

CURRICULUM VITAE

İhsan SOLAROĞLU, MD., AiMHI

Associate Professor of Neurosurgery
Associate in Management of Health Institutions

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Dr. Solaroglu is currently working as a Neurosurgeon and academic staff at the Koç University, Department of Neurosurgery (Istanbul, Turkey). His clinical interest focuses on neurovascular surgery and neuro-endocrinologic surgery. Dr. Solaroglu's research focuses on hematopoietic growth factors in neuroprotection following experimental stroke, spinal cord injury, and traumatic brain injury.

His research has been published in high-level academic journals including Stroke, Neuroscience, and the Journal of Neuroscience Research. He has authored or co-authored well over 70 papers and has 50 presentations and more than 700 citations (h-index: 16). Dr. Solaroglu has been awarded (including Prof Raja Award for Young Neurosurgeon 2007, AACNS Young Neurosurgeon Award 2007) many times by different societies. He is the member of advisory board or reviewer of many scientific journals including Stroke, Experimental Neurology, Neurological Research, Acta Neurochirurgica, and Spine. Currently, Dr. Solaroglu is the Vice President of Turkish Neurosurgical Society.

PERSONAL DETAILS

Date / place of birth : June 29, 1971 / Eskişehir, Turkey
Nationality : Republic of Turkey

EDUCATION & TRAINING

1990-1996	Osmangazi University School of Medicine, Eskişehir, Turkey (Internship & MD)
1998-2004	Ankara Numune Research and Education Hospital, Department of Neurosurgery, Ankara, Turkey (Resident)
2005-2006	Loma Linda University, LLUMC, Neuroscience Research Laboratories, California, USA (Post-doc Research Fellow)
2008-2011	(Associate), Anadolu University, Management of Health Institutions, Eskişehir, Turkey

LANGUAGES

- Turkish: Excellent written and oral skills
- English: Very good written and oral skills

CLINICAL & RESEARCH INTERESTS

- Neuro-endocrinology, Neurovascular surgery
- Hematopoietic Growth Factors in Neuroprotection

Citations: (SCI & SCI-E)

Total: 720 (h-index: 16)

PROFESSIONAL EXPERIENCE

- Academic Staff, Neurosurgeon, Ankara Ataturk Research And Education Hospital, Ankara, Turkey (2004-2011)
- Neurosurgeon, VKV American Hospital, Dept. of Neurosurgery, Istanbul, Turkey (2011-)
- Associate Professor, Koç University, Dept. of Neurosurgery, Neuroscience Research Laboratories, Istanbul, Turkey (2011-)
- Adjunct Professor, School of Medicine, Department of Basic Sciences, Loma Linda University, CA, USA (2013)

VISITING POSITIONS

- Visiting Professor, University of Texas Health Sciences Center, Dept. of Neurosurgery, San Antonio, US, 2012.
- Visiting Professor, Louisiana State University Health Sciences Center, Dept. of Neurosurgery, Louisiana, US, 2012.

PROFESSIONAL SOCIETY MEMBERSHIPS

- Society of University Neurosurgeons (SUNs)
- European Associations of Neurosurgical Societies (EANS)
- International Brain Research Organization (IBRO)
- Federation of European Neurosciences (FENS)
- Neuroscience Society of Turkey (NST)
- Turkish Neurosurgical Society (TNS)
- Middle East Spine Society (MESpine)
- Turkish Spine Society (TOD)
- Asian Congress of Neurological Surgeons (ACNS)

BOARD CERTIFICATION

- EANS Part I of the European Examination in Neurosurgery
- Foreign Language Proficiency Examination for State Employees
- Interuniversity Board Foreign Language Examination
- Postgraduate Education Entrance Examination

EDITORIAL ACTIVITIES

- Editor, *Turkiye Klinikleri J Med Sci, special issue, "Vascular Neurosurgery"*
- Advisory Board, *Neurological Research*, 2009-
- Advisory Board, *Turkish Neurosurgery*, 2006-
- Advisory Board, *Türk Nörosirürji Dergisi*, 2006-
- Advisory Board, *Turkish Medical Journal*, 2009-
- Advisory Board, *Turkiye Klinikleri J Med Sci*, 2009-
- Advisory Board, *The Journal of Düşünen Adam*, 2010-

