

Curriculum Vita



1- Personal Information

Name: Mansoureh Surname: Movahedin
Date of Birth: 22/4/1962
Place of Birth: Tehran-Iran
Status of Marriage: Married with three children.
Address: Anatomical Sciences Dept. Medical Sciences Faculty, Tarbiat Modares University
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2- Educational Qualification

Degree	University	Course	Graduation Date
B.Sc.	Tehran	Physiotherapy	1987
M.Sc.	Tarbiat Modares	Anatomical Sciences	1994
Ph.D.	Tarbiat Modares	Anatomical Sciences	1999

M. Sc. Thesis: The effects of caffeine on osteogenesis of rat embryos.

Ph.D. Thesis: Ultrastructure of vitrified two cell mouse embryos after co- culturing with Vero cells.

3- Currier Qualification

Currier	From	Until
Faculty Member of Tarbiat Modares University	1994	Now
Assistant Professor of University	1999	2004
Associate Professor of University	2004	2009
Full Professor of University	2009	Now
Researcher in experimental embryology lab	1997	Now
Working in electron microscopy lab	1997	1999
Embryologist at Human I.V.F. Clinic	1999	Now
Member of Educational Council of Tarbiat Modares Medical Sciences Faculty	2001	2021
Member of Research Council of Tarbiat Modares Medical Sciences Faculty	2002	Now
Secretary of Supervisory Council of Medical Sciences Faculty	2002	2005
Member of Supervisory Council of Tarbiat Modares Uni. Medical Sciences Faculty	2002	2009
Head of Anatomical Sciences Dept. Tarbiat Modares Uni.	2003	2005
Research Deputy of Medical Sciences Faculty	2005	2009
Secretary of Tarbiat Modares University Ethical Committee	2005	2009
Member of Research Council of Tarbiat Modares University	2005	2009
Editor-in-Chief of Medical Journal of Modares	2006	2014
Member of Managing Council of Iranian Society of Reproductive Medicine	2004	2014
Scientific Secretary of the 14 th Annual Meeting of ISRM	2008	-
Secretary of Bio Safety Committee of Tarbiat Modares Medical Sciences Faculty	2007	2009
Head of Anatomical Sciences Dept. Tarbiat Modares	2010	2014
Research Deputy of Medical Sciences Faculty	2013	2019
Secretary of Bio Safety Committee of Tarbiat Modares Medical Sciences Faculty	2013	2019
Secretary of Tarbiat Modares University Ethical Committee	2013	2019
Member of Managing Council of Iranian Society of	2012	2018

Embryology and Reproductive Biology		
Member of University Audit Board	2014	2018
Dean of Medical Sciences Faculty, Tarbiat Modares University	2019	2021
Head of Tarbiat Modares University Ethical Committee	2019	2021
Head of Bio Safety Committee of Tarbiat Modares Medical Sciences Faculty	2019	2021
Advisor of University Dean in Women and Family Affairs	2016	2020
CEO of Knowledge Based Company of Ideal Gene and Cell	2020	Now
Chairman of the board of directors of Borna Noavaran Pooya Company (Knowledge Based Company)	2018	Now
Member of the board of directors of ETC Company (Knowledge Based Company)	2018	Now
Member of the board of directors of Farafan Salamat Company (Knowledge Based Company)	2020	Now
Member of the Board of Directors of Anatomical Sciences Society	2023	Now

H-Index: 23

G-Index: 33

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[https://www.modares.ac.ir/pro/academic staff/movahedm](https://www.modares.ac.ir/pro/academic_staff/movahedm)

4- Referee and Member of Editorial Board of Scientifics Journals

- * Koassar
- * Yakhteh
- * Daneshvar
- * Medical Journal of Reproduction & Infertility
- * Iranian Journal of Reproductive Medicine
- * Medical Journal of Modares: Patobiology
- * Cell Journal
- * Andrologia
- * Journal of Ethnopharmacology
- * International Journal of Fertility and Strility
- * Regenerative Biomedicine Journal

5- Research Interesting

- * Molecular Biology of Germ Cell and Preimplantation Embryo
- * Cell Therapy in Male and Female Infertility
- * Fertility Preservation and Cryopreservation of Germ Cells and Reproductive Tissues
- * Nuclear Transfer in Aged Oocyte

