

Prof. Akin Akakin, MD

Neurosurgery Department

Medical Park Göztepe Hospital, Istanbul

Education

Marmara University Medical Faculty – Medical Education

Marmara University Medical Faculty Neurosurgery Specialty Program - Specialty

Florida University Neurosurgery Neuroanatomy Doctoral Program

Medical Field of Interest and Activities

Molecular pathogenesis of AVMs, Angiogenesis in Cerebrovascular Malformations, Signaling Inhibition in Brain

Tumors evaluation, Neuroanatomy

Awards

1. Turkish Brain Research Society: "Brain Research Award" "Examination of angiogenetic potential differences of

AVM tissue in corneal angiogenesis model of rat, in human AVM tissue alone and human AVM tissue treated with

gamma-knife" , 2006

2. Synthes Neurosurgery Fellow of UF Florida 2010

3. SSCD derneği en iyi 15 bildiri ödülü 2010

4. Academia Euroasia Neurochirurgica Academy Award ,Mumbai, India, 2011

5. FSM Hospital Academy Award, 2011



Studies in the Medical Field

Research on ADHD (Attention Deficit Hyperactivity Disorder) and OCD (Obsessive Compulsive Disorder)

1995-1997: Child Psychiatry Department Faculty of Medicine, İstanbul-Turkey Mentor: Prof. Dr. Yankı Yazgan,

Director of Child Psychiatry Department

Studies in Neurosurgery Field

Basic theoretical and practical training in Gamma Knife Radiosurgery: 2002 +: physician from the Marmara

University Gamma-Knife Unit, Istanbul, Turkey Director: Prof. Dr M. Necmettin Pamir

Basic theoretical and practical training in Transcranial Doppler Ultrasonography: 2002 +: Transcranial Doppler

Unit and Research Program on Clinical Use of TCD (Marmara University)

Practical training and studying in Molecular Neurosurgery Laboratory

2002 : Molecular Neurosurgery Laboratory (Marmara University)

2011 : University of Florida Department of Neurosurgery Neuroanatomy Lab Fellowship (Director:Albert L Rhoton

Jr.)

Courses

1. Courses of Turkish Neurosurgical Societies : Cesme Turkey, 2002 - Kusadasi Turkey, 2003 - Kusadasi Turkey, 2004
2. Turkish Neurosurgery Society Neurooncologic Surgery Training Group Meetings
3. Surgical Approaches to Anterior Fossa and Orbita, University of Marmara, November December, 2002
4. "Cerebrovascular Malformations" University of Marmara, The Marmara Hotel, November 2004
5. 2nd International Symposium on Microneurosurgical Anatomy , Antalya, Turkey, October 2004
6. Turkish Neurosurgical Societies Pediatric Neurosurgery Group "Conjenital Spinal Malformations Hydrocephaly" Course Bursa, Turkey, October 2004

7. International workshop on Neurosurgical Endoscopy, İstanbul, Turkey, October 2005
8. Turkish Neurosurgical Society 17th. Scientific Congress, Antalya/ Turkey, May 2006
9. 3rd International Symposium on Microneurosurgical Anatomy, Antalya / Turkey, November 2006
10. Association of Nerve System Surgery 2nd Scientific Congress, İstanbul/ Turkey, November 2006
11. International Workshop on Neurosurgical Endoscopy, İstanbul, Turkey, October 2006
12. Turkish Neurosurgical Society Neurooncological Surgery Group (TUR-NOG) Symposium, İstanbul/ Turkey, December 2006
13. 2nd International Symposium on the Cavernous Sinus - 20 Years Later, Lubljana-Slovenia, September 2006
14. Turkish Neurosurgical Society, XXI. Scientific Congress, I.Training of Trainers Course, Antalya, Turkey, April 2007
15. World Federation Congress, Nagoya, JAPONYA 2009
16. AANS Congress Sandiego, USA, 2009
17. CNS Meeting Orlando, USA, 2009
18. Albert Rhoton Jr. Neuroanatomy and Microsurgery Courses Florida, USA February, 2010 (Faculty)
19. Albert Rhoton Jr. Neuroanatomy and Microsurgery Courses Florida, USA September, 2010 (Faculty)
20. Marmara University Microsurgical anatomy Courses Italy,2010 (Faculty)
21. Midas Course Microdrill Courses, Fork Worth, 2010
22. National Neuroscience Congress 2010
23. Rhoton Skullbase Courses Gainesville, Florida 2011 (Faculty)
24. Albert Rhoton Jr., Marmara University Neuroanatomy Lab Opening Symposium, 2010 (Faculty)
25. Osama Al-Mefthy, Marmara University Neuroanatomy Lab Cadaveric Courses, 2011 (Faculty)
26. Sinir sistemi cerrahisi derneği 2011 cesme, İzmir
27. International workshop on Neurosurgical Endoscopy October 6-7, 2005, Acibadem Hastanesi
28. International workshop on Neurosurgical Endoscopy November 2-3, 2006 Acibadem Hastanesi

