

Curriculum Vitae



Personal Information

Surname: **Arjmand**

Name: **Babak**

Gender: Male

Date of Birth: 21/04/1973

Birth Place: Urmieh, Iran

Marital State: Married

Children: One

Address: **Brain and Spinal Injury Repair Research Center/Endocrinology and Metabolism Research Institute**, Imam Khomeini Hospital, Tehran, Iran

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Research Interest

- Human cell and tissue banking
- Regenerative medicine using cell and tissue culture techniques
- Translation of basic research into clinical application
- Quality control and risk management in clinical grade cell manufacturing
- Regulatory and Safety issues in cell and tissue transplantation

Education

- 2011 **PhD Candidate**, Cellular and molecular medicine, Stem cell therapy, Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences, Tehran, Iran
- 1992-1998 **Medical Doctor**, School of medicine, Iran University of Medical Sciences, Tehran, Iran
MD Thesis title: Comparative study of Obsessive Compulsive Personality Disorder between medical and literary student
- 1988-1991 **Diploma in Mathematics and Physics**, Chamran high school science, Urmieh, Iran

Courses

- 2010 **Quality Management System (ISO 15189: 2007)-Lead Assessment-** BRS Company (US), Feb 2011, Dubai, UAE
- 2009 **Quality Management System (ISO 13485: 2003)-Awareness & Documentation-** BRS Company (US), Sept 2009, Tehran, Iran
- 2008 **Quality Management System (ISO 9001: 2000) - Internal Audit-** C.I.U.K academy, Certification International, 24 Jan 2008, Tehran, Iran
- 2008 **Quality Management System (ISO 9001: 2000) -Awareness & Documentation -** C.I.U.K academy, Certification International, 5-6 Jan 2008, Tehran, Iran
- 2007 **Practical Workshop in Tissue Banking**, National University Hospital, NUH Tissue Bank, 16-19 April 2007, Singapore
- 2006-2007 **IAEA/NUS Diploma Course in Tissue Banking**, National University of Singapore, Medical School, Singapore
- 2007 **Scientific writing (preliminary course)**, Tehran University of Medical sciences, Tehran, Iran

Skills

Cell & Tissue Manufacturing

- **Human cell culture techniques**
 - ✓ Human Schwann cell Culture
 - ✓ OEC cultivation
 - ✓ Isolation and culture of human Mesenchymal Stem cells (Fat and Bone marrow)
 - ✓ Isolation and purification of fetal hematopoietic and Mesenchymal stem cells
 - ✓ Pancreatic islet isolation & purification
 - ✓ Cryopreservation techniques and cell banking

- **Tissue Processing**
 - ✓ Trimming and processing of Heart valves
 - ✓ Trimming and processing of musculoskeletal tissues (bones and soft tissues)
 - ✓ Processing of amniotic membrane (cryopreserved and dry membrane)
 - ✓ Processing of skin allograft
 - ✓ Cryopreservation techniques for soft tissues

- **Tissue Procurement coordination**
 - ✓ Donor screening
 - ✓ Family interview
 - ✓ Informed consent processes

- **Organ procurement coordination**
 - ✓ Organ donation process coordination
 - ✓ Potential donor identification
 - ✓ Brain death determination
 - ✓ Donor maintenance

- **Project management (Cell & Tissue Banking)**
 - ✓ Establishment of cell & tissue banks according to international quality standards
 - ✓ Familiar with clean room guidelines and disciplines
 - ✓ GMP planning (focus on design, technical requirement and personnel)
 - ✓ Implementation of quality management system (Base on ISO and tissue banking standards)

- **Computer**
 - ✓ Familiar with: MS Windows, MS Word, MS PowerPoint, MS Excel, Internet

Language

- Confluent in English language
- Farsi (Native)
- Turkish (Native)

