

# Curriculum Vitae

**Ali Razmkon, MD**

Neurospine surgeon, Fellowship of Stereotactic and Functional Neurosurgery  
Director and founder, Center for Neuromodulation and Pain, Shiraz, Iran

## **General Data:**

**Name:** Ali

**Surname:** Razmkon

**Date of birth:** 5/4/1980

**Place of birth:** Shiraz, Iran

**Mailing Address:** P.O.Box 71455-166, Shiraz, Iran

**Work address:** Research Center for Neuromodulation and Pain (NeuroMaPC), Zand Avenue, Shiraz, Iran

**E-mail:** ali.razmkon@gmail.com

## **Education:**

2011-2017: European Society of Stereotactic and Functional Neurosurgery Fellowship program

2014-2016: Young Neurosurgeons Training for DBS surgery

2013: Clinical research fellowship for surgeons at AOCID, Zurich, Switzerland

2010: Board-certified by the Iranian Board of Neurosurgery (on first attempt) at the age of 30

2009-2010: Chief-resident of Neurosurgery, Nemazee hospital, Shiraz University of Medical Sciences, Iran

2005-2010: Resident of neurosurgery, Shiraz University of Medical Sciences, Iran

1998-2005: General medical education, Shiraz University of Medical Sciences, Iran

1994-1998: Tohid 1 high school for gifted students, Shiraz, Iran

## **Occupation:**

Since 2018: Director of Research Center for Neuromodulation and Pain (NeuroMaPC), Shiraz, Iran

Since 2016: Neurosurgeon in private practice

2011-2015: Employment as assistant professor in department of Neurosurgery of Shiraz University of Medical Sciences, division of functional neurosurgery and neuro-oncology

2011-2014: Research organizer in Shiraz Neuroscience Research Center, Shiraz University of Medical Sciences

2011-2012: Part-time employment as a neurosurgeon (as a commitment to serve in underserved areas) in Lamerd, Fars Province (Southwest Iran)

2009-2011: Performing compulsory military service simultaneously with education as a special privilege granted by the Iranian National Elite Foundation

### **Awards and Honors:**

2010- Synthes award for resident research on brain and craniofacial trauma – Congress of Neurological Surgeons, San Francisco, USA 2017- Awarded the ESSFN fellowship diploma

2017- Awarded the ESSFN fellowship diploma

2013- Granted the position of “clinical research fellow” with a 2500 Swiss-Franc grant by AOCID, Zurich, Switzerland

2009- Razi (Rhazes) international Festival award on the best student research in surgery in the 16<sup>th</sup> International Razi Festival, Tehran, Iran

2005- Nevzat Bilgin best poster presentation award on clinical organ transplantation, Ankara, Turkey

2005 till now- Member of the Iranian National Elite Foundation

2005- Highest mean score among the '98 Shiraz class of medical students and getting the privilege as a top student to apply for residency without having to work in underserved areas (as a routine commitment)

2005- Iranian Presidential award for being selected as the exemplary medical student in Iran

2000- Student research award in the 13<sup>th</sup> congress of geographic medicine, Shiraz, Iran

1999- Student research award in the 12<sup>th</sup> congress of geographic medicine, Shiraz, Iran

1998- Standing on the 20<sup>th</sup> rank in the annual national Iranian entrance exam among one and a half million competitors

### **Achievements:**

2018 - Establishment of Research Center for Neuromodulation and Pain, Shiraz, Iran

2016 - Establishment and performance of sacral neuromodulation and spinal cord stimulation surgeries for incontinence and chronic pain conditions in Shiraz for the first time in Southern Iran, as the second center in Iran

2014 - Establishment and performance of deep brain stimulation surgery for movement disorders in Shiraz for the first time in Southern Iran, as the second center in Iran

2013 - Performance of ablative functional neurosurgery for pain and spasticity in Shiraz for the first time, as the second center in Iran

2011 – Performance of general neurosurgery operations in Lamerd city, Fars province, for the first time ever