29. 3rd International Symposium on Microneurosurgical Anatomy 5-8 November 2006, Antalya Turkey

30. Florida Resident Skull Base Course February 27-March 1, 2009 University of Florida, Gainesville, Florida

31. Microsurgical Approaches to the Brain, Ventricles, and Skull Base May 11-15 2009 The University of Florida

McKnight Brain Institute Gainesville, Florida, USA

32. Marmara Üniversitesi Nörolojik Bilimler Enstitüsü "Kafa tabanı cerrahisi kadavra kursu" WFNS (Dünya Nöroşirurji Cemiyetleri Federasyonu) 17-18 Haziran 2011, İstanbul

33. Microsurgical Approaches to the Brain, Ventricles, and Skull Base June 6-10 2011 The University of Florida McKnight Brain Institute Gainesville, Florida, USA

Researches and Publications

A- Scientific Articles Published in International Journals:

1. Konya D, Dagainar A, Akakin A, Gercek A, Ozgen S, Pamir MN. Cervical Meningocele Causing Symptoms in

Adulthood: Case Report and Review of the Literature. Journal of Spinal Disorders & Techniques 2006 Oct;19(7):531-3.

2. Arzu Gercek, Deniz Konya, Akin Akakin, Serdar Ozgen, M. Necmettin Pamir: Deep Venous Thrombosis In The

Early Postoperative Period Of Major Spine Surgery: A Case Report. The Internet Journal of Neurosurgery. 2006.

Volume 3 Number 2.

3. Kiliç T, Akakin A. Anatomy of cerebral veins and sinuses. Front Neurol Neurosci. 2008;23:4-15

2. Arzu Gercek, Deniz Konya, Akin Akakin, Serdar Ozgen, M. Necmettin Pamir: Deep Venous Thrombosis In The

Early Postoperative Period Of Major Spine Surgery: A Case Report. The Internet Journal of Neurosurgery. 2006.

Volume 3 Number 2.

4. Konya D, Gercek A, Akakin A, Akakin D, Tural S, Cetinel S, Ozgen S, Pamir MN: The effects of inflammatory

response associated with traumatic spinal cord injury in cutaneous wound healing and on expression of

transforming growth factor-beta1 (TGF-beta1) and platelet-derived growth factor (PDGF)-A at the wound site in

rats. Growth Factors. 2008 Apr;26(2):74-9

5. Dagcinar A, Konya D, Akakin A, Gercek A, Ozgen S, Pamir NM: Congenital dermal sinus of the cervical spine

in an adult. J Clin Neurosci. 2008 Jan;15(1):73-6

6. Akakin A, Ozkan A, Akgun E, Koc DY, Konya D, Pamir MN, Kilic T. Endovascular treatment increases but

gamma knife radiosurgery decreases angiogenic activity of arteriovenous malformations: an in vivo experimental

study using a rat cornea model. Neurosurgery. 2010 Jan;66(1):121-9; discussion 129-30.

7. Eksi M.S., Yener U., Akakin A., Akakin D., Konya D. Posterior epidural disc herniation at L3-L4 mimicking a

spinal tumor: a case report Journal of Neurosurg.Sciences 2010 June;54(2):71-5

8. Comparison of endoscopic transnasal and transoral approaches to the craniovertebral junction. Seker A, Inoue

K, Osawa S, Akakin A, Kilic T, Rhoton AL Jr. World Neurosurg. 2010 Dec;74(6):583-602.

