

Curriculum Vitae

IN THE NAME OF GOD

RESUME

2009

I. PERSONAL INFORMATION:

NAME: Mojdeh Salehnia

Date of Birth: 04/02/1967

Place of Birth: Natanz, IRAN

Sex: Female

Marital Status: Marriage with two children

Nationality: Iranian

Address: 12 Afsarmanesh Av., Sindoght St., North Karegar, Tehran Iran.

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II. EDUCATIONAL RECORDS:

1. B.Sc: 1987, BIOLOGY, Esfahan Univ. Iran.
2. M.Sc: 1990, HISTOLOGY & EMBRYOLOGY, Tarbiat Modares Univ. Iran.
3. Ph.D: 2000, HISTOLOGY & EMBRYOLOGY, Tarbiat Modares Univ. Iran.

III. ACADEMIC EXPERIENCES:

* Lecturer and researcher from 1992 to now (Professor), Dept. of Anatomy, School of Medical Science, Tarbiat Modares Univ., Tehran, Iran.

IV. MEMBERSHIP OF SCIENTIFIC SOCIETIES.

Iranian Anatomical Science Society

European Society for Human Reproduction and Embryology

Iranian Fertility and Sterility Society

V. REFEREE FOR JOURNAL ARTICLE SUBMITTED TO:

Assisted Reproduction and Genetics

Fertility and Sterility

Reproductive Biology and Endocrinology (RB&E), University of Tennessee.

Iranian Journal of Reproductive Medicine

Medical Journal of Yakhteh.

Daneshvar

Medical Journal of Yazd Univ

Iranian Biomedical Journal

Medical J Reproduction & Infertility

Modares Medical Journal

Iranian Anatomical Science Journal

VI. RESEARCH INTERESTS:

- Vitrification of Ovarian Tissue and In Vitro Follicular Development and Maturation

- Differentiation of Embryonic Stem Cells to Hematopoietic Cells
- Effects of Hyperstimulation on the Fine Structure and Molecules of Endometrium
- In Vitro Embryo Development

VII. RESEARCH PUBLICATIONS:

1* Vitrification of Metaphase II Mouse Oocyte Using Ethylene Glycol as Cryoprotectant. Medical J. of Yakhteh (Farsi) 2000, 3; 25-32.

2* Effect of Vittrification on the Survival and Development of MII Mouse Oocyte by Two Thawing Procedures. Daneshvar (Farsi) 2000, 27: 81-86.

3* Alkaline Phosphatase Histochemistry and Biochemistry in the Diagnosis of Hydatidiform Mole. Pathology Oncology Research (English) 2000, 20; 6(2) 105-110.

4* Vittrification and Slow Freezing of MII Mouse Oocytes Using Ethylene Glycol and 1,2-Propandiol as Cryoprotectants. J of Physiology and Pharmacology. (Farsi) 2001, 5(4): 75-86.

5* Slow Freezing of Metaphase II Mouse Oocyte Using 1,2 propandiol as Cryoprotectant. Medical J of Yazd Univ. (Farsi), 2000, 8(3) 35-43.

6* Histological Study of Vittrified Mouse Ovarian Tissue Using Ethylene Glycol. Middle East Fertility J, (English) 2001 6(3) 233-38.

7* Ultrastructure of Primary Follicles After Vittrification of Mouse Ovary. Medical J of Yakhteh (Farsi) 2001, 3(9): 7-14.

8* Placental Alkaline Phosphatase Changes in Hydatidiform Mole. Medical J of Yakhteh (Farsi) 2001, 3(9): 27-30.

9* Autograft of Vittrified Mouse Ovarian Tissue Using Ethylene Glycol as Cryoprotectant. Experimental Animals. (English) 2002, 5(5) 509- 512.

10* Ultrastructure of Follicles after Vittrification of Mouse Ovarian Tissue. Fertility Sterility (English) 2002, 78: 644-645.

11* Study of Follicles in Grafted Vittrified Mouse Ovaries after HMG Stimulation. Daneshvar J (Farsi) 2002, 9: 25-33.

12* Ultrastructure of Stimulated Mouse Endometrium. International Proceeding of IFIS 2001, Melbourne, Australia (English) 25-30 Nov.

13* Isolation of Mouse Embryonic Stem Cells From Blastocyst Stage. Medical J of Yazd Univ

(Farsi) 2003; 11(4): 49-57.

14* Morphological Changes of Mouse Endometrium After Ovarian Hyperstimulation During Implantation Period. Medical J of Yazd Univ (Farsi) 2003; 11(4): 90-96.

15* The Effect of Progesterone After Hyperstimulation on the Ultrastructure of Mouse Endometrium During Preimplantation Period. Med Yakhteh (Farsi) 2002, 4; 14: 61-67.

16* Effects of Leukemia Inhibitory Factor on the Differentiation of Mouse Embryonic Stem Cells. Iranian J of Reproductive Medicine (IJRM), (English) 2003, 1: 1, 12-15.

17* In vivo Studing of Bioceramics In Order to Replace the Bone Defects Due to Cancer Therapy. Iranian Anatomical J, (Farsi) 2003, 3; 39-46.

18* CFU-GM colonies Were Derived From Embryonic Stem Cells. Iranian Biomedical J, (English) 2004, 8(1) 1-5.

19* Mouse Endometrium Glycocalyx Alteration after Ovarian Hyperstimulation. Medical J Yakhteh, (English), 2003, 4: 16, 173-223.