- Reviewer, *Stroke (AHA)*, 2005- 2006, 2010-
- Reviewer, *Experimental Neurology*, 2012-
- Reviewer, *Spine*, 2011-
- Reviewer, *Journal of Neural Regeneration Research*, 2006-
- Reviewer, *Acta Neurochirurgica*, 2008-
- Reviewer, *Spinal Cord*, 2010-
- Reviewer, *Turkish Journal of Medical Sciences*, 2010-

- Co-Editor, *Turkish Neurosurgical Society Bulletin (2009-2010)*

OTHER ACTIVITIES

- Chairman, Scientific Committee, World Federation of Neurosurgical Societies (WFNS 2017) Congress
- Member, Bylaws Committee of World Federation of Neurosurgical Societies (2013-)
- Vice President of Turkish Neurosurgical Society (2012-)
- Secretary of Turkish Neurosurgical Society (2010-2011)
- World Federation of Neurosurgical Societies (WFNS) Cerebrovascular Diseases & Therapy Committee Member (2011-)
- European Associations of Neurosurgical Societies -UEMS Delegate, 2011-
- Executive Committee Member of Turkish Neurosurgical Society (2009-2010)
- President of TNS International Basic Neurosurgery Course (2011-)
- Executive Committee Member of Middle East Spine Society (2011-)
- Executive Committee Member, Turkish Neurosurgical Society Neurovascular Surgery Education & Training Group (2009-)
- Past-President, Young Neurosurgeons Committee of Turkish Neurosurgical Society (2008-2009)

- Member of Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education & Training Group
- Member of Turkish Neurosurgical Society, Research and Development Committee
- Member of Turkish Neurosurgical Society, Research and Development Committee
- Member of Turkish Neurosurgical Society, ÖnceDüşün! (ThinkFirst) Committee
- Member of Turkish Neurosurgical Society, Neuro-oncology Education & Training Group

PATENTS

BUNDESREPUBLIK DEUTSCHLAND, Gebrauchsmusters Nr. 21 2001 000 105.2 Cement Injectable Transpedicular Screws, 29.04.2010 IPC A61B 17/86 (2006.01)

HONORS, AWARDS & SCHOLARSHIPS

- Turkish Neurosurgical Society, “Dr. Mahir Tevruz Research Award 2011”
- AACNS Young Neurosurgeon Award 2007, The 12th Asia-Australasian Society of Neurological Surgeons / 13th WFNS Interim Meeting.
- Prof Raja Award for Young Neurosurgeon, Certificate of Excellence 2007, The 12th Asia-Australasian Society of Neurological Surgeons / 13th WFNS Interim Meeting.
- Turkish Medical Association, Istanbul Medical Doctors Chamber, Medical Sciences Encouragement Award 2007
- Turkish Neurosurgical Society, “Traveling Scholarship 2007”
- Turkish Neurosurgical Society, “Study Abroad Scholarship 2005”
- Turkish Neurosurgical Society, “Dr. Yıldız Yalçınlar Research Award 2007”
- Turkish Neurosurgical Society, “Dr. Mahir Tevruz Research Award 2006”
- Turkish Neurosurgical Society, “Prof. Dr. Hamit Ziya Gökalp Research Award 2006”
- Turkish Neurosurgical Society, “Dr. Yıldız Yalçınlar Research Award 2004”
- “Selected presentation”. “Erythropoietin prevents ischemia-reperfusion induced oxidative damage in fetal rat brain.” 2nd World Congress of Perinatal Medicine for Developing Countries, Antalya, Turkey, Oct 1-5, 2002
- “Selected presentation”. Magnesium sulphate exerts neuroprotective effect on germinal neuroepithelium (multi-potent neural stem cells) after experimental transient intrauterine ischemia. IX. National Perinatology Congress, Ankara, Turkey, Oct 26-30, 2003

