

**Curriculum Vitae**  
Bizhan Aarabi, M.D., FRSC, FACS  
Associate Professor  
Director of Neurotrauma  
University of Maryland School of Medicine

**Date** January 17, 2007

**Personal Information**

- 22 South Greene Street, Ste S-12D Baltimore, MD 21201
- (410) 328-7371 office
- (410) 328-1420 facsimile
- baarabi@smail.umaryland.edu
- Foreign Language(s): Farsi

**Education**

- Saadi High School, 1959-1965, Abadeh, Iran
- Pre-Med, 1967 Pahlavi University School of Arts and Sciences Shiraz Iran.
- M.D. 1973 Pahlavi University Medical School in Shiraz Iran.

**Post Graduate Education and Training**

- 1972-1973 Nemazee Hospital, Shiraz Iran, Neurosurgical Internship
- 1973-1974 Cook County Hospital, Chicago IL, Surgical Internship
- 1974-1979 Johns Hopkins Hospital, Baltimore MD, Neurosurgical Residency
- 1980-1980 Wellesley Hospital, Toronto Canada, Neurosurgery Fellowship
- 1981-1981 Hamilton General Hospital, Hamilton Canada, Neurosurgery Fellowship
- 1989-1990 University of Nebraska, Lincoln Nebraska, Neurosurgery Fellowship

**Certifications**

- Diplomate National Board of Medical Examiners, 1977
- Diplomate American Board of Neurosurgery, 1982
- Fellow Royal College Surgeons of Canada, 1983

**Medical Licensures**

- 1977 Medicine and Surgery, State of Maryland License: D20854
- 1989 Medicine and Surgery, State of Nebraska License: 18098

**Employment History**

- 1979-1990 Shiraz University of Medical Sciences, Associate Professor, Neurosurgery
- 1990-1995 Shiraz University of Medical Sciences, Professor and Chairman, Neurosurgery
- 1995-2000 University of Nebraska Medical Center, Associate Professor, Neurosurgery
- 2000-Present University of Maryland School of Medicine, Associate Professor, Neurosurgery
- 2000-Present R Adams Cowley Shock Trauma Center, Director of Neurotrauma

### **Professional Society Memberships**

- 1982 Member, American Association of Neurosurgical Surgeons
- 1983 Member, Royal College of Physicians and Surgeons of Canada
- 1984 Member, Congress of Neurological Surgeons
- 1990 Member, Joint Section on Tumors of the AANS/CNS
- 1992 Member, New York Academy of Sciences
- 1993 Member, Joint Section on Trauma of the AANS/CNS
- 1994 Member, American Medical Association
- 1994 Member, American College of Surgeons
- 2002 Member, Spine Trauma Study Group
- 2006 Liaison, Physician Compliance Liaison for University of Maryland Neurosurgery Associates

### **Honors and Awards**

- 1973 Valedictorian, Pahlavi University Medical School
- 1973 Highest Achievement Award, Shiraz University Medical School
- 1987 First Prize Award, " Traumatic aneurysms due to missile head wounds"
- 1990 Medal of Honor and Achievement, Iranian Government
- 2000 Hero Award, R Adams Cowley Shock Trauma Center
- 2001 Hero Award, R Adams Cowley Shock Trauma Center
- 2002 Hero Award, R Adams Cowley Shock Trauma Center
- 2003 Hero Award, R Adams Cowley Shock Trauma Center
- 2004 Hero Award, R Adams Cowley Shock Trauma Center
- 2006 Hero Award, R Adams Cowley Shock Trauma Center
- 2007 Hero Award, R Adams Cowley Shock Trauma Center

### **Administrative Service**

#### **Institutional Service**

- 1993-1995 Trauma Committee, University of Nebraska Medical Center
- 1994-1995 Protocols and Procedures Committee, Nebraska VAMC
- 2000 Medical Peer Review Committee, R Adams Cowley Shock Trauma Center
- 2000 Senior Leadership Committee, R Adams Cowley Shock Trauma Center
- 2000 Neurotrauma Designation Committee, R Adams Cowley Shock Trauma Center
- 2000-2002 Research Committee, R Adams Cowley Shock Trauma Center
- 2000 Medical Affairs Advisory Committee, R Adams Cowley Shock Trauma Center
- 2003 Quality Management Committee, University of Maryland Medical/ Neurosurgery
- 2003 Performance Improvement Steering Committee, University of MD Medical Ctr
- 2005 University of Maryland School of Medicine Council
- 2006 Director, UM Student Neurosurgical Education