6- Published Articles

A- English

- 1) Valojerdi MR, **Movahedin M**, Hosseini A. Improvement of development of vitrified two cell mouse embryos by Vero cells co-culture. *Journal of Assisted Reproductive & Genetics*, 2002, 19: 31-38.
- 2) Valojerdi MR, **Movahedin M**, Hosseini A. Improvement of development of vitrified two-cell mouse embryos by Vero cell co-culture. *Journal of assisted reproduction and genetics*, 2002, 19 (1): 31-38.
- 3) **Movahedin M**. Cryopreservation of limited number of human sperm from different sources within empty zona pellucida. *Yakhteh Medical Journal (English)*, 2003, 4(16): 173-177.
- 4) Hassani H, Salsabili N, Pasbakhsh P, Hassani H, **Movahedin M**, Tiraihi T, Akbari F, Keshavarz M. Comparison of 1,2-Propanediol and ethylene glycol for Cryopreservation of slow-cooled mouse zygotes and their subsequent development. *Journal of Assisted Reproduction and Genetics*, 2003, 20(6): 234-240.
- 5) Nikpoor P, Mowla SJ, **Movahedin M**, Ziaee SAM. Reduction of CatSper gene expression in the testis of infertile men with lack of sperm motility. *Human Reproduction*, 2004, 19:1-5.
- 6) Rashidi A, **Movahedin M**, Tiraihi T. The effects of pentoxifylline on mouse epididymal sperm parameters, fertilization and cleavage rates after short time preservation. *Iranian Journal of Reproductive Medicine (English)*, 2004, 2 (2): 51 -57.
- 7) **Movahedin M**, Ajeen A, Ghorbanzadeh N, Tiraihi T, Valojerdi MR, Kazemnejad A. In vitro maturation of fresh and frozen- thawed mouse round spermatids. *Andrologia*, 2004, 36 (5): 269-276.
- 8) Koruji SM, **Movahedin M**, Rezazadeh Valojerdi M. Assessment of Epidermal Growth Factor (EGF) Effects on Development of Vitrified Mouse Morulae to the Blastocyst Stage. *Iranian Biomedical Journal*, 2004, 8 (2): 77-82.
- 9) Fathi F, Tiraihi T, Mowla SJ, Movahedin M. In vitro differentiation of CCE embryonic stem cells into neural cells. *Scientific journal of kurdistan University of Medical Sciences*, 2004, 9 (133): 1-12.
- 10) Nikpoor P, Mowla SJ, Movahedin M, Ziaee SAM, Tiraihi T. CatSper gene expression in postnatal development of mouse testis and in subfertile men with deficient sperm motility. *Human reproduction*, 2004, 19 (1): 124-128.

- 11) Katebi M, **Movahedin M**, Abdolvahabi MA, Akbari M, Abolhassani F, Sobhani A, Aoki F. Changes in motility parameters of mouse spermatozoa in response to different doses of progesterone during course of hyperactivation. *Iranian Biomedical Journal (English)*, 2005, 9(2): 73-79.
- 12) Kazemnejad A, Faradmal J, **Movahedin M**. Use of heirarchial logistic regression model to determine the impact of war injuries on clinical pregnancy rates in patients undergoing intracytoplasmic sperm injection. *Fertility and Sterility*, 2005, 84(5): 1424 - 1429.
- 13) Rashidi BH, Sarvi F, Tehrani ES, **Movahedin M**, Khanafshar N. The effect of HMG and recombinant human FSH on oocyte quality: a randomized trial single-blind clinical trial. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 2005, 120 (2): 190-194.
- 14) Anjamrooz SH, **Movahedin M**, Tiraihi T, Mowla J. In vitro effects of epidermal growth factor, follicle stimulating hormone and testosterone on mouse spermatogonial cell colony formation. *Reproduction. Fertility and Development*, 2006, 18: 709-720.
- 15) Esmaeili F, Tiraihi T, **Movahedin M**, Mowla SJ. Selegiline induces neuronal phenotype and neurotrophins expression in embryonic stem cells. *Rejuvenation Research*, 2006, 9 (4): 475-483.
- 16) Anjamrooz SH, **Movahedin M**, Tiraihi T, Mowla SJ. Graft efficiency of co-cultured spermatogonial cells using sperm assay in epididimal lumen of recipient mice. *Yakhteh Medical Journal (English)*, 2006, 7(4): 242-249.
- 17) Fathi F, Tiraihi T, Mowla SJ, **Movahedin M**. Transfection of CCE mouse embryonic stem cells with EGFP and BDNF genes by the electroporation method. *Rejuvenation Research*, 2006, 9 (1): 26-30.
- 18) Namavari M, **Movahedin M**, Tarihi T. The effects of cold injury on sensorimotor cortex of mouse brain. *Scientific Journal of Kurdistan University of Medical Sciences*, 2006, 11 (2): 7-14.
- 19) Fathi F, Tiraihim T, Mowla SJ, **Movahedin M**. Transfection of CCE mouse embryonic stem cells with EGFP and BDNF genes by the electroporation method. *Rejuvenation Research*, 2006, 9 (1): 26-30.