INVITED LECTURES, SPECIAL PRESENTATIONS & PANEL DISCUSSIONS

1. Neurosurgery in Turkey and Anatolia. 8th Black Sea Neurosurgical Congress, November 8-10, 2013, Tbilisi, Georgia.
2. CSF Leakage Following Spinal Surgery. 1st Congress of Southeast European Neurosurgical Society, Oct 31st-Nov 2nd, 2013, Belgrade, Serbia
3. How to convince the referee? TNS Young Neurosurgeons Symposium on "Basic Research", Sept 27-29, 2013, Cesme, Izmir
4. Ethics in clinical research and regulations. TNS Young Neurosurgeons Symposium. Sept 27-29, 2013, Cesme, Izmir
5. The role of granulocyte-colony stimulating factor and its receptor in human high-grade gliomas. 15th WFNS World Congress of Neurosurgery, Sept 8-13, 2013, COEX Convention Center, Seoul, Korea
6. Clinical Aspects of Brain Tumors. EMSA Summer School, August 26-31, 2013, Istanbul, Turkey.
7. How to convince the editor? 4th International Summer Course on Research Methodology in Health Sciences. June 24-July 5, 2013, Istanbul
8. Science, Art, and Neurosurgery. Yakindođu University, June 12, 2013, Cyprus
9. National Defensive Neurosurgery Practice. Turkish Neurosurgical Society, 27. National Congress, Antalya, Turkey, April 12-16, 2013.
10. Complications in Trans-sphenoidal Pituitary Surgery (Case Discussion & Video Presentation). International Basic Neurosurgery Course, Term I, Course II, Neuro-oncology, March 15-19, 2013, Antalya, Turkey.
11. The role of granulocyte-colony stimulating factor and its receptor in human high-grade gliomas. 2nd Annual meeting of Neurological Surgeons Society of India (NSSI), Jaipur, March 1-3, 2013, India
12. Current Concepts in Metabolic and Functional Imaging of Hemispheric Low Grade Gliomas in Adults. 2nd Annual meeting of Neurological Surgeons Society of India (NSSI), Jaipur, March 1-3, 2013, India
13. Current Concepts in Metabolic and Functional Imaging of Hemispheric Low Grade Gliomas in Adults, 9th Asian Congress of Neurological Surgeons, September 2-5, 2012, Istanbul, Turkey.
14. The Role of G-CSF and G-CSFR Receptors in Malignant Glioma, 9th Asian Congress of Neurological Surgeons, September 2-5, 2012, Istanbul, Turkey.
15. How to convince the editor? 3rd International Summer Course on Research Methodology in Health Sciences. July 9-13, 2012, Istanbul
16. Mobility preservation techniques for degenerative disc disease. 27^{ème} National Congrès Société Algérienne de Neurochirurgie & 5^{ème} Congrès Maghrébin de Neurochirurgie "Middle East Spine Society Panels". June 8-11, 2012, Algiers.
17. Transcortical-Transventricular Approach in Colloid Cysts of the Third Ventricle: surgical experience with 40 cases. University of Texas Health Sciences Center, Neurosurgery Grand Rounds, April 13, 2012, San Antonio, US.
18. Transcortical-Transventricular Approach in Colloid Cysts of the Third Ventricle: surgical experience with 40 cases. Louisiana State University Health Sciences Center, Neurosurgery Grand Rounds, March 22, 2012, Louisiana, US.