#### **Local and National Service**

- 1994 Secretary, Iowa Midwest Neurosurgical Society
- 1983- Present Editorial Boards, Iranian J Medical Sciences
- 2000 Member, Congress of Neurological Surgeons Seminars
- 2003 Member, Scientific Review Committee, Brain Disorders and Clinical Neurosciences, Center for Scientific Review, National Institute of Health
- 2005 Member, Editorial Board, Pazhuhandeh, Beheshti University of Medical Sciences, Tehran Iran
- 2005- Present Board Member, Peer Reviewer for Journal of Trauma

#### **Teaching Service**

- 1979-1975 Residency Training Program, Shiraz University of Medical Sciences
- 1995-2000 Monthly didactic lectures, University of Nebraska Medical Center

- 1995-2000 Neuro Anatomy Course, University of Nebraska Medical Center
- 2000 - Present Neuro Anatomy Course, Department of Neurosurgery, University of Maryland Medical System
- 2006 "Spinal Cord Injury Emergency Management Part II" Lecture Series for Neurology residents, presented July 28, 2006.
- 2006 Neurological Approaches lecture for 3<sup>rd</sup> year Medical Students at the University of Maryland School of Medicine, Presented August 17, 2006.
- 2006 "Spinal Cord Injury Emergency Management Part II" Lecture Series for Neurology residents, presented August 22, 2006

### Grant Support

CODE	TITLE	SPONSOR	DURATION	% EFFORT
<b>U01 HD 42736</b> <b>PI: H Eisenberg</b>	<b>TBI, Clinical Trials</b>	<b>NIH</b> <b>\$750,000</b>	<b>2003-2008</b>	<b>15%</b>
<b>MSD's Spine Trauma Study Group</b> <b>PI: B. Aarabi</b> <b>PI: S. Ludwig</b>	<b>STSG Study</b> <b>A. STASCIS H-24953</b> <b>B. EPOST H-26937</b> <b>C. Facet Fxs H-24869</b>	<b>Medtronic Sofamor Danek USA Inc</b> <b>\$40,000 annual</b>	<b>2005 - 2010</b>	<b>10%</b>
<b>NACTN (North American Clinical Trial Network)</b>	<b>PI</b>	<b>Christopher Reeves Paralysis Foundation</b>	<b>2006-</b>	<b>5%</b>

### Publications

1. Daneshbod K, **Aarabi B**: Histiocytosis X. Pahlavi Med. X 3:75-79, 1972
2. Clopper RR, Meyer WJ, Udvarhelyi GB, Money J, **Aarabi B**, Mulvihill JJ, Piasio J: Post surgical IQ and behavioral data on twenty patients with a history of childhood craniopharyngioma. Psychoneuro-endocrinology 2:365 -372, 1977
3. Daneshbod K, **Aarabi B**: Histiocytosis X. Pahlavi Med. J. 3:75-79, 1972.
4. Clopper RR, Meyer WJ, Udvarhelyi GB, Money J, **Aarabi B**, Mulvihill JJ, Piasio J: Post-surgical IQ and behavioral data on twenty patients with a history of childhood craniopharyngioma. Psychoneuro-endocrinology 2:365-372, 1977.
5. Abbassioun SK, **Aarabi B**, and Zarabi M: A comparative study of physiologic intracranial calcification. Pahlavi Med J. Vol 9:152-165, 1978.
6. **Aarabi B**, Chambers J: Giant thrombosed aneurysm associated with an arteriovenous malformation. J of Neurosurgery 49:278-282, 1978.
7. **Aarabi B**, Long DM, McQueen JD: Traumatic internal carotid occlusion at the base of the skull. Surgical Neurology 10(4):233-236, 1978.
8. **Aarabi B**, Long DM, and Miller NM: Enlarging Optic chiasm glioma with stable visual acuity. Surgical Neurology 10(3):175-177, 1978.
9. **Aarabi B**, Long DM, and Epstein M: The effect of Cyclic-AMP on cat brain extracellular fluid. Archives of Neurology 36:498-500, 1979.
10. **Aarabi B**, Pasternok G, Herko O, and Long DM: Familial intradural arachnoid cyst. J of Neurosurg 50:826-829, 1979.

