

Personal C.V.

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Date of Birth : 03, 11, 1957

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Qualifications

1/ School of Medicine, Yamagata University, Japan; Post doctorate in ovarian follicle culture, 1997

2/ School of Medicine, Tarbiat Modarres University, Ph.D. in Anatomy & Embryology 1997

3/ School of Medicine, Tehran University, Iran ;M.Sc. in Anatomy 1990

4/ School of Medicine, Isfahan University, Iran ;B.Sc. in medical lab. sciences 1983

Occupation

Associate professor, Afzalipour Medical Faculty, Kerman University of Medical Sciences, Kerman, Iran.

Current position: Vice chancellor in research at Afzalipour medical school, kerman, Iran

Teaching Experience

1/ Gross Anatomy to B.Sc., M.Sc., Medical & Ph.D. students

2/Embryology to B.Sc., M.Sc. & medical students

Research Interests

- 1/Preimplantation embryo development.
- 2/ in vitro folliculogenesis
- 3/ Stem cells

Current Researches

- 1/ Transdifferentiation of umbilical cord matrix mesenchymal cells into insulin secreting cell and the effects of transplantation of these cells on diabetic rats.
- 2/ Transplantation of human umbilical cord matrix stem cells into infarcted heart of rabbits.
- 3/ Effects of different culture conditions on differentiation of human umbilical Cord Matrix cells to Neuron-like cells.

Publications

Books

- 1/**Nematollahi N., Imami Meibodi M.A.** (1992) Illustrated Anatomy for Nurses (*persian*)
- 2/ **Rezazadeh M., Nematollahi-Mahani SN. And others.** (2003) Intracytoplasmic sperm injection techniques. Royan Institute, Tehran (Persian)

Papers

- 1/ Rezazadeh M, **Nematollahi SN**, Hosseini A. (1997) The effect of Vero cells on development of one and two cell mouse embryos. *Middle East Fertility Society Journal*; 2(1): 34-40.
- 2/ **Nematollahi SN**, Valojerdi MR, Hosseini A, Mozdarani H. (1998) The effect of Vero cells on preimplantation mouse embryos in culture system. *Pazhouhesh in pezeshki (Res in Med)*; 21(4): 80-90. (Persian, abstract in English)
- 3/ **Nematollahi SN**, Rezazadeh M, Imami Meibodi MA. (1999) Preimplantation mouse embryo cryopreservation with propandiol and sucrose: the effect of developmental stage. *Yakhteh (cell)*; 1(2): 15-20 (Persian, abstract in English).
- 4/ **Nematollahi SN**, Valojerdi MR. (1999) Effect of Vero cell coculture on the development of frozen-thawed two-cell mouse embryos. *J Assist Reprod Genet. Aug*;16(7):380-4.
- 5/ Amiri I, Barbarestani M, Marzban H, **Nematollahi SN**, Niknafs B. (2001) Ascorbic acid diminishes developmental damages induced by high glucose in mouse pre-implantation embryos in vitro. *Arch. Razi. Ins.* 52; 75-85.
- 6/ Amiri I, Marzban H, Barbarestani M, **Nematollahi SN.** (2001) *Effects of L-arginine on development of mouse pre-implantation embryos in high glucose media. Barvari and Nabarvari (Fertility and sterility)*; 8:4-12 (Persian, abstract in English).
- 7/ Ezzatabadi pour M, Hosseini H, Baharvand H, **Nematollahi SN**, Heidary MH. (2002) Developmental potential of mouse morula, early and late blastocyst after vitrification. *yakhteh (cell)*;13(4):23-32. (Persian, abstract in English)
- 8/ Ezzatabadi pour M, hosseini A, **Nematollahi-mahani SN**, Baharvand H, Heidari MH. (2003) Ultrastructure of mouse early blastocysts after vitrification. *Kowsar Medical Journal*;8(2): 85-97. (Persian, abstract in English)
- 9/ Barbarestani M, Amiri I, Abolhassani F, Dehpour A, Niknafs B, **Nematollahi-mahani SN**, Abdolvahabi A. (2001) The Role of Arginine in Control of Apoptosis in Preimplantation Mouse Embryos Cultured in High Glucose Medium. *Daru*;12(1), 18-23.