19. Cerebral Herniation Syndromes. International Basic Neurosurgery Course, Term I, Course I, Neurotrauma & Functional Neurosurgery, March 14-17, 2012, Antalya, Turkey.
20. Superficial landmarks on skull and urgent intervention locations. International Basic Neurosurgery Course, Term I, Course I, Neurotrauma & Functional Neurosurgery, March 14-17, 2012, Antalya, Turkey.
21. Acute epidural & subdural hematomas: Description, etiology, management, and outcome, Term I, Course I, Neurotrauma & Functional Neurosurgery, March 14-17, 2012, Antalya, Turkey.
22. Cerebral spinal fluid leaks after spinal surgery. 1st Middle East Spine Meeting, Dec 7-9, Barbaros Point Hotel, Istanbul, 2011.
23. Molecular mechanisms of angiogenesis. Turkish Neurosurgical Society, Neurovascular Surgery Education and Training Committee, Symposium on "AVMs", Pine Bay Hotel, Kusadasi, Aydın, Nov 25-27, 2011.
24. Combined treatment modalities in AVMs. Turkish Neurosurgical Society, Neurovascular Surgery Education and Training Committee, Symposium on "AVMs", Pine Bay Hotel, Kusadasi, Aydın, Nov 25-27, 2011.
25. CSF Leakage following spinal surgery; The ATA and its surgical importance, 1st Anatolian-Asian Neurosurgical Friendship Meeting, Feb 18-20, İstanbul, 2011.
26. Panelist, "The training, certification and requirements in endovascular procedures." Turkish Neurosurgical Society, 25. National Congress, Antalya, Apr 22-26, 2011.
27. Case Discussion, "Treatment options in basilar tip aneurysms: endovascular treatment", Turkish Neurosurgical Society, 25. National Congress, Antalya, Apr 22-26, 2011.
28. How to convince a peer reviewer? 2nd Middle East Neurosurgical Symposia, Jan 26-28, Cairo, Egypt, 2011.
29. How to convince a peer reviewer? VIIIth Panarab Neurosurgical Society Congress, Algiers, November 26-29, 2010
30. Case Presentation, Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education and Training Committee, Symposium on "Complication and Revision in Spinal Surgery", Antalya, Oct 28-31, 2010.
31. Invited Lecture, "No dream is too big enough!", Eskisehir Osmangazi University, Opening ceremony and an orientation activity to new medical students, Eskisehir, Sept 14, 2010.
32. Invited Lecture, "Motion Segment", Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education & Training Group, Summer School 2010, July 1-4, Anemon Otel, Eskisehir
33. Panelist, "Endovascular treatment of AVM's", Turkish Neurosurgical Society, 24. National Congress, Antalya, May 14-18, 2010
34. Panelist, "SGK, Reimbursement system in Turkey, problems and solutions", Turkish Neurosurgical Society, 24. National Congress, Antalya, May 14-18, 2010
35. Invited Lecture, "Transcortical-transventricular approach in colloid cysts of the third ventricle", 1st Middle East Neurosurgical Symposia, April 8-11, Istanbul, 2010.

36. Panel Discussion Moderator: İhsan Solaroğlu (Turkey) "Intracranial aneurysms: Open surgery vs. Coils" 6th Black Sea Neurosurgical Congress, Istanbul, October 16 - 18, 2009.
37. Panelist, "Molecular Neuro-oncology, Importance of Molecular Factors on Prognosis", Turkish Neurosurgical Society, 23. National Congress, Girne, Cyprus, April 17-21, 2009
38. Invited Lecture, "Management of Aneurysmal Subarachnoid Hemorrhage" Chongqing International Conference on Neurovascular Surgery and Vasospasm, October 24-27, 2008, Chongqing, China
39. Invited Lecture, Ankara High Grade Glial Tumors Meeting, "Future Terapies in High Grade Glial Tumors", Ankara Hilton Otel, May 5, 2007, Ankara, Turkey
40. "Reviewing a Manuscript", Turkish Neurosurgical Society, Research Course for Neurosurgery Residents, May 22-25, 2008, Zonguldak, Turkey
41. Panelist, "From Hypothesis to Manuscript: Experimental Research", Turkish Neurosurgical Society, 21. National Congress, Antalya, Turkey, April 20-24, 2007
42. Special Presentation, "Role of glial cells in cerebral ischemia", LLUMC, Neuroscience Research Lab., Mortensen Hall, Loma Linda, CA, Feb 10, 2006
43. Special Presentation, "Neural stem cells", LLUMC, Neuroscience Research Lab., Mortensen Hall, Loma Linda, CA, Oct 28, 2005