**International Publications:** ۵۲ publications; +500 citations; Current Hirsch Index: 13

1. **Razmkon A**, Yousefi O, Rezaei R, Salehi S, Petramfar P, Mani A, Rahmati H, Vaidyanathan J, Ilami G, Amirmoezzi Y. Initial Results of Bilateral Subthalamic Nucleus Stimulation for Parkinson Disease in a Newly Established Center in a Developing Country: Shiraz, Southern Iran. *World Neurosurg.* 2019 Jan;121:e129-e135.
2. Ansari M, Mosalaei A, Ahmadloo N, Rasekhi A, Geramizadeh B, **Razmkon A**, et al. A comprehensive approach in high-grade glioma management: position statement from the Neuro-Oncology Scientific Club (NOSC), Shiraz, Iran. *Ger Med Sci.* 2017 Feb 28;15:Doc05. doi: 10.3205/000246. eCollection 2017.
3. **Razmkon A**. Neurotrauma as an Evolving Indication for Neuromodulation. *Bull Emerg Trauma.* 2017;5(1):4-5.
4. Ansari M, Mosalaei A, Ahmadloo N, Rasekhi A, Geramizadeh B, **Razmkon A**, et al. A connect-approach in high-grade glioma management; Position statement from the Neuro-Oncology Scientific Club (NOSC), Shiraz, Iran. *PeerJ Preprints* 2016; 4:e2575v1
5. Moayer AF, Mohebbali N, **Razmkon A**. Incidence of Deep Vein Thrombosis in Patients Undergoing Degenerative Spine Surgery on Prophylactic Dalteparin; A Single Center Report. *Bull Emerg Trauma* 2016;4(1):38-42.
6. Rahmanian A, Mohebbali N, Haghnegahdar A, Kamali Sarvestani E, **Razmkon A**, Kivelev J, Baghban F. Serum Levels of Monocyte Chemoattractant Protein-1 Correlate with Poor Clinical Grades in Cerebral Aneurysms. *Iran J Immunol.* 2015;12(4):302-10.
7. Abdi M, Navidbakhsh M, **Razmkon A**. A Lumped Parameter Method to Calculate the Effect of Internal Carotid Artery Occlusion on Anterior Cerebral Artery Pressure Waveform. *J Biomed Phys Eng* 2015.
8. Asadi-Pooya AA, Rakei SM, Kamgarpour A, Taghipour M, Ashjazadeh N, **Razmkon A**, Zare Z, Bagheri MH. Outcome after temporal lobectomy in patients with medically-refractory mesial temporal epilepsy in Iran. *J Neurosurg Sci.* 2015 Feb 10.
9. Rahmanian A, Minagar A, Rakei SM, Taghipour M, Mehrabani G, **Razmkon A**. A Survey of Tandem Spinal Stenosis in Shiraz, Southern Iran. *Neurosurgery Quarterly* 2015, 25(2):246-249.
10. Javidi M, Heydari M, Karimi A, Haghpanahi M, Navidbakhsh M, **Razmkon A**. Evaluation of the effects of injection velocity and different gel concentrations on nanoparticles in hyperthermia therapy. *J Biomed Phys Eng.* 2014;15;4(4):151-62.
11. Ghaffarpassand F, **Razmkon A**, Khalili H. Deep Brain Stimulation in Patients with Traumatic Brain Injury; Facts and Figures. *Bull Emerg Trauma.* 2014;2(3):101-102.
12. Asadi-Pooya A. A, Ashjazadeh N, Kamgarpour A, Taghipour M, Rakei S. M, Farazdaghi M, Inaloo S, Bagheri M. H, **Razmkon A**, Zare Z. Management of Epilepsy in Resource-Limited

Areas: Establishing an Epilepsy Surgery Program in Iran. *Med J Islam Repub Iran* 2014; 28(1):24.

