

Dr. Pınar Akdemir ÖZİŞİK, M.D., Ph.D.
Prof. of Neurosurgery

E-Mail Address :

Birth Place & Date : Denizli / 1970
Working Hours : Weekday: 08.30-18.00
Weekend: 8.30-13.00 (Saturday)

EDUCATION DETAILS AND CAREER

University : Hacettepe University, School of Medicine
Specialism Branch : Hacettepe University, Department of Neurosurgery
Ph.D. : Hacettepe University, Institute of Neurological Sciences and
Psychiatry, “Advanced Neurological Sciences” PhD Programme
:

PROFESSIONAL EXPERIENCE

2016- TOBB ETU School of Medicine, Research & Training Hospital, Ankara
2016- YIU School of Medicine, Ankara Koru Hospital, Neurosurgery Clinic. Professor
2012-2016 Ankara Koru Hospital, Neurosurgery Clinic. Associate Prof.
2010-2012 Ankara Child’s Health and Diseases, Hematology-Oncology Research and
Training Hospital, Neurosurgery Clinic. Associate Prof.
2007-2010 TDV 29 Mayıs Hospital, Ankara. Senior Surgeon
2006-2007 Hacettepe University, Dept. of Neurosurgery, Ankara. Assis. Prof.
2005- Virginia Commonwealth Uni., Medical College of Virginia, Dept. of Neurosurg.
Richmond, VA, USA. Research Fellow
2002-2003 Tel-Aviv Sourasky Medical Center, Dana Children’s Hospital affiliated to Tel-
Aviv University, Sackler Faculty of Medicine, Department of Pediatric
Neurosurgery. Tel-Aviv, Israel. Clinic Fellow
2001- University of Toronto, Hospital for Sick Children, Dept of Pediatric Neurosurg.
Toronto, Ontario, Canada. Observer
2000-2006 Hacettepe University, School of Medicine, Dept. of Neurosurg. Senior Surgeon

MEDICAL INTEREST FIELDS

Trauma: Brain, Spine and Spinal Cord traumas (hemorrhages, fractures,
antero/retro-listhesis)
Microneurosurgical Operations: Brain tumors, Vascular anomalies, Subarachnoid/
intracerebral hemorrhages (aneurysms, arteriovenous malformations), Spinal cord
tumors and hemorrhages
Epilepsy Surgery (including vagal nerve stimulation)
Endoscopic Surgeries: Pituitary and intraventricular tumors, cysts, hydrocephalus
Degenerative Spine Surgery (disc diseases, spondylolisthesis, spondylolysis, scoliosis,
kyphosis, spinal stenosis, enstrumentation/fusion operations)
Peripferal Nerve, Brachial Plexus Eksplorations: Birth injuries, traumas, cervical costa,
thoracic outlet synd., ads entrapment neuropathies (carpal tunel synd., ulnar palsy)
Brain/Spinal infections and abscess
Pediatric Neurosurgery:
Pre-natal (intrauterine) consultation

Intraventricular/periventricular hemorrhage in the newborn
Hydrocephalus treatment: V/P shunt, endoscopic 3rd ventriculostomy, aqueductoplasty
Open spinal dysraphisms: Encephalocele, meningocele, myelomeningocele,
lipomyeloschisis
Occult spinal dysraphisms: Tethered cord synd., dermal sinus, split cord malformation

ASSOCIATIONS AND INSTITUTIONS

International Associations:

EANS Individual member

Local Associations:

Turkish Neurosurgical Society,
Hacettepe Neurosurgical Society,
Developmental Child Neurology Association
Ankara Doctor's Association