CONGRESS & COURSES ATTENDED

1. 8th Black Sea Neurosurgical Congress, Nov 8-10, 2013, Tbilisi, Georgia.
2. 1st Congress of Southeast European Neurosurgical Society, Oct 31st-Nov 2nd, 2013, Belgrade, Serbia
3. TNS Young Neurosurgeons Symposium on "Basic Research", Sept 27-29, 2013, Cesme, Izmir
4. Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education and Training Committee, Symposium on "Case Discussions", Sept 27-29, 2013, Cesme, Izmir
5. 15th WFNS World Congress of Neurosurgery, Sept 8-13, 2013, COEX Convention Center, Seoul, Korea
6. 2nd Middle East Spine Meeting. May 16-19, 2013, Çeşme, Turkey
7. Turkish Neurosurgical Society, 27. National Congress, Antalya, April 12-16, 2013.
8. International Basic Neurosurgery Course, Term I, Course II, Neuro-oncology, March 15-19, 2013, Antalya, Turkey.
9. 2nd Annual meeting of Neurological Surgeons Society of India (NSSI), Jaipur, March 1-3, 2013, India
10. 9th Asian Congress of Neurological Surgeons, September 2-5, 2012, Istanbul, Turkey
11. 27^{ème} National Congrès Société Algérienne de Neurochirurgie & 5^{ème} Congrès Maghrébin de Neurochirurgie "Middle East Spine Society Panels". June 8-11, 2012, Algiers.
12. Turkish Neurosurgical Society, 26. National Congress, Antalya, April 20-24, 2012.
13. 46th Society of University Neurosurgeons Meeting, Atlanta, Georgia, March 18-21, 2012.

14. International Basic Neurosurgery Course, Term I, Course I, Neurotrauma & Functional Neurosurgery, March 14-17, 2012, Antalya, Turkey.
15. 1st Middle East Spine Meeting, Dec 7-9, Barbaros Point Hotel, Istanbul, 2011.
16. Turkish Neurosurgical Society, Neurovascular Surgery Education and Training Group Symposium on "AVMs", Pine Bay Hotel, Kusadasi, Aydın, Nov 25-27, 2011.
17. Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education and Training Group Symposium on "Treatment Principles of Spinal Traumas", Dalaman Hilton Congress Center, Dalaman, Mugla, Oct 9-12, 2011.
18. The 45th SUN (Society of University Neurosurgeons) Annual Meeting, Istanbul, Turkey, June 23-26, 2011
19. Neurotrauma and Vascular Neurosurgery, Joint EANS Annual Meeting - 4th World ICH Conference, Newcastle, UK, May 2-5, 2011
20. Turkish Neurosurgical Society, 25. National Congress, Antalya, Turkey, April 22-26, 2011
21. 1st Anatolian-Asian Neurosurgical Friendship Meeting, Feb 18-20, Istanbul, 2011
22. VIIIth Panarab Neurosurgical Society Congress, Algiers, November 26-29, 2010
23. The 8th Asian Congress of Neurological Surgeons (ACNS 2010), Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia, Nov 22-24, 2010
24. Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education and Training Committee, Symposium on "Complication and Revision in Spinal Surgery", Antalya, Oct 28-31, 2010
25. Neurosurgeon as CEO, The Westin at Times Square, New York, Aug 7-8, 2010.
26. Turkish Neurosurgical Society, Spinal and Peripheral Nerve Surgery Education and Training Committee, Summer School 2010, Anemon Otel, Eskisehir, July 1-4, 2010.
27. Turkish Neurosurgical Society, 24. National Congress, 2nd Korean-Turkish Neurosurgeons Friendship Joint Meeting, Antalya, May 14-18, 2010.
28. World Spine V., Santorini, Greece, May 7-9, 2010.
29. 1st Middle East Neurosurgical Symposia, Istanbul, April 8-11, 2010.
30. Turkish Neurosurgical Society, Symposium on "Uncommon Neurovascular Pathologies" Hatay, Nov 7-8, 2009
31. Turkish Neurosurgical Society, Symposium on "Glial Tumors, Pituitary Adenomas, Meningiomas", Istanbul, December 25-26, 2009
32. 6th Black Sea Neurosurgical Congress, Istanbul, October 16 - 18, 2009.
33. Turkish Neurosurgical Society, Symposium on "Cervical Degenerative Disc Disease", Nevsehir, October 8-11, 2009
34. XIV World Congress of Neurological Surgery, Hynes Convention Center Boston, USA, August 30-Sep 4, 2009
35. Turkish Neurosurgical Society, 23. National Congress, Girne, Turkish Republic of Northern Cyprus, April 17-21, 2009
36. 10th Workshop on Endoscopic transsphenoidal surgery: from pituitary to skull base surgery. Bologna, Italy, March 9-10, 2009
37. The 1st Turkish-Korean Joint Meeting, Seoul, Korea, Oct 15-18, 2008.
38. The 12th Asia-Australasian Society of Neurological Surgeons / 13th WFNS Interim Meeting. Nagoya, Japan, November 18-21, 2007
39. EANS European Congress of Neurosurgery, Glasgow, UK, Sept 2-7, 2007
40. IBRO International Congress of Neuroscience, Melbourne, AU, July 12-17, 2007