Positions & Professional Experiences

2010- Present	Scientific Advisor , Fetal stem cell bank, <i>Endocrinology and Metabolism Research Institute</i> , Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran
2009- Present	Managing Director , Clinical grade cell and tissue manufacturing facilities, <i>Brain and Spinal Injury Research Center</i> , Emam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2008- Present	Researcher , Cell Transplantation Team, <i>Endocrinology and Metabolism Research Institute</i> , Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran
2007- Present	Director & Production Manager , <i>Homa Peyvand Tamin tissue bank</i> , Social Security Investment Company, Tehran, Iran
2007-2009	Researcher , Cell culture laboratory-clean room unit, <i>Brain & Spinal Injury Research Center & Iranian Tissue Bank</i> , Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2003-2007	Scientific Director , <i>Iranian Tissue Bank</i> , Iranian Tissue Bank, Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2002- 2007	Medical Director , <i>Tissue Processing Unit</i> (Clean room Unit), Iranian Tissue Bank. Imam Khomeini Hospital. Tehran, Iran
2001-2002	Chief of Organ & Tissue Procurement Coordinators , <i>Tissue & Organ Procurement Unit</i> , Iranian Tissue Bank
2000-2001	Organ & Tissue Procurement Coordinator , <i>Tissue & Organ Procurement Unit</i> , Iranian Tissue Bank
1998-2000	Military Service , <i>Military Hospital</i> , Urmieh, Iran

Setting Up & Implementation

- 2010 Establishment, equipping and running of fetal stem cell bank, Endocrinology and Metabolism Research Center, Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran
- 2009 Establishment, equipping and running of cGMP cell manufacturing facility, Clean Room Unit, *Brain & Spinal Cord Injury Repair Research Center*, Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
- 2007 Establishment, equipping and running of Homa Peyvand Tamin tissue bank, Social Security Investment Company, Tehran, Iran

Publications

International:

- 2012 Aghayan HR, Goodarzi P, Baradaran-Rafii A, Larijani B, Moradabadi L, Rahim F, **Arjmand B. Bacterial contamination of amniotic membrane in a tissue bank from Iran.** Cell Tissue Bank, DOI: 10.1007/s10561-012-9345-x
- 2012 Ghodsi M, HeshmatR, Amoli MM, Keshtkar AA, **Arjmand B**, Aghayan HR, Hosseini P, Sharifi AM, Larijani B. **The Effect of Fetal Liver-Derived Cell Suspension Allotransplantation on Patients with Diabetes: First Year of Follow-up.** Acta Medica Iranica, 2012; 50(8): 541-546.
- 2011 **Arjmand B**, Emami-Razavi SH, Larijani B, Norouzi-Javidan A, Aghayan HR. **The implementation of tissue banking experiences for setting up a cGMP cell manufacturing facility.** Cell Tissue Bank, DOI: 10.1007/s10561-011-9276-y
- 2011 Larijani B, **Arjmand B**, Amoli MM, Ao Z, Jafarian A, Mahdavi-Mazdah M, Ghanaati H, Baradar-Jalili R, Sharghi S, Norouzi-Javidan A, Aghayan HR. **Establishing a cGMP pancreatic islet processing facility: the first experience in Iran.** Cell Tissue Bank, DOI: 10.1007/s10561-011-9273-1
- 2011 Saberi H, Firouzi M, Habibi Z, Moshayedi P, Aghayan HR, **Arjmand B**, Hosseini K, Razavi HE, Yekaninejad MS. **Safety of intramedullary Schwann cell transplantation for postrehabilitation spinal cord injuries: 2-year follow-up of 33 cases.** J Neurosurg Spine, DOI: 10.3171/2011.6.SPINE10917