- 20) Ghorbanmehr N, **Movahedin M**, Mowla SJ. Effect of egf on the development of 16-18 celled mouse embryos and expression of egfr after vitrification. Scientific Jjournal of Kurdistan University of Medical Sciences, 2006, 11 (139), 60 -70.
- 21) Naghikhani M, Altarihi T, **Movahedin M**, Delshad A. The effect of transplantation of bone marrow stroml cellson motor action recovery in rat. Journal of Rehabilitation, 2006, 7 (124), 7-13.
- 22) Anjamrooz SH, **Movahedin M**, Tiraihi T, Mowla SJ, Pour Beiranvand S. Assessment of morphological and functional changes in the mouse testis and epididymal sperms fallowing busulfan treatment. Iranian Biomedical Journal, 2007, 11(1): 15-22.

- 23) Shahverdi A, **Movahedin M**, Rezazadeh Valojerdi M, Kazemi Ashtiani S. Comparison of embryo development between intracytoplasmic and piezo-assisted sperm injection after treating mouse sperms by Ca^{2+} ionophore. Iranian Biomedical Journal, 2007, 11(4): 245-250.
- 24) Koruji M, **Movahedin M**, Mowla SJ, Gourabi H. Colony formation ability of frozen thawed spermatogonial stem cell from adult mouse. Iranian Journal of Reproductive Medicine (English), 2007, 5 (3): 109-115.
- 25) Anjamrooz SH, **Movahedin M**, Mowla SJ, Pour Bairanvand S. Assessment of morphological and functional changes in the mouse testis and epididymal sperms following busulfan treatment. Iranian biomedical journal, 2007, 11 (1), 15-22.
- 26) Shahverdi AAH, **Movahedin M**, Rezazadeh VM, Kazemi AS. Assessment of fertilization and development of nmri fetus using different culture media. Cell Journal (Yakhteh), 2007, 8 (432), 232-237.
- 27) Korouji SM, **Movahedin M**, Mowla SJ, Gourabi H, Jabari AA. The effects of inducer factors on adult mouse spermatogonial cells colony formation in vitro. Cell Journal (Yakhteh), 2007, 9 (234), 141-150.
- 28) Koruji M, **Movahedin M**, Mowla SJ, Gurabi H, Jabbari Arfaee A. The morphological changes of adult mouse testes after ^{60}Co -radiation. Iranian Biomedical Journal, 2008, 12(1): 35-42.
- 29) Absalan F, **Movahedin M**, Mowla SJ. Assessment of testis histological changes and sperm parameters in experimentally-induced unilateral and bilateral cryptorchid mouse model. Iranian Journal of Reproductive Medicine, 2008, 6(3): 143 -148.
- 30) Hajebrahimi z, Mowla SJ, **Movahedin M**, Tavallaei M. Gene expression alterations of neurotrophins, their receptors and prohormone convertases in a rat model of spinal cord contusion. Neuroscience Letter, 2008, 441(3):261-266.
- 31) Absalan F, **Movahedin M**, Mowla SJ. Combination of in vitro cryptorchid testis and in vitro co-culture system to obtain high purification and proliferation of mouse spermatogonial stem cells. International Journal of Fertility and Sterility, 2008, 2(3): 115-120.
- 32) Khafri S, Kazemnejad A, **Movahedin M**, Hajizadeh E. Seasonal influences stages of in vitro fertilization: stimulation and fertilization. International Journal of Fertility and Sterility, 2008, 2(2): 90-95.