41. EANS (The European Association of Neurosurgical Societies) The European Course in Neurosurgery on "Vascular Neurosurgery", Lisbon, Portugal, June 17-21, 2007
42. Turkish Neurosurgical Society, Course on the "Training of Trainers", Antalya, Turkey, Apr 20, 2007
43. Turkish Neurosurgical Society, 21. National Congress, Antalya, Turkey, April 20-24, 2007
44. Turkish Neurosurgical Society, Symposium on "Spine Tumors", Antalya, Turkey, Nov 18-21, 2007
45. Turkish Neurosurgical Society, Neuro-oncologic Surgery Education and Training Group Symposium on "Techniques in Neuro-oncologic surgery and anatomical approaches", Izmir, Turkey, Sep 28-29, 2007
46. Turkish Neurosurgical Society, Symposium on "Spinal and Peripheral Nerve Surgery", Antalya, Turkey, Nov 2-5, 2006
47. Turkish Neurosurgical Society, Skull Base Surgery Education and Training Group, Symposium on "Acoustic Neuroma", Istanbul, Turkey, Dec 3, 2006
48. Turkish Neurosurgical Society, Neuro-oncologic Surgery Education and Training Group, Symposium, Istanbul, Turkey, Dec 1-2, 2006
49. EANS (The European Association of Neurosurgical Societies) The European Course in Neurosurgery on "Pediatric Neurosurgery and Tumor", Bratislava, Slovakia, August 26- Sept 1, 2006
50. 9th International conference on cerebral vasospasm. Istanbul, Turkey, June 27-30, 2006
51. EANS (The European Association of Neurosurgical Societies) The European Course in Neurosurgery on "Spinal and Peripheral Nerve Surgery", Budapest, Hungary, February 20-26, 2004
52. Turkish Neurosurgical Society, 18. National Congress, Antalya, Turkey, May 22-26, 2004
53. EANS (The European Association of Neurosurgical Societies) The European Course in Neurosurgery on "Head Injury and Functional Neurosurgery", Bonn, Germany, February 2-6, 2003
54. Turkish Neurosurgical Society, 17. National Congress, Antalya, Turkey, May 20-24, 2003
55. Turkish Neurosurgical Society, Course on "Stereotactic Neuronavigation", Antalya, Turkey, May 20-24, 2003
56. IV. International Congress on Cerebral Venous System, Istanbul, Turkey, June 4, 2002
57. IV. International Congress on Meningiomas, Istanbul, Turkey, June 5-6, 2002
58. Turkish Neurosurgical Society, 16. National Congress, Istanbul, Turkey, June 7-8, 2002
59. Turkish Neurosurgical Society, Symposium on "Spinal Fusion", Eskisehir, Turkey, Oct 3-6, 2002
60. Turkish Neurosurgical Society, Training Course on "Spinal and Peripheral Nerve Surgery", Izmir, Turkey, March 12-17, 2002
61. Florence Nightingale Hospital, Department of Orthopedics and Traumatology-Turkish Association of Orthopedics and Traumatology, Course on "Principles of CD Horizon Instrumentation", Istanbul, Turkey, Apr 28, 2001

62. Turkish Neurosurgical Society, 15. National Congress, Antalya, Turkey, May 22-26, 2001
63. Turkish Neurosurgical Society, Symposium on "Hydrocephalus", Aydin, Turkey, Nov 1-4, 2001
64. Ankara Numune Research and Education Hospital, Course on "Forensic Medicine" Ankara, Turkey, May 4-5, 2000

