinc C, **Baskaya MK**. Facial nerve outcome and extent of resection in cystic versus solid vestibular schwannomas in radiosurgery era: Is near-perfect possible? The 28th Annual Meeting of North American Skull Base Society. February 16-18, 2018. Coronado, CA. [oral presentation]
 121. **Baskaya MK**, Cikla U. Revascularization for cerebral ischemia: step by step demonstration of bonnet bypass. August 29th - September 3rd 2018, Prague, Czech Republic [oral presentation].
 122. **Baskaya MK**, Cikla U. Microsurgical obliteration of supraclinoid giant aneurysm via trapping and EC-IC bypass after failed flow diverting stenting. August 29th - September 3rd 2018, Prague, Czech Republic [oral presentation].
 123. Cikla U, Schmidt B, **Baskaya MK**. Combined transpetrosal and subtemporal approach for petroclival meningioma: microsurgical technique. August 29th - September 3rd 2018, Prague, Czech Republic [oral presentation].
 124. Cikla U, **Baskaya MK**. Microsurgical resection of Spetzler-Martin grade IV limbic AVM via interhemispheric approach. August 29th - September 3rd 2018, Prague, Czech Republic [oral presentation].
 125. Cikla U, **Baskaya MK**. Paramedian supracerebellar transtentorial approach for meningioma resection. August 29th - September 3rd 2018, Prague, Czech Republic [oral presentation].

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