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Sciences

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EDUCATION

Undergraduate:

- Primary and high school, Nyriz, Fars province, Iran **1963 –1972**
- High school: Pahlavi University School, Shiraz, Iran **1973 - 1976**

Medical:

- Medical degree
Mashhad University of Medical Science-Mashhad, Iran
Academic years including:
Preclinical: Faculty of Medicine, Oct. 1976-Sept.1979.

Post Graduate Education and Training:

Externship: Hospitals of Mashhad university of
Medical Science, Oct 1980-sep1983.
Internship: Imam Reza Medical Center
Mashhad, Iran, Oct 1983-March1984.

Neurosurgery Residency:

Mashhad University of Medical Sciences, Mashhad, Iran
Five academic years and one year Micro-Neurosurgery
Training at Shariati Hospital affiliated with Tehran Medical University
Tehran, Iran

Experience

- **Medical Doctor**, Mashhad University of Medical Sciences (MUMS), Mashad, Iran . **1984**
- **National Board in Neurosurgery** (Board Certified **first rank**), 1989
Mashhad University of Medical Sciences, Mashhad, Iran
- Associate Professor of Neurosurgery Mashhad University of Medical Sciences Mashhad, Iran
- Assistant professor of neurosurgery Babol University of Medical Sciences Mazandran, Babol, Iran . **1991-1994**
- Director of ICU Neurotrauma in Neurosurgery Emdad Hospital Trauma Center Mashhad University of Medical Sciences Mashhad, Iran **2001 – present**
- Assistant Professor of Neurosurgery Mashhad University of Medical Sciences Mashhad, Iran **1995 – 2002**
- Head of Kamyab Hospital (Trauma center) Mashhad, Iran. **1998 – 2001**
- Member of the Brain Death and Transplantation Committee Mashhad University of Medical Sciences Mashhad, Iran. **2001 -present**
- Private practice, Mosabne Jafar hospital. Head of neurosurgery department. **1998 - present**
- **Fellowship in Spine**, University Of Cushman Paris, France **2004**
- Assistant Professor of Neurosurgery Babol University of Medical Sciences Mazandran, Babol, Iran **1991 - 1994**

Research interest

Spine surgery
spinal cord transplantation
cervical spine trauma

proposal

Rehabilitation of severe head injured patients (deep coma) by tactile, thermal, visual and auditory stimulation.
Molecular pathophysiology of spinal cord injury

Effect of Riluzole on neurologic disorders and histopathologic changes in brain injury model of Rat.

thesis

Spinal trauma; Babol medical faculty; Taghizade and Ghafari ; 1371
Low back pain evaluation; Babol medical faculty; Hydari and Zadsar; 1372

205 case of head injury; Babol medical faculty; Ahmady and Ramazani; 1372

Presentation of diseases in CSF; Babol medical faculty; Kohsarian and Ghavanlo; 1373

Infratentorial brain tumors in children; Babol medical faculty; Farahi ;1372

Supratentorial brain tumors in adults; Babol medical faculty; Abrishamchian and Aminzade; 1372

Brain abcess; Babol medical faculty; Momenzade; 1372

RICP in different brain disorders; Babol medical faculty; Sharam and Doago; 1373

Hydrocephalus ; Babol medical faculty; Madihi and Hossaini ; 1373

Pseudotumor cerebri and its treatment; Mashhad medical university; Farjam Fazelifar ; 1375

Traumatic intraventricular hemorrhage ; Mashhad medical university; Navabi ; 1375

Upper cervical spine fracture dislocation; Mashhad medical university; Robaei ; 1376

Prophylactic antiepileptic in traumatic brain lesions; Mashhad medical university; Yatimi; 1377

Ocular findings in patients with brain tumors ; Mashhad medical university; Rahmani ;1378

Evaluation of 500 CT scan of brain and compare with clinical presentation; Mashhad medical university; Ahsan; 1376

Correlation of skull fracture and loss of consciousness in patients during 2 years; Mashhad medical university ; Nohekhan mashhadi ; 1377

posttraumatic meningitis in 2 years analysis; Mashhad medical university; Kiani; 1374

Epidemiologic study of head injury patients in one year; Mashhad medical university; Laloee; 1376.

Intracranial hematoma in autopsy findings; Mashhad medical university; Ghayoor, 1382.

Etiology of delayed intracranial hematoma; Mashhad medical university; Abili M.D.1381.

Role of P53 gene in meningioma; Mashhad medical university; Alipoor M.D.1381.

Effect of Riluzole on neurologic disorders and histopatologic changes in brain injury model of Rat.

Elevation of serum VEGF and NO level in post traumatic brain edema ,Mohseni Birjandi M.D.1388.

