



CURRICULUM VITAE

Dr. Afsoun Seddighi, Neurosurgeon

PERSONAL INFORMATION

Business Address: Unit 7, No 9, 2nd Floor Tadayon Alley, Shariati
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EDUCATION:

Medical School: Shahid Beheshti University, 1990-1997
M.D

Thesis: Therapeutic Effects of Laser Photocoagulation in
Diabetic Macular Edema

Residency: Department of Neurosurgery, Shohada Hospital,
Shahid Beheshti University of Tehran, 1998-2004

Chief Resident of Neurosurgery, 2003-2004

Thesis: Therapeutic Effects of Thalamic Electrical
Stimulation in Parkinson's Disease

Professional Licenses & Certification:

Board Certified. Iranian Board of Neurosurgery, August 2004.

ACADEMIC APPOINTMENTS:

2004-2005 Neurosurgeon, Mazandaran University of Medical Sciences, Imam
Khomeini Hospital.

2005 – 2012 Assistant Professor of Neurosurgery, Qazvin University of Medical
Sciences

2012 till 2015 : Assistant Professor of Neurosurgery, Shahid Beheshti University of
Medical Sciences

2015 till now: Associate Professor of Neurosurgery , Shohada Tajrish Hospital, Shahid
Beheshti University of Medical Sciences.

Membership in Societies:

- Medical Council of Iran
- Iranian Society of Surgery
- Iranian Neurosurgical Association
- Functional Neurosurgery Research Center of Shohada Tajrish Hospital
- AO Spine Association
- Mortality Committee in Shohada Tajrish Hospital
- Member of Shohada Tajrish Neurosurgical Center of Excellence

Awards/Honors:

Ranked as the 3rd Neurosurgeon in the Iranian Board Examination 2004

Thesis Supervisor Professor:

- Comparison of local versus systemic steroids in clinical outcome after lumbar discectomy. Mostafa Ansari Ramandi. Thesis No: 874. 2012.
- Prophylactic Effect of Tranexamic Acid in reduction of bleeding in major spine surgeries. Borzuyeh Naji. Thesis No: 939. 2011.
- Comparison between Propofol and Nesdonal in reduction of raised intracranial pressure in patients with severe head injury. Written by Dr. Parviz Mohammadzadeh. Thesis No: 286, 2013.
- Radioguided surgery using gamma detection probe technology for resection of cerebral glioma. Dr. Mohammad Mehdi Soleymani 2013.
- Evaluation the EMG and Urodynamic findings in prediction of the prognosis of patients with cauda equine syndrome, Dr. Mohammad Reza Shahmohammadi , 2013
- Comparison of surgical and nonsurgical treatment in patients with cerebral arteriovenous malformation. Dr. Reza Alereza Amiri 2013.
- Prophylactic Effect of Tranexamic Acid in reduction of bleeding in spine fusion surgeries. Dr. Ebrahim Asheghi . Thesis No: 939. 2011
- The role of CSF in the differentiation of epithelial cells of choroid plexus in patients with traumatic head injury. 2016
- Intraoperative Radiation Therapy in Cerebral High Grade Glioma in Iran. Dr. Amir Hossein Zohrevand. 2016
- Neuroregenerative effects of olfactory ensheathing cells transplanted in a multi-layered conductive nanofibrous conduit in peripheral nerve repair in rats.2016

PUBLICATIONS:

Books:

- Neurovascular Surgery , A Modern Approach : Amir Saied Seddighi, Alireza Zali, Afsoun Seddighi, Hesam Rahimi, Makan Shalchizadeh, Mehrdad Amiri, Amir Esfandi, 2011 , ISBN: 9789647447468
- Sterile Techniques for the Surgical Technologists: Dr. Afsoun Seddighi, Ali Fasihi Ramandi, Rahim Habibi, 2013, ISBN: 2881964
- Pediatric Neurological Disorders, 2013, Iranian Child Neurology Society. ISBN: 3075404
- Family Guide for Pediatric Neurological Disorders , Iranian Child Neurology Society , 2013, ISBN: 2875239.
- Diagnosis and management of Pituitary Adenoma. Chapter 8: Endoscopic Transsphenoidal Surgery in Pituitary Adenoma. 2015. ISBN: 3634095.
- Spinal Column and Spinal Cord Emergencies
- Emergencies of Head Injury and Neuroradiology
- Aviation and Central Nervous System
- Illustrated Case Reports in Neurology. Co Author.
- Surgical and Nonsurgical Treatments of Clival Chordoma