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

1. **Solaroglu I**, Digicaylioglu M, Keles GE, Zhang JH. New missions for an old agent: Granulocyte-colony Stimulating Factor in the Treatment of Stroke Patients. *Curr Med Chem*, in press.
2. Algin O, Gundogdu G, Izdes S, Keles GE, **Solaroglu I**. Diagnosis of brain death by orbital Doppler ultrasound: A comparative research study. *Turk Neurosurg*, DOI: 10.5137/1019-5149.JTN.8910-13.1
3. **Solaroglu I**, Acar F, Bavbek M, Ture U, Beskonakli E. The history of neurosurgery in Anatolia and Turkey: the Turkish Neurosurgical Society. *World Neurosurg*. 79(1):16-24, 2013.
4. **Solaroglu I**, Algin O, Caylak B, Keles GE. Bronchogenic cyst of the craniocervical junction: a case report. *Turk Neurosurg*, DOI: 10.5137/1019-5149.JTN.7909-13.1
5. Aydin AL, Sasani M, Oktenoglu T, **Solaroglu I**, Ozer AF. A Case of Chordoma Invading Multiple Neuroaxial Bones: Report of Ten Years Follow Up. *Turk Neurosurg*. 2013;23(4):551-6.
6. Stemmler N, **Solaroglu I**, Aydin AL, Gomleksiz G, Sasani M, Oktenoglu T, Ozer AF. Unusual pain due to unilateral facet degeneration at C1-2 level. *Turk Neurosurg*, in press.
7. Esencan E, Yuksel S, Tosun YB, Robinot A, **Solaroglu I**, Zhang JH. XENON in medical area: emphasis on neuroprotection in hypoxia and anesthesia. *Med Gas Res*. 1;3(1):4, 2013.
8. Yuksel S, Tosun YB, Cahill J, **Solaroglu I**. Early Brain Injury Following Aneurysmal Subarachnoid Hemorrhage: emphasis on cellular apoptosis. *Turk Neurosurg*, 22(5):529-33, 2012.
9. Okutan O, **Solaroglu I**, Karakus M, Saygili B, Beşkonaklı E. Metastatic Thyroid Carcinoma with Initial Presentation as Spinal Cord Compression. *Journal of Neurological Sciences-Turkish*, 29(4): 857-862, 2012.
10. Okutan O, **Solaroglu I**, Ozen O, Saygili B, Beşkonaklı E. Tenosynovial Giant Cell Tumor in the Cervico-Thoracic Junction. *Turk Neurosurg*, 22(6):769-71, 2012.
11. **Solaroglu I**, Okutan O, Beskonakli E. The ATA and its surgical importance: A newly described ligament lying between the dural sac and the ligamentum flavum at the L5 level. *Spine*, 36(16):1268-72, 2011.
12. **Solaroglu I**, Zhang JH. The MicroRNAs: small size, big value. *Surg Neurol Int*, 1:45, 2010.