Publication in english

1. Bahadorkhan G, **Ehsaei MR** and Sarreshtehdar A .Faraji M .Study of electrical dysfunction in acute Traumatic brain lesions. Arch Neuroscience, vol 7 No: 3 M 2002 pp: 128-131 .

2. Bahadorkhan G, **Ehsaei M.R** and Sarreshtehdar A. Cardiac electrical dysfunction in acute brain lesions. Medical J. of the Islamic Republic of Iran (English Edition). Volume 18. No.3, November 2004, ISSN: 1016-1430 .pp237.
3. **Ehsaei M.R**; Interns self- evaluation to indentify insufficient competencies. Journal of medical education.
4. Samini. F .Bahadorkhan, G.**Ehsaei M.R**. Intraforaminal and Extraforaminal Far lateral Lumbar Disc Herniation ,Review of 63 Cases. Medical journal of the Islamic Republic of Iran Vol 22. No.2 August 2008. Pp63-67.
5. **Ehsaei M.R**. Bahadorkhan. G, Samini. F. Kheradmand, H. Pediatric Spine Injuries after Trauma a review of 43 cases. Medical journal of the Islamic Republic of Iran Vol 22. No.2 August 2008. Pp86-92.
6. Bahadorkhan, G. Samini. F .**Ehsaei M.R**. Evaluation of The results of cervical spine and spinal cord trauma in children. Iran ChildNeurology Jan 2009.
7. Bahadorkhan, G. Samini. F .**Ehsaei M.R**. Complications of Thoracolumbar Stabilization and Instrumentations: A Pictorial Essay. Iran J Rdiology 2009, 6(2).
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Publication in persian

1. **Ehsaei M.R**. Evaluation of 150 Patients with Spinal Trauma and Their Surgical Treatment. Thesis for Graduate 1990 (Neurosurgery)
2. **Ehsaei M.R** .Spontaneous Intracerebral Hemorrhage Medical journal of Babol University of Medical Sciences, 1993.
3. **Ehsaei M.R** .Locked-facet Syndrome in Cervical Spinal Trauma, Report of 19 patients; Medical Journal of Babol University of Medical Sciences, 2001.
4. Bahadorkhan, G. **Ehsaei M.R**: Cerebral Hydatid Cysts: Report of 43 Cases. Medical J. of Mashhad University of Medical Sciences.
5. Bahadorkhan, G. **Ehsaei M.R**: Cardiac Arrhythmias in Acute Brain Injuries. Medical J. of Mashhad University of Medical Sciences.
6. **Ehsaei M.R**. Sadghi, S. Bahadorkhan, G: Locked Facet Syndrome in Cervical Spinal Trauma: Report of 19 Patients. Medical J. of Babul University of Medical Sciences.
7. **Ehsaei M.R** .Post Traumatic Meningitis, A Two Years Evaluation in a Trauma Center; Medical Journal of Mashhad University of Medical Sciences, 2000.
8. **Ehsaei M.R** Epidemiologic Evaluation of Mortality Rate in a Main Trauma Center in the North of Iran during 1997-1999 ; Medical Journal of Shaheed Beheshti University of Medical Sciences, 2001.