- Covid 19 and Central Nervous System
- Role of Endovision Systems in Neurosurgery
- Role of Endovision Systems in Neurosurgery

Editor:

- Global Journal of Surgery
- International Clinical neuroscience Journal

Reviewer :

- Iranian Journal of Cancer prevention
- International Clinical Neuroscience Journal

شرکت در مجامع علمی
(ارائه مقالات در کنگره های داخلی و خارجی)

| موضوع | محل برگزاری کشور | نوع شرکت ارائه سخنرانی به صورت | موضوع گزارش یا سخنرانی | سخنرانی کجا چاپ شده | اسامی همکاران به ترتیب (شامل نام متقاضی) | خلاصه سخنرانی یا متن کامل ضمیمه | گوا مرب ب شرکت |
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| | گردد . | | | | شفا هی یا پوستر | | | |
|--|--------|--|-----------------|---|--------------------------|-----------------------------------|---|----|
| | | محمد حسین دهقان, افسون صدیقی , امیر سعید صدیقی | کتابچه کنگره | لیزر درمائی در بیماران دیابتی | شفا هی | اصفهان | لیزر درمائی در بیماران دیابتی | سد |
| | | افسون صدیقی | کتابچه کنگره | صدمات تروماتیک ستون فقرات و نخاع | شفا هی | ساری | صدمات تروماتیک ستون فقرات و نخاع | |
| | | افسون صدیقی | کتابچه کنگره | Surgical outcome of Intracranial meningioma, A 26 y study | شفا هی و رئیس پانل | Dubai تهران | Surgical outcome of Intracranial meningioma, A 26 y study | |
| | | افسون صدیقی | کتابچه کنگره | مارکرها ی پرولیفراتیو | شفا هی | دانشگاه علوم پزشکی قزوین | مارکرها ی پرولیفراتیو | ت |
| | | افسون | کتابچه کنگره | مرگ مغزی از دیدگاه جراحی اعصاب | شفا هی | | مرگ مغزی از دیدگاه جراحی | |

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| | | صدیقی | | | دبیر علمی و سخنران شاهی | دانشگاه علوم پزشکی قزوین | اعصاب جراحی اعصاب و سردرد |
| | | افسون صدیقی | کتابچه کنگره | سندرم های نخاعی | شاهی | دانشگاه علوم پزشکی قزوین | ترومای ستون فقرات و نخاع |
| | | افسون صدیقی | کتابچه کنگره | | شاهی | تهران | نقش ناویگیشن در جراحی تومورهای قاعده جمجمه |
| | | Mohseni M, Seddighi A, Seddighi AS | گواهی | | شاهی | تهران | Report of surgical results of 56 cases with farlateral lumbar disc herniation |

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| | | افسون صدیقی | گواهی | | شفاهی کارگاه | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی | | Interpretation of Brain CT Scan |
| | | افسون صدیقی | گواهی | | شفاهی (کارگاه) | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی | | Brain Tumors |
| | | افسون صدیقی | گواهی | متاستاز مغزی | شفاهی | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی | | تومورهای مغزی |
| | | افسون صدیقی | گواهی | سر درد | کارگاه | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | | CNS دردهای |
| | | افسون صدیقی | گواهی | کاربرد تحریک مغناطیسی بافت مغز | کارگاه | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | | تحریک مغناطیسی بافت مغز |
| | | | | متدهای استفاده وسایل | | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | | |

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| | | افسون صدیقی | گواهی | میکروسرجیکال در جراحی تومور مغزی | کارگاه | | متمدهای استفاده وسایل میکروسرجیکال |
| | | افسون صدیقی | گواهی | روش های استاتیک | کارگاه | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | روش تحقیق |
| | | افسون صدیقی | گواهی | بیومکانیک ساکروم | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | بیومکانیک ستون فقرات |
| | | افسون صدیقی | گواهی | کمر درد | شفاهی | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی | سردرد و کمردرد |
| | | افسون صدیقی | گواهی | شکستگی جمجمه | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | ترومای جمجمه ستون فقرات |
| | | افسون صدیقی | گواهی | جنبه های بالینی علوم اعصاب | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجریش مرکز تحقیقات جراحی اعصاب | |