20* Optimization of Dendritic Cells Purification from Mouse Spleen: A Recommended Method for Purification of Dendritic Cells from Reproductive Organs. Medical J Reproduction & Infertility (Farsi) 2003, 4; 1: 17-29.

21* Cryopreservation of Ovarian Tissue. Medical J of Yazd Univ (Farsi) 2003; 11(4): 3-17.

22* Evaluation of the Elastase Activity of Different Aspergillus Fumigatus Isolated from Human and Animal Cases. Vet. J Tehran Univ. (Farsi) 2003, 58; 2: 193-196.

23* Autotransplantation of Mouse Neonatal Ovary after Vitrification. Medical J Yakhteh, (Farsi) 2003, 5: 18, 65-71.

24* Effect of Ovarian Hyperstimulation and Progesterone Injection on the Morphology and Ultrastructure of Epithelium of Ampullary Portion of Mouse Ovarian Tissue. Medical J Yakhteh, (Farsi) 2003 5: 18, 103-108.

25* Delayed Decidualization and Ultrastructural Changes of Mouse Endometrium after Ovarian Hyperstimulation at the Implantation Time. Middle East Fertility J, (English) 2003 8, 3: 229-234.

26* The Morphological Expression of Endometrial Pinopodes During Implantation in Mice After Ovarian Stimulation and Progesterone Injection. Yakhteh Medical J (English) 2004, 5: 20.

27- Progesterone Shifts the Pinopodes Expression of Mouse Endometrium to Pre-Implantation Time after Ovarian Hyperstimulation. Iranian J of Reproductive Medicine (IJRM), (English) 2003,

1: 1, 20-23.

28- Localization and Activity of Mouse Endometrial Alkaline Phosphatase after Hyperstimulation and Progesterone Injection at the Implantation Time. Iranian Biomedical J, (English) 2004; 8(3): 121-126.

29* Survey of the Changes in Basement Membrane, Lysosomal Enzyme and Cell Death in Rat Palatal Shelves Development. Kowsar Medical J (Farsi) 2004; 9(3): 177-185.

30* The Comparison of Mouse Uterus Alkaline Phosphatase Activity at the Preimplantation Time after Ovarian Hyperstimulation and Progesterone Injection. J of Iranian Anatomical Sciences. (Farsi) 2003; 1 (3): 39-46.

31* The Effect of Hyperstimulation and Progesterone Injections on the Morphology of Mouse Vaginal Epithelium. J of Iranian Anatomical Sciences. (Farsi) 2003; 1 (4): 1-9.

32* Morphological and Cytochemical Characteristics of Purified Murine Splenic Dendritic Cells. Iranian J of Allergy, Asthema and Immunology (English) 2003; 2(3): 139-144.

33* Differentiation of Mouse Yolk Sac Cells to Erythroid Cells in the Presence of Erythropoietin. J of Iranian Anatomical Sciences. (Farsi) 2004; 2 (3): 1-9.

34* Improvement in Development and Quality of 8 Cell Mouse Embryo in the Presence of Granulocyte Macrophage Colony Stimulating Factor. J of Iranian Anatomical Sciences. (Farsi) 2004; 2 (3):23-27.

35* The Effect of Different Concentration of GM-CSF on the Development of Pre-Implantation Embryos in Mice (pilot study). Iranian J of Reproductive Medicine (IJRM), (English) 2004, 2: 1, 12-14.

36* Effect of Human LIF on the Development of 2 cell ICR Mouse Embryo. Yakhteh Medical J (Farsi) 2003; 5 (17) 9-13.

37* Inhibitory Effects of Decidual Culture Supernatants on Antigen Presentation by Dendritic Cells. Med J Reproduction and Infertility (Farsi) 2004; 115-128.

38* Morphological and Morphometrical Changes of Motoneurons of Axotomized Neonatal Rat. Kowsar Medical J (Farsi) 2004; 8(1): 9-16.

39* The Effect of Recombinant Human Leukemia Inhibitory Factor (rLIF) on In Vitro Development of Mouse 2 Cell Embryos and Their Isolated Blastomeres. Daru (English) 2004; 12(4) 165-169.

40* Different Pattern of Pinopodes Expression in Stimulated Mouse Endometrium. Exp Anim (English) 2005, 54(4), 349-352.