11. **Aarabi B**, Long DM: Dynamics of cerebral edema (in cat): J of Neurosurg 51:779-784, 1979.
12. **Aarabi B**, Udvarhelyi GB: Post-surgical visual and neurological evaluation of 32 children with craniopharyngioma. Iranian Journal of Surgery 2:171-188, 1979.
13. **Aarabi B**, Gucer G: Spinal cord lipomas unassociated with spinal bifida. Iranian Journal of Surgery 2: 189-206, 1979.
14. Perrin RG, Livingston KE, **Aarabi B**: Intradural extramedullary spinal metastasis. J Neurosurgery 56:835-837, 1982.
15. Abbassioun K, **Aarabi B**, Haghshenas M, et al: Spinal cord compression due to extradural extramedullary hematopoiesis in chronic anemias. Iranian J of Medical Sciences 13:21-27, 1986.
16. **Aarabi B**: Comparative study of bacteriological contamination between primary and secondary exploration of missile head wounds. Neurosurgery 20:610-616, 1987.
17. **Aarabi B**: Traumatic aneurysms due to high velocity missile head wounds. Neurosurgery 22:1056-1063, 1988.
18. **Aarabi B**: Causes of infections in penetrating head wounds in the Iran-Iraq War. Neurosurgery 25:913-925, 1989.
19. **Aarabi B**: High velocity missile scalp wounds; the tip of an iceberg. Iranian Journal of Medical Sciences 14:16-23, 1989.
20. **Aarabi B**, Koleini MK: Traumatic aneurysms due to missile head wounds: report of twenty cases. Iranian Journal of Medical Sciences 14:26-32, 1989.
21. **Aarabi B**: Relationship of suturing of the dura to cerebrospinal fluid fistulas. Letter to the Editor, Neurosurgery 27:334, 1990
22. **Aarabi B**: Surgical outcome in 435 patients who sustained missile head wounds during the Iran-Iraq War. Neurosurgery 27:692-695, 1990.
23. **Aarabi B**, and Taghipour M: Causes of infections in penetrating head wounds in the Iran-Iraq War. Iranian J of Medical Sciences 16:7-12, 1991.
24. **Patil AA**, Leibrock LG, Kumar PP, and Aarabi B: Stereotactic approach to skull-base lesions. Skull Base Surgery 1:235-239, 1991.
25. **Aarabi B**: Brain stem injuries due to missile head wounds during Iran-Iraq War. Iranian J of Medical Sciences 16:117 -123, 1991.
26. **Aarabi B**: Surgical mortality in 913 patients who sustained missile head wounds during the Iran-Iraq War. Iranian j of Medical Sciences 17:8-13, 1992.
27. **Aarabi B**: Chiasmatic syndrome due to extramedullary hematopoiesis in beta thalassemia. Iranian J of Medical Sciences 17:145-148, 1992.
28. Patil A, Kumar P, Leibrock L, Gelber B, **Aarabi B**: The value of intraoperative scans during CT-guided stereotactic procedures. Neuroradiology 34:453-456, 1992.
29. **Aarabi B**, Leibrock LG: Neurosurgical approaches to cerebrospinal fluid rhinorrhea. Ear,

Nose and Throat Journal, 71 (7):300-305, July, 1992.