13. **Solaroglu I**, Cahill J, Tsubokawa T, Beskonakli E, Zhang JH. Granulocyte colony-stimulating factor protects the brain against experimental stroke via inhibition of apoptosis and inflammation. *Neurol Res*, 31(2):167-72, 2009.
14. **Solaroglu, I.**, Zhang JH. The neurosurgical role of epigenome. *Surg Neurol*, 71(2):159-60, 2009.
15. Guerra-Crespo M, Gleason D, Sistos A, Toosky T, **Solaroglu I**, Zhang JH, Bryant PJ, Fallon JH. Transforming Growth Factor-alpha Induces Neurogenesis and Behavioral Improvement in a Chronic Stroke Model. *Neuroscience*, 160(2):470-83, 2009.
16. Seçkin H, Simşek S, Oztürk E, Yigitkanli K, Ozen O, Beşalti O, **Solaroğlu I**, Bavbek M. Topiramate attenuates hippocampal injury after experimental subarachnoid hemorrhage in rabbits. *Neurol Res* 31(5):490-5, 2009.
17. **Solaroglu I**. Molecular Mechanisms of Early Brain Injury After Subarachnoidal Hemorrhage *Turkiye Klinikleri J Neurosurg-Special Topics* 2(2):22-8, 2009.
18. **Solaroglu I**, Zhang JH. Commentary on “*N-acetylcysteine prevents vasospasm after subarachnoid hemorrhage*”. *Surg Neurol*, 2009 Aug 6. [Epub ahead of print]
19. **Solaroglu I**, Okutan O, Karakus M, Saygili B, Beskonakli E. Dysphagia due to diffuse idiopathic skeletal hyperostosis of cervical spine. *Turk Neurosurg*, 18(4):409-11, 2008.
20. **Solaroglu I**, Jadhav V, Zhang JH. Neuroprotective effect of Granulocyte-Colony Stimulating Factor. *Front Biosci*, 12:712-24, 2007
21. Tsubokawa T, Jadhav V, **Solaroglu I**, Zhang JH. Lecithinized Superoxide Dismutase Improves Outcomes and Attenuates Focal Cerebral Ischemic Injury via Antiapoptotic Mechanisms in Rats. *Stroke*, 38(3):1057-62, 2007
22. Okutan O, **Solaroglu I**, Beskonakli E, Taskin Y. Recombinant human erythropoietin decreases myeloperoxidase and caspase-3 activity and improves early functional results after spinal cord injury in rats. *J Clin Neurosci*, 14(4):364-8, 2007
23. Jadhav V, **Solaroglu I**, Zhang JH. Neuroprotection against Surgically-induced Brain Injury. *Surg Neurol*, 67(1):15-20, 2007
24. Gok HB, **Solaroglu I**, Okutan O, Cimen B, Kaptanoglu E, Palaoglu S. Metoprolol treatment decreases tissue myeloperoxidase activity after spinal cord injury in rats. *J Clin Neurosci*, 14(2):138-42, 2007
25. **Solaroglu I**, Cahill J, Jadhav V, Zhang JH. A novel neuroprotectant Granulocyte-Colony Stimulating Factor. *Stroke*, 37(4):1123-8, 2006
26. **Solaroglu I**, Tsubokawa T, Cahill J, Zhang JH. Anti-apoptotic effect of Granulocyte-Colony Stimulating Factor after focal cerebral ischemia in the rat. *Neuroscience*, 143 (4):965-74, 2006
27. **Solaroglu I**, Cahill J, Jadhav V, Zhang JH. Response to Letter by Schabitz et al. *Stroke*, 37(7): 1655, 2006
28. Tsubokawa T, **Solaroglu I**, Yatsushige H, Cahill J, Yata K, Zhang JH. Cathepsin and Calpain Inhibitor E64d Attenuates Matrix Metalloprotease-9 Activity after Focal Cerebral Ischemia in Rats. *Stroke*, 37(7):1888-94, 2006
29. Cahill J, Calvert JW, **Solaroglu I**, Zhang JH. Vasospasm and p53 induced apoptosis in an experimental model of subarachnoid haemorrhage. *Stroke*, 37(7):1868-74, 2006

30. Tsubokawa T, Yamaguchi-Okada M, Calvert JW, **Solaroglu I**, Shimamura N, Yata K, Zhang JH. Neurovascular and Neuronal Protection by E64d after focal cerebral ischemia in rats. *J Neurosci Res*, 84(4):832-40, 2006
31. Shimamura N, Matchett G, **Solaroglu I**, Tsubokawa T, Ohkuma H, Zhang JH. Inhibition of integrin alpha v beta 3 reduces blood-brain-barrier breakdown in focal ischemia in rats. *J Neurosci Res*, 84(8):1837-47, 2006
32. Cahill J, **Solaroglu I**, Calvert JW, Zhang JH. Apoptotic markers in vasospasm after an experimental model of subarachnoid haemorrhage. *Acta Neurochir Suppl (Wien)*, (104):11-17, 2008
33. Tun K, Savas A, Sargon MF, **Solaroglu I**, Kanpolat Y. The histopathological and electron-microscopic examination of the stereotactic pulsed radiofrequency and conventional radiofrequency thermocoagulation lesions in rat brain. *Neurol Res*, 28(8):841-4, 2006
34. Okutan O, **Solaroglu I**, Kaptanoglu E, Beskonakli E. Intracranial metastasis of the lung adenocarcinoma mimicking colloid cyst of the third ventricle: a case report. *J Clin Neurosci*, 13(4):487-9, 2006
35. **Solaroglu I**, Kaptanoglu E, Okutan O, Beskonakli E. Unilateral proptosis due to ectopic lacrimal gland of the orbit: A case report. *J Neurosurg*, 103(3 Suppl):289-91, 2005
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