- 10/ Babaei H, Derakhshanfar A, **Nematollahi-mahani SN**, Nabipour F, Zeraatpisheh A. (2005) Morphologic Changes in Fresh And Vitrified Mouse Ovaries After Retinol Palmitate Administration. *IJRM*; 3(2), 62-67.
- 11/ Babaei H, **Nematollahi-mahani SN**, Kheradmand A. (2006) The Effects of Vitamin A Administration on the Development of Vitrified Warmed Mouse Blastocyst. *Animal Reproduction Science*; 95 125–133
- 12/ Babaei H, **Nematollahi-mahani SN**, Kheradmand A, Ayan A. (2006) In vitro survival rate of bovine oocytes following vitrification in glass capillary micropipette (CGM). *Iranian Journal of Veterinary Research*; 7(1):8-13.
- 13/ **Nematollahi-mahani SN**, Amini S, Imami-Meibodi MA, Nabipour F, Eftekhari-Vaghefi SH. (2005) Effects of morphine on Mouse folliculogenesis followed by Superovulation. *Kerman Medical University Journal*; 12(3): 180-174. (Persian, abstract in English)
- 14/ **Nematollahi-mahani SN**, Pahang H, Nematollahi-Mahani AM. (2006) Effects of visible light on development of mouse 2-cell embryos. *Kerman Medical University Journal*; 13(3): 1-7 (Persian, abstract in English).
- 15/ **Nematollahi-mahani SN**, Pahang H, Kiani-Nejad MA. (2007) Potential of Mouse and Human Embryonic Fibroblasts to Support Mouse Embryo Development Following Exposure to Laboratory Temperature. *Journal of Iranian anatomical sciences*; 4(2): 163-174 (Persian, abstract in English).
- 16/ Fariabi J, **Nematollahi-mahani SN**, Malekpour R, Nematipour A, Fardisi S. (2006) In vitro cultivation of human mandibular bone stem cells. *Kerman Medical University Journal*; 13(2): 57-66 (Persian, abstract in English).
- 17/ **Nematollahi-mahani SN**, Rezazadeh-Kermani M, Mehrabani M, Nakhaee N. (2007) Cytotoxic Effects of *Teucrium polium* on Some Established Cell Lines. *Pharmaceutical Biology*; 45(5):295-298.
- 18/ Hajalizadeh N., Babaei H., **Nematollahi-mahani SN.**, Azizollahi S. (2008) The development of early mouse embryos in vitro in fibroblast and cumulus cell co-culture supplemented with retinoic acid. *Iranian Journal of Veterinary Research*. 9(1):1-8.
- 19/ Arabpour E., Paydar A., Sheibani V., Rayegan P., **Nematollahi-Mahani SN**. (2008) Chronic morphine dependency and its behavioral reproductive effects in rats. *J Reprod and fertil*, 8(4): 337-344. (Persian, abstract in English).
- 20/ Homayoon Babaei, Mojgan Moshrefi, Mehdi Golchin, **Seyed Nouredin Nematollahi-Mahani** (2008) Assess The Pluripotency of Caprine Umbilical Cord Wharton's Jelly Mesenchymal Cells By RT-PCR Analysis of Early Transcription Factor Nanog. *IJVS*, 3(2): 57-65.
- 21/ **Seyed Nouredin Nematollahi-mahani**, Hasan Pahang, Ghazaleh Moshkdanian M.S. Amirmehdi Nematollahi-mahani. (2009) Effect of embryonic fibroblast cell co-culture on development of mouse embryos following exposure to visible light. *Journal of assisted Reproduction and Genetics*, 26:129-135.
- 22/ **Seyed Nouredin Nematollahi-mahani**, Mohammad Rezazadeh kermani, Mostafa Latifpour, Parvin Salehinejad (2009) Biological and Biochemical Characteristics of Human Umbilical Cord Mesenchymal Cells. *J Reprod and fertil*, 10(1):7-15. (Persian, abstract in English)

23/ Hossein Eskandary M.D., Seyed Nouredin Nematollahi-mahani Ph.D., Nasser Zangiabadi M.D. (2009) Skull Indices in a Population Collected From Computed Tomographic Scans of Patients with Head Trauma. *Journal of Craniofacial Surgery*, 20:545-550.