30. **Aarabi B**: Transzygomatic approach to skull base tumors, in Samii M (ed), Proceedings of the First International Congress of Skull Base Surgery. Hanover Germany 1993.
31. Moin H, Taghipour M, **Aarabi B**: Intradural extramedullary hydatid cyst. Iranian J of Medical Sciences 20:121, 1995.
32. **Aarabi B**: Management of traumatic aneurysms caused by high-velocity missile head wounds. Neurosurgery Clinics of North America 6:775-797, 1995.
33. **Aarabi B**, Taghipour M, Kamgarpour, and Alibaii EA: Cerebral hydatid cysts. Medical J of Islamic Republic of Iran, 10:1-5, 1996.
34. **Aarabi B**, Alibaii EA, Taghipour M, Kamgarpour A: Comparative study of functional recovery between surgically explored and conservatively managed spinal cord missile injuries. Neurosurgery 37:1133-1140, 1996.
35. **Aarabi B**, Alibaii EA, Taghipour M, Kamgarpour A: Comparative study of functional recovery for surgically explored and conservatively managed spinal cord missile injuries. Letter to the Editor Neurosurgery 41:1218, 1997
36. **Aarabi B**, Haghshenas M, and Rakeii V: Visual failure due to suprasellar extramedullary hematopoiesis in beta thalassemia, case report. *NEUROSURGERY* 42:923-926, 1998.
37. **Aarabi B**, Taghipour M, Alibaii E, Kamgarpour A: Central nervous system infections after military missile head wounds. *NEUROSURGERY* 42:500-509, 1998.
38. **Aarabi B**, Taghipour M, Haghnegahdar A, Farokhi MR, Mobley: Prognostic factors in the occurrence of posttraumatic epilepsy after penetrating head injury suffered during military service. Neurosurgery Focus 8 (1): Article 1, 2000.
39. Thorell William, **Aarabi B**: History of neurosurgical techniques in head trauma. Neurosurgery Clinics of North America, January 2001.
40. **Aarabi B**, Alden TD, Chestnut RM, et al: Management and Prognosis of Penetrating Brain Injury. J Trauma 51 (Suppl): S1-S86, 2001.
41. Dutton RP, Scalea TM, **Aarabi B**: Prioritizing surgical needs in the patient with multiple injuries: Problems In Anesthesia 13:310-321, 2001.
42. Qiu J, Whalen MJ, Lowenstein P, Fiskum G, Fahy B, Darwish R, **Aarabi B**, Yuan J, Moskowitz MA: Upregulation of the Fas receptor death-inducing signaling complex after traumatic brain injury in mice and humans. J Neurosci 22(9): 3504-11, 2002
43. Dutton RP, Sewell J, **Aarabi B**, Scalea TM: Preliminary trial of a noninvasive brain acoustic monitor in trauma patients with severe closed head injury. J Trauma 53:857-63, 2002
44. **Aarabi B**: Management of Missile Head Wounds. Neurosurgery Quarterly 13(2): 87-104, 2003
45. Joseph DK, Dutton RP, **Aarabi B**, Scalea TM: Decompressive laparotomy to treat intracranial hypertension after traumatic brain injury. J Trauma 57: 687-93, 2004
46. Martin JE, Mehta R, Aarabi B, Ecklund JE, Martin AH, Ling GS: Intracranial insertion of a nasopharyngeal airway in a patient with craniofacial trauma. Mil Med 169: 496-7, 2004

47. Como JJ, Sutton ER, McCunn M, Dutton RP, Johnson SB, **Aarabi B**, Scalea TM. Characterizing the need for mechanical ventilation following cervical spinal cord injury with neurologic deficit. *J Trauma* 59: 912-6, Oct 2005
48. **Aarabi B**, Hesdorffer DC, Ahn E, Aresco C, Scalea TM, Eisenberg HM: Outcome following decompressive craniectomy for malignant swelling following severe head injury. *J. Neurosurgery* 104: March 2006, accepted for publication.
49. Fehlings MG, Furlan JC, Massicotte EM, Arnold P, **Aarabi B**, Harrop J, Anderson DG, Bono CM, Dvorak M, Fisher C, France J, Hedlund R, Madrazo I, Nockels R, Rampersaud R, Rehtine G, Vaccaro AR; Spine Trauma Study Group. Interobserver and intraobserver reliability of maximum canal compromise and spinal cord compression for evaluation of acute traumatic cervical spinal cord injury. *Spine* 31: 1719-25, July 2006
50. Miyajiri F, Furlan JC, **Aarabi B**, Arnold PM, Fehlings MG: Correlation of MRI findings with neurological outcome in patients with acute traumatic spinal cord injury: a prospective study in 100 consecutive patients. *Radiology* 2007, in Press.
51. Anderson PA, Moore TA, Davis KW, Molinari RW, Resnick DK, Vaccaro AR, Bono CM, Dimar JR, **Aarabi B**, Levenson G, The Spinal Trauma Study Group. The cervical spine injury severity score: assessment of reliability. (*JBJS*) *Journal of Bone and Joint Surgery* 2007, in Press

## Books

1. An introduction to the treatment of craniocerebral battle wounds. **Bizhan Aarabi** (ed), Office of the Vice-Chancellor for Research. Shiraz University Press, 1987.
2. Beyond Coma: Brain Death, **Bizhan Aarabi** (ed) Parvaz Press, Shiraz, Iran, 1993, 150 pages.
3. Missile Injuries of the Head and Neck. **Bizhan Aarabi** and Howard Kaufman (eds), American Association of Neurological Surgeons Publications Office, New Hampshire, 1999.