13. Ashjazadeh N, Boostani R, Ekhtiari H, Emamghoreishi M, Farrokhi MR, Ghanizadeh A, Hatam GR, Hadianfard H, Lotfi M, Mortazavi SMJ, Mousavi M, Montakhab A, Nili M, **Razmkon A**, Salehi S, Sodagar AM, Setoodeh P, Taghipour M, Torabi-Nami M, Vesal A. Operationalizing Cognitive Science and Technologies' Research and Development; the "Brain and Cognition Study Group (BCSG)" Initiative from Shiraz, Iran. *Basic and Clinical Neuroscience* 2014, 5(2):104-16.
14. Rahmanian AK, Seifzadeh B, **Razmkon A**, Petramfar P, Kivelev J, Alibai EA, Hernesniemi J. Outcome of decompressive craniectomy in comparison to nonsurgical treatment in patients with malignant MCA infarction. *SpringerPlus* 2014, 3:115.
15. Kamgarpour A, Riaz-Montazer N, **Razmkon A**, Derakhshan N, Heidari-Esfahani M. Melanotic Progonoma: An Unusual Pathology for an Infantile Midline Scalp Mass. *Pediatr Neurosurg*. 2013;49(4):254-5.
16. Haghnegahdar A, **Razmkon A**, Farrokhi MR, Shaghaghian AR, Abdinezhad M. Patient-Reported Outcomes and Plausible Prognostic Factors in Patients With Post-Traumatic Cervical Locked Facets; An Ambidirectional Cohort Study. *Journal of Research in Medical Sciences*, 2013.
17. Haghnegahdar A, Niknam H, Rahmanian A, Bagheri MH, **Razmkon A**, Nemati A, Nasrizadeh-Moqaddam S. Is Conventional Radiography Sufficient for Postoperative Analysis of Pedicle Screw Placement in Thoracic and Lumbosacral Spinal Fixation? *Neurosurgery Quarterly* 2014, 24(4):233-236.
18. Asadi-Pooya AA, Malekmohamadi Z, Kamgarpour A, Rakei SM, Taghipour M, Ashjazadeh N, Inaloo S, **Razmkon A**, Zare Z. Corpus callosotomy is a valuable therapeutic option for patients with Lennox-Gastaut syndrome and medically refractory seizures. *Epilepsy Behav*. 2013 Nov;29(2):285-8.
19. Abdi M, Karimi A, Navidbakhsh M, Rahmati M, Hassani K, **Razmkon A**. Modeling the Circle of Willis Using Electrical Analogy Method under both Normal and Pathological Circumstances. *J Biomed Phys Eng* 2013; 3(2): 45-56.
20. Ghaffarpasand F, **Razmkon A**, Dehghankhalili M. Glasgow Coma Scale Score in Pediatric Patients with Traumatic Brain Injury; Limitations and Reliability. *Bull Emerg Trauma* 2013;1(4):135-136.
21. Abdi M, **Razmkon A**, Navidbakhsh M, Sharifi G. Investigation of the effect of changes in the deflection angles of cerebral arteries aneurysms on intra-aneurysmal hemodynamics. *Sadra Med Sci J* 2013; 1(3): 149-156
22. **Razmkon A**. Priorities and Concerns for Research on Neurotrauma in the Developing World. *Bull Emerg Trauma* 2013;1(1):5-6.
23. Taghipour M, **Razmkon A**. Isolation and growth of neural stem cells derived from adult human hippocampus. *J Inj Violence Res*. 2012 Nov;4(3 Suppl 1).
24. Asadi-Pooya AA, Taghipour M, Kamgarpour A, Rakei SM, **Razmkon A**. Management of epilepsy in resource-limited settings: establishing an epileptic surgery program in Southern Iran. *J Inj Violence Res*. 2012 Nov;4(3 Suppl 1).
25. Khalili H, **Razmkon A**. Optimal timing of cranioplasty after post-injury decompressive craniectomy: a case control study. *J Inj Violence Res*. 2012 Nov;4(3 Suppl 1).