24/ Mahmoud Aghaee-afshar, Mohammad Rezazadehkermani, Alireza Asadi, Reza Malekpour-afshar, Armita Shahesmaeili and Seyed Nouredin Nematollahi-mahani. (2009) Potential of Human Umbilical Cord Matrix and Rabbit Bone Marrow-Derived Mesenchymal Stem Cells in Repairing of Surgically Incised Rabbit External Anal Sphincter. *Diseases of the colon and Rectum*, 52 (10):1753-1761.

25/ Nematollahi-mahani SN, Nematollahi-mahani AM, Moshkdanian GH, Shahidzadehyazdi Zh, Labibi F (2009). The role of co-culture systems on development of preimplantation mouse embryos against pH fluctuations of culture media. *Journal of assisted reproduction and genetics*. 26 (11-12): 597-604.

26/ Seyed Nouredin Nematollahi-mahani, Ph.D., Zhinosossadat Shahidzadehyazdi, Fateme Labibi, Victoria Habibzadeh, M.D., Tayebe Naderi, M.D., Elahe Karamad, M.D. (under review) The impact of opium dependence and smoking on semen quality and clinical pregnancy after intrauterine insemination. SMJ

27/ Eftekhari Vaghefi H., Zareii Fard N., Shahidzadeh Zh., Nematollahi-mahani SN. (2009) Isolation and primary culture of ES-like colonies from NMRI mouse embryos. *Iranian journal of reproductive medicine*, 7(4): 145-152.

28/ Zahra Eslami-Nejad1 S. Nouredin Nematollahi-Mahani, Fereshteh Saffari, Hamid Mollaii, S. Ali Mohammad Arabzadeh. (2010) Cell death induction by *Streptococcus pyogenes* in four types of malignant cell lines. *MJIRI*, 23(4): 207-217.

29/ Eskandary H, Karamouzian S, Nematollahi-mahani SN. (under review) Clinical improvement of spinal cord injured patients following autologous bone marrow cell transplantation. *Spine*.

30/ Seyed Nouredin Nematollahi-mahani, Mostafa Latifpour, Massoud Deilamy, Behzad Sorour Azimzadeh, Seyed Hasan Eftekhari-vaghefi, Fatemeh Nabipour, Hamid Najafipour, Nouzar Nakhaee, Mohammad Yaghoubi, Rana Eftekhari-vaghefi, Parvin Salehinejad, Hossein Azizi (submitted) Improvement in experimentally induced infarcted cardiac function following transplantation of human umbilical cord matrix-derived mesenchymal cells. *J Mol Cell cardiol*.

31/ Nematollahi-mahani SN, Moshkdanian GH, Nematollahi-mahani AM, Pooya F. (under review) Antioxidants enhance embryo development at a rate comparable with co-culturing of embryos with human umbilical cord matrix cells and conditioned media. *Journal of assisted reproduction and genetics*.

32/ Zohreh Mahdinia, Rana Eftekhari-vaghefi, Mitra Mehrabani, Fatemeh Nabipour, Vahid Hemayatkhah-jahromi, Seyed Nouredin Nematollahi-mahani. (under review) In vitro inhibition of the growth of glioblastoma by *Teucrium polium* crude extract and fractions. *Fitoterapia*.

Abstracts

1/Nematollahi N, Rezazadeh M., Hosseini A. The Effect of Different Thawing Rates on the Development of Mouse Embryos. 2nd Middle East Fertility society meeting ; Alexandria, Egypt.

1995.

2/Nematollahi N. and Rezazadeh M. Embryo Cryopreservation, The effect of thawing rate. *5th international Congress in Gynaecology & Infertility; Tehran, Iran 1996.*

3/Nematollahi N., Rezazadeh M., Hosseini A. The effect of Vero cell on pronuclear & 2-cell mouse embryo. *Middle East Fertility Society Journal 1996;1(suppl 1): 22.*

4/Nematollahi N., Rezazadeh M., Hosseini A. Effects of co-culturing of feeder cells, isolated from different regions of human oviduct on preimplantation mouse embryos. *Middle East Fertility Society Journal 1996; 1(suppl 1): 22.*

5/Nematollahi N. Human embryo cryopreservation. *1st seminar on advanced techniques in treatment of infertility. Tehran, Iran 1996.*

6/Nematollahi N., Rezazadeh M., Hosseini A., Mozdarani H. Development of Frozen -thawed 2-cell mouse embryos in 1,2 propandiol is enhanced by coculturing with Vero cells. *J.Assist. Reprod. Genet.1997; 14(suppl): 184s.*