## Book Chapters

- 1 Long DM, Arce-Puyo C, Epstein MH, and **Aarabi B**: Role of Dibutyryl Cyclic Adenosine 3, 5-Monophosphate in the Genesis of Brain Edema, in J Cervos-Navarro & R Ferszt (ed) *Advances in Neurology* Vol 28: Brain Edema, Pathology, Diagnosis and Therapy. New York; Raven press, 1980, pps: 231-239.
- 2 **Aarabi B**: Neurological Complications in Beta-Thalassemia, in Haghshenas M and Zamani A (eds), *Thalassemia; Diagnosis and Management*. Shiraz University Press, Shiraz, Iran, 1996.
- 3 Ahmadi J, Levy ML, **Aarabi B**, Giannota SL: Vascular Lesions Resulting From Head Injury, in Robert H Wilkins, & Setti S Rengachary (eds) *Neurosurgery, Second Edition Volume II*; McGraw-HILL, NY, 1996, pps:2821-2840.
- 4 **Aarabi B**: Alvin M Earle Outline of Neuroanatomy Revised Edition. University of Nebraska Medical Center, Section of Neurosurgery, 1997, pp 150.

- 5 **Aarabi B** (editor), Kaufman H (coeditor), Levy M, George E, and Dagi T (consultant editors): *Missile Wounds of the Head and Neck (Volumes I and II)*. AANS Publications (Topics Series). New Hampshire, release date June, 1999.
- 6 **Aarabi B**: History of the Management of Craniocerebral Wounds, in Aarabi, Kaufman H (eds): *Missile Wounds of the Head and Neck, Volumes I and II*. The American Association of Neurological Surgeons Publications, Neurosurgical Topics. Lebanon, New Hampshire, 1999, pp 3-16.
- 7 Salazar AM, **Aarabi B**, Levi L, and Feinsod M: Posttraumatic Epilepsy Following Craniocerebral Missile Wounds in Recent Armed Conflicts, in Aarabi, Kaufman H (eds): *Missile Wounds of the Head and Neck, Volumes I and II*. The American Association of Neurological Surgeons Publications, Neurosurgical Topics. Lebanon, New Hampshire, 1999, pp 281-292.
- 8 **Aarabi B**, Taghipour M, Kamgarpour A, Alibaii E: Traumatic Intracranial Aneurysms Due to Craniocerebral Missile Wounds, in Aarabi, Kaufman H (eds): *Missile Wounds of the Head and Neck, Volumes I and II*. The American Association of Neurological Surgeons Publications, Neurosurgical Topics. Lebanon, New Hampshire, 1999, pp 293-314.
- 9 **Aarabi B**: Cranial Nerve Injuries at the Skull Base After Craniocerebral Missile Wounds, in Aarabi, Kaufman H (eds): *Missile Wounds of the Head and Neck, Volumes I and II*. The American Association of Neurological Surgeons Publications, Neurosurgical Topics. Lebanon, New Hampshire, 1999, pp343-351.
- 10 Dutton R, Scalea T, **Aarabi B**: Problems in Anesthesia, Trauma Care Volume 13, Number 3. Prioritizing Surgical Needs in the Patient with Multiple Injuries. Lippincott Williams & Wilkins, 2001, pp310-321.
- 11 **Aarabi B**, Eisenberg H, Murphy K, Morrison C, and Weinmann M: *Textbook of Neurointensive Care*. Traumatic Brain Injury: Management and Complications. Saunders 2004, pp771- 794.
- 12 **Aarabi B**, O'Malley B, Martin J, and Eisenberg H: Cranial and Peripheral Nerve Surgery. Surgical Management of CSF Leaks. Thieme New York, hasn't been released.
- 13 **Aarabi B**, Eisenberg H, Ahn E, Chiu W, Wintermark M: Minimally Invasive Procedures in Traumatic Brain Injury. Peter Black and Mark Proctor (editors) Humana Press Inc, Totowa, NJ 2005, pp 399-420.
- 14 **Aarabi B**, O'Malley B, Martin J, and Eisenberg H: Surgical Management of Cerebrospinal Fluid Leaks. Atlas of Neurosurgical Techniques, Thieme New York 2006, pp 927-937.