- 41* Developmental Potential and Ultrastructural Injuries of Metaphase II (MII) Mouse Oocytes after Slow Freezing or Vitrification. *J Assist Reprod Genet (English)* 2005, 22 (3), 119-127.
- 42* Differentiation of Embryonic Carcinoma Cells P19 to Erythroid and Non Erythroid Cells in the Presences and Absence of Interleukin 3 and 6 and Erythropoietin. *Yakhteh Medical J (Farsi)* 2005; 7 (25) 7-10
- 43* Effect of Granulocyte Macrophage Colony Stimulating Factor on the Development of Two Cell Mouse Embryo. *Yakhteh Medical J (Farsi)* 2005; 7, 25-28.
- 44* Quality Effect of Co-Culturing of Yolk Sac Cells With M2-10B4 Line on Their Differentiation in the Presence and Absence of Erythropoietin. *Blood (Farsi)* 2005; 2 (4).
- 45* The Effect of Cumulus cells on in Vitro Maturation of Mouse Germinal Vesicle Stage. *Iranian J of Reproductive Medicine (IJRM), (English)* 2005, 34: 74-78.
- 46* The Effect of Laser Therapy of 30 mW on Bone Repair: Histological Study. *J of Iranian Anatomical Sciences. (Farsi)* 2005; 3: 67-74.
- 47* Changes in Implantation and Survival Rates and Embryo Quality Progesterone Administration and Ovarian Hyperstimulation. *J of Iranian Anatomical Sciences. (Farsi)* 2005; 3: 93-100.
- 48* Evaluation of Alkaline Phosphatase Activity Alteration in Mouse Endometrium after Ovarian Hyperstimulation During Early Pseudo and Natural Pregnancy Until Implantation Time. *J of Iranian Anatomical Sciences. (Farsi)* 2005; 3:173-184.
- 49* Evaluation of Acid Phosphatase Activity Alteration in Mouse Endometrium after Ovarian Hyperstimulation During Early Pseudo and Natural Pregnancy Until Implantation Time. *J of Iranian Anatomical Sciences. (Farsi)* 2005; 3:173-184.
- 50* The Impact of Ovarian Stimulation on Mouse Endometrium: A Morphometrical Study. *Iranian J of Reproductive Medicine (IJRM), (English)* 2006, 4(1): 7-11.
- 51* Analysis of Endometrial Myeloid Lymphoid Dendritic Cells During Mouse Estrous Cycle. *J of Reproductive Immunology* 2006, 71: 28-40.
- 52* A Comparative Study of Mouse Ovarian Alkaline Phosphatase Activity in Normal and Psuedopregnancy. *Yakhteh Medical J (Farsi)* 2006; 8 (1):53-59.
- 53* The Effect of Co-Culturing on the Differentiation of Embryonic Liver Cells With Embryonic Carcinoma Cells to Erythroid. *Medical J of Yazd Univ (Farsi)*. 2005 13: 58-63.
- 54* The Effects of Different Concentrations of Leukemia Inhibitory Factor on the Development of Isolated Preantral Follicles From Fresh and Vitrified Ovaries. *Iranian Biomedical Journal*

(English) 2006, 10: 185-190.

55* Evaluation of Acid Phosphatase Activity Alterations in Mouse Ovary after Ovarian Hyperstimulation in Early Stages of Pseudo and Normal Pregnancy Until Implantation Time. Med J Reproduction and Infertility (Farsi) 2006, 12-24.

56* A Comparing Between Different Doses of BMP4 and EPO on Differentiation of Embryonic Stem Cells to Erythroid Colonies. Blood (Farsi) 2006, 3: 333-342.

57* The Efficient Isolation of Murine Splenic Dendritic Cells and Their Cytochemical Features. (English) Histochemistry Cell Biology 2006, 126, 275-282.

58* Kinetic of Decidual Dendritic Cells. (English) Reproduction. 2007, 133: 275-283.

59* Follicular Phosphatases Activity and Their Correlation with Serum Estroid and Gonadotropin Hormones Level. Medical J of Yazd Univ (Farsi) 2006, 14: 56-61.

60* The In Vitro Fertilization Rate of Mouse Ova in the Absence and Presence of Recombinant Leukemia Inhibitory Factor. (English) Pak J Med Sci. 2006, 22: 438-441.

61* Comparison of Gene Expression Profile in Erythroid Like Cells Derived from Mouse Embryonic Stem Cells Differentiation in Simple and Co-culture System. (English) Am J Hematol. 2008; 83: 109-115.

62* The Effect of Progesterone and Exogenous Gonadotropin on Preimplantation Mouse Embryo Development and Implantation. (English) Exp Anim. 2008; 57: 27-34.

63* Morphologic, Ultrastructural and Biochemical Identification of Apoptosis in Vitrified-Warmed Mouse Ovarian Tissue. (English) Fertil Steril. 2008; 90: 1480-1486.

64* Microenvironment of the Feto-Maternal Interface Protects the Semiallogenic Fetus Through Its Immunomodulatory Activity on Dendritic Cells. (English) Fertil Steril. 2008; 90: 781-788.

65* Comparisson of In Vitro Culture of Preanreal Follicle Isolated from Vitrified-Warmed Mouse Ovaries with Fresh Follicles in Culture Media. Feyz (Farsi) 2007, 11: 13-19.

66* Effect of Vitrification with Single Agent in Step Wise Manner Using Different Concentrations of Ethylene Glycol on the Morphology of Mouse Ovaries Tissue. Feyz (Farsi) 2007, 12; 7-11.

67* The Effect of Leukemia Inhibitory Factor and Co-Culture on the In Vitro Maturation and Ultrastructure of Vitrified and Non Vitrified Isolated Mouse Preantral Follicles. (English) Fertil Steril. 2008; 90: 2389-2397.

68* Ultrastructural Characteristics of Mouse Preantral Follicles Isolated from Vitrified and Non

Vitrified Ovaries after In Vitro Maturation. *Yakhteh Medical J (English)* 2007;9:184-189.

69* The effects of different concentrations of sodium selenite on the in vitro maturation of preantral follicles in serum-free and serum supplemented media. (English) *J Assist Reprod Genet* 2008; 25: 483-488.

70* Developmental potential of isolated blastomeres from early mouse embryos in the presence and absence of LIF and GM-CSF. (English) *J Assist Reprod Genet* 2008; 25: 7-12.

71* The changes in morphology and morphometrical indexes of endometrium of ovariectomized mice in response to exogenous ovarian hormones. (English) *Iranian J Reprod Med* 2008;6(3):125-131.

72* Ultrastructural study of isolated mouse preantral follicles co-cultured with cumulus cells with leukemia inhibitory factor. (English) *Iranian Journal of Reproductive Medicine* 2008,16(4):187-192, Autumn.