7/Nematollahi N., Rezazadeh M., Hosseini A., Mozdarani H. The effect of embryonic stage on success of cryopreservation. *Hum.Reprod.1997; 12(Abstr 1) 229.*

8/Nematollahi N., Saito H., Rezazadeh M., Hiroi M. Vitrification of mouse cleaved embryos and oocytes with ethylene glycol and trehalose. *Middle East fertility society Journal 1997;3(suppl 1):50.*

9/Nematollahi N., Saito H., Hiroi M. correlation between developmental capacity of preantral ovarian follicles with follicle developmental stage. *Middle East Fertility Society Journal1998; 3(suppl 3):34-35.*

10/Nematollahi N., Saito H., Hiroi M. Vitrification of mouse ovarian tissue in ethylene glycole based solution, thawing, in vitro maturation of follicles and fertilization of oocytes. *Fertil.Steril.1999; 72 (3) suppl. 1: s200 p-344.*

11/Nematollahi N., Saito H., Hiroi M. In vitro maturation of ovarian follicles in presence of hyaluronic acid. *Fertil. Steril.1999; 72 (3) suppl. 1: s200 p-345.*

12/Nematollahi N. Human gamet cryopreservation; benefits and complications. *4th seminar on advanced techniques in treatment of infertility. Tehran, Iran 1999.*

13/Amiri I., Marzban M., Baharvand H., **Nematollahi N.,** Niknafs B. Ascorbic acid diminishes damages induced by high glucose in mouse pre-embryos in vitro. *5th international meeting of Iranian anatomists, Tehran, Iran, 1999*

14/ Rohani R. and Nematollahi N. The effect of pH on sperm parameters. *8th fertility and infertility meeting. Tehran, Iran 2000.*

15/Nematollahi N. and imami Meibodi M.A. Post implantation development of IVF-derived mouse embryos in vitro. *Middle East Fertility Society Journal 2000.*

16/Nematollahi N. Application of cryopreservation in ART. *5th seminar on advanced techniques in treatment of infertility. Tehran, Iran 2000.*

17/ Nematollahi N. and Saito H. Mouse ovarian follicle culture: the effect of developmental stage and incubation system. *Hum. Reprod. 2000; 15 (Abstr1): 229.*

- 18/ Nematollahi N.**, Rohani R. Imami Meibodi MA. and Hosseini A. The effect of pH on sperm parameters and sex ratio. *Hum. Reprod.* 2001; 16(Abstract) 45-46.
- 19/ Ezzatabadipour M.**, hosseini A., **Nematollahi N.**, Heidari MH., Baharvand H.(2002) *Vitrification alters ultrastructure of mouse early blastocysts. The third Royan International award. Tehran, iran*
- 20/ Nematollahi-mahani N.**, Zareii fard N., Imami meibodi MA., Kazemi Ashtiani S. (2002) *Effects of different feeder layers and serum supplements on development of mouse embryos. Middle East fertility Society Journal*
- 21/ Nematollahi-mahani N.**, Eftekhar Vaghefi H., Nematollahi Mahani AM. (2003) *Development of murine embryos in co-culture systems after exposure to room temperature. Middle East fertility Society Journal*
- 22/ Eftekhar Vaghefi H.**, Zareii Fard N., Tayiarzadeh MA., **Nematollahi-mahani N.** (2003) *Cultivation of mouse embryos to isolate embryonic stem cells. Middle East fertility Society Journal*
- 23/ Danaii M.**, Assaran M., Sheibani V., Kalantaripour T., **Nematollahi N.** Effects of morphine dependency on sexual activities, pregnancy outcome and offspring disorders. *6th Iranian congress on anatomical sciences. Shiraz, Iran, 2004.*
- 24/ Assaran M.**, Danaii M., Sheibani V., Kalantaripour T., **Nematollahi N.** Effects of oral morphine consumption during pregnancy on development of CNS in rat offspring. *6th Iranian congress on anatomical sciences. Shiraz, Iran, 2004.*
- 25/ Amiri I.**, Barbarestani M., Niknafs B., Dehpour AR., **Nematollahi N.** Effects of NO in the control of developmental disturbances of mouse embryos after exposure to high glucose media in vitro. *6th Iranian congress on anatomical sciences. Shiraz, Iran, 2004.*
- 26/ Labibi F.**, Shahidzadeh ZH., Habibzadeh V., Mehri-Mahani I., Kamyabi Z., **Nematollahi-mahani SN.** Effect of seasonal changes on Semen and sperm parameters. *17th Phisiology and Pharmacology congress (students section). Kerman, Iran, 2005.*
- 27/ Shahidzadeh ZH.**, Labibi F., Habibzadeh V., Mehri-Mahani I., Kamyabi Z., **Nematollahi-mahani SN.** Effects of cigarette smoking and opium on semen quality and the rate of fertility following IUI. *17th Physiology and Pharmacology congress (students section). Kerman, Iran, 2005.*
- 28/ Paydar A.**, Arabpour E., Sheibani V., Rayegan P., **Nematollahi-mahani SN.** Effect of oral morphine on common growth characteristics, skull dimensions and weight of brain of rat pups. *17th Phisiology and Pharmacology congress (students section). Kerman, Iran, 2005.*
- 29/ Arabpour E.**, Payedar A., Sheibani V., Rayegan P., **Nematollahi-mahani SN.** Effect of oral morphine on some sexual behaviors and maternity in rat pups. *17th Phisiology and Pharmacology congress (students section). Kerman, Iran, 2005.*
- 30/ babaei H.**, **Nematollahi-mahani SN.**, Kheradmmand A. Effecte of Vitamine A administration on development of vitrified-warmed mouse blastocysts. *17th Phisiology and Pharmacology congress. Kerman, Iran, 2005.*
- 31/ Nematollahi-mahani SN.**, Rezazadeh-Kermani M., Mehrabani M., Nakhaei N. Novel cytotoxic effects of Fumaria Parviflora on established cell lines. *First students Meeting on Biothechnology, Tehran, Iran, 2005*