- 2011 Aghayan, H.R., **Arjmand**, B., Norouzi-Javidan, A., Saberi, H., Soleimani, M., Tavakoli, S.A.H., Khodadadi, A., Tirgar, N., and Mohammadi Jahani, F. **Clinical Grade Cultivation of Human Schwann Cell, by Using Human Autologous Serum Instead of Fetal Bovine Serum and without Growth Factors.** Cell Tissue Bank, DOI: 10.1007/s10561-011-9250-8, 2011
- 2011 M Yaghoubi, HR Aghayan, B **Arjmand**, SH Emami-Razavi. **Cost-effectiveness of homograft heart valve replacement surgery: an introductory study.** Cell Tissue Bank, DOI 10.1007/s10561-009-9165-9
- 2010 HR Aghayan, M Mahdavi-Mazdeh, P Goodarzi, **B Arjmand**, SH Emami-Razavi **B Arjmand**, SH Emami-Razavi. **Coding and Traceability in Iran.** Cell Tissue Bank. 11:397–400. DOI 10.1007/s10561-010-9224-2
- 2009 HR Aghayan, **B Arjmand**, SH Emami-Razavi, A Jafarian, AR Shabanzadeh, F Jalali, P Goodarzi, S Jebelifar. **Organ donation workshop - A survey on nurses' knowledge and attitudes toward organ and tissue donation in Iran.** Int J Artif Organ. 2009 Oct;32(10):739-44
- 2009 **B. Arjmand**, H.R. Aghayan, P. Goodarzi, S.H Emami-Razavi, A. Jafarian, B. Larijani, K. Khaloghi, E. Charmchi, , F.Arjmand. **Knowledge and Attitude of Donor Cardholders Toward Organ and Tissue Donation in Iranian Tissue Bank: A Case- Control Study.** Transplantation Proceeding 2009; 41(7): 2715-7
- 2009 **B.Arjmand**,HR.Aghayan,P.Godarzi,M.Farzanehkhah,SMJ.Mortazavi, MH.Niknam,A.Jafarian,F.Arjmand,F.Arjmand,S.Jebelly-far. **Seroprevalence of human T Lymphotropic virus (HTLV) among tissue donors in Iranian tissue bank.** Cell Tissue Bank 2009; 10(3): 247-52
- 2008 SAH. Tavakoli, AP. Shabanzadeh, **B. Arjmand**, HR. Aghayan, B. Nozary Heshmati, SH. Emami Razavi, H. Bahrami Nasab. **Comparative Study of Depression and Consent Among Brain Death Families in Donor and Nondonor Groups From March 2001 to December 2002 in Tehran.** Transplantation Proceedings 2008; 40: 3299–3302
- 2008 H.Saberi, P.Moshayedi, H.R.Aghayan, **B.Arjmand**, S.K.Hosseini, S.H. Emami-razavi, V.Rahimi-Movaghar, M.Raza, M.Firouzi.

Treatment of chronic thoracic spinal cord injury patient with autologous Schwann cell transplantation: An interim report on safety. Neuroscience Letters 443 (2008) 46–50

National:

- 2011 M Yaghoubi, **B Arjmand**, SH Emami-Razavi, A Khodadadi, AM Ahmadi HR Aghayan. **Cost-effectiveness of homograft heart valve replacement surgery: an introductory study.** Journal of Medical Council of Islamic Republic of Iran 2008; 28(4):403-410
- 2010 **B.Arjmand**, SH Aghayan, A Shabanzadeh, A Norouzi Javidan, H Saberi, SK Hosseini, SH Emami-Razavi, M Soleimani. **Assessment of Schwann cell purity cultured in autologous human serum for spinal cord injury repair.** Feyz, Journal of Kashan University of Medical Sciences, Summer 2010;14(2):107-111.
- 2009 B.Arjmand,HR Aghayan, P.Godarzi,M.Farzanehkhah,SMJ.Mortazavi, MHNiknam,A.Jafarian,F.Arjmand,F.Arjmand,S.Jebelly-far. **Seroprevalence of human T Lymphotropic virus (HTLV) among tissue donors in Iranian tissue bank.** Journal of Medical Council of Islamic Republic of Iran 2009, 27(2):196-201
- 2008 A.Karimi-Yazdi, AA. Sazgar, H R.Aghayan , S M.Sadrhoseini, **B.Arjmand** , A.Tavasoli , S H. Imamirazavi .**Auricular reconstruction in patients with congenital microtia using homograft costal cartilage prepared by the Iranian Tissue Bank.** Tehran University Medical Journal 2008; 66 (9): 658-663
- 2008 SSh.Sadr, AP.Shabanzadeh, A.Ghafari,S.AH.Tavakoli, B.Nozaary Heshmati, **B.Arjmand**,HR.Aghayan,M.Toshih. **Knowledge and attitude toward organ and tissue donation among intensive care unit nurses.** Journal of the Islamic Countries Organisation for Forensic Medicine 2008; 4: 38-43
- 2008 **B. Arjmand**, H.R. Aghayan, P. Goodarzi, S.H Emami-Razavi, A. Jafarian. **Knowledge and Attitude of Donor Cardholders Toward Organ and Tissue Donation in Iranian Tissue Bank: A Case-Control Study.** Journal of Medical Council of Islamic Republic of Iran, 2008;
- 2007 M.Golestani, H.R. Aghayan, **B.Arjmand**, A Kazemian, A.H Tavakoli, S.K Hoseini, F Tirgari, S.M.J Mortazavi. **Effect of**