CERTIFICATIONS

- 2015- International DBS Surgery&Microelectrode Recording Cadaver Course, Bahçeşehir University Medical College. İstanbul, Türkiye
- 2013- EANS, 16th Neurosurgical Societies Annual Meeting. Tel-Aviv, Israel
- 2013- Gamma-knife Course, Florence Nightingale Hospital. Gayrettepe, İstanbul, Türkiye
- 2013- Turkish Neurosurgical Society, Pediatric Neurosurgery Education and Training Group "Pediatric Neurosurgery Course-VI. Period, 1st Course". Duzce, Türkiye
- 2012- Turkish Neurosurgical Society Pediatric Neurosurgery Education and Training Group "Pediatric Neurosurgery Course-V. Period, 3rd Course". Manisa, Türkiye
- 2011- EANS, 14th European Congress of Neurosurgery. Rome, Italy
- 2011- V. International Workshop on Neurosurgical Endoscopy. İstanbul, Türkiye
- 2011- Turkish Neurosurgical Society, Pediatric Neurosurgery Education and Training Group, "Pediatric Neurosurgery Course-V. Period, 2nd Course". Konya, Türkiye.
- 2009- Hacettepe University, School of Medicine, "II. Course of Endoscopic Surgery of Sellar/Parasellar Region". Ankara, Türkiye
- 2009- T.C. Ankara Local Health Authority "New Steps in Organ Transplantation: Intensive Care Unit Course". Ankara, Türkiye
- 2009- Turkish Neurosurgical Society, "3. Education of Instructors Course". Gırmeli, KKTC
- 2008- Turkish Neurosurgical Society, Pediatric Neurosurgery Education and Training Group, "Tumors and Epilepsy". İstanbul, Türkiye
- 2006- Ege University, School of Medicine, Department of Neurosurgery, "7th Spinal Surgery

Training Course ”. Çeşme, Turkiye

2006- Hacettepe University, School of Medicine, Constant Medical Education Activities, “Anatomy and Surgery of Pituitary Gland”, Theoretical and Endoscopic-Microscopic Dissection Course, Ankara, Turkiye

2006- Turkish Neurosurgical Society, Education and Training Committee Research Course, “From ethic to research, from research to publication” Zonguldak, Turkiye

2006- Turkish Neurosurgical Society, “Current Concepts in Head Trauma Symposium” Zonguldak, Turkiye

2005- 2nd Pituitary Symposium. Ankara, Turkiye

2004- 2nd International Symposium on Microneurosurgical Anatomy. Antalya, Turkiye

2004- Hacettepe University, School of Medicine, Constant Medical Education Activities, “Anatomy of temporal bone and surgical approaches to CPA” Anatomical dissection course. Ankara, Turkiye

2001- The European Association of Neurosurgical Societies, Research Comittee Course “Methodology of Research and Publication” Antalya, Turkiye

2001- Turkish Neurosurgical Society, Young Neurosurgeons Committee I. Symposium. Istanbul, Turkiye

2000- Turkish Neurosurgical Society, Education and Training Committee, “Anatomy of Craniovertebral Junction and Surgical Approaches” Hands-on cadaver course. Ankara

2000- Turkish Neurosurgical Society, Autumn Symposium, “Cervical Disc Herniations”. Gaziantep, Turkiye

1999- World Federation of Neurosurgical Societies Training Course. Istanbul, Turkiye

RESEARCHES AND PUBLICATIONS

Please click the link for [researches and publications](#) of our physician.

1. H.H. Oruckaptan, **P. Akdemir**, T. Ozgen, “Isolated Sphenoid Sinus Abcess: Clinical and Radiological Failure in Preoperative Diagnosis”, *Surg Neurol.*, **53(2)**, 174-177 (2000).
2. H.H. Oruckaptan, **P. Ozisik**, N. Akalan, “Prolonged Cerebral Salt Wasting Syndrome Associated with the Intraventricular Dissemination of Brain Tumors”, *Ped Neurosurg.*, **33(1)**, 16-20 (2000).
3. **PA. Ozisik**, N. Akalan, S. Palaoglu, M. Topcu, “Medulloblastoma in a child with metabolic disease, L-2-Hydroxyglutaric aciduria”, *Pediatr Neurosurg.*, **37(1)**, 22-26 (2002).