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- 34) Shahverdi A, **Movahedin M**, Valojerdi MR, Ashtiani SK, Kashani H. The arrangement of microtubules in embryos derived from mice young, old and reconstructed oocytes. *Yakhteh Medical Journal*, 2008, 10 (2), 145-151.
- 35) Absalan F, **Movahedin M**, Mowla SJ. Assessment of testis histological changes and sperm parameters in experimentally-induced unilateral and bilateral cryptorchid mouse model. *Iranian Journal of Reproductive Medicine*, 2008, Vol.6. No.3. pp: 143-148.
- 36) Rezaian J, **Movahedin M**, Mowla SJ. CatSper genes expression, semen characteristics and histology of testes in the contusive spinal cord-injured mice model. *Spinal Cord*, 2009, 47(1):76-81.
- 37) Koruji M, **Movahedin M**, Mowla SJ, Gourabi H, Arfaee AJ. Efficiency of adult mouse spermatogonial stem cell colony formation under several culture conditions. *In Vitro Cell Development Biology Animal*. 2009, 45(5-6):281-289.
- 38) Nouri HS, Azarmi Y, **Movahedin M**. Effect of growth hormone on testicular dysfunction induced by methotrexate in rats. *Andrologia*, 2009, 41(2):105-110.
- 39) Fathi F, Altiraihi T, Mowla SJ, **Movahedin M**. Formation of embryoid bodies from mouse embryonic stem cells cultured on silicon-coated surfaces. *Cytotechnology*, 2009, 59(1):11-16.
- 40) Makoolati Z, **Movahedin M**, Forouzandeh M. Effects of different doses of Bone Morphogenetic Protein 4 on viability and proliferation rates of mouse embryonic stem cells. *Yakhteh Medical Journal (English)*, 2009, 11(1): 29 -34.
- 41) Amiri S, **Movahedin M**, Mowla SJ, Hajebrahimi Z, Tavallaei M. Differential gene expression and alternative splicing of survivin following mouse sciatic nerve injury. *Spinal Cord*, 2009, 47: 739-744.
- 42) Parinejad N, Keshavarzi S, **Movahedin M**, Raza M. Behavioral and histological assessment of the effect of intermittent feeding in the pilocarpine model of temporal lobe epilepsy. *Epilepsy Research*, 2009, 86: 54-65.
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differentiated embryonic stem cells. *International Journal of Fertility and Sterility*, 2009, 3(2): 78-83.

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- 45) Mohamadi SH, **Movahedin M**, Mowla SJ. Up-regulation of Catsper genes family by selenium. Reproductive Biology and Endocrinology, 2009, Nov 16;7:126.
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- 47) Mowla SJ, **Movahedin M**, Absalan F. Combination of In Vivo Cryptorchid Testis and In Vitro CoCulture System to Obtain High Purification and Proliferation of Mouse Spermatogonial Stem Cells. International Journal of Fertility and Sterility, 2009, 2 (3), 115-120.
- 48) Fathi F, Altiraihi T, Mowla SJ, **Movahedin M**. An automated platform for development of high producing cell lines for biopharmaceutical production has been established in order to increase throughput and reduce development. Cytotechnology, 2009, 59 (1), 11-16.
- 49) Makoolati Z, **Movahedin M**, Forouzandeh-Moghadam M. Assessment of Piwil2 gene expression pattern upon germ cell development from mouse embryonic stem cell. Iranian Red Crescent Medical Journal, 2009, 11 (4), 408.
- 50) Absalan F, **Movahedin M**, Mowla SJ. Germ cell apoptosis induced by experimental cryptorchidism is mediated by molecular pathways in mouse testis. Andrologia, 2010, 42(1):5-12.
- 51) Shahverdi A.A.H, **Movahedin M**, Rezazadeh VM, Baharvand H. Evaluation of embryos derived from in vitro fertilized oocytes reconstructed by meiosis-II chromosome transplantation fromaged mice to ooplasms of young mice. International Journal of Fertility and Sterility. 2010; 3 (4): 165- 170.
52. Shahverdi A, **Movahedin M**, Valojerdi MR, Baharvand H. Evaluation of Embryos Derived from in vitro Fertilized Oocytes Reconstructed by Meiosis-II Chromosome Transplantation from Aged Mice to Ooplasms of Young Mice. Int J Fertil Steril, 2010, 3 (4):165-170.
- 52) Fathi F, Altiraihi T, Mowla SJ, **Movahedin M**. Transplantation of retinoic acid treated murine embryonic stem cells & behavioural deficit in Parkinsonian rats. Indian J Med Res. 2010; 131:536-44.

