

Prof. Serdar Baki Albayrak, MD

Neurosurgery

VM Medical Park Florya Hospital, Istanbul



Education

- (1991-1992, English preparatory school not included in the medical school training).
- 1991 – 1998 (Medical School) Marmara University Medical School, Istanbul (extended curriculum in English); M.D.
- 1998 – 2004 (Residency training) Department of Neurosurgery, Istanbul University Medical School
- 2005 (Assistant Professor)
- 2011 (Associate Professor)

Experience

- 2005 EANS Board
- 2006 Permanent USMLE Certification
- May 2006 – May 2007 Clinical Fellowship, Cerebrovascular Surgery- Helsinki University Medical School -Töölö Hospital-Helsinki, Finlandia
- July 2007 – July 2008 Clinical Fellowship, Brain Tumor Fellow- Harvard University Medical School - Brigham and Women's Hospital-Boston, USA

Membership

- Turkish Neurosurgical Society
- EANS

List of International Scientific Publications;

1. **Albayrak BS.**, Samdani AF. ve Black P., 'Intraoperative Magnetic Resonance Imaging in Neurosurgery' Acta Neurochir., 146(6):543-56, (2004).
2. **Albayrak BS.**, Ismailoglu O., Ilbay K., Yaka U., Tanriover G., Gorgulu A. ve Demir N., 'Doxorubicin for prevention of epineural fibrosis in a rat sciatic nerve model-Outcome based on the gross post-surgical, histopathological and ultrastructural findings', Journal of Neurosurgery:Spine (2009)- DOI: 10.3171/2009.9.SPINE09407.
3. **Albayrak BS**, Ismailoglu O, Tanriover G, Cetinalp E, Demir N. The double immunostaining of CD133 and Ki-67 favors a significant co-localization pattern in fibroblastic subtype of meningiomas. Polish Journal of Neurology and Neurosurgery,,45:467-473, 2011.

4. **Albayrak BS.**, Gorgulu A., ‘Persistent bilateral amaurosis in a child caused by damage to the calcarine cortex and the claustrum in contralateral hemispheres after a closed head injury’ J Trauma., 64(6):E81-2 (2008).
5. **Albayrak BS.**, Gorgulu A. ve Kose T., ‘A case of intra-dural malignant peripheral nerve sheath tumor in thoracic spine associated with neurofibromatosis type 1, J Neurooncol., 78(2):187-90, (2006).
6. **Albayrak BS.**, Sirin S., Arpaci F., Erdogan E. Long-term follow-up of a previously reported case of cerebellar aspergillosis with the implication of the potential therapeutic effect of intracavitary amphotericin B application. Neurosurgery. 67:E1469-70, (2010).
7. **Albayrak BS.** ve Gorgulu A., ‘Sudden cessation of respiration in a patient with a solitary metastatic focus of renal cell carcinoma in medulla oblongata’ J Neurooncol. 74(3):333, (2005).
8. **Albayrak BS.**, Gorgulu A. ve Kose T., ‘Cervical leptomeningeal and intramedullary metastasis of a cerebral PNET in an adult’, J Neurooncol., 74(3):339-40, (2005).
9. Altinoz MA., **Albayrak BS.**, Karasu A., Sabanci P., Imer M. ve Bilir A., ‘The effects of tibolone on the human primary glioblastoma multiforme cell culture and the rat C6 glioma model’, Neurological Research (2009). - DOI: 10.1179/174313209X385617.
10. Kabatas S., **Albayrak SB.**, Cansever T. ve Hepgul KT., ‘Microvascular decompression as a surgical management for trigeminal neuralgia: a critical review of the literature’ Neurology India, 57(2):134-8, (2009).
11. Gorgulu A., **Albayrak BS.**, Gorgulu E., Tural O., Karaaslan T., Oyar O. ve Yilmaz M., ‘Spinal epidural abscess due to Brucella’ Surgical Neurology, 66(2):141-6, (2006).
12. Gorgulu A. ve **Albayrak BS.**, ‘Giant intradiploic leptomeningeal cyst of the posterior fossa’, Acta Neurochir (Wien), 148(8):923-4, (2006).
13. Gorgulu A., **Albayrak BS.**, Gorgulu E. ve Tural O., ‘Postoperative cerebral abscess formation caused by Toxocara canis in a meningioma cavity’ J Neurooncol., 77(3):325-6, (2006).
14. Sahin B., **Albayrak BS.**, Ismailoglu O., Gorgulu A. The effects of medroxy progesterone acetate on the pro-inflammatory cytokines, TNF-alpha and IL-1beta in the early phase of the spinal cord injury. Neurol Res. 33:63-7, (2011).
15. İlbaý Konuralp., **Albayrak BS.**, İsmailoglu Ozgur., ve Gumustas S. Letter to the Editor - An Incidental Diagnosis of Four Adjacent Intracranial Sewing Needles in a 16-year-old Boy: A Survivor of an Infanticide Attempt? J. Forensic Sciences. DOI: 10.1111/j.1556-4029.2011.01729.x (2011).