Ethylene Oxide Sterilization on the Osteoinductivity of Demineralized Allograft Bone Powder. Feyz journal of kashan university of medical sciences, 2007; 11(4): 1-6

- 2007 M Ghadri Golestani, A Kazemian, *B Arjmand**, H.R Aghayan, S.K Hoseini, F Tirgari, P Ghahari, S.M.J Mortazavi. **Effect of Gama Irradiation Sterilization on the Osteoinductive Capacity of Demineralized Bone Matrix.** Journal of Medical Council of Islamic Republic of Iran, 2007; 25(1): 9-16
- 2007 M Baradaran Rafiee, H.R Aghayan, *B Arjmand.*,M.A Javadi,B Barazandeh. **Amniotic Membrane Transplantation.** Iran Ophthalmic Res, 2007; 2(1): 58-75
- 2007 E RavanAsa, R Moniri, H Emami Razavi, H.R Aghayan, A Rasoli, *B Arjmand.* **A Survey on bacterial contamination of the used cardiac valves in the Iranian Tissue Bank research and preparation center during 2001 to 2006.** Feyz journal of kashan university of medical sciences, 2007; 11(1): 56-60
- 2007 A.R Baradaran-Rafii, A Rahimi, B Einollahi, M Zare, H.R Aghayan, *B Arjmand.* **Amniotic Membrane Transplantation in Acute Ocular Chemical Burns.** Bina J Ophthalmol, 2007; 12(3): 316-325
- 2006 M Baradaran Rafiee, H.R Aghayan, *B Arjmand.*,M.A Javadi,B Barazandeh **Amniotic Membrane Transplantation.** Bina J Ophthalmology, 2006; 11(4): 531-552

Proceedings

International:

- 2011 Aghayan HR, Arjmand B, Norouzi-Javidan A, Emami-Razavi SH. **The implementation of tissue banking experiences for setting up a cGMP cell manufacturing facility.** Oral presentation in Tissue Engineering & Regenerative Medicine International Society 2011 – Asia Pacific Meeting, (TERMIS- AP 2011), 3-5 Aug 2011, Singapore
- 2011 Arjmand B, Aghayan HR, Nasli-Esfahani N, Abbasi F, Larijani B. **Clinical isolation and purification of fetal hematopoietic stem cells for treatment of diabetes mellitus.** Poster presentation in: 13th

