

Department of Anatomical Sciences, School of Medicine,
Mazandaran University of Medical Sciences, Sari, Iran.



CURRICULUM VITAE



Personal Information:

Name: Nourollah Rezaei

Gender: Male

Married statue: Married

Children: 3

Nationality: Iranian

Date of birth: 04.02.1961

Place of birth: Savadkoh, Mazandaran, Iran

Qualification: Ph.D. Anatomical Sciences (Anatomy, Embryology and Histology), IVF Fellowship.

Academic Positions: Associate professor

Research and Training: Anatomy and Embryology

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University Education:

1.2002 (Mar.-Sep.): **IVF Fellowship from McGill university.** Department of Obstetrics and Gynecology, Research Division. McGill University Health Centre, Royal Victoria Hospital, Montreal, Quebec, Canada (Professor Ri-Cheng Chian).

2.1992-1996: **Ph.D. degree in Anatomical Sciences** (Anatomy, Embryology and Histology), graduated from Medical Faculty of Mashhad University of Medical sciences, Iran.

Thesis: Teratogenic effects of vitamin A on the Neural tube formation.

Advisor: Dr. Mohammadreza Nikravesh, Dr. Mehdi Jalal and Dr Alireza Fazel.

3.1989-1991: **M.Sc. degree in Anatomy**, graduated from Medical Faculty of Tehran University Of Medical Sciences, Iran.

Thesis: The survey of static anthropometry of lower limbs in students of Tehran University between 20 to 30 years.

Advisor: Dr. Mohammadali Naraghi.

4.1985-1989: **B.Sc. degree in Physical Therapy**, graduated from Rehabilitation Faculty of Tehran University of Medical Sciences, Iran.

Thesis: Musculoskeletal Disorders.

Advisor: Dr. Hussein Bagheri.

Major administrative responsibilities:

-Member of Iranian board of Anatomical Sciences (2011-2014).

-Head of Anatomical Sciences Department, Sari medical faculty (1996; 2003-2005; 2011-2015).

-Basic Science Education deputy of Sari medical faculty (1995-1997).

-Dean of Sari paramedical Faculty (1997-2001).

-Member of Research committee of Sari medical faculty (1996-2001; 2005-2010)

-Member of Research committee of Research and Technology Deputy of Mazandaran University of Medical Science (1998-2001).

- Finance deputy of Sari medical faculty (2003-2005).
- Member of Strategic committee of Mazandaran University of Medical Science (2003-2006)
- Member of Basic Science Education committee of Sari Medical Faculty (1995-2001)
- Member of EDC committee of Mazandaran University of Medical Sciences (1995-2001)

Honors and distinctions:

- An Outstanding Researcher for a 3 period (1998 to 2008) (Mazandaran University of Medical Sciences).
- An Outstanding Associate Professor for the Teachings of Anatomy and Embryology (2000-2006) (Sari Medical Faculty).

Memberships:

- Iranian Society of Anatomical Sciences
- Iranian Scientific Association of Embryology and Reproductive Biology

Employment and Experiences

-Date of employment: From 1991 to 1995 as instructor membership and from 1996 to 2005 as an assistant professor and now as an associate professor in School of Medicine, Mazandaran University of Medical Science, Sari, Mazandaran, Iran.

Teaching experiences:

- Teaching of Anatomy** (Neuroanatomy, Trunk, Limbs, and Head & Neck anatomy) for Medical students, School of Medicine, Mazandaran University of Medical Science
- Teaching of Anatomy** (Neuroanatomy and Head & Neck anatomy) for Dentistry students, School of Dentistry, Mazandaran University of Medical Science
- Teaching of Anatomy for Master of Sciences (M.Sc) students for anatomical sciences and Master of Sciences (M.Sc) students for Professional Healthy, Mazandaran University of Medical Science**
- Teaching of Clinical Neuroanatomy for Psychiatry residents, and neurology residents, Mazandaran University of Medical Science**
- Teaching of Clinical Anatomy for sport medicine residents, Mazandaran University of Medical Science**

-Teaching of Medical Embryology for medical, Dentistry and Midwifery students, Mazandaran University of Medical Science

-Teaching of General Anatomy:

-School of Pharmacy, Mazandaran University of Medical Sciences

-School of Paramedical Sciences, Mazandaran University Of Medical Sciences

-School of Health Sciences, Mazandaran University of Medical Sciences

-School of Nursing and Midwifery Sciences, Mazandarzn University of Medical Sciences

-ART Laboratory Certificate from Fatemeh Zahra fertility & Infertility center of Babol University Of Medical Sciences, Iran (2001).