73* The histological characteristics of cultured oral epithelium in different culture conditions. *Iranian Biomedical Journal* 13 (2): 109-115 (April 2009)

74* Analysis of apoptosis and its related genes expression in vitro cultured follicles derived from vitrified and non vitrified ovary. (English) *Mol Hum Reprod* 2009; 15(3) 155-164.

75* Transplantation and homing of mouse embryonic stem cells treated with erythropoietin in spleen and liver of irradiated mice. (English) *Iranian Biomedical Journal* 13 (2): 87-94 (April 2009).

76* Comparison of ultrastructure and morphology of mouse ovarian follicles after conventional and direct cover vitrification using different concentrations of ethylene glycol. (English) *Iranian Journal of Reproductive Medicine* 7(2): 45-52, Spring 2009.

77* The changes of α_v , β_3 , α_4 , β_1 integrin expression and osteopontin ligand in murine estrous cycle. (Farsi) *Modares Medical Science J* 2009, 11(3,4): 1-7. Autumn and Winter.

78* The Effect of Progesterone on the In vitro Maturation and Developmental Competence of Mouse Germinal Vesicle Oocytes. *International Journal of Fertility and Sterility* 3(1), May-Jun 2009, Pages: 21-28.

79* The effect of Bone Morphogenetic Protein 4 on the differentiation of mouse embryonic stem cell to erythroid lineage in serum free and serum supplemented media. (English) *Int J BioMed Sci* 2009 5(3) ;100-107.

80* Melatonin promotes the cumulus-oocyte complexes quality of vitrified-thawed murine

ovaries; with increased mean number of follicles survival and ovary size following heterotopic transplantation. *European Journal of Pharmacology*. 618 (2009) 84-90.

VIII. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS:

- 1* Alkaline Phosphatase Histochemistry in Hydatidiform Mole. (1991) 10th International Congress of Physiology and Pharmacology. Ahvase, Iran.
- 2* Placental Alkaline Phosphatase as a Marker in Hidatidiform Mole.(1997) 3th Congress of Anatomy. Tehran, Iran.
- 3* Alkaline Phosphatase Histochemistry and Biochemistry in Compelet Hydatidiform Mole. (1998) 22th Intarnational Congress of Pathology. Nice, France.
- 4* Survival, Fertilization and Developmental Rates of MII Mouse Oocytes After Vitrification in Ethylene Glycol. (1998) Middle East Fertility Society Annual Meeting. Amman, Jordan.
- 5* Effect of Vitrification on the Survival and Development of MII Mouse Oocyte (1999) 4th Congress of Anatomy, Tehran, Iran.
- 6* Placental Alkaline Phosphatase as a Marker for Diagnosis of Hydatidiform Mole. (1998) Middle East Fertility Scociety Annual Meeting. 18-20 Nov, Amman, Jordan.
- 7* Comparisson Between Slow Freezing and Vitrification of MII Mouse Oocytes. (2000)UK Joint Summer Meeting of Fertility Scociety, 31th July-2th Agust, Edinburgh, England.
- 8* Vitrification of Ovarian Tissue Using Ethylene Glycol. (2000) The 7th Annual Meeting of the Middle East Fertility Scociety, 15-18 Nov., Beirut, Lebanon.
- 9* Ultrastructural Changes of Primary Follicles After Vitrification Using Ethylene Glycol (2001) The 17th Annual Meeting of ESHRE, 1-4 July, Lausanne, Swetzerland
- 10* Autograft of Vitrified Mouse Ovarian Tissue Using Ethylene Glycol as Cryoprotectant (2001) The 17th Annual Meeting of ESHRE, 1-4 July, Lausanne, Swetzerland.
- 11* Changes of Heat Stable Alkaline Phosphatase in Hydatidiform Mole. (2001) First Iranian Congress of Cancer Research. 15-18 May Uromia, Iran.

- 12* Vitrification of Ovarian Tissue as a Strategy for Preservation of Fertility of Infertile Patients (2001) First International Iranian Congress On Cancer, 11-13 Sep 2001, Mashhad Iran
- 13* HMG Stimulation of Follicles in Grafted Vitrified Mouse Ovaries. (2001) The 17th World Congress on Fertility and Sterility IFIS 2001, 25-30 Nov, Melbourne.
- 14* Ultrastructure of Stimulated Endometrium (2001) The 17th World Congress on Fertility and Sterility IFIS 2001, 25-30 Nov, Melbourne.
- 15* Growth of Mouse Vitrified Testicular Tissue After Autograft. (2001) The 17th World Congress on Fertility and Sterility IFIS 2001, 25-30 Nov, Melbourne.
- 16* Ultrastructure of Primary Follicles After Ovarian Vitrification. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 17* Isolation and Producing of Mouse Embryonic Stem Cells. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 18* Follicular Stimulation After Vitrification Of Ovarian Tissue Using HMG. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 19* Histological Changes of Autografted Vitrified Testicular tissue. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 20* Ultrastructure of Mouse Endometrium after Hyperstimulation 4.5 Days After Pregnancy. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 21* Ultrastructure of Mouse Endometrium Using Progesterone 3.5 Days After Hyperstimulation. The First International Iranian Congress of Fertility and Sterility, 27-29 Oct 2001, Yazd, Iran.
- 22* Production And Isolating of Mouse Embryonic Stem Cells. The 8th Annual Meeting of the Middle East Fertility Society, 7-10 Nov, 2001, Bahrain.
- 23* Follicular Development After HMG Stimulation of Vitrified Mouse Ovarian Tissue. The 8th Annual Meeting of the Middle East Fertility Society, 7-10 Nov, 2001, Bahrain.
- 24* Transplantation of Vitrified Mouse Ovarian Tissue. The 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.
- 25* Culture and Production and Isolation of Mouse Embryonic Stem Cells in Vitro. The 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.
- 26* Morphological Changes of Mouse Endometrium After Ovarian Hyperstimulation at The Preimplantation Time 5th International Congress of Anatomical Science, 13-15 Nov, 2001,

Tehran Iran.