4. A. Uzumcugil, A. Cil, M. Yazici, E. Acaroglu, A. Alanay, N. Akalan, **P. Ozisik**, A. Surat, "The efficacy of convex hemiepiphyodesis in patients with iatrogenic posterior element deficiency resulting from diastematomyelia excision", *Spine*, **28(8)**, 799-805 (2003).
5. FE. Deniz, B. Bilginer, **P. Ozisik**, "Eosinophilic Granuloma With Arachnoid Cyst: A case report", *Turk Neurosurg.*, **13(3-4)**, 118-121 (2003).
6. S. Inci, **P. Akdemir**, T. Ozgen, "Spinal dural arteriovenous fistula and venous aneurysm: An unusual association", *Surg Neurol.*, **60(4)**, 334-337, discussion 337-338 (2003).
7. M. Emir, K. Ozisik, K. Cagli, V. Bakuy, **P. Ozisik**, E. Sener, "Dural Sinus Thrombosis After Cardiopulmonary Bypass", *Perfusion*, **19**, 133-135 (2004).
8. J. Roth, **P. Ozisik**, S. Constantini, "Gamma probe localization of cranial bone lesions: technical note", *Surg Neurol.*, **61(6)**, 585-587 (2004).
9. M. Emir, K. Ozisik, K. Cagli, M. Misirlioglu, **P. Ozisik**, Z. Iscan, E. Yildirim, K. Kilinc, E. Sener, "Effect of erythropoietin on Bcl-2 gene expression in Rat Cardiac Myocytes After Traumatic Brain Injury", *Transplant. Proc.*, **36**, 2935-2938 (2004).
10. M.İ Ziyal, **P. Ozisik**, A. Akbay, C. Turk, B. Bakar, O.E. Ozcan, "Positional Neurological Improvement Following Sinking Skin Flap Syndrome" *Turk Neurosurg.*, **15(4)**, 200-202 (2005).
11. M. Emir, K. Ozisik, K. Cagli, **P. Ozisik**, S. Tuncer, V. Bakuy, E. Yildirim, K. Kilinc, K. Gol, "Beneficial effect of methylprednisolone on cardiac myocytes in a rat model of severe brain injury", *Tohoku J. Exp. Med.*, **207**, 119-124 (2005).
12. **P. Ozisik**, S. Inci, F. Soylemezoglu, H. Orhan, T. Ozgen, "Comparative dural closure techniques: A safety study in rats", *Surg Neurol.*, **65(1)**, 42-47 (2006).
13. E. Yildirim, K. Ozisik, **P. Ozisik**, M. Emir, E. Yildirim, K. Kilinc, "Protective Effects of Erythropoietin and Methylprednisolone on Lung Damage After Experimental Head Injury", *Türk Göğüs Kalp Damar Cerrahisi Dergisi*, **14**, 122-127 (2006).
14. **P. Akdemir Ozisik**, B. Hazer, I.M. Ziyal, O.E. Ozcan, "Spontaneous resolution of syringomyelia without Chiari Malformation" *Neurol Med Chir (Tokyo)* **46**, 516-521 (2006).
15. E. Yildirim, K. Ozisik, **P. Ozisik**, M. Emir, E. Yildirim, M. Misirlioglu, S. Tuncer, **K. Kilinc**, "Apoptosis-related gene bcl-2 in lung tissue after experimental traumatic brain injury in rats", *Heart Lung Circ.*, **15**, 124-129 (2006).
16. K. Ozisik, **P. Ozisik**, E. Yildirim, M. Misirlioglu, S. Tuncer, "Expression of antiapoptotic survivin and aven genes in rat heart tissue after traumatic brain injury", *Transplant. Proc.*, **38**, 2784-2787 (2006).
17. **P. Akdemir Ozisik**, H. Oruckaptan, P. Ozdemir Geyik, M. Misirlioglu, M.F. Sargon, K. Kilinc, T. Ozgen, "Effect of erythropoietin on brain tissue after experimental head trauma in rats", *Surg Neurol.*, **68(5)**, 547-555 (2007).