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| | | صدیقی | | | | علوم اعصاب بالینی |
| | | افسون صدیقی | گواهی | سـلـولـهـای بـنـیـادـی جـراـحـی اـعـصـاب | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجـریش مـرکـز تـحـقیـقات جـراـحـی اـعـصـاب |
| | | افسون صدیقی | گواهی | جراحی اعصاب مبتنی بر شواهد | شفاهی | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی |
| | | افسون صدیقی | گواهی | جراحی تومورهای مغزی اطفال | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجـریش مـرکـز تـحـقیـقات جـراـحـی اـعـصـاب |
| | | افسون صدیقی | گواهی | علوم اعصاب شناختی در شناختی در جراحی اعصاب | شفاهی | دانشگاه علوم پزشکی قزوین بیمارستان شهیدرجایی |
| | | افسون صدیقی | کتابچه کنگره | تومورهای اکسترامدولاری | شفاهی | دانشگاه شهید بهشتی، بیمارستان شهدای تجـریش مـرکـز تـحـقیـقات جـراـحـی اـعـصـاب |
| | | افسون صدیقی | | | | علوم اعصاب شناختی |
| | | افسون صدیقی | | | | تومورهای مغزی اطفال |
| | | افسون صدیقی | | | | جراحی اعصاب مبتنی بر شواهد |
| | | افسون صدیقی | | | | سـلـولـهـای بـنـیـادـی |

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| | | | | تازه های درمان صدمات مغزی شدید مبتنی بر شواهد | دبیر علمی و سخنران | | تومورهای نخاع |
| | افسون صدیقی | کتابچه کنگره | | واکشی قوانین مفید مفید جهت بهبود وضوح بیماران ضربه مغزی | سخنران | دانشگاه صنعتی امیر کبیر | تازه های درمان صدمات مغزی شدید مبتنی بر شواهد |
| | پرهام عظیمی، محسن مؤدی، سعید حسین صباری، امیرسعید صدیقی، افسون صدیقی | گواهی | | | سخنران | سالم همایشهای رازی تهران | داده کاوی در بیماران ضربه مغزی |
| | افسون صدیقی | | | | | | Intraoperative imaging |
| | | | | | شرکت | دانشگاه شهید بهشتی، بیمارستان شهدای تجربش | ۱۹مین کارگاه متمدولوجی تحقیق |
| | | | | | شرکت | بیمارستان میلاد | |

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| | | | | | | | Brain Tumors | |
| | | | | | شرکت | بیمارستان میلاذ تهران | Minimally invasive spine surgery | |
| | | | | | شرکت | تهران | Vertebral fx | ر |
| | | | | | شرکت | Klinikum Harlacking Munich Germany | Spine Surgery | |
| | | | | | شرکت | تهران | Spine degeneration | ه |
| | | | | | شرکت | Wisbaden Germany | Spondylolisthesis Live Surgery | S |

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| | | | | | <p>شرکت</p> <p>دانشگاه شهید بهشتی، بیمارستان شهدای تجربیش</p> | <p>روش تحقیق</p> | |
| | | | | | <p>شرکت</p> <p>دانشگاه شهید بهشتی، بیمارستان شهدای تجربیش مرکز تحقیقات جراحی اعصاب</p> | <p>دردهای ستون فقرات</p> | S |
| | | | | | <p>شرکت</p> <p>England London</p> | <p>New Concepts in Spine Degeneration</p> | ^ |
| | | | | | <p>شرکت</p> <p>Leiden Netherland</p> | <p>Baloon Kyphoplasty</p> | |
| | | | | | <p>شرکت</p> <p>تهران بیمارستان میلاد</p> | <p>Skull Base Tumors</p> | 23 M |

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| | | | | | شرکت | Luzen, Switzerland | Spine Trauma | 1 |
| | | | | | شرکت | Istanbul, Turkey | Trauma and Infections of the spine | A |
| | | | | | شرکت | تهران بیمارستان میلا | Skull Base Neurosurgery | . |
| | | | | | شرکت | Milan, Italy | Spine deformities | . |
| | | | | | شرکت | Davos, Switzerland | Degenerative Cervical Spine , | 2 0 |

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| | | | | | | | deformities and tumors | |
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Farsi Papers:

١. Dehghan MH, Seddighi A, Seddighi AS. The Effect of Lasertherapy in Diabetic Macular Edema. Journal of Ophthalmology, VOI 3, No 3 Spring 1998, 192-200.
٢. Tabatabaie SM, Seddighi A, Sohrabi S. Therapeutic Outcome of 19599 patients with back pain (1979-2000), Pejouhandeh; 6 (5), 405-410, 2001.
٣. Tabatabaie SM, Seddighi A. Evaluation of the Etiology of Shunt Revisions in Hydrocephalic Patients in Shohada Hospital. J Med Coun IRI, 20 (4), 252-260, 2003.