27* The Effect of Progesterone on The Ultrastructure of Mouse Endometrium During Implantation Period After Hyperstimulation. 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.

28* Ultrastructural Changes of Motoneuron Synaps During Early Period of Newborn Rat Axotomy. 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.

29* Study of Vitriified Autografted Testicular Tissue in Mice. 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.

30* Morphometry of Motoneuron Count During Early Period Of Sciatic Axonomy in Newborn Rat. 5th International Congress of Anatomical Science, 13-15 Nov, 2001, Tehran Iran.

31* Morphological Studies of Sertoli Cells of Bab/C Mice Following Different Doses of Cadmium Chloride Application. Toxicology Letters.

32* In Vivo Studing of Bioceramics In Order to Replace the Bone Defects Due to Cancer Therapy. 2001, 10th Iranian Conference of Biomedical Engineering 31 Oct

33* The Effect of Progesterone on the Ultrastructure of Mouse Endometrium During Preimplantation Period after Hyperstimulation. 10th World Congress on the Menopause, 10- 14 June 2002.Berlin.

34* CFU-GM Colonies Were Derived from Embryonic Stem Cells. 7 th Annual Meeting of the Europian Haematology Association - EHA 2002 Florence , Italy 6-9 June.

35* Survival Rates of Follicles after Cryopreservation of Neonatal Mouse Ovaries. The 9th Annual Meeting of the Middle East Fertility Society, 30 Oct.-2 Nov, 2002, Cairo, Egypt.

36* Glycocalyx Alteration of Mouse Endometrium after Hyperstimulation and Progesterone Injection. The 9th Annual Meeting of the Middle East Fertility Society, 30 Oct.-2 Nov, 2002, Cairo, Egypt.

37* Effect of LIF on the Differentiation of Mouse Embryonic Stem Cells. The 9th Annual Meeting of the Middle East Fertility Society, 30 Oct.-2 Nov, 2002, Cairo, Egypt.

38* Pinopodes Expression After Hyperstimulation and Progesterone Injection of Mouse Endometrium at the Preimplantation Time. The 9th Annual Meeting of the Middle East Fertility Society, 30 Oct.-2 Nov, 2002, Cairo, Egypt.

39* Alkaline Phosphatase Activity in Apical Surface of Mouse Endometrium after Ovarian Stimulation and Progesterone Injection. The 19 th Annual Meeting of ESHRE- Madrid 2003.

40* Mouse Endometrial Pinopodes Expression During Implantation Window after Ovarian Stimulation and Progesterone Injection. 3rd Joint Meeting of the British Andrology Society, The British Fertility Society and the Society for Reproduction and Fertility (Fertility 2003). Aberdeen Scotland 13-17 July 2003.

41* Purification of Dendritic Cells from Mouse Spleen. 6th Iranian Congress of Immunology and Allergy. Iran Univ. of Medical Sciences, Tehran 7-9 May 2002.

42* In Vitro Differentiation of Isolated Mouse Embryonic Stem Cells to CFU-GM Colonies. 3th Iranian Congress of Biotechnology, Mashhad, Iran, 2003.

43* Evaluation of Alkaline Phosphatase Activity of Apical Surface of Mouse Endometrium after Ovarian Hyperstimulation and Progesterone Injection. 16th Iranian Congress of Physiology and Pharmacology, Tehran, Iran 2003.

44* Alkaline Phosphatase Activity in Apical Surface of Mouse Endometrium after Ovarian Stimulation and Progesterone Injection. 19th Annual Meeting of the ESHRE , Madrid, Spain, 2003.

45* Differentiation of Embryonic Carcinoma Cells (P19) to Myeloid and Erythroid Lineage. 8th Annual Congress of the Eur Hematology Association, Lyon, France 12-15 June 2003.

46* The Effect of Progesterone on the Morphology of Mouse Vaginal Epithelium after Hyperstimulation. The 10th Annual Meeting of the Middle East Fertility Society, Beirut, 10-13 Dec 2003.

47* The Effect of GM-CSF on the Development of 8 cells Embryos. The 10th Annual Meeting of the Middle East Fertility Society, Beirut, 10-13 Dec 2003.

48* The effect of GM-CSF on the Development of 2 Cells Embryos. The 10th Annual Meeting of the Middle East Fertility Society, Beirut, 10-13 Dec 2003.

49* The Leukemia Inhibitory Factor Enhance the Development of Eight Cell Embryos. The 10th Annual Meeting of the Middle East Fertility Society, Beirut, 10-13 Dec 2003.

50* The Development of Two Cell Mouse Embryos Using Leukemia Inhibitory Factor. The 10th Annual Meeting of the Middle East Fertility Society, Beirut, 10-13 Dec 2003.

51* The Correlation Between Transmission and Scanning Electron Microscopic Study For Evaluation of Endometrial Pinopodes Expression after Ovarian Hyperstimulation. 5th Int Congress of Obstet and Gynecol Tehran, 8- 11 Dec 2003.