16. İsmailođlu O , **Albayrak BS**. Letter to Editor- Concomitant existence of giant epidural supra and infratentorial metastatic osteosarcoma. Turkish Neurosurgery, Date Accepted: Apr 05, 2011.

17. Ismailoglu O, **Albayrak BS**, Ciris M. 'Huge Cystic Cerebral Metastasis of Small-cell Lung Carcinoma with a Mural Nodule Mimicking a Supratentorial Cystic Astrocytoma'. American Journal of the Medical Sciences. 342:520, 2011.

18. Ismailoglu O, **Albayrak BS**, Gulsen I, Tanriover G, Demir N. Topical Application of Tacrolimus Prevents Epidural Fibrosis in a Rat Postlaminectomy Model: Histopathological and Ultrastructural Analysis. Turkish Neurosurgery.; 21:630-3. DOI: 10.5137/1019-5149.JTN .4954-11.1, 2011.

19. Ilbay K, Ismailoglu O, **Albayrak BS**. Co-existence of bilateral fetal type posterior cerebral artery and the bilateral giant internal carotid artery aneurysms in an ataxic patient. Eur J Radiol. 2011 Apr 25.

20. Hernesniemi J., Romani R., **Albayrak BS.**, Lehto H., Dashti R., Ramsey C 3rd., Karatas A., Cardia A., Navratil O., Piippo A., Fujiki M., Toninelli S. ve Niemela M., 'Microsurgical management of pineal region lesions: personal experience with 119 patients' Surgical Neurology, 70(6):576-83, (2008).

21. Solmaz İ., Izci Y, **Albayrak BS**, Çetinalp E, Kural C, Şengül G, Göçmez C, Pusat S, Tüzün Y. Tethered Cord Syndrome in Childhood: Special Emphasis to the Surgical Technique and Review of the Literature with Our Experience. Turkish Neurosurgery, 21:516-

21. doi: 10.5137/1019-5149. JTN .4394-11.1, (2011).

22. Solmaz I, Cetinalp NE, Gocmez C, **Albayrak BS**, Kural C, Kaya S, Secer HI, Daneyemez M, Gonul E. Management outcome of peroneal nerve injury at knee-level: Experience of a single military institution. Polish Journal of Neurology and Neurosurgery, 45:461-466, (2011).

23. Hernesniemi J., Romani R., Dashti R., **Albayrak BS.**, Savolainen S., Ramsey C 3rd., Karatas A., Lehto H., Navratil O. ve Niemela M., 'Microsurgical treatment of third ventricular colloid cysts by interhemispheric far lateral transcallosal approach--experience of 134 patients' Surgical Neurology, 69(5):447-53 (2008).

24. Soyupek F., Koroglu M., Bozkurt HG., **Albayrak SB.**, Kaya O. ve Soyupek S., 'Diabetes Mellituslu bir vakada spinal ve psoas abseleri- Spinal and Psoas Abscesses in a patient with Diabetes Mellitus' -'Turkish Journal of Physical Medicine and Rehabilitation 56: 43-6, (2010).

25. Imer M., Omay B., Uzunkol A., Erdem E., Sabanci PA, Karasu A, **Albayrak BS**, Sencer A., Hepgul K. ve Kaya M., ' Effect of magnesium, MK-801 and combination of magnesium and MK-801 on blood-brain barrier permeability and brain edema after experimental

traumatic diffuse brain injury', *Neurological Research* (2009) -DOI: 10.1179/174313209X385617.

26. Dashti R., Hernesniemi J., Niemela M., Rinne J., Porras M., Lehecka M., Shen H., **Albayrak BS.**, Lehto H., Koroknay-Pal P., de Oliveira RS., Perra G., Ronkainen A., Kovisto T. ve Jaaskelainen JE., 'Microneurosurgical management of middle cerebral artery bifurcation aneurysms' *Surgical Neurology*, 67(5):441-56, (2007).

27. Dashti R., Hernesniemi J., Niemela M., Rinne J., Lehecka M., Shen H., Lehto H., **Albayrak BS.**, Ronkainen A., Kovisto T. ve Jaaskelainen JE., 'Microneurosurgical management of distal middle cerebral artery aneurysms' *Surgical Neurology*, 67(6):553-63, (2007).

28. Dashti R., Rinne J., Hernesniemi J., Niemela M., Kivipelto L., Lehecka M., Karatas A., Avcı E., Ishii K., Shen H., Pelaez JG., **Albayrak BS.**, Ronkainen A., Kovisto T. ve Jaaskelainen JE., 'Microneurosurgical management of proximal middle cerebral artery aneurysms' *Surgical Neurology*, 67(1):6-14, (2007).

29. Tokmak M., Sehitoglu MH., Yuksel Y., Guven M., Akman T., Aras AB., **Albayrak BS.**, Gömleksiz C., Yaka U., Cosar M., 'The axon protective effects of syringic acid on ischemia/reperfusion injury in a rat sciatic nerve' *Turkish Neurosurgery*, DOI: 10.5137/1019-149.JTN.14656-15.5 (2015).