- 53) Tajik P, Barin A, **Movahedin M**, Zarnani AH, Hadavi R, Moghaddam GH, Shoja J, Jeddi-Tehrani M, Ashrafi-Helan J, Heidari-Vala H, Torkabadi E, Qasemi-Panahi B. Nestin, a neuroectodermal stem cell marker, is expressed by bovine sertoli cells. *Comp Clin Pathol.* 2010, 3 (3): 149-153.
- 54) Mirzapour, T. , **Movahedin M.** , Ibrahim, T.A.B.T. , Haron, A.W., Makoolati, Z. , Nowroozi, M. Effect of donor cells concentration on colonization of human spermatogonial stem cells in recipient mouse testes. *Journal of Biological Sciences*, 2010, 10 (8): 730-738.
- 55) Absalan F, **Movahedin M**, Mowla SJ.O-38: Evaluation the Expression of Bax, Bcl-2, p53 & Survivine after Transplantation of SpermatogonialStem Cells to Cryptorchid MouseModel. *Int J Fertil Steril*, 2010, 4 (2-1).
- 56) Abdoli A, Dalimi A, **Movahedin M.** P-3: Changes in Biochemical Parameters of ReproductiveFunction in Male Rats Infected withToxoplasma Gondii. *Int J Fertil Steril*, 2010, 4 (2-1).
- 57) Mohammadi SM, **Movahedin M**, Krouji M. A comparison between the colony formation of adult mouse spermatogonial stem cells in co cultures with Sertoli and STO (mouse embryonic fibroblast cell line). *Cell Journal (Yakhteh)*, 2010, 12 (246), 231-240.
- 58) Mohammadi S, **Movahedin M**, Mowla SJ.Up-regulation of CatSper genes family by selenium. *Reproductive biology and endocrinology.*2010. 7 (1), 126.
- 59) Mirzapour T, , Ibrahim, T.A.B.T., **Movahedin M.**, Haron, A.W., Siraj SS., Koruji SM., Nowroozi, M., Rafiean S. Stem cells research and its applications: A review. *Journal of Applied Science*, 2011, 11(1): 163-173.
- 60) Edalat H, Hajebrahimi Z, **Movahedin M**, Tavallaei M, Amiri S, Mowla SJ, p75NTR suppression in rat bone marrow stromal stem cells significantly reduced their rate of apoptosis during neural differentiation. *Neurosci Lett.* 2011 498 (1): 15-19.
- 61) Makoolati Z, **Movahedin M**, Forouzandeh-Moghadam M. Bone morphogenetic protein 4 is an efficient inducer for mouse embryonic stem cell differentiation into primordial germ cell. *In Vitro Cell Dev Biol Anim.* 2011 47 (5-6), pp. 391-398.
- 62) Mazaheri Z., **Movahedin M.**, Rahbarizadeh F., Amanpour S. Different doses of bone morphogenetic protein 4 promote the expression of early germ cell-specific gene in bone marrow mesenchymal stem cells. *In Vitro Cell Dev Biol Anim.* 2011 47 (8) , pp. 521-525.

- 63) Qasemi-Panahi B, Tajik P, **Movahedin M**, Moghaddam G, Barzgar Y, Heidari-Vala H. Differentiation of Bovine Spermatogonial Stem Cells into Osteoblasts. *Avicenna Journal of Medical Biotechnology*, 2011, 3(3): 149-153.
- 64) Absalan F, **Movahedin M**, Mowla SJ. Spermatogonial Stem Cell Transplantation and Subsequent Orchidopexy in the Bilateral Cryptorchid Mouse Model. *Cell Journal (Yakhteh)*, 2011, 13, (3): 143-148.
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- 66) Makoolati Z, **Movahedin M**, Forouzandeh-Moghadam M. Bone morphogenetic protein 4 is an efficient inducer for mouse embryonic stem cell differentiation into primordial germ cell. *In Vitro Cellular & Developmental Biology-Animal*, 2011, 47 (5-6), 391.
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- 73) Tajik P, Barin A, **Movahedin M**, Zarnani AH, Hadavi R, Moghaddam Gh, Shoja J, Jeddi-Tehrani M, Ashrafi-Helan J, Heidari-Vala H, Torkabadi E, Qasemi-Panahi B.

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- 76) Bojnordi MN, **Movahedin M**, Tiraihi T, Javan M. A simple co-culture system for generation of embryonic stem-like cells from testis. *Iranian Red Crescent Medical Journal*, 2012, 14 (12), 811.
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- 79) Javani Jouni F, Abdolmaleki P, **Movahedin M**. Investigation on the effect of static magnetic field up to 15 mT on the viability and proliferation rate of rat bone marrow stem cells, *In Vitro Cell and Developmental Biology*, March 2013;49:212-219.
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7- Patents

A- International

1- Generation genetically engineered bone marrow stromal cells with reduced rate of cell death after induction of neural differentiation by means of knocking down the

expression of p75NTR receptor. Mowla SJ, Haj Ebrahimi Z, Tavalayee M, **Movahedin M**, Daneshvar MT. Australia, 2008

B- National

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9- Presentations

A- International

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- 73- Makulati Z, **Movahedin M**, Forouzandeh Moghadam M. Dvelopmental assay of Stra8 gene expression during germ cell differentiation in embryoid body. 15th Congress of Iranian Society for Reproductive Medicine, Tehran, Iran, 1387 (2009).
- 74- Hatami L, **Movahedin M**. Acrosomal mouse sperm changes after cryopreservation. 15th Congress of Iranian Society for Reproductive Medicine, Tehran, Iran, 1387 (2009).
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- 104- Hormozi Moghadam Z, Mokhtari Dizaji M, **Movahedin M** .P269- the effect of mechanical index of low intensity ultrasound waves on proliferation of spermatogonial stem cells isolated from neonate mouse testis. International Congress on Stem Cells and Regenerative Medicine. 2015.
- 105- Aminrad S. **Movahedin M.**, Koruji M. Effect of calligonum treatment on sperm quality and testicular structure in mouse addicted model. Irhrc annual meeting reproductive and infertility updates. Congress. 2016.
- 106- Rezaimojaz S, Nazmari Z, Koruji M, Najafi M, **Movahedin M**, Zandiyeh Z, Roshanpajouh M, Shirinbayan P. Heroin abuse is associated with enkephalin-degrading enzyme (apn & nep) deficiency in human sperm and male infertility. International congress of laboratory and clinic. Congress. 2017.