- world congress of International Pancreas and Islet Transplant Association (IPITA 2011), 1-4 Jun 2011, Prague, Czech Republic
- 2011 Larijani B, Aghayan HR, **Arjmand B**, Emami-Razavi SH. **Setting up a tissue bank for Islet preparation: a cost saving method for starting islet transplantation program in Iran.** Poster presentation in: 13th world congress of International Pancreas and Islet Transplant Association (IPITA 2011), 1-4 Jun 2011, Prague, Czech Republic
- 2011 Aghayan HR, **Arjmand B**, Amoli MM, Sharghi S, Larijani B. **Setting up a cGMP pancreatic islet processing facility: an experience from Iran.** Poster presentation in: 13th world congress of International Pancreas and Islet Transplant Association (IPITA 2011), 1-4 Jun 2011, Prague, Czech Republic
- 2011 **Arjmand B**, Aghayan HR, Norouzi-Javidan A, Saberi H, Emami-Razavi SH, Larijani B. **CLINICAL GRADE PREPARATION OF HUMAN AUTOLOGOUS SCHWANN CELL FOR TREATMENT OF SPINAL CORD INJURY.** Oral presentation in: Tissue Engineering and Regenerative Medicine International Society - European meeting 2011 (TERMIS-EU 2011), 7-10 Jun, Granada, Spain
- 2011 **Arjmand B**, Aghayan HR, Lajani B, Maanavi SM. **ECTOPIC PREGNANCY CONCEPTUS: PROBABLY A NOVEL ETHICAL SOURCE OF EMBRYONIC / FETAL STEM CELL RESEARCH AND THERAPY IN ISLAMIC COUNTRIES.** Oral presentation in: Tissue Engineering and Regenerative Medicine International Society - European meeting 2011 (TERMIS-EU 2011), 7-10 Jun, Granada, Spain
- 2011 Aghayan HR, **Arjmand B**, Larijani B, Manavi SM. **STATUS OF CELL TRANSPLANTATION IN IRAN.** Poster presentation in: Tissue Engineering and Regenerative Medicine International Society - European meeting 2011 (TERMIS-EU 2011), 7-10 Jun, Granada, Spain
- 2008 H.R. Aghayan, **Arjmand B**, M.Mahdavi-Mazdeh, P. Goodarzi. **Tissue Banking in Iran: 14 years experience of Iranian Tissue Bank.** Oral presentation in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 H.R. Aghayan, **B. Arjmand**, A. Jafarian, S. Jebelifar, F. jalali, P. Goodarzi, A.H Tavakoli. **Organ Donation Workshop- A Survey on Nurses' Knowledge and Attitudes Toward Organ and Tissue Donation.** Poster presentation in 11th congress of Middle East

Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran

- 2008 **B. Arjmand**, HR. Aghayan, P. Goodarzi, A. Jafarian, M. Mahdavi, A. Shabanzadeh, AH. Tavakoli. **Knowledge and Attitude of Donor Cardholders Toward Organ and Tissue Donation in Iranian Tissue Bank: A Case- Control Study. Poster presentation** in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 **B. Arjmand**, HR. Aghayan, P. Goodarzi, MH. Niknam, M. Farzanehkhah, F. Khosravi **Tissue allograft Discards Secondary to Serology in Iranian Tissue Bank(2002-2007). Poster presentation** in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 SAH.Tavakoli, B.Nozaari, B.Heshmati, HR.Aghayan, **B.Arjmand**, AP. Shabanzadeh, SH.Emami-Razavi, S.Gholami. **Assessment of psychiatric disorders and their treatments in patient waiting for organ & tissue transplantation. Poster presentation** in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 H. Saberi, P. Moshayedi, H.R Aghayan, **B. Arjmand**, K. Hosseini, M. Firoozi, S. Sarkar, H. Emami, A. Noroozi, M.R Hadian, M.R Omidzohoor, A.R Khoshnevisan. **Preliminary results of Schwann cell transplantation for chronic spinal cord injuries. Poster presentation** in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 AP.Shabanzadeh, B.Nozaari-Heshmati, **B.Arjmand**, HR.Aghayan, MM. Daemi , MR.Toshih. Internist, Urologist and nephrologists knowledge and attitude toward organ and tissue donation and transplantation in emergency and intensive care units. **Poster presentation** in 11th congress of Middle East Society for Organ Transplantation (MESOT), 17-20 Nov 2008, Shiraz, Iran
- 2008 H. Saberi, P. Moshayedi, H.R Aghayan, **B. Arjmand**, K. Hosseini, M. Firoozi, S. Sarkar, H. Emami, A. Noroozi, M.R Hadian, M.R Omidzohoor, A.R Khoshnevisan. **Preliminary results of Schwann cell transplantation for chronic spinal cord injuries. 10th Spinal Research Network Meeting. London, UK**
- 2008 H. Saberi, M. Firoozi, P. Moshayedi, H.R Aghayan, **B. Arjmand**,; K. Hosseini, M.R Omidzohoor; H. Emami; S.Sarkar **.Preliminary Results of Schwann Cell Transplantation for Chronic Spinal**