-ART Laboratory Certificate from Esfahan fertility & Infertility center, Iran (2005).

-Working in ART Laboratory as an embryologist, Infertility center of Imam Khomeini Hospital, Mazandaran University Of Medical Sciences, Sari, Mazandaran, Iran from 2005 to now.

-Laboratory techniques: Cell Culture technique, IVM, IVF, Immunohistochemistry, Tunnel, Morhometry, Anthropometry, Computer Skills: Microsoft Word, Microsoft Excel, SPSS, Prism, EndNote.

Book Publications

1-Rezaei Nourollah and Hedayetpour Azim: General Anatomy, A text book for Paramedical Students. Authors: Nourollah Rezaei and Azim Hedayetpour: Gafary Publications.1st edition. Tehran, Iran. 2000.

2-Rezaei Nourollah: General Human Anatomy. Author: Nourollah Rezaei, Gafary Publications.1stedition.Tehran, Iran. 2006

3-Rezaei Nourollah: General Human Anatomy. Author: Nourollah Rezaei, Gafary Publications. 2nd edition.Tehran, Iran. 2010

5-Richard S. Snell: Clinical Neuroanatomy, 3rd edition. Translated to parsian by: Nourollah Rezaei. Gafary Publications.Tehran, Iran, 2006.

6-Richard S. Snell: Clinical Neuroanatomy, 3rd edition. Translated to parsian by: Nourollah Rezaei. Gafary Publications.Tehran, Iran, 2010.Reperint.

7-Richard S. Snell: Clinical Neuroanatomy.3rd edition. Translated to parsian by: Nourollah Rezaei.Gafary Publications.Tehran, Iran, 2014.Reperint.

8- T. W. Sadler: Longman's Medical Embryology. Thirteenth Edition. Translated to parsian by: M. Koruji, M. Nobakht, M. Mardani, B. Esmaeilzade, T. Kermani, S. Bahmanpour, S.N. Nematollahi Mahani, M.

Arab, L.B. Hejazian, N. Rezaei, J. Soleimani Rad. Artin-Teb. Publications.Tehran, Iran, First Edition.2014.

Publications in Journals

1-**Rezaei Nourollah**; Jalali M., Nikravesh M., Fazel A.R.: Teratogenic effects of Vitamin A on Neurolation in mouse embryo. Journal of Medical faculty –Guilan University of Medical Sciences Vol.7, No.25&26, PP: 52-61, 1998.

2-**Rezaei Nourollah**, Mehdizadeh F.; Khalilian A.R. The study to determine the rate of medical record knowledge of the managers in Educational treatment and treatment centers in Mazandaran and Golestan Provinces in 1999. Nameh Daneshgah –Journal of Mazandaran University of Medical Sciences .Vol.10, No.27, 2000.

3-**Rezaei Nourollah**, Hashemi M., Khalilian A.R., Moghaddam A.: Teratogenic effects of excess Vitamin A on the Limb formation in mouse embryo. Nameh Daneshgah –Journal of Mazandaran University of Medical Sciences .Vol.11, No.31, PP: 16-24, 2001.

4-**Rezaei Nourollah**, Chian RC.: Effects of essential and non-essential amino acids on in-vitro maturation, fertilization and development of immature bovine oocytes. Iranian Journal of Reproductive Medicine.Vol 3; No.1, PP: 36-41, 2005.

5-**N Rezaei**, M B Hashemi Soteh, F Rahimia: Effects of limited doses of retinyl palmitate at the critical time of limb morphogenesis in mouse embryos. Indian Journal of Experimental Biology. Vol. 47, December 2009, pp.949-954

6-Golalipour MG, Jahashahi M., Haidari k. **Rezaei Nourollah**, Morphological evaluation of head in Turkman males in Gorgan-North of Iran. International Journal of Morphology , 25(1):99-102, 2007.

7-Hashemi SMB, **Rezaei Nourollah**, Goodeve A.: Phenotypic study and molecular analysis of Von Willebrand type 1 patients in 6 families.Journal of Babol University of Medical Sciences .Vol, 4, December 2006. (Persian)

8-**Rezaei, Nourollah**, Hashemi, S.M.B; Golalipour, MJ; Chian, R.C.: Effect of Various Concentrations of Glucose on Bovine Cumulus-Oocyte Complexes Maturation, Fertilization and Early Embryonic Development in Vitro. Behbood, Vol. 11(3) pp245-256, 2007.