9. Bahadorkhan, G. **Ehsaei M.R** .Electrocardiographic Changes after Acute Brain Lesions; Medical Journal of Mashhad University of Medical Sciences, 2001 .
10. **Ehsaei M.R**; Koshyar M.Cord Compression in Patients with Intermediate Thalassemia, Report of 3 cases; Medical Journal of Mashhad University of Medical Sciences, 1998 .
11. **Ehsaei M.R** .Acute Complications after Anterior Cranial Fossa Fractures; Report of 50 cases. Iranian Journal of Otolaryngology, 1998 .
12. **Ehsaei M.R** .Extradural Meningioma of the Brain and Spinal Cord, A 10 Years Study in a Neurosurgical Department; Medical Journal of Mashhad University of Medical Sciences, 1996 .
13. **Ehsaei M.R** .Spinal Epidural Abscess, A 12 Years Study in a Neurosurgical Ward; Medical Journal of Mashhad University of Medical Sciences, 1996 .
14. **Ehsaei M.R** .Anterior Internal Cervical Fixation with Locking Plate; A Report of 30 Cases. . Medical Journal of Mashhad University of Medical Sciences, 1998 .
15. Bahadorkhan, G. **Ehsaei M.R** Samini, and F: Diastematomyelia, Report of Ten cases Medical J. of Mashhad University of Medical Sciences.
16. Samini, F. Bahadorkhan, G. **Ehsaei M.R** Etemad Rezaee, H: Lumbar Intradural Disc rupture. Medical Journal of Mashhad University of Medical Sciences Vol. 46. No. 81. 2002 pp 18-21 .
17. Etemad Rezaee H., **Ehsaei M.R**. Bahadorkhan. G Birjandi A. Samini F. The Results of pedicular Internal Fixation of Lumbar Spine in Patients Hospitalized at Neurosurgery Ward of Mashhad University of Medical Sciences. (1996-2001). Medical Journal of Mashhad University of Medical Sciences Vol. 46. No. 82. 2003-2004 pp 55-63 .
18. Faraji; **Ehsaei M.R**; Ehsaei Aseih; ghayoor E.: ocular findings in patients with brain tumors.Ofogh-E-Danesh, 2004.vol 10, no 2pp1-4.
19. Samini. F. Birjandi, A. Bahadorkhan. G, **Ehsaei M.R**. Etemad Rezaee H.: Delayed Intracranial Hematoma after Head Injury. Medical Journal of Mashhad University of Medical Sciences Vol. 47. No. 84. Summer 2004 pp 157-162 .
20. **Ehsaei M.R**; Bahadorkhan, G. Samini. F. Etemad Rezaee H Rehabilitation of severe head injured patients (deep coma) by tactile, thermal, visual and auditory stimulation. Medical Journal of Mashhad University of Medical Sciences Vol. 47. No. 85. Autumn2004 pp 295-299.
21. **Ehsaei M.R**; Bahadorkhan G, Samini F. Non-penetrating traumatic intraventricular hemorrhage Medical Journal of Mashhad University of Medical Sciences Vol.48 No.90 winter 2006 pp351-354 .
22. **Ehsaei M.R** ; Bahadorkhan G. Ghayoor, A. CT scan finding in 312 head injured patients Medical Journal of Babul University of Medical Sciences Vol.7 No4. Autumn2005 pp94-100 .
23. Faraji; **Ehsaei M.R**: Evaluation of incidence and risk factors of

hydrocephalus with clinical manifestation of headache secondary to ruptured intracranial aneurysm. The Iranian Journal of Otorhinolaryngology.No37, 2004, pp18-23.

24. Faraji; **Ehsaei M.R**: The epidemiology of patients with rupture intracranial aneurysm in Mashhad. Medical Journal of Mashhad University of Medical Sciences Vol. 48. No. 88. Summer 2005 pp 185-190.

25. **Ehsaei M.R**; Bahadorkhan, G. Samini. F. The prognosis of head injured patients according to blood fibrin degradations. Medical Journal of Mashhad University of Medical Sciences Vol. 50. No. 96. Summer 2007 pp 131-136.

26. **Ehsaei M.R** ;Samini F.;Bahadorkhan G. Postt's disease:a review of 58 cases. Medical journal of the Islamic republic of iran.Volume 23,Issue 4,February 2010.P200-207.

27. **Ehsaei M.R**; Bahadorkhan G, Samini F.Pediatric spine injuries after trauma: a review of 43 cases. Medical journal of the Islamic republic of iran.Volume 22,Issue 2,August 2008.P86-93.

28. Bahadorkhan G.; Samini F; **Ehsaei M.R**.Evaluation of the results of cervical spine and spinal cord trauma in children.Iranian journal of child neurology.Volume 3,no 1,Jan 2009.P49-57.

29. **Ehsaei M.R** ;Samini F.;Bahadorkhan G.Evaluation of acute respiratory failure after cervical spinal cord injury in Mashhad shaid kamyab hospital.The Iranian journal of otorhinolaryngology.Volume 21,No 57&58 ,2010.P 145-152.

30. Bahadorkhan G.; Samini F; **Ehsaei M.R**.Complications of thoracolumbar stabilization and instrumentation: A pictorial essay. Iranian journal of radiology. Volume 6,No 2 ,2009.P93-97.

31. Bahadorkhan G.; Samini F; **Ehsaei M.R**.Intraforaminal and extraforaminal far lateral lumbar disc herniation(A review of 63 cases). Medical journal of the Islamic republic of iran.Volume 22,Issue 2,August 2008.P63-68.

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Peresentation in seminars

1-Spinal epidural abscess presentation in Iranian Association of surgeons in 1372 in Shiraz.

2-Management of cervical spine trauma presentation in Head and neck injuries seminar in Tehran Azad university.

3-Frontobasal fracture presentation in skull base symposium in 1374 Tehran.

4-CNS anomalies presentation in Iranian Association of surgeons in 1375 Tehran.

5-Medical treatment in head injury in Iranian Association of surgeons in 1376 Tehran.

6-Occipito- cervical fusion with Luqe rod in second international congress in1378 in Tehran.

7-Locked facet syndron of cervical spine in Iranian Association of surgeons in 1379 Tehran.

8-Intracranial hematoma in neurosurgical emergency seminar in 1378 in Mashhad.

