

## Curriculum Vitae



### Personal Information

Surname: **Aghayan**                      Name: **Hamid Reza**                      Gender: Male  
Date of Birth: 28/07/1974              Birth Place: Mashhad, Iran  
Marital State: Married                      Children: One  
Address: **Endocrinology and Metabolism Research Institute**, Shariati Hospital, North Kargar Ave. Tehran, Iran - Mobile Phone: +98 912 3730175/ Phone: +98 21 88220037  
E-mail: hr.aghayan@gmail.com / hr\_aghayan@farabi.tums.ac.ir

### Research Interest

- Human Cell and Tissue Banking
- Regenerative Medicine using human cell and Tissue culture Techniques
- Translation of basic research into clinical application
- Regulatory and Safety issues in cell and tissue transplantation

### Education

2011-Present                      **PhD Candidate**, Cell and Molecular Medicine, 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

1989-1992                      **Diploma** in Biology, Ashora high school for biology and experimental science, Babol-sar, Iran

### Courses

- 2011            **ISO 15189 lead assessment course** - BRS Company, Feb 2011, UAE, Dubai
- 2009            **Quality Management System (ISO 13485: 2003) - Awareness & Documentation-** BRS Company, 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 (Intermediate & Advanced)**, Tehran University of Medical sciences, Tehran, Iran

## Skills

- **Cell Processing:**
  - 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
- **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)
- **Tissue Procurement coordination:** Donor screening, Obtaining Consent from next of kin and Retrieval of different types of tissues from cadaver.
- **Organ procurement coordination:** Organ donation process coordination. Potential donor identification, Brain death determination, Obtaining Consent from next of kin
- **Tissue Processing:**

- Trimming and processing of heart valves / musculoskeletal tissues (bones and soft tissues) and amniotic membrane
  - Processing of skin allograft
  - Cryopreservation techniques for soft tissues
- **Computer**
    - Familiar with: MS Windows, MS Word, MS PowerPoint, MS Excel, Internet

## Language

- Farsi (Native)
- Confluent in English language

## Positions & Professional Experiences

2010 - Present	<b>Scientific Advisor</b> , <i>Fetal Stem Cell Bank</i> , Endocrinology and Metabolism Research Center, Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran
2008 - Present	<b>Medical Director</b> , cGMP Cell Manufacturing Facility- Clean Room Unit, <i>Brain &amp; Spinal Cord Injury Repair Research Center</i> , Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2007- Present	<b>Quality Manager</b> , <i>Homa Peyvand Tamin tissue bank</i> , Social Security Investment Company, Tehran, Iran
2007- 2010	<b>Researcher</b> , Cell Transplantation program, <i>Endocrinology and Metabolism Research Center</i> , Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran
2007-2008	<b>Researcher</b> , <i>Cell Culture Laboratory- clean room unit</i> , Brain & Spinal Cord Injury Repair Research Center, Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2002- 2007	<b>Managing Director</b> , <i>Iranian Tissue Bank</i> , Imam Khomeini Hospital, Tehran University of Medical Sciences, Tehran, Iran
2001-2002	<b>Medical Director</b> , <i>Tissue Processing Unit</i> (Clean room Unit), Iranian Tissue Bank, Tehran, Iran
2000-2001	<b>Organ &amp; Tissue Procurement Coordinator</b> , <i>Tissue &amp; Organ Procurement Unit</i> , Iranian Tissue Bank, Tehran, Iran
1999-2000	<b>Emergency ward</b> , <i>Imam Hussein General Hospital</i> , Shahrood, Iran
1998-2000	<b>Military Service</b> , <i>Military Hospital No.558</i> , Shahrood, Iran