B- Scientific Articles Published in National Journals:

1. Ozgen S, Konya D, Akakin A, Pamir MN "Surgical Results of Lumbar Symptomatic Synovial Cysts" Journal of

Istanbul Medical Faculty 67;1:17-23, 2004

2. Konya D, Akakin A, Ozgen S "The Treatment of Acute Spinal Cord Injury" Dirim (Monthly Medical Journal)

September-October 79;5: 11-15,2004

3. Akin Akakin, Aşkin Şeker, Albert L Rhoton Jr., Juan Carlos Fernandez Miranda "Lif Disseksiyon Tekniği"

University of Florida, Neurosurgery Department.7-17, June 2009,Volume

4. Endoskopik Endonasal Kafatabani Yaklaşımlarının Cerrahi Anatomisi Aşkin Şeker, Albert L Rhoton Jr., Kohei

Inoue, Akin Akakin, Jian Wang Department of Neurosurgery, University of Florida Gainesville, Florida, USA, 13-

20, December 2008, Volume 2

5. Kılıç T, Akakin A, Pamir MN, "Gamma-Knife Cerrahisi: Tekniği, Endikasyonları, Sonuçları, Sınırları", Türkiye

Klinikleri Journal of Surgical Medical Sciences, Nöroonkolojik Cerrahi Özel Sayısı II, Vol3, Sayı 51, 130-143, 2007

C- International Communiques:

1. Akakin A. "Presigmoid approach" Italy meeting.

2. Akakin A. "Anterior Petrosectomy" Italy meeting

3. Pamir MN, Kiliç T, Akakin A. Volume Changes Following Gamma-Knife Radiosurgery Of Low Grade Glial

Tumors Institute of Neurological Sciences, Marmara University, Department of Neurosurgery, Marmara University

Faculty of Medicine Istanbul-Turkey

4. Kiliç T., Akakin A., Pamir M.N. An Experience With Temozolomide For The Treatment Of High Grade Gliomas

Institute of Neurological Sciences, Marmara University, Department of Neurosurgery, Marmara University Faculty

of Medicine, Istanbul-Turkey

5. Kiliç T., Akakin A., Pamir M.N. Pcv Chemotherapy For Anaplastic Oligodendrogliomas And Oligoastrocytomas

Institute of Neurological Sciences, Marmara University Department of Neurosurgery, Marmara University Faculty of Medicine Istanbul-Turkey.

6. Kiliç T, Akakin A, Guduk M, Pamir MN Role of chromosome 1p 19q LOH in oligodendroglioma treatment and prognosis Institute of Neurological Sciences, Marmara University, Department of Neurosurgery, Marmara University Faculty of Medicine Istanbul-Turkey

7. Akakin A, Akgun E, Özkan A, Koc DY, Pamir MN, Kılıç T, "Endovascular Treatment Increases but Gamma-

Knife Radiosurgery Decreases Angiogenic Activity of AVMs: An In Vivo Experimental Study Using Rat Cornea Model". CNS Annual Meeting, New Orleans Louisiana USA, October 24-29, 2009,

8. Akakin A, Ozkan A, Akgun E, Koc DY, Konya D, Pamir MN, Kilic T. Endovascular Treatment Increases But Gamma-knife Radiosurgery Decreases Angiogenic Activity Of Avms: An In Vivo Experimental Study Using Rat Cornea Model AANS/CNS Cerebrovascular Section Meeting in San Antonio, Texas, February 22 – 23, 2010

9. Akakin A, Akgun E, Özkan A, Koc DY, Kılıç T, "Endovascular Treatment Increases but Gamma-Knife Radiosurgery Decreases Angiogenic Activity of AVMs: An In Vivo Experimental Study Using Rat Cornea Model" Annual Meeting in Philadelphia Pennsylvania Convention Center, May 1-5, 2010,

10. Akakin A, Şeker A, Morishita T, Kılıç T, S.Okun M, Jr Rhoton AL. "Anatomy of Subthalamic Nucleus With The Correlation of Deep Brain Stimulation", Moscone West Convention Center, CNS Annual Meeting, Sanfrancisco 16-21 October, 2010

11. Pamir MN, Kılıç T, Akakin A "Volume Changes Following Gamma-Knife Radiosurgery of Low Grade Glial Tumors" 5 th Meeting of The Asian Society For Neuro-Oncology, Hilton, İstanbul, Türkiye, 2-4 Kasım 2007

12. Kılıç T, Akakin A, Pamir MN "PCV Chemotherapy For Oligodendrogliomas and Ligoastrocytomas" 5 the Meeting of The Asian Society For Neuro-Oncology, Hilton, İstanbul, Türkiye, 2-4 Kasım 2007

13. Celebration of Rhoton-s 40 years, 2012