- ξ. Borzouyeh F, Seddighi A, Mohammadi AM. Outcome of Surgical Treatment of 85 Patients with Intracranial Aneurysms in Shohada Hospital. *Pejouhandeh*; 9(40), 203-207,2004.
- ο. Tabatabaie SM, Seddighi A, Seddighi AS, Surgical outcome of Intracranial Meningioma, A 26 Y Review. *Pejouhandeh*, 11(53), 275-284, 2006.
- ϒ. Tabatabaie SM, Seddighi A, Seddighi AS, Long -term Results of Surgical Treatment of Medulloblastoma in 41 Patients. A 23 Y Study. *Pejouhandeh*, 11(52), 205-210, 2006.
- ϛ. Tabatabaie SM, Seddighi A, Seddighi AS. Surgical Results of Anterior Fusion Using Cage Filled with Novabone Mixed with Autologous Bone Graft in Cervical Disc Disease. *Pejouhandeh*, Vol 12, No 5(59) , Jan 2008, 367-375.
- λ. Seddighi A, Tabatabaei M, Seddighi AS, Tabatabaeifar M. 4. Long –term Outcome of Surgical Resection of Spinal Cord Tumors: A 26 Y Review. *Pejouhandeh* Vol 13, No 1(61), March & April 2008, 39-46.
- Ϛ. Extramedullary Hematopoiesis Presenting as Compressive Intracranial and Spinal Lesions. *Journal of Medical Council of Islamic Republic of Iran*. Vol 26, No 1, 1387(2008): 113-118.

١٠. Tabatabaei SM, Seddighi A Surgical Results of Post Fossa Epidermoid Tumors. A 25 Y study. Pejouhandeh, Vol 14, No 5(71) , Dec 2009, 275-281.
١١. Tabatabaei SB, Seddighi A, Seddighi AS. Social and Psychologic disorders in Patients with Brain Tumor. Iranian Journal of Surgery. 17 (3), 1388. 1-8.
١٢. Tabatabaie SM, Seddighi A, Seddighi AS. Surgical Results of Spinal Axis Tumors. Journal of Tabriz University of Medical Sciences. Vol 31, No 9, 2009, 57- 60.
١٣. Seddighi A, Seddighi AS .Lateral sacral meningocele presentation as a Gluteal Mass. JQUMS, Vol.13, No.2, Summer 2009.

English Papers

١. Seddighi A, Seddighi AS, Dehghan MH. Laser Photocoagulation in Diabetic Macular Edema,; Acta Medica Iranica, ;37 (1), 11-17, 1999.
٢. Mohseni M, Seddighi A, Seddighi AS Report on Surgical Results of 56 Cases with Far Lateral Lumbar Disc Herniation. World Spine Journal ; 2 (4) 2007, 190-192.

- ۳. Nourmohammad Arefian, Amir Saied Seddighi, Afsoun Seddighi Clinical Analysis of EEG Parameters in Prediction Of The Depth Of Anesthesia In Different Stages: A Comparative Study. The Internet Journal of Anesthesiology, 15, 1. 2006.
- ۴. Tabatabaei SM, Seddighi A. Pediatric Head Injury. Iranian Journal of Child Neurology, Vol 2, No 2, Feb 2008, 7-13.
- ۵. Arefian NM, Seddighi A , Seddighi AS , Nobahar MR Depression in the Nurses of the Special Wards versus Nurses of the General Wards, a Comparative Study. IJCP, Vol 2, No 3, Summer 2009. 151-154
- ۶. Seddighi A, Seddighi AS .Disproportionate Correlation between imaging and outcome in a patient with cerebral abscess. Central European Journal of Medicine. Vol 5, No 4, 2010.504-507.
- ۷. Seddighi A, Seddighi AS. Lateral sacral meningocele presenting as a Gluteal Mass a case report. Journal of Medical Case Reports, 2010, 4:81.

٨. Seddighi A, Seddighi AS, Ashrafi F, Nohehsara S. Neuropsychological Disorders in Patients with Brain Tumor. IJCP, Vol 3, No 1, Winter 2010, 42-47.
٩. Shokrzadeh A. Seddighi A, Seddighi AS . Comparison of Proximal Injections of Local Anesthetics with Distal Injections in Intravenous Block Global Journal of Health Science Vol. 2, No. 2; October 2010, 215-217.
١٠. Shokrzadeh A. Seddighi A, Seddighi AS . Therapeutic Results of Transcutaneous Electrical Nerve Stimulation in Post Laminectomy Syndrome. Global Journal of Health Science Vol. 2, No. 2; October 2010 Vol. 2, No. 2; October 2010, 137-141.
١١. Extramedullary hematopoiesis presenting as a compressive cord and cerebral lesion in a patient without a significant hematologic disorder: a case report. Seddighi A, Seddighi AS. Journal of Medical Case Reports, 2010, 4:1 ,319.
١٢. Afaghi V, Afaghi A and Seddighi . DIET AND BRAIN TUMOR: AN EPIDEMIOLOGICAL STUDY. A Current Topics in Nutraceutical Research 8 (2/3): 2010, 65-68.
١٣. Seddighi A S. Golzan S M. Seddighi A. Zali A R. Afaghi V. Developing a Bedside Software for Digitizing Paper Based Medical Data in Intensive Care Settings.