9-genetic factors in brain tumors in Iranian Association of surgeons in 1385 Tehran.

10-low back pain seminar in Mashhad , aban 1382.

11-pediatric spine surgery in Iranian Association of surgeons in nove2005 ,shiraze.

12-spinal tuberculosis in Iranian Association of surgeons in des 2007 ,ahvaze.

13-classification of upper cervical spine trauma , Tehran ,AO spine comprehensive course in 2007.

- 14-management of cervical locked facet syndrome in Iranian neurospine symposium , mashhad jun 2008 .
- 15-upper cervical spine trauma in congresss on trauma of upper limb, pelvic and spine in mashhad , jun 2008 .
- 16-vascular complications in anterior approach of lumbar spine fractures. Iranian Association of surgeons in Oct 2008,Mashhad.
- 17- Cervical spine trauma ,internationalneurospine institute 24 july2008, Tehran.
- 18-presentation of 58 patients of Pott;s disaese (Eposter) at 14th World congress of neurological surgery in Boston USA. August 30-September 4.2009 .
- 19-Disc herniation :patient selection ,which type of surgery.Oral presentation ,AO spine seminar of Degenerative lumbar spine disorders.Shiraze –Iran. 27-28 May 2010 .
- 20- Approach to patient with malignant glioma Presented in Brain Tumors Seminar at Mashhad University of Medical Sciences in Mashhad, Iran, Feb.252010

- 21- Thoracolumbar Spine fractures. Presented in Emergency Managements of Fractures at Mashhad University of Medical Sciences. Mashhad, Iran. Feb. 27.2010

- 22-Spinal cord Injuries Emergencies. Presented in CME Conferences on Neurosurgical Emergencies at Mashhad University of Medical Sciences. Mashhad, Iran, March.10.2010 .
- 23-.Pediatric cervical spinal cord injury. presented at 1st Razavi Hospital Neurotrauma Seminare in association with Mashhad University of Medical Sciences. Mashhad, Iran June 9-10.2011 .
- 24- Brachial plexus injury in adult. presented at 1st Razavi Hospital Neurotrauma Seminare in association with Mashhad University of Medical Sciences. Mashhad, Iran June 9-10.2011.

TEACHING SERVIS

Residency Education/Teaching Rounds

Residency Training programs Mashhad University of Medical Sciences 1987-present

Residency Education/ Conferences

Neuropatology Course at Ghaem Med Center for the Neurosurgical and Neurology Residents
1987-1996

Neuroanatomy Course at Ghaem Med Center for the Neurosurgical Residents
1989-1994

Neurosurgery morning classes for neurosurgical residents 1987-present

Medical students Education/ Conferences

Biannually lectures for medical students on different topics of neurosurgery 6 hours
1987- Present ,Mashhad University of Medical Sciences.

Nursing students and Nurses Education/ Conferences

Different lectures on neurosurgery and neurology on a seasonally interval 1987-Present.

others

certification in spine interventional pain management seminar , Tehran , June 2007.
 certificate in international neurosurgical symposium , , Tehran , Des 2007.
 certification in attended spine course , Mashhad ,July 2006.
 certificate in minimally invasive spine surgery /Ankara , nova 2005.
 certificate in adolescent deformity , Istanbul ,march 2007.
 certificate in minimally interventional spinal treatment, Tehran ,ordibehesht 1384.
 certificate in neurosurgery , Iranian Association of surgeons in 1372 Tehran.
 certificate in neurosurgery , Iranian Association of surgeons in 1373 Tehran.
 certificate in neurosurgery , Iranian Association of surgeons in 1383 esfahan.
 certificate in spinal endoscopy , Tehran ,Iranian spine surgeon's society ,khordad 1384.
 certificate in neurosurgery , Iranian Association of surgeons in 1381 Tehran.
 Certificate in spine, scoliosis spine surgery,feb 28-march 2 2007 Istanbul,Turkey.
 Certificate in spine interventional pain management june 2007 ,Tehran.
 certificate in AO spine advanced course.october 12-14 2008 ,Dubai/UAE16 jun 2008, Tehran.
 certificate in international neurospine institute ,spine trauma
 certificate in Eurospine confrencece oct 21-24 2009 Warsaw,Poland.
 Certificate of attendance in 14th international Argosspine symposium jan 28-29 2010 Paris.
 Certificate in Master class of Zimmer spine ,june 2011 Istanbul Turkey
 Certificate in course participant ,AO spine advanced course (spinal column tumors.Jan 2011 Isfahan Iran.

Honors and Distinctions

Board Certification in Neurosurgery Highest Grade in the Residency Exam for the
 Iranian Board of Neurosurgery, **Aug 1991**