52-* The Effect of Progesterone after Ovarian Hyperstimulation on the Ultrastructure of Mouse Endometrium During Preimplantation and Implantation Period. 5th Int Congress of Obstet and

Gynecol Tehran, 8- 11 Dec 2003.

53* Differentiation of Embryonic Carcinoma Cells (P19) by Co-culturing With the Mouse Fetal Liver Cells to Hematopoietic Cells. (Meeting abstract, France, EHA) Experimental hematology, 31; 182, 2003.

54* The Effect of Granulocyte- Macrophage Colony Stimulating Factor: One of Family of Epithelial Cell Derived Cytokines on Development of Mouse 2 Cell and 8 Cell Embryos. New Immunological Findings in Fertility and Sterility Symposium 2004, Isfahan, Iran.

55* Immunoregulatory Activity of Supernatants from Short- Term Culture of Mouse Decidual Tissue on Antigen Presentation by Dendritic Cells. New Immunological Findings in Fertility and Sterility Symposium 2004, Isfahan, Iran.

56* The Effect of Leukemia Inhibitory Factor to Enhance the Development of 2 and 8 Cells Mouse Embryos. New Immunological Findings in Fertility and Sterility Symposium 2004, Isfahan, Iran.

57* Cytochemical Characteristics of Murine Splenic Dendritic Cells. The 7th Congress of Immunology and Allergy, 2004, Mashhad, Iran.

58* TH2 Promoting Activity of Decidual Cell Cultures Supernatants on Dendritic Cells. The 7th Congress of Immunology and Allergy, 2004, Mashhad, Iran.

59* The Effect of Mouse Decidual Culture Supernatant on Antigen Presentation by Dendritic Cells. The 7th Congress of Immunology and Allergy, 2004, Mashhad, Iran.

60* Analysis of Endometrial Myeloid and Lymphoid Dendritic Cells during Mouse Estrus Cycle. The 7th Congress of Immunology and Allergy, 2004, Mashhad, Iran.

61* The Comparisson of Survival Rates of Isolated Antral, Pre-Antral and Primary Follicles after Vitrification using Trypan Blue. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

62* The Effect of LIF on the Improvement of Development of 2 and 8 Cell Mouse Embryos. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

63* Differentiation of Embryonic Carcinoma Cells (P19) to Hematopoietic Cells. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

64* Development of Isolated Blastomeres from 4 Cell Mouse Embryo in the Presence of LIF. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

65* The Effects of Basement Membrane, Lysosomal Enzymes and Cell Death on the Development

of Mouse Palatine Shelves. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

66* Evaluation of Differentiation Induction of Mouse Yolk Sac Stem Cells to Erythroid Lineage Using Erythropoietin. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

67* The Effects of Progesterone on the Mouse Vaginal Morphology after Superovulation. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

68* Improve the Development of 2 cell and Its Isolated Blastomeres in the Presences of GM-CSF. The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

69* Alkaline and Acid Phosphatase in Follicular Fluid. The 11th Annual Meeting of the Middle East Fertility Society, Jordan, 2004.

70* Morphometrical Studies of Stimulated Endometrium. The 11th Annual Meeting of the Middle East Fertility Society, Jordan, 2004.

71* Effect of Different Concentration of Progesterone on the Development of Two-Cell Mouse Embryo. The 11th Annual Meeting of the Middle East Fertility Society, Jordan, 2004.

72* Development of Mouse Isolated Blastomeres. The 11th Annual Meeting of the Middle East Fertility Society, Jordan, 2004.

73* The Effects of Progesterone on the Embryo Quality After Ovarian Induction. The 11th Iranian Congress of Fertility and Sterility, 2005, Tehran, Iran

74* Acid Phosphatase Activity of Endometrium after Hyperstimulation During early Pseudopregnancy (Histochemical Studies). The 11th Iranian Congress of Fertility and Sterility, 2005, Tehran, Iran

75* Alkaline Phosphatase Activity of Endometrium after Hyperstimulation During early Pseudopregnancy (Histochemical Studies). The 11th Iranian Congress of Fertility and Sterility, 2005, Tehran, Iran

76* Evaluation the Acid Phosphatase Activity Changes of Mouse Endometrium after Hyperstimulation During Early Pregnancy Until Implantation Time (Biochemical Studies). The 5th Annual Research Meeting of Iranian Medical Student, 2004, Mashad, Iran.

77* The Pattern of Alkaline Phosphatase Activity after Mouse Hyperstimulation During Early Pseudopregnancy (Biochemical Studies). The 5th Annual Research Meeting of Iranian Medical Student, 2004, Mashad, Iran.

78* Acid Phosphatase Activity of Mouse Ovary after Hyperstimulation. The 6th Annual Research Seminar of Iranian Medical Sciences Student, 2005, Sari, Iran.

79* Hyperstimulation Affects Alkaline Phosphatase Activity of Mouse Uterus and Ovary. The 13th World Congress on In Vitro Fertilization Assisted Reproduction and Genetics, 2005, Istanbul, Turkey.

80* Acid Phosphatase Activity of Mouse Uterus and Ovary after Hyperstimulation. The 13th World Congress on In Vitro Fertilization Assisted Reproduction and Genetics, 2005, Istanbul, Turkey.

81* Alkaline Phosphatase Activity after Superovulation of Mouse Endometrium. The 13th World Congress on In Vitro Fertilization Assisted Reproduction and Genetics, 2005, Istanbul, Turkey.