Cord Injuries. Congress of Neurosurgical Surgeons (2008 annual meeting), 20-25 Sep 2008, Florida, USA

2008 H.R. Aghayan, **B.Arjmand**, M.Golestani, Farokh Tirgari. **Effect of Ethylene Oxide Sterilization on the Osteoinductivity of Demineralized Allograft Bone Powder.** Oral presentation in 5th World Congress on Tissue Banking. 2-6 Jun 2008 , Kuala Lumpur, Malaysia

2008 **B.Arjmand**, H.R. Aghayan, M.Golestani, F.Azmoudeh Ardalan. **Effect of Gamma Irradiation Sterilization on the Osteoinductive Capacity of Demineralized Bone Powder.** Presented in 5th World Congress on Tissue Banking. 2-6 Jun 2008 , Kuala Lumpur, Malaysia

2008 **B. Arjmand**, H.R.Aghayan, P.Goodarzi, A.Jafarian. **Knowledge and Attitude of Donor Cardholders Toward Tissue and Organ Donation in Iranian Tissue Bank: A Case- Control Study.** Presented in 5th World Congress on Tissue Banking. 2-6 Jun 2008 , Kuala Lumpur, Malaysia

2007 **B Arjmand**, H.R Aghayan, S. M.J Mortazavi, M Farzanehkah, P Goodarzi, L Khatibshad, E Ravanasa, A Hosseinkhani.**Tissue donor Discards Secondary to Serology in Iranian Tissue Bank(2002-2007). Oral Presentation** in 16th International Congress of the European Association of Tissue Banks, 17-20 October, 2007, Budapest, Hungary

2006 H Saberi, PMoshayedi, H.R Aghayan, **B Arjmand**, K Hoseini, M Firoozi, S Sarkar. **Preliminary Result Of Schwann Cell Transplantation For Treatment of Chronic Spinal Cord Injuries. Oral Presentation** in 2nd International Congress Emirate Neuroscience Society. 28-30 Oct 2006, Dubai,U.A.E

National:

2013 P. Goodarzi, **B. Arjmand**, H.R. Aghayan, *M. Sahebjam, F. Ghaderi*, F. Mohamadi-Jahani, A. Norouzi-javidan, H. Emami-Razavi. **Karyotype evaluation of human Schwann cells, after expansion and several passages. Oral presentation. 4th national congress on spinal cord injuries, 13-15 Feb 2013, Tehran, Iran.**

2013 H.R. Aghayan, **B. Arjmand**, A. Norouzi-javidan, *P. Goodarzi*. **The current state of clinical cell transplantation in Iran. Poster**

- 2007 **B Arjmand, H.R Aghayan, S. M.J Mortazavi. Iranian Tissue Bank: 13 years experience in bone banking. Oral Presentation** in 1st National Congress of Bone Graft and Bone Graft Substitute. 29-30 November, 2007, Tehran, Iran
- 2007 H.R Aghayan, **B Arjmand, S. M.J Mortazavi. Bone and Soft Tissue Banking: Safety and Standarads. Oral presentation** in 1st National Congress of Bone Graft and Bone Graft Substitute. 29-30 November, 2007, Tehran, Iran
- 2007 B Arjmand. **Human Schwann Cell Culture- Iranian Tissue Bank Experience. Oral Presentation in 4th National Congress of Spinal Cord Injury.** 20 Jun 2007, Imam Khomeini Hospital, Tehran, Iran
- 2006 M.M Sultan Dallal, K Hosseini, A.G Jabbari, H.R Aghayan, **B.Arjmand. Primary Study of Amniotic membrane antibacterial properties in the Laboratory. Poster presentation** in The 8th National Congress of Microbiology. 23-25 May 2006, Isfahan, Iran
- 2005 H Emami Razavi, H.R Aghayan, **B Arjmand. A Review of Tissue Banking in Iran.** An Educational Booklet for Health Professionals about Tissue Donation. Iranian Tissue Bank. Nov 2005
- 2004 M Golestani, K Hosseini, H.R Aghayan, A.G Jabbari, **B.Arjmand. Surveying of Viral Contamination in Donated Tissues during 2002 in Iranian Tissue Bank. Poster presentation** in The 2nd Iranian Congress of Virology. Feb 2004, Tehran, Iran