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- 109- Zahiri M, **Movahedin M**, Mowla SJ, noruzinia M.the effect of human spermatogonial stem cells niche on their enrichment and colony formation. Iranian Congress on Biology and Applications of Stem Cells Mashhad , Iran , 1390 (2011)

10- Finished Researches

- Study the effects of TNF-alpha and EGF on development of vitrified mouse morulae.
- Cryopreservation of limited number of human sperm within mouse and human empty zona pellucida.
- Isolation, proliferation and purification spermatogonial stem cells and transplantation into mouse azospermia model.
- In vitro differentiation of spermatogonial stem cells into oligodendrocyte like cells and transplantation into demyelinated model of rat
- Transplantation of mouse frozen-thawed germ cells into azospermia mouse testis.
- Effect of neural stem cells transplantation after bilateral lesion of the Locus Coeruleus on the sleep wake cycle in the rat

11- Supervisor of following thesis: A-

M.Sc.

- 1- The effects of two different cryoprotectants on fertility rate of mouse sperm.
Leili Hatami

- 2- The effects of epidermal growth factor (EGF) on development of vitrified mouse morulae.
Morteza Koruji
- 3- The effects of tumor necrosis factor alpha (TNF-alpha) on development of vitrified mouse morula and expression of its receptors on embryonic cells.
Foruzan Absalan
- 4- In vitro maturation of frozen-thawed mouse round spermatid using co-culture with Vero cells
Alireza Ajeen
- 5- In vitro maturation of frozen-thawed mouse round spermatid using recombinant FSH and testosterone
Nasrin Ghorbanzadeh
- 6- Evaluation of the ability of pentoxifylline and progesterone to enhance motility and fertilization rate in cooling mouse-spermatozoa to 4° C.
Iraj Rashidi
- 7- The study of the effects of association of sonotherapy with testosterone administration to induce temporary azoospermia in mouse.
Farhad Mortezaadeh Meymand
- 8- The effects of epidermal growth factor on development and EGFR expression OF 8 - 16 cell mouse embryo after vitrification.
Nassim Ghorbanmehr
- 9- Effects of Magnesium-Chloride in treatment of mouse brain sensori-motor giry using brain edema model.
Maryam Namavari
- 10- Effects of antioxidant Melatonin in treatment of mouse brain sensori-motor giry using brain edema model.
Narges Janzadeh
- 11- CatSper gene expression changes in mouse model of contusion spinal cord injury.
Jafar Rezaian
- 12- Effects of Slenium treatment on sperm parameters and CatSper gene expression of aging mouse.
Shabnam Mohamadi
- 13 - Evaluating Survivin gene expression changes fallowing mouse Sciatic nerve and spinal cord injuries.

Sara Amiri

14- Comparing of colony formation of spermatogonial stem cells of adult mouse after co-culture with sertoli and fibroblast cell lines (STO).

Seyede Momeneh Mohamadi

15- Medical jurisprudence and legal challenges and the effects of these challenges on the decision infertile couples

Maryam Ahmadi

16- Study the effects of Calligonum extract treatment on sperm parameters and catsper expression in aging male mouse

Mahsa Asgari

17- Effect of Low Intensity 1 MHZZ Ultrasound Accompany with Calligonum Extract on Motility, Viability and DNA Frahmentation of Human Frozen- Thawed Semen

Hamid Ekrami

18- Evaluation of development and Bcl2,Bax,ErbB expression in pre implantation mouse embryos by following Re-vitrification

Nasrin Majidi Gharenaz

19- Effects of low intensity ultra sound on proliferation ,colonization and α -6 β -1 integrin and Oct4 genes expression in spermatogonial stem cells isolator from neonated mouse testis

Mahdi Mohaqeqi

20- Improvement effect of calligonum extraction onsyrvival, proliferation and differentiation of rat bon marrow stromal cell into neural stem cells in vitro

Jamal Majidpour

B- Ph.D.

1. Increase of fertilization rate of constructed oocyte using activated sperm by progesterone

Majid Katebi

2. Study the effects of radiation of Low Power Helium-Neon Laser on count, motility, morphology and ultrastructure of fresh and frozen-thawed human sperm.