## Setting Up & Implementations

- 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 Allograft Transplantation 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 . **Coding and traceability in Iran.** Cell Tissue Bank. 2010 Nov; 11(4):397-400.
- 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 A. Nather, L. Baoxing, M. Cassim, **HR Aghayan**, A. Eldad, J. Koller. **Case Studies from Diverse Cultural, Religious, and Economic Situations**, 8<sup>th</sup> chapter [In: R.M. Warwick, D. Fehily, S.A. Brubaker, T. Eastlund. **Tissue and Cell Donation: An Essential Guide**]; Wiley-Blackwell- USA, 2009
- 2009 B. Arjmand, **HR 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, **HR 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, 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.** Journal of Medical Council of Islamic Republic of Iran 2009, 27(2):196-201
- 2008 A.Karimiyazdi, 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.Nozy 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 Ophtalmic 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: 13<sup>th</sup> 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: 13<sup>th</sup> 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: 13<sup>th</sup> 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 ,Saber 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**, B. Arjmand, 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.Nozari-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**. 10<sup>th</sup> 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 Farzanehkhah, 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 2<sup>nd</sup> International Congress Emirate Neuroscience Society. 28-30 Oct 2006, Dubai,U.A.E

**National:**

- 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 **H.R Aghayan. 12 years Experience of Iranian Tissue Bank in Human Cell and Tissue Banking. Oral Presentation** in 4<sup>th</sup> 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 2<sup>nd</sup> Iranian Congress of Virology. Feb 2004, Tehran, Iran

## Invited Lectures

- 2007 **Vigilance and Surveillance of Human Cells and Tissues for Human Application in Iran.** *First Global V&S MAC Meeting.* Rome, Italy. 2-4 July 2007
- 2006 **Sub-Regional Cross Boundary Exchange of HCTT.** *Second Global Consultation on regulatory Requirement for Human Cells and Tissues for Transplantation (HCTT).* WHO HQ. Geneva, Switzerland. 7-9 Jun 2006
- 2006 **Status of Tissue Banking in Iran, A Brief annual report.** *Second Global Consultation on regulatory Requirement for Human Cells and Tissues for Transplantation (HCTT).* WHO HQ. Geneva, Switzerland. 7-9 Jun 2006
- 2005 **An Introduction to Organ & Tissue Procurement and Transplantation in Iran.** *Iranian Red Crescent Society.* Zanjan, Iran. Sept 2005
- 2005 **Organ & Tissue Procurement Organization in Iran.** *Organ & Tissue Procurement Workshop.* Nekoe Hospital, Qoum University of Medical Sciences. Qoum, Iran. Jun 2005

- 2005            **Organ Donor Management.** *Organ & Tissue Procurement Workshop.* Nekoe Hospital, Qom University of Medical Sciences. Qom, Iran. Jun 2005
- 2005            **Organ Procurement Organization and Tissue Banking in Iran.** *The 1<sup>st</sup> Workshop for Nurses: Organ & Tissue Donation and Transplantation.* Iranian Tissue Bank. Tehran, Iran. Jun 2005
- 2005            **Status of Organ & Tissue Donation in Iran.** *The 1<sup>st</sup> Workshop for Social Workers: The Role of Social Workers in Organ Donation Process.* Ministry of Health, Deputy of Health. Tehran, Iran. Mar 2005
- 2004            **Status of Tissue Banking in Iran.** *First Global Consultation on regulatory Requirement for Human Cells and Tissues for Transplantation (HCTT).* Health Canada. Ottawa, Canada. 29 Nov- 1 Dec 2004
- 2004            **An Introduction to Tissue Banking.** *2<sup>nd</sup> Organ Donation Workshop for Nursing.* Charity Foundation for Special Diseases, Imam Khomeini Conference hall. Tehran, Iran. 7-8 Feb 2004
- 2004            **Management of Brain Dead Donor.** *2<sup>nd</sup> Organ Donation Workshop for Nursing.* Charity Foundation for Special Diseases, Imam Khomeini Conference hall. Tehran, Iran. 7-8 Feb 2004
- 2004            **Organ & Tissue Procurement Organization.** *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**

- 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      **The Comparative Study of Mental Health and Consent in Brain Death Families in Donor Group and Non Donor Group Within Mar.2001 to Dec.2002 in Tehran.** 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.** 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)