### **Multimedia**

1. **Aarabi B**, Videotapes. Trauma and Brain Injury. Shiraz University of Medical Sciences. 1984

### **Major Invited Speeches or Talks**

1. The value of statistics in post war reconstruction research. Presented at the 1987 Congress of Postwar Reconstruction Annual Meeting, Shiraz, Fars, Iran.
2. CNS infections due to missile head wounds. Presented at the 1988 Sina Medical Congress Annual Meeting, Tehran, Iran.

3. The Present Perspective of Neurosurgery in IRAN. Presented at the Iowa Midwest Neurosurgical Society Meeting, Omaha, Nebraska, U.S.A., October 14, 1989.
4. Traumatic Aneurysms. Presented at Neurosurgery Grand Rounds, University of Nebraska Medical Center, Omaha, Nebraska, U.S.A., December 13, 1989
5. Brain Death. Presented at the Fourth International Congress of Geographic Medicine, held in 1991 in Shiraz, Fars, Iran.
6. Orbital Tumors. Presented at Neurosurgery Grand Rounds, University of Nebraska Medical Center, Omaha, Nebraska, U.S.A., April 1, 1992.
7. Management of Traumatic Intracranial Aneurysms. Presented at the Annual Meeting of the Pakistan Society of Neurosurgeons, Lahore, Pakistan, February 1993.
8. Traumatic Aneurysms. Presented at 5th Annual Surgical Conference, U.A.E. Abu Dhabi, December 13-15, 1994.
9. Traumatic Aneurysms: As a guest speaker at the Johns Hopkins Hospital, Department of Neurosurgery, February 14, 1996.
10. Brain Death: Presented at the '*ORGAN TRANSPLANTATION SYMPOSIUM*' on May 3, 1997, Shiraz University of Medical Sciences, Shiraz, Iran.
11. Traumatic intracranial aneurysms (TICA) due to penetrating brain injury. Luncheon Seminar. Presented at the 50<sup>th</sup> Anniversary of the Congress of Neurological Surgeons held in San Antonio, Texas September 23-28, 2000
12. October 21 at 9 am: Nursing School UMMS, "Special Topics in Trauma Nursing". My talk was "management of penetrating head injury". One hour.
13. November 5, 2000: Garret Community College, Western Maryland. EMS symposium on Trauma. Invited Speaker. Topic: "Management of Head and Spine injuries" 2 hours.
14. November 9, 2000: Essex Community College. Course on "Head Neck and Spine". Paramedic Program. 2 \_ hours.
15. Current Standards of Care for the Traumatic Brain Injury Patient, Western Maryland Health System, April 2003
16. May 2003: Timing of Surgery in Cervical Spine Injuries, Annapolis Maryland.
17. June 1, 2004: Lecture at the Prince George's Hospital. The title of the speech was "Guidelines for Management of Severe Head Injury".
18. April 28, 2005: Lecture at University of Maryland Express Care Eastern Shore Program. Topic: ICP Control and Management.
19. May 3, 2005: Lecture at John Hopkins Hospital. Topic: Decompressive craniectomy for severe head injury.
20. May 12- 14, 2005: STSG (Spine Trauma Study Group) held in Dallas Texas. Topic: Surgical Management of SCI, Late Surgery.
21. May 16-17, 2005: NIH Meeting in New York. Topic: TBI, Clinical Trials Meeting.

22. October 17, 2006: Decompressive Craniectomy presented at the Grand Rounds held at the George Washington University Medical Center, Department of Neurosurgery