Invited Lectures

- 2013 **Clinical preparation of human Schwann cell for treatment of spinal cord injured patients. Oral presentation. 4th national congress on spinal cord injuries, 13-15 Feb 2013, Tehran, Iran.**
- 2005 **Ethical and Legal aspects of Organ & Tissue Transplantation in Iran. Iranian Red Crescent Society.** Zanjan, Iran. Sept 2005
- 2005 **Ethical and Legal aspects of Organ & Tissue Transplantation. Organ & Tissue Procurement Workshop.** Nekoe Hospital, Qom University of Medical Sciences. Qom, Iran. Jun 2005
- 2005 **Role of Transplant Coordinator in Organ Donation Process. Organ & Tissue Procurement Workshop.** Nekoe Hospital, Qom University of Medical Sciences. Qom, Iran. Jun 2005

- 2005 **Role of Organ & Tissue Procurement Coordinators.** *The 1st Workshop for Nurses: Organ & Tissue Donation and Transplantation.* Iranian Tissue Bank. Tehran, Iran. Jun 2005
- 2005 **Medical Aspects of Brain Death and Organ Donation.** *The 1st Workshop for Social Workers: The Role of Social Workers in Organ Donation Process.* Ministry of Health, Deputy of Health. Tehran, Iran. Mar 2005
- 2004 **Evaluation of Brain Dead Donor.** *Workshop for Organ Procurement Coordinators: Organ Procurement from Brain Dead Donor.* Management Center for Transplantation and Special Diseases. Tehran, Iran. 24-25 Jan 2004

Research Projects

- 2008-2010 **Cytogenetic evaluation of human Schwann cell after processing and different subcultures.** Supported by Research Affair of Tehran University of Medical Sciences. Brain and Spinal Injury Research Center, Tehran, Iran.
- 2007-2010 **Effect of Schwann cell transplantation in Patient with Spinal Cord Injury – Phase II clinical trial study.** Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.
- 2005-2007 **Effect of Schwann Cell Transplantation in Patient with Spinal Cord Injury: Sensorimotor and Magnetic Resonance Imaging Evaluation.** Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.
- 2006-2008 **The Grafting Result of Cryopreserved Arterial Scaffold in sheep's Aorta and Carotid Artery.** Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.
- 2006-2006 **The Survey of Antibiotic Cocktail Effectiveness on the Heart Valve Sterility in Iranian Tissue Bank.** Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.
- 2005- 2006 **Assessment of Psychiatric Disorder and their treatment in patient awaiting Organs and Tissues Transplantation.** Supported

by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.

- 2005-2006 **Knowledge and attitude of volunteers who sign Donor card towards organ and tissue donation in Iranian Tissue Bank.** *Ongoing Project*, Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.
- 2005-2006 **Viability Assessment of Tumor cells that banked (at -196°C) in Iranian Tissue Bank.** Supported by Research Affair of Tehran University of Medical Sciences. Iranian Tissue Bank, Tehran, Iran.

Membership

- 2011 Individual Member of **Tissue Engineering & Regenerative Medicine International Society (TERMIS)**
- 2011 Associate Member of **International Society for Stem Cell Research (ISSCR)**
- 2011 Associate Member of **International Society for Cellular Therapy (ISCT)**
- 2010 Individual Member of National expert committee of Cell & Tissue banking standardization
- 2008 Life Member of **Asia Pacific Association of Surgical Tissue Banks (APASTB)**
- 2005-Present Individual Member of **European Association of Tissue Banks (EATB)**

Patents

- **National**

- Preparation of biocompatible and biodegradable scaffold from human amniotic membrane (Reg. No: 65226 , 19.Jun.2010)
- Production of biological dressing from dehydrated human amniotic membrane for burn and chronic wound coverage (Reg. No: 65147 , 15.Jun.2010)
- Production of biological dressing from cryopreserved human amniotic membrane for wound treatment and eye surface diseases (Reg. No: 65148 , 15.Jun.2010)