30. Cetin NG., **Albayrak BS.**, Yolcu S., Senol N., Tomruk O. NT-Pro Brain Natriuretic Peptide: Is The New Indicator of Brain Edema?. *Hong Kong Journal of Emergency Medicine*, 21:167-171, (2014).

31. Atalay T, Ak H, Celik B, Gulsen I, Seckin H, Tanik N, **Albayrak SB.**, Bavbek M., 'Prognostic Factors in Oligodendrogliomas: a Clinical Study of Twenty-Five Consecutive Patients' *Asian Pacific Journal of Cancer Prevention*, 16:5319-23, (2015).

32. Oyar O, Ismailoglu O, **Albayrak B.**, 'Coexistence of occipital and infratorcular meningocele with cervical split cord anomaly' *Singapore Med J.*, 53(7):145-147, (2012).

33. Çetinalp NE, **Albayrak SB.**, İsmailoğlu Ö, Temiz NG, Solmaz İ, Tanrıöver G, Demir N, 'Topical Application of Cyclosporine Reduces Epineurial Fibrosis: Gross Postsurgical, Histopathological and Ultrastructural Analysis in a Rat Sciatic Nerve Model' *Turkish Neurosurgery*, DOI: 10.5137/10195149.

JTN.1787116.1, (2016).

Proceedings

1. Albayrak BS., Soyupek F. ve Gulsen I., 'Depressed vertex fracture resulting in hemiparesis-case report' , 5th World Congress of the International Society of Physical and Rehabilitation Medicine, p;835, İstanbul, 2009.
2. Albayrak BS., Soyupek F., Gulsen I., Borcak M. ve Saglam Halegul, 'Improvement of hemiplegia in an adult with Moyamoya disease-case report' , 5th World Congress of the International Society of Physical and Rehabilitation Medicine,p: 228, İstanbul, 2009.
3. Hernesniemi J., Dashti R., Albayrak B., Sillero R., Karatas A., Ishii K., Niemela M., Kivisaari R., Fujiki M., ve Shen H. 'Subtemporal approach to basilar tip aneurysms', (Proceedings of the 8th International Conference on Cerebrovascular Surgery: 27-34 2006-Taipei, TAIWAN)
4. Hernesniemi J., Dashti R., Albayrak B., Sillero R., Ishii K., Karatas A., Kivisaari R., Shen H.' Lehecka M., Piippo A. ve Niemela M. 'Microsurgery vs. coiling in cerebral aneurysms' (8th International Conference on Cerebrovascular Surgery, 2006-Taipei, TAIWAN).
5. Solmaz I, Izci Y, Duz B, Secer HI, Albayrak BS, Gonul E. 'Spinal injuries due to gunshot wounds'. (15th Annual Meeting- Euroacademia Multidisiplinaria, 2010-Antalya, TURKEY)
6. Solmaz I, Izci Y, Kural C, Secer HI, Albayrak BS, Gonul E. 'Traumatic brain injuries due to gunshot wounds'. (15th Annual Meeting- Euroacademia Multidisiplinaria, 2010-Antalya, TURKEY)

National Abstracts

1. **Albayrak BS.**, Soyupek F. ve Gulsen I., 'Depressed vertex fracture resulting in hemiparesis-case report' , 5th World Congress of the International Society of Physical and Rehabilitation Medicine, p;835, İstanbul, 2009.
2. **Albayrak BS.**, Soyupek F., Gulsen I., Borcak M. ve Saglam Halegul, 'Improvement of hemiplegia in an adult with Moyamoya disease-case report' , 5th World Congress of the International Society of Physical and Rehabilitation Medicine,p: 228, İstanbul, 2009.
3. Hernesniemi J., Dashti R., **Albayrak B.**, Sillero R., Karatas A., Ishii K., Niemela M., Kivisaari R., Fujiki M., ve Shen H. 'Subtemporal approach to basilar tip aneurysms', (Proceedings of the 8th International Conference on Cerebrovascular Surgery: 27-34 2006-Taipei, TAIWAN)
4. Hernesniemi J., Dashti R., **Albayrak B.**, Sillero R., Ishii K., Karatas A., Kivisaari R., Shen H.' Lehecka M., Piippo A. ve Niemela M. 'Microsurgery vs. coiling in cerebral aneurysms' (8th International Conference on Cerebrovascular Surgery, 2006-Taipei, TAIWAN).
5. Solmaz I, Izci Y, Duz B, Secer HI, **Albayrak BS**, Gonul E. 'Spinal injuries due to gunshot wounds'. (15th Annual Meeting- Euroacademia Multidisiplinaria, 2010-Antalya, TURKEY)

6. Solmaz I, IZCI Y, KURAL C, SEÇER HI, **Albayrak BS**, GONUL E. 'Traumatic brain injuries due to gunshot wounds'. (15th Annual Meeting- Euroacademia Multidisiplinaria, 2010-Antalya, TURKEY)