26. Rahmanian A, Jamali M, **Razmkon A**, Kivelev J, Romani R, Alibai EA, Hernesniemi J. Benefits of early aneurysm surgery; Southern Iran experience. *Surg Neurol Int.* 2012;3:156.
27. **Razmkon A**. Editorial. *Research on History of Medicine* 2012 May; 1(2): 23-24.
28. **Razmkon A**, Sadidi A, Sherafat E, Mehrafshan A, Malekpour B. Administration of ascorbic acid and alpha tocopherol in severely head injured patients: A randomized double-blind clinical trial. *Neurosurgery* 2011 Sep; 69 Suppl Operative:133-7. Also in: *Clin Neurosurg.* 2011;58:133-7.
29. **Razmkon A**. Razi's Deviation. *Arch Iran Med.* 2011 Sep;14(5):365.
30. **Razmkon A**, Mehrafshan A, Bakhtazad A. Management of post-neurosurgical *Acinetobacter* infections: experiences obtained during an outbreak. *Acta Neurochir (Wien).* *Acta Neurochir* 2011; 153:435–436
31. Rashid M, **Razmkon A**, Ziaei AR, Taghipour M. Handle with care, penetrating neurotrauma: Case report and review of literature. *Indian Journal of Neurotrauma (IJNT)* 2010; 7(2):163-166.
32. Farrokhi MR, **Razmkon A**, Maghami Z, Nikoo Z. Inclusion of the fracture level in short segment fixation of thoracolumbar fractures. *Eur Spine J.* 2010 Oct;19(10):1651-6.
33. Taghipour M, Razmkon A, Bakhtazad A. High Prevalence of Intracranial Meningioma in Jewish Population in Shiraz, Southern Iran. *Neurosurgery Quarterly* 2010; 20(2): 68-70.
34. Taghipour M, **Razmkon A**. Neurological picture: Huge primary intracranial hydatid cysts. *J Neurol Neurosurg Psychiatry.* 2009 Oct;80(10):1149.
35. Taghipour M, **Razmkon A**, Hosseini K. Conjoined lumbosacral nerve roots: Analysis of cases diagnosed intraoperatively. *J Spinal Disord Tech.* 2009 Aug;22(6):413-6.
36. **Razmkon A**, Bakhtazad A. Maintaining CSF drainage at external ventricular drains may help prevent catheter-related infections. *Acta Neurochir (Wien).* 2009 Aug;151(8):985.
37. **Razmkon A**, Bakhtazad A. Possible mechanisms of rapid neurological deterioration and acute hydrocephalus in drug abusers. *Pediatr Radiol.* 2009 Mar;39(3):309.
38. Roozbeh J, **Razmkon A**, Jalaeian H, et al. Outcome of Kidney Transplantation in Patients with Polycystic Kidney Disease: A Single Center Study. *Saudi J Kidney Dis Transpl* 2008;19(1):72-75.
39. Alibai EA, Rahmanian AK, **Razmkon A**, Nabavizadeh SA. Tension pneumocephalus following pterional craniotomy for treatment of intracavernous internal carotid artery aneurysm. *Emerg Radiol.* 2008 Nov;15(6):441-4.
40. Taghipour M, **Razmkon A**. May Head-Injured Patients with Thinner Skull Bones Have a Better Prognosis? A Hypothesis. *Med Hypotheses.* 2008;70(4):894.
41. Kamgarpour A, Izadfar MA, **Razmkon A**. Neglected intramedullary cord abscess in a 3-year old child: a case report. *Childs Nerv Syst.* 2008 Jan;24(1):153-5.
42. M.A. Ostovan, A. Fazelzadeh, A.R. Mehdizadeh, **A. Razmkon**, and S.-A. Malek-Hosseini. How to Decrease Cardiovascular Mortality in Renal Transplant Recipients. *Transplant Proc.* 2006; 38, 2887–2892.
43. H. Salahi, A. Fazelzadeh, A. Mehdizadeh, **A. Razmkon**, and S.-A. Malek-Hosseini. Complications of Arteriovenous Fistula in Dialysis Patients. *Transplant Proc.* 2006; 38, 1261–1264.