### **Presentations, International meetings**

1. Transseptal-transsphenoidal microadenectomy of pituitary tumors. Presented at the 1985 Shiraz Surgical Society Annual Meeting, Shiraz, Fars, Iran.
2. Bacterial contamination in primary and secondary exploration of missile head wounds. Presented at the 1986 International Congress of Geographic Medicine Annual Meeting, Shiraz, Fars, Iran.
3. Traumatic aneurysms due to high velocity missile head wounds. Presented at the 1987 AANS Annual Meeting, Dallas, Texas, U.S.A.
4. Bacterial contamination of missile head wounds. Presented at the 1987 Iranian Surgical Society Annual Meeting. Tehran, Iran.
5. Central Nervous System Infections due to High Velocity Missile Head Wounds. Presented at the 1988 AANS Annual Meeting, Toronto, ONTARIO, CANADA.
6. CNS infections due to missile head wounds from Iran-Iraq War. Presented at the 1988 International Congress of Geographic Medicine Annual Meeting, Shiraz, Fars, Iran.
7. Traumatic Aneurysms, report of 20 cases. Presented at the Trauma Symposium held in 1989 in Kerman, Iran
8. Experience with neurosurgical infections during the Iran-Iraq War. Presented at the Trauma Symposium held in 1990 in Zahedan, Iran.
9. Surgical outcome in 435 patients with missile head wounds from; the frontlines of Iran-Iraq War. Presented at the 1990 Iranian Association of Surgeons Annual Meeting. Tehran, Iran.
10. Pathogenesis of traumatic aneurysms. Presented at the 1990 Iranian Association of Surgeons Annual Meeting, Tehran, Iran.
11. The current state of brain transplantation. Presented at the Fourth International Congress of Geographic Medicine, held in 1991 in Shiraz, Iran.
12. High velocity missile spinal cord injuries from the front lines of Iran-Iraq War. Presented at the 1992 Annual Congress of Modern Practice in Neurosurgery, Tehran, Iran.
13. Transzygomatic resection of orbital tumors. Presented at the annual meeting of the Iranian Neurosurgical Society, Tehran, Iran, March 10, 1992.
14. Orbital Tumors. Presented at Neurosurgery Grand Rounds, University of Nebraska Medical Center, Omaha, Nebraska, U.S.A., April 1, 1992.
15. Transzygomatic Resection of 25 Intraorbital Tumors. Iowa Midwest Neurosurgical Society Meeting, Iowa City, Iowa, May 2, 1992.
16. Transzygomatic approach to orbital tumors. Presented at the First International Congress of Base of Skull Surgery held in June 1992 in Hannover, Germany.

17. Surgical resection of jugular foramen tumors. Presented at the Annual Meeting of The Iranian Neurosurgical Society, Shiraz, Iran, Dec, 1993.
18. A comparative study of functional recovery in surgical versus conservative management of missile injuries of spinal cord during 8 years of the Iran-Iraq War. Poster # 1330, the Annual Meeting of the American Association of Neurological Surgeons. San Diego, April, 1994.
19. Post-traumatic epilepsy in 653 patients who sustained missile head wounds during the Iran-Iraq War. Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society, Omaha, NE, May 14, 1994.
20. Surgical management of petroclival meningiomas. Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society. Omaha, Nebraska, September, 1995.
21. Suprasellar extramedullary erythropoiesis: Presented at the Annual Meeting of the American Association of Neurological Surgeons from April 26-May 3, 1996 in Minneapolis Minnesota.
22. Missile Injuries of the Spinal Cord: Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society, May 18, 1996, Kansas City, Kansas.
23. Post-Traumatic Epilepsy: Presented at the Annual Meeting of the American Association
24. of Neurological Surgeons from April 26-May 3, 1996 in Minneapolis Minnesota.
25. Central Nervous System Infections After Military Missile Head Wounds: Presented at The 10<sup>th</sup> International Congress of Geographic Medicine & 6<sup>th</sup> Iranian Congress of Infectious and Tropical Diseases. Nov 10-13, 1997, Shiraz Iran.
26. Orbitofrontal and Transzygomatic approach to orbital tumors. Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society, held in Lincoln NE, November 3, 1998.
27. Mortality following missile head wounds (Experience from Iran-Iraq War). Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society, held in Lincoln NE, November 3, 1998.
28. Cranial nerve injuries at the skull base due to missile head wounds. Presented at the Annual Meeting of the Iowa Midwest Neurosurgical Society, held in Omaha NE, June 12, 1999
29. Cranial nerve injuries at the base of skull due to penetrating head injury. Presented at the International Meeting of Skull Base Surgery held in Mashad, Iran from September 11-15, 1999.
30. The relationship between contamination and infection in penetrating brain trauma: A multivariate analysis. Presented at the 50<sup>th</sup> Anniversary of the Congress of Neurological Surgeons held in San Antonio, Texas September 23-28, 2000
31. Decompressive Craniectomy held at the Alhada Armed Forces hospital in Saudi Arabia, May 9-10, 2005.
32. Guidelines for Management of Penetrating Brain Injury held at the Alhada Armed Forces hospital in Saudi Arabia, May 9-10, 2005.