82* The Survival and Implantation Rates of Blastocyst after Administration of Progesterone in Hypertstimulated and Non Stimulated Mice. The 13th World Congress on In Vitro Fertilization Assisted Reproduction and Genetics, 2005, Istanbul, Turkey.

83* In Vitro Maturation of Preantral Follicles Isolated from Fresh and Vitrified Mouse Ovary in Simple and Co-Culture System. The 13th World Congress on In Vitro Fertilization Assisted Reproduction and Genetics, 2005, Istanbul, Turkey.

84* Comparison of Uterus Acid Phosphatase Activity in Normal and Pseudopregnant Condition. The 8th Iranian Congress of Biochemistry and the 1st International Congress of Biochemistry and Molecular Biology, 2005, Tehran, Iran.

85* Comparison of Mouse Uterus Alkaline Phosphatase Activity in Normal and Pseudopregnancy. The 8th Iranian Congress of Biochemistry and the 1st International Congress of Biochemistry and Molecular Biology, 2005, Tehran, Iran.

86* Alteration of Alkaline Phosphatase Activity after Ovulation Induction in Ovary. The 4th Asian Pacific International Congress of Anatomists. 2005, Kushadasi, Turkey.

87* Alteration of Ovarian Acid Phosphatase Activity during Early Pregnancy. The 4th Asian Pacific International Congress of Anatomists. 2005, Kushadasi, Turkey.

88* The In Vitro Fertilization Rate of Mouse Ova in the Absence or Presence of Recombinant Human Leukemia Inhibitory Factor. The 4th Asian Pacific International Congress of Anatomists. 2005, Kushadasi, Turkey.

89* Differentiation of P19 Embryonic Carcinoma Cells to Erythroid and Non Erythroid Cells in the Presence of Interleukin 3,6 and Erythroid in Simple and Co-culture System. The 4th Asian Pacific International Congress of Anatomists. 2005, Kushadasi, Turkey.

90* The Effect of Laser Therapy of 30 mW on Bone Repair: Histological Study. Emirates Physiotherapy conference 2006, Dubai, UAE.

- 91* Increased Growth and Developmental Rates of Vitrified Mouse Preantral Follicles Using Different Concentrations of Leukemia Inhibitory Factor. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 92* The Effects of Cumulus Cells on in Vitro Maturation of Mouse Germinal Vesicle Stage Oocytes. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 93* Vitrification of Mouse Ovary Has not Effects on Incidence of Follicular Apoptosis. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 94* Evaluation of Acid Phosphatase Activity Alteration of Endometrium and Ovary after Ovulation Induction during Normal and Pseudopregnancy. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 95* Comparison Between in Vitro and in Vivo Embryo Development and Its Quality after Ovarian Induction in Mice. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 96* The Influence of Ovarian Induction on Alkaline Phosphatase Activity of Mouse Endometrium and Ovary. 7th Iranian Congress of Anatomical science, 2006, Kashan, Iran.
- 97* Improve the Growth and Developmental Rates of Isolated Fresh and Vitrified Mouse Preantral Follicles Using Leukemia Inhibitory Factor. 22nd Annual Meeting of the European Society of Human Reproduction and Embryology, 2006, Prague, Czech Republic.
- 98* The Effect of BMP4 on the Differentiation of Embryonic Stem Cells to Erythroid Lineage in Serum Free Media. The 13th Iranian Congress of Fertility and Sterility, 2007, Tehran, Iran
- 99* Effect of Vitrification with Single Agent in Step Wise Manner Using Different Concentrations of Ethylene Glycol on the Morphology of Mouse Ovaries Tissue. The 13th Iranian Congress of Fertility and Sterility, 2007, Tehran, Iran
- 100* Transplantaion and Homing of Treated Embryonic Stem Cells with Erythropoietin. 2007, 23th Annual Meeting of the European Society of Human Reproduction and Embryology, lyon, France.
- 101* Effect of Ovarian Hyperstimulation on the Endometrial Phosphatase Activity. Indo-French Congress on Gynecologic Endoscopy, Ultrasound and Infertility, November 2006, Varanasi (Benares) , India.
- 102* Gene Expression Profile in Erythroid Cells Derived from Embryonic Stem Cells. Indo-French Congress on Gynecologic Endoscopy, Ultrasound and Infertility, November 2006, Varanasi (Benares), India.
- 103* Developmental Potential of Mice Germinal Vesicle Oocyte and Fertilization Rate after Step-Wised Vitrification. Indo-French Congress on Gynecologic Endoscopy, Ultrasound and Infertility, November 2006, Varanasi (Benares), India.

104* The Effect of Co -culturing of M2-10B4 Cell Line on the Differentiation of Embryonic Yolk Sac Stem Cells to Erythroid Hematopoietic Cells. (Meeting Abstract) Cytotherapy, 8, 2006.

105* Morphological, Ultrastructural and Biochemical Identification of Apoptosis in Vitrified-Warmed Mouse Ovarian Tissue. 18th Iranian Congress of Physiology and Pharmacology. 2007, Mashhad, Iran.

106* Flow cytometric analysis of antral follicles isolated from vitrified and non vitrified ovaries in vitro. 14th Congress of Iranian Society for Reproductive Medicine, 2008 Yazd, Iran.

107* The effect of estrogen and progesterone hormones on the endometrial of ovariectomized mice. 14th Congress of Iranian Society for Reproductive Medicine, 2008 Yazd, Iran.