Amir Khoshvaghti

3. Transplantation of immature mouse frozen-thawed germ cells into azospermia mouse testis.

Abdolhadi Anjamrooz

4. Developmental and ultrastructure studies of zygotes derived from reconstructed oocytes using nuclear transfer and activated sperms.

Abdolhosein Shahverdi

5. Autograft adult mouse spermatogonial stem cells transplantation into azospermia mouse using Gama irradiation after in vitro treatment with inducer factors.
Morteza Koruji
6. Evaluating the expression of Bcl-2, p53, Bax and Survivin after transplantation of spermatogonial stem cells in testis of unilateral cryptorchidism model.
Foruzan Absalan
7. Male germ cell production from mouse embryonic stem cell following co-culture or treatment with BMP4 in vitro and transplantation to testis of adult mouse azospermia model
Zohreh Makoolati
8. Germ cell differentiation ability of Stra 8 cells derived from mouse bone marrow mesenchymal stem cells upon co-culture and BMP-4 treatment
Zohreh Mazaheri
9. In vitro differentiation of spermatogonial stem cells into oligodendrocyte like cells and transplantation into demyelinated model of rat
Maryam Nazm Bojnordi
10. Study gene expression of motoneuron like cells derived from mouse spermatogonial stem cell
Setareh Javanmardi
11. Comparing the efficiency of different culture systems on proliferation of the spermatogonial stem cells obstructive azoospermic patients
Maria Zahiri
12. Isolation and Co-culture of bovine spermatogonial cells with testicular sertoli cells in the presence of CSFI and GDNF
Shiva Shafiei
13. Effect of neural stem cells transplantation after bilateral lesion of the locus coeruleus on the sleep wake cycle in the rat
Vahid Pirhajati Mahabadi
14. Spermatogenesis enhancement in neonatal mouse frozen-thawed testises after 3-dimensional culture.
Ahmad Alrahel
15. In vitro transplantation of human frozen-thawed spermatogonial stem cells to testis of azoospermia mouse model
Mahdi Mohaqiq
16. Spermatogenesis in Perfusion Bioreactor after In Vitro Transplantation of Mouse Spermatogonial Stem Cells to the Testis of Azoospermia Mouse Model

Zahra Amirkhani

17. Study of spermatogenesis after in vitro transplantation of primordial germ cells derived from induced pluripotent stem cells into mouse testis azoospermia in vivo & in vitro study

Forouzan Rahmani

18. The effects of Calligonum extract on viability, proliferation, angiogenesis, apoptosis and stress oxidative on the mouse model of endometriosis

Kiandokht Kiani

19. Forced Suppression of let-7a-5p in Mouse Blastocysts Improves Implantation Rate

Jalleh Shakerzadeh

20. Study of spermatogenesis following transplantation of testis scaffold with human primordial germ like cells into mesentery of rat

Mehrafarin Kiani

21. Alterations of miR-16 and miR-let7a expression and H19/IGF2 DMR region methylation in human blastocysts following re-vitrification

Maryam Daneshvar

22. Evaluation of spermatogenesis of mouse spermatogonial cells following treatment with exosome in mini-perfusion bioreactor

Elham Hashemi

12- Consultant of following thesis: A-

M.Sc.

- 1- The effects of simultaneous co-culture and sequential media on development of vitrified mouse zygotes.
Bahar- Movaghar
- 2- The effects of simultaneous co-culture and sequential media on development of vitrified eight cell mouse embryos.
Mina- Ghanei
- 3- Evaluation of CatSper gene expression in biopsies taken from testis and its relation to infertility
Parvaneh Nikpoor
- 4- Artificial neural network models for predicting the successful rate of ART for the patients of koassar fertility and impotency center
Soraya Khafri
- 5- Study the mouse bone marrow stromal cells transplantation into hemi sectional spinal cord injury.
Mehrdad Naqi Khani
- 6- Fuzzy clustering of categorical multivariate data and comparison with correspondence analysis in spermatid cells culture data.
Masoumeh Sepehrara
- 7- Behavioral and histological studies of the effects of intermitten feeding in development and expression of seizures in pilocarpine model of temporal lobe epilepsy in male rats.
Neda Parinezhad Khameneh
- 8- Effect of calliganum extract and Quercetin on sperm quality of healthy human after cryopreservation
Marziehe Ziloochi Kashani
- 9- Effect of Uropathogenice Escherichia coli & staphylococcus aureus on sperm motility
Zeinab Rastgou
- 10- A study on the effect of Toxoplasma gondii on reproductive parameters in laboratory male rat
Amir Abdoli
- 11- Effect of endurance training on gene expression of Cdk5 in spinal cord of male wistar rats with diabetic neuropathy
Mohammad Keshavarz

12- Evaluation of spermatogenesis after graft of fresh and frozen-thawed neonatal mouse testicular tissue fragments to epididymal fat region of bilateral castrated adult mouse

Hossein Eyni Seen

13- The study of pepper extract and its anti microbial effect on quality of human sperm parameters after cryopreservation.