9-**Rezaei Nourollah**, Hashemi M Effects of limited doses of retinyl palpitate at the critical time of limb morphogenesis in mouse embryos. Indian journal of experimental biology. Vol, 47, December 2009, pp., 949-954

10- Ghasemi Hamidabadi Hatef, **Rezaei Nourollah**, and Nazm Bojnordi Maryam: Characterization of Pluripotency Markers Expression on ES-like

Cells derive from Spermatogonia Stem Cells and Embryonic Stem Cells. Cell & tissue journal, summer 2014; 5(2): 147-155

11- Simin Najafdari; **Nourollah Rezaei**; Majid Malekzadeh Shafaroodi; Soraya Ghafari, Mohammad Jafar Golalipour. Ganglionic Cells Apoptosis in Retinal Layer of Rat Offspring due to Gestational Diabetes. Int. J. Morphol., 32(4):1131-1135, 2014

12-Ebrahimpour R., **Rezaei N**, malekzadeh shafaroudi M , Ghasemi hamidabadi H. , Esmailnejad moghadam A.:Effect of Leptin during In Vitro Maturation, Fertilization and Embryonic Development of Mouse Germinal Vesicle Stage Oocyte. Journal of Cell & Tissue, winter 2015, 5(4).

13-Tadayoni S, Malekzadeh Shafarodi M, Ghasemi Hamidabadi H.Esmailnejad Moghaddam A, Khalilian A, **Rezaei N**: Effect of combination of Melatonin and All-Trans retinoic acid on maturation, fertilization and embryonic development of immature mouse oocytes. Journal of Gorgan University of Medical Sciences, 54

Autumn 2015, vol. 17, no 3. Pp.46-53.

14- Ghasemi hamidabadi H., **Rezaei N.**, Setorg R., Abedian kenari S., Latifpour M., malekzadeh shafaroodi M.: The Concurrent Effect of 5-*Azacytidin* and *DMSO* on In Vitro

Differentiation Induction of Cardiomyocytes from Embryonic Carcinoma Cells P19. Journal of Cell & Tissue (JCT), autumn 2014; 5(3): 317-324.

15-Majid Malekzadeh Shafaroudi., **Nourollah Rezaei**, Saeid Abedian kenari., Raha Setorg, Mostafa Latifpour., Hatef Ghasemi Hamidabadi. The Effect of DMSO in Induction of Differentiation of Cardiomyocytes from Embryonic Carcinoma Cells P19 in Invitro. Scientific Journal of Ilam University of Medical Sciences. February 18, 2015, 23(1), pp; 112-119.

16-Majid Malekzadeh Shafaroudi , **Nourollah Rezaei**, Saeid Abedian kenari, Maryam Nazm Bojnordi , Mostafa Latifpour , Hatef Ghasemi Hamidabadi: An Efficient Protocol for Embryonic Carcinoma Cells P19 Differentiation to Cardiomyocytes Using Oxytocin as Inducer. Research in Molecular Medicine. 2016, Vol: 4, Issue: 1, Pages: 24-29

17-Gholipourmalekabadi M, Mozafari M, Gholipourmalekabadi M, Bojnordi MN, Hashemi-Soteh MB, Salimi M, **Rezaei N**, Sameni M, Samadikuchaksaraei A, Hamidabadi HG. In vitro and in vivo evaluations of three-dimensional hydroxyapatite/silk fibroin nanocomposites scaffolds. Biotechnol Appl Biochem. 2014 Sep 4 doi: 10.1002/bab.1285.

18-Nazm Bojnordi M, **Rezaei N**, Ghasemi Hamidabadi. Characterization of Pluripotency Markers Expression on ES-like Cells derive from Spermatogonia Stem Cells and Embryonic Stem Cells Journal of Cell & Tissue (JCT). Summer 2014; 5(2): 147-155.

- 19-Hatef Ghasemi Hamidabadi, **Nourollah Rezaei**, Reza Mahmoudi, Maryam Nazm Bojnordi. Expression of Spermatogonial and Pluripotency markers in Spermatogonial stem cells after treatment with Different culture factors. *Research in Molecular Medicine*, 2014, Vol: 2, Issue: 2, Pages: 1-6.
- 20-Navazesh A, Esmailnejad-Moghadam A, Karimpour-Malekshah AA, **Rezaei N**, Ghasemi H: The effect of freezing period on the viability and cleavage of