18. K. Okuno, K. Taya, CR. Marmarou, **P. Ozisik**, G. Fazzina, A. Kleindienst, S. Gulsen, A. Marmarou, “The modulation of aquaporin-4 by using PKC-activator (phorbol myristate acetate) and V1a receptor antagonist (SR49059) following middle cerebral artery occlusion/reperfusion in the rat”, *Acta Neurochir Suppl.*, **102**, 431-436 (2008).
19. S. Tez, A. Koktener, G. Guler, **P. Ozisik**, “Atypical Teratoid/Rhabdoid Tumors: Imaging Findings of Two Cases and Review of the Literature”, *Turk Neurosurg.*, **18(1)**, 30-34 (2008).
20. **PA. Ozisik**, I. Isikay, H. Oruçkaptan, F. Söylemezoğlu, OE. Ozcan, “Unusual massive spinal metastasis of an intracranial oligodendroglioma”, *Turk Neurosurg.*, **18(3)**, 276-280 (2008).
21. HH. Oruckaptan, **P. Ozisik**, P Atilla, M. Tuncel, K. Kilinc, PO. Geyik, N. Basaran, E. Yuksel ve OE. Ozcan, “Systemic Administration of Interleukin-10 Attenuates Early Ischemic Response Following Spinal Cord Ischemia Reperfusion Injury in Rats”, *J Surg Res.*, **155(2)**, 345-356 (2009).
22. **P. Akdemir Ozisik**, S. Ulkatan, S. Tellioglu ve B. Oc, “Intraoperative Evoked Potential Monitoring: Combined Usage of Evoked Potentials for a Tethered Cord Syndrome”, *BIDDER Tıp Bilimleri Dergisi*, **1(2)**, 21-26 (2009).
23. **P. Akdemir Ozisik**, M. Berker ve B. Onal, “A Case of Intracranial Hypotension Complicated With Hydrocephalus”, *Turk Neurosurg.*, 20(4), 550-556, (2010)
24. **P. Ozisik** J. Roth, L. Beni-Adani, S. Constantini. Continuous Spinal Drain following endoscopic third ventriculostomy: a proposal to change the definition of failure. *Childs Nerv Syst.* **27(11)**, 1973-1978 (2011)
25. MO Ozhan, MA Suzer, MB Eskin, C Caparlar, B Atik, Ozdener KM, **P Ozisik**, A Savas. The experience of anesthetic management for deep brain stimulation in the treatment of Parkinson’s disease: A retrospective clinical research. *J Anesthesia* **20(2)**, 86-91 (2012)
26. **P Özişik**, U Er. Pediatric Meningiomas. *Koru Proceedings* 2(3): 17-24, 2013
27. U Er, E Özeren, MO Akkurt, **P Özişik**. Do modic changes have predictive value for recurrence of lumbar disc herniation? *J Turkish Spinal Surgery* 24(4):275-278, 2013
28. VN Baş, SY Ağladioğlu, A Önder, **P Özişik**, HN Kendirci, S Çetinkaya, Z Aycan. Long-term follow-up of Cushing’s Disease: A case report. *J Clin Res Pediatr Endocrinol.*, 5(3):202-205, 2013
29. Ozdek A, Bayır O, Dönmez T, **Özişik P**, Sahin M, Tulgar M, Tatar EÇ, Korkmaz MH. Hearing restoration in NF2 patients and patients with estibular schwannoma in the only hearing ear: report of two cases. *Am J Otolaryngol.* Jul-Aug;**35(4)**:538-541, 2014.
30. **Pınar Özişik**, Mustafa Törü, Cem Denk, Özden Taşkiran, Begüm Gündoğmuş. CT-Guided Piriformis Muscle Injection for the Treatment of Piriformis Syndrome. *Turkish Neurosurg* 24(4):471-7, 2014

31. Sorar M, Er U, **Özışık P**, Özeren E, Şimşek S. The impact of antibiotic-impregnated catheters on ventriculoperitoneal shunt infection. Turk J Med Sci.2014;44(3): 393-6.
32. Algın O, Uçar M, Özmen E, Börcek AO, **Özışık P**, Ocakoğlu G, Tali ET. Assessment of third ventriculostomy patency with the 3D-SPACE technique: a preliminary multicenter research study. J Neurosurg. 2015 Apr 10: 1-9
33. **Pınar Akdemir Özışık**. Hydrocephalus: Prognosis and Follow-up. Turkiye Clinics, Hydrocephalus Special Issue, 2015, 5(1):83-86
34. Keskin G, Akın M, Özmert S, Kurt DT, Saydam S, Şenaylı YA, **Özışık P**, Bayram G, Tavil EB. Transient Neurological Complication During Central Venous Catheterization in a Child with Hyperleukocytosis. Turk J Ped Disease (DOI: 10.12956-/tjpd.2016.201), 2016

BOOK CHAPTERS

1. **Pınar Akdemir Özışık**, Nejat Akalan: Pediatric Central Nervous System Tumors. In: K Benli (Ed.), *Temel Nöroşirürji*. Hacettepe University Hospitals Press, Ankara 2004. Pp 218-257.
2. **Pınar Akdemir Özışık**, Nejat Akalan: Pediatric Traumas. In: K Benli (Ed.), *Temel Nöroşirürji*. Hacettepe Hacettepe University Hospitals Press,, Ankara 2004. Pp 258-266.

BOOK TRANSLATION

1. Handbook Of Neurosurgery-Sixth Edition
Chapter 10. Cerebrospinal Fluid
Chapter 32. Differential Diagnosis

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