32/ Afshar MS., Nematollahi-mahani SN., Rezazadehkermani M., Asadi A., Malekpour R., Shahesmaeili A. Stem cells may improve anal sphincter function. **2006, Hong kong.**

33/ Nematollahi-mahani SN., Rezazadeh-Kermani M., Mehrabani M., Nakhaei N. Effect of ethanol extract of Teucrium Polium on cell proliferation and colony formation of established cell lines. *The 7th Iranian congress of Iranian medical science students, Tehran, Iran 2006 (prized abstract)*

34/ Nematollahi-mahani SN, Amini S, Imami meibodi MA, Eftekhari vaghefi SH, Nabipour F. Effects of morphine on mouse folliculogenesis and IVM-IVF following induction of ovulation. *!3th world congress on In vitro Fertilization & 3rd world congress on In Vitro Maturation, 2007, Montreal, Canada.*

35/ Nematollahi-mahani SN, Rezazadeh-kermani M, Latifpour M. Change in the properties of human umbilical cord matrix cells following culture in different high or low populations. *14th MEFS meeting. 2007 Turkey, Antalia.*

36/ Karamad E, Labibi F., Shahidzadeh J., Nematollahi-mahani SN. Do seasonal changes alter semen and sperm parameters? *14th MEFS meeting. 2007 Turkey, Antalia.*

37/ Rezazadehkermani M, Aghaee-afshar M, Nematollahi-mahani SN, Asadi AR, Malekpour R, Shahesmaeili A. May stem cells improve anal sphincter function. *2008 5Apica, Tehran, Iran.*

38/ Salehinejad P, Torshizi Z, Mohit M, Nourjahan banoo, Nematollahi-mahani SN

Comparison of the methods for Isolation of mesenchymal stem cells from human umbilical cord. *2008. 5 Apica, Tehran, Iran.*

39/ Pahang H, Nematollahi-mahani AM, Kianinejad MA, Nematollahi-mahani SN. Effect of embryonic fibroblast cell co-culture on development of mouse embryos following exposure to visible light. *IJRM, 7 (supplement 1); 58:p41.*

40/ Eslami nejad Z, Nematollahi SN, Mollaii H, Saffari F. Comparison of cell death using Trypan blue, WST-1 and DNA electrophoresis methods on four cancer cell lines. *2nd international and 7th national congress on quality improvement in clinical laboratories. APR 20-23, 09 Tehran, Iran.*

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