Global Journal of Health Science. Vol. 3, No. 1; April 2011: 9-18.

١٤. Seddighi A. Seddighi A S. Zali A R. Afaghi V. Study of the Role of Nova Bone as a Filling Material in Cervical Cage in Anterior Fusion of Cervical Spine in Patients with Degenerative Cervical Disc Disease Global Journal of Health Science. Vol. 3, No. 1; April 2011: 155-160.
١٥. Tabatabaei S M. Seddighi A, Seddighi AS. Head Injury. Iran Red Crescent Med J 2011; 13(6):382-391.
١٦. Seddighi A. Seddighi A S. Zali A R. Afaghi V. Afaghi A. Ashrafi F. Therapeutic effects of thalamic electrical stimulation in Parkinson's disease. Global Journal of Health Science Vol. 3, No. 2; October 2011.102-108
١٧. Seddighi A. Seddighi A S. Zali A R. Rahimi Baghdashti H. Presentation of a minimally symptomatic large extradural hematoma in a patient with an arachnoid cyst: a case report and review of the literature . Journal of Medical Case Reports 2011, 5, 1:581
١٨. Arefian N. Seddighi AS. R. Seddighi A. Zali A. Accuracy of Combined EEG Parameters in Prediction the Depth of Anesthesia. Iranian Red Crescent Medical Journal. 2012 December; 14(12): 833-837.

١٩. Ebtehaj M. Yaqubi S. Seddighi AS, Seddighi A. Yazdi N. Correlation between BIS and GCS in patients suffering from head injury. *Ir J Med Sci.* 2012 Mar;181(1):77-80. Epub 2011 Nov 1.
٢٠. Seddighi AS, Moqareh A. Sedddighi A, Zali AR. Accuracy of noninvasive intracranial pressure measurement. *Cent. Eur. J. Med.* 7(2) 2012: 169-175
٢١. Zali AR. SeddighiAS. Seddighi A. Ashrafi F. Comparison of the Acute Physiology and Chronic Health Evaluation Score (APACHE) II with GCS in Predicting Hospital Mortality of Neurosurgical Intensive Care Unit Patients. *Global Journal of Health Science* Vol. 4, No. 3; 2012
٢٢. Tabatabaei SM, Seddighi A, Sedighi AS. Posterior Fossa Tumors in Children. *Iranian J of Child Neurology.* Iran. J. Child. Neurol 2012;6(2): 19-24.
٢٣. Tabatabaei SM, Seddighi AS, Seddighi A, Gholami A, Rahimi B H, Shalchizadeh M. Clinical Results of 30 Years Surgery On 2026 Patients with Lumbar Disc Herniation. *World Spinal Column Journal*, Volume 3 / No: 3 / September 2012.
٢٤. Seddighi A. Seddighi As. Rahimi H. Asymptomatic presentation of huge extradural hematoma in a patient with arachnoid cyst. *British Journal of Neurosurgery*, 2012; December 2012, Vol. 26, No. 6 , Pages 917-918 (doi:10.3109/02688697.2012.680623)
٢٥. Amir Saied Seddighi, Rouzbeh Motiei-Langroudi ,

Homa Sadeghian , Mohsen Moudi , Alireza Zali ,
Ebrahim Asheghi , Reza Alereza-Amiri , Afsoun
Seddighi. Factors predicting early deterioration in mild
brain trauma. A prospective study. Brain Injury. 2013,
Vol. 27, No. 13- 14 , Pages 1666-1670.

۲۶. Zahra Farshidfar, Fariborz Faeghi, Mostafa Mohseni,
Afsoun Seddighi, Homayoun Hadizadeh Kharrazi ,
Jamil Abdolmohammadi. Diffusion tensor tractography
can affect treatment strategy to remove brain
occupying mass lesions. Neuroradiol J. 2014 Feb;
27(1):75-84.
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