108* The effect of BMP4 on globin genes expression in erythroid-like cells differentiated from embryonic stem cells in serum free media. 14th Congress of Iranian Society for Reproductive Medicine, 2008 Yazd, Iran.

IX. SEARCH PROJECT LEADER:

- Vitrification of ovarian tissue (2001)
- Isolation and differentiation of embryonic stem cells to hematopoietic cells.
- Evaluation of hemoglobin gene expression in hematopoietic cells derived from mouse embryonic stem cells in vitro.
- Differentiation of embryonic stem cells to hematopoietic cells in simple and co-culture systems.
- In vitro maturation of mouse preantral follicles

X. RESEARCH STUDENTS SUPERVISED:

- 1-Effect of vitrification on the ultrastructure of mouse ovarian tissue. (Esmat Abassian, MsC student)
- 2-Effect of hyperstimulation on the ultrastructure of endometrium. (Mandana Biegiy, MsC student)
- 3- Effect of progesterone on the ultrastructure of endometrium after hyperstimulation (Mitra Arianmanesh, MsC student)
- 4- Producing and isolation of embryonic stem cells (Ali Akbar Movasag pour, MsC student).

- 5- Atograft of neonatal ovarian tissue after vitrification (Bita Ebrahimi, MsC student)
- 6- Scanning electron microscopic studies of surface alteration after progesterone injection during implantation period (S. Mehdi Emadi, MsC student).
- 7- Effect of feeder layer of embryonic liver cells on the differentiation of embryonic carcinoma cells (Morteza Yaftyan, MsC student)
- 8- The effect of GM-CSF on the development of isolated blastomeres of 2 and 8 cells mouse embryos (Behnaz Sheygholeslami, MsC student).
- 9- The effect of leukemia inhibitory factor on the development of isolated blastomeres of 2 and 8 cells mouse embryos (Mehdi Ramezani, MsC student).
- 10- Differentiation of mouse yolk sac cells to erythroid lineage in the presence of erythropoietin (Tayebah Rahbarpour, MsC student).
- 11- Evaluation of acid phosphatase activity alteration of endometrium and ovary after ovulation induction during normal and pseudopregnancy to peri implantation period (Maryam Nazm Bojnordy, MsC student).
- 12- Evaluation of alkaline phosphatase activity alteration of mouse endometrium and ovary after hyperstimulation during early pregnancy and implantation time (Hatef Ghasemi Hamid Abadi, MsC student).
- 13- The effect of progesterone on the quality and implantation rate of embryos in hyperstimulated and control mice (Soraya Rasi Ghaemi, MsC student).
- 14- In vitro maturation of mouse vitrified preantral follicles using simple culture and co-culture in the presence of leukemia inhibitory factor (Kamran Haidari, PhD student)
- 15- Evaluation of cell death in in vitro matured follicles after vitrification of mouse ovary (Tahereh Mazoochi, PhD student).
- 16- The effects of co-culture system, erythropoietin and bone morphogenetic protein 4 on the differentiation of mouse embryonic stem cells to erythroid colonies (Mandana Beigi Boroujeni, PhD student).
- 17- Evaluation of the effect of BMP4 (Bone morphogenetic protein 4) on differentiation of embryonic stem cells to erythroid lineage in serum free media (Mohammad Ali Owchi, MsC student).
- 18- Expression pattern of integrins and their ligand (osteopontin) in mouse endometrium after estrogen and progesterone administration (Fatomeh Payghambari, PhD student).
- 19- The effect of selenium on Reactive Oxygen Species concentration of cultured preantral follicle from vitrified mouse ovaries using conventional and direct cover technique (Ali Abed Elahi).

XI. RESEARCH STUDENTS Co-SUPERVISED:

- 1- Morphological studies of blastocyst derived from isolated blastomere of 2 & 4 cell embryos. (Ghasem Saki, PhD student)
- 2- Evaluation of elastase produced by isolated aspyrogylous fomigatos in presence and absence of serum protease of rat (S. M. Emran, PhD student).
- 3- The assessment of in vitro maturation and fertilization of BDF1 mice germinal vesicle oocytes after vitrification (Reza Mahmoudi, PhD student).

XII. COURSES TAUGHT:

Medical student	General Histology
MSc of Anatomy & Histology	General Histology
BSc of Biology	General Histology
MSc of Anatomy & Histology	Advanced Histology
MSc of Anatomy & Histology	Histology Lab.
PhD of Anatomy & Histology	Advanced Histology
MSc of Anatomy & Histology	General Embryology
BSc of Biology	General Embryology
MS.c of Anatomy	Micro Anatomy
MS.c of Histology	Histo-techniques
Ph.D. of Anatomy	Tissue Culture
Ph.D. of Anatomy	Stem Cells

XIII: Books

- Stem Cells
- Experimental Embryology

- General And Advance Techniques in Histology

XIII: Awards

- National Winner in 4th Royan International Research Award (Reproductive Biomedicine)
- National Winner in 5th Royan International Research Award (Reproductive Biomedicine)
- The Best Poster Presentation in The 6th Iranian Congress of Anatomical Science, 2004, Shiraz, Iran.

XV. NAMES AND ADDRESSES OF SEVERAL REFERES:

Professor Dr. Mojtaba Rezazadeh, Department Anatomy, University Tarbiat Modares

Professor Dr Ahmad Hosseini, Department Anatomy, University of Shahid Beheshti.

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Dr Alireza Fazeli, Academic Unit of Reproductive and Developmental Medicine, Obstetrics and Gynaecology Dept., Sheffield University, E mail: A.Fazeli@sheffield.ac.uk