Leila hosseini Jafari Lavasani

14- Effects of Canthaxanthin on Human Sperm Parameters during Rapid Freezing

Leila Najafi

15- Investigating the effect of mechanical index parameter from irradiation of low intensity ultrasound on proliferation of spermatogonial stem cells isolated from neonate mouse testis

Zeinab Hormozi Moghadam

16- Effect of melatonin on proliferation of ovine spermatogonia stem cells and in vitro measurement of reactive oxygen species

Golsa Alinezhad

B- Ph.D.

1- Evaluation of neurotrophin expression induction in embryonic stem cell by deprenyl after in vitro differentiation into neuroepithelial cell

Fariba Esmaili

2- Implantation of differentiated p19 cells into the Parkinsonism mice after cell transfection with BDNF and GDNF

Fardin Fathi

3- Implantation of differentiated Bone Marrow bone marrow stromal cells and spinal cord- nerve injury.

Maryam Kashani

4- Improvement of contusion spinal cord injury using intravenous injection of bone marrow stromal cells.

Alireza Khalatbari

5- Comparative study and interfering in expression profile of neurotrophins, their receptors and prohormone convertases gene in rat bone marrow stromal cells and spinal cord- nerve injury tissues.

Zahra Hajebrahimi

6- Modelling bivariate count data and its application in medicine data

Soraya Khafri

7- The effect of endurance training on gene expression of kinesin-1 and KIF1B α motor proteins in sciatic nerve's of Wistar male rats with diabetic neuropathy

Masoud Rahmati

8- The study of effect of food deprivation on rat fertility through pineal-testis axis melatonin involvement

Shiva Nasiraei Moghadam

9- The effect Calligonum comosum on ovarian morphology, sex hormones levels and fertility of polycystic ovary (PCO) mouse model

Leila Amini

10- Teratogenic effect of prenatal administration of zonisamide on growth and skeletal development of fetuse andnew born rat and compare with valproate sodium

Hossein Erik Aghaji

11-The effect of heroin on sperm protamines & microRNA-122 in addicted men

Zohreh Nazmara

11. Selecting motile, non-apoptotic and induced spermatozoa for capacitation without centrifuging by MACS-Up method

Mohammad Reza Deemeh

17- Qualified in the following courses:

18- A- M.Sc.

- 1-Neuro Anatomy
- 2-Head & Neck Anatomy
- 3-Upper & Lower Limbs
Anatomy
- 4- Trunk Anatomy
- 5-General Anatomy
- 6-Embryology
- 7- Stem Cells & Development

B- Ph.D.

1. Advanced Neuro
Anatomy
2. Surface Anatomy
3. Preparation of Anatomical
Models
4. Radiology Anatomy
5. Clinical Anatomy
6. Anthropology
7. Stem Cells
8. Quality Control in Embryology Lab
9. Cryopreservation of Gametes & Reproductive Tissues
10. Andrology
11. ART

14- Membership in Scientific Society:

- 1- Iranian Anatomical Sciences Society
- 2- Iranian Society of Reproductive Medicine (7 years as a member of board of directors)
- 3- European Society of Human Reproduction (ESHRE)
- 4- American Society of Human Reproduction (ASRM)

16- Editorial Board of Scientific Journals

- Modares Journal of Medical sciences: Patobiology (Editor-in-Chief for 11 years)
- Anatomical Sciences Journal
- International Journal of Fertility and Sterility
- Cell Journal (Yakhteh)
- IJRM (Iranian Journal of Reproductive Medicine)

15- Referees:

1. Taki Al-Tiraihi, Ph.D. Professor of Anatomy Dept. Tarbiat Modares University, Tehran, Iran.
2. Mojtaba Rezazadeh Valojerdi, Ph.D Professor of Anatomy Dept. Tarbiat Modares University, Tehran, Iran.
3. Ahmad Hosseini, Ph. D. Professor Anatomy Dept. Shahid Beheshti University, Tehran, Iran.

16- Others:

- Research visitor in I.R.D. Institute, Monash University, Melbourne Australia for 3 months, 1999.
- National Award Winner of the 7th International Royan Award, 2006.
- Nominated Professor of Medical Sciences Faculty, Tarbiat Modares University, 2009
- Award Winner of The fourth National Festival of Women and Science, 2021