44. Malek-Hosseini SA, Mehdizadeh AR, Salahi H, Bahador A, Imanieh MH, **Razmkon A**. Liver transplantation in pediatric recipients: A Single-Center Analysis. *Transplant Proc.* 2006;38:594-595.
45. Malek-Hosseini S, **Razmkon A**, Mehdizadeh A, Salahi H, Bahador A, Raiss-Jalali GH, Roozbeh J, Behzadi S, Salehipour M, Khosravi M, Anbardar MH. Long-Term Results of Renal Transplantation: A Single-Center Analysis of 1200 Transplants. *Transplant Proc.* 2006 Sep;38:454-456.
46. Roozbeh J, Mehdizadeh AR, Izadfar MA, **Razmkon A**, Salahi H, Malek-Hosseini SA.. Comparison of Spousal with Other Donor Groups: Study at a Single Center. *Transplant Proc.* 2006 Sep;38:562-563.
47. **Razmkon A**, Moradi-Sarvestani M, Mehdizadeh AR. Military Humanitarian Assistance in Bam Earthquake. *International Review of the Armed Forces Medical Services* 2005; 78 (1): 60-64.
48. Tabei SZ, Amin A, Mowla A, Nabavizadeh SA, **Razmkon A**. Anthrax: pathological aspects in autopsy cases in Shiraz, Islamic Republic of Iran, 1960-2001. *East Mediterr Health J.* 2004 Jan-Mar;10(1-2):27-36.
49. Raiss-Jalali GA, Mehdizadeh AR, **Razmkon A**, Rouzbeh J, Behzadi S, Memari H, Malek-Hosseini SA. Effect of body mass index at time of transplantation and weight gain after transplantation on allograft function in kidney transplant recipients in Shiraz. *Transplant Proc.* 2005 Sep;37(7):2998-3000.
50. Roozbeh J, Mehdizadeh AR, **Razmkon A**, Malek-Hosseini SA. Incidence of posttransplantation diabetes mellitus in kidney transplantation: a single-center experience. *Transplant Proc.* 2005 Sep;37(7):3095-7.
51. Malek-Hosseini SA, Mehdizadeh AR, Salahi H, Saberi-Firouzi M, Bagheri-Lankarani K, Bahador A, Imanieh MH, Nik-Eghbalian S, Lahsae M, Khosravi MB, Arasteh MM, Bagheri MH, Geramizadeh B, **Razmkon A**, Tabei SZ. Results of liver transplantation: analysis of 140 cases at a single center. *Transplant Proc.* 2005 Sep;37(7):3157-8.
52. Salahi H, **Razmkon A**, Mehdizadeh AR, Saberi-Firoozi M, Bahador A, Bagheri-Lankarani K, Imanieh MH, Malek-Hosseini SA.. Biliary tract complications after liver transplantation in a single center. *Transplant Proc.* 2005 Sep;37(7):3177-8.

## Other Publications:

GENERation, a 3-volume scientific journal in Genetics (as editor-in-chief)

## Peer Review and Journals:

1. Associate editor in **Journal of research on history of medicine**
2. Invited for peer review in different international journals, including *Journals of Neurology, Neurosurgery and Psychiatry (JNNP); Neuroepidemiology; Journal of Pediatric Neuroradiology; Journal of Pediatric Epilepsy; Case Reports in*

*Orthopedics, Journal of Pathology and Forensic Medicine; CRTER; Phylosophical Papers and Reviews (PPR)*

3. Associate editor in *International Journal of Advanced Biological Science and Engineering*
4. Member of the editorial board in *Bulletin of Emergency and Trauma (BEAT)*
5. Member of the editorial board in *Iranian Journal of Neurosurgery (IJN)*
6. Member of the editorial board in *Syndromes Journal*

### **Memberships:**

- Congress of Neurological Surgeons (CNS)
- European Society of Functional and Stereotactic Neurosurgery (ESSFN)
- World Society of Functional and Stereotactic Neurosurgery (WSSFN)

### **International Courses - Fellowships:**

Oct. 2017 – Medtronic training for Stealth and O-arm navigation – Tolochenaz, Switzerland

Feb. 2017 - Training for stereotactic procedures using CRW frame – Istanbul, Turkey

Aug. 2016 - One week as an observer of DBS surgery in Queen Square trained by Dr. Ludvic Zrinzo, London, England

June 2016 – ESSFN hands on course for pain and spasticity, Stockholm, Sweden

Sep. 2015- ESSFN hands on course for radiosurgery, Marseilles, France

May 2015- ESSFN hands on course for psychosurgery, Lausanne, Switzerland

May 2015- one week as an observer of DBS surgery in CHU Grenoble trained by Prof. Chabardes, Grenoble, France

Mar. 2015- Medtronics course for sacral neuromodulation (SNM), Dubai, UAE

Nov. 2014- Young neurosurgeons training program YNTP 2014-2016, Tolochenaz, Switzerland

Oct. 2014- Course for neuromodulation treatments (spinal cord stimulators and pumps) in EHC Morge Hospital, Switzerland

April 2014- ESSFN hands-on course for functional neurosurgery, with the honorary presence of Dr. AL Benabid, Marseilles, France

Feb. 2014- Deep brain stimulation treatment course for movement disorders, NETCARE Proterria Hospital, Proterria, South Africa

Sep-Oct 2013- Two-month clinical research fellowship for surgeons at AOCID, Zurich, Switzerland

Oct. 2013- Observed cases of deep brain stimulation surgery for Parkinson's disease and Tourette's Syndrome in Hopitaux Universitaires de Geneve (HUG), Geneva, Switzerland

Oct. 2013- Observed cases of deep brain stimulation surgery for Parkinson's disease in Universität Spital, Zurich, Switzerland

Oct. 2013- Observed cases of deep brain stimulation surgery for Parkinson's disease in InselSpital, Bern, Switzerland

Oct. 2013- NIH training course on "Protecting Human Research Participants"

Oct. 2012- Training course for functional neurosurgery with Leksell stereotactic frame, Hospital Ruber Internacional, Madrid, Spain

Jan. 2012- Endoscopic skull base surgery course – ENT research Center of Tehran University, Tehran, Iran

Oct. 2011- ESSFN Hands-on cadaveric course on epilepsy surgery – Ghent, Belgium

2009-2011- Multiple practical workshops on management of spinal disorders (AO Spine) in Iran and UAE

### **Executive performance:**

Jan 2016 - Scientific regional faculty in "The first middle eastern congress for stereotactic and functional neurosurgery", Dubai, UAE

June 2015 – Presenter and organizer at "Deep brain stimulation workshop for students of neuroscience", Tehran University of Medical Sciences, Tehran, Iran

June 2013- Executive secretary for "The first Iranian national seminar on Stereotactic and Functional Neurosurgery", held on June 28<sup>th</sup>, 2013, Shiraz, Iran

### **Teaching experience:**

Since Jan 2011 - Involved in residency program, Shiraz University of Medical Sciences

Since Jan 2011 - Monthly lectures and weekly teaching rounds on general neurosurgery for medical students

### **Participation in Congresses:**

Participation and presentation in nearly 30 national and international medical congresses

### **Independent Surgical Experience:**

- 42 cases of deep brain stimulation surgery for Parkinson's disease, Dystonia, essential tremor

- 20 cases of other neuromodulation therapies including SNS, SCS



- 100 cases of stereotactic surgeries using the Leksell stereotactic system
- 100 cases of stereotactic surgeries using the Leksell stereotactic system
- 20 cases of stereotactic surgeries using the CRW stereotactic system
- 80 cases of pain surgery including trigeminal nerve microvascular decompression and RF, spinal cord DREZ procedures, and other pain procedures
- 50 cases of epilepsy surgery, including callosotomy, amygdalohippocampectomy, etc.
- 200 cases of brain tumors, including gliomas, meningioma, pituitary adenoma, brain metastasis and other lesions
- 300 cases of different spinal operations, including laminectomies, fusion, and tumor resections
- 200 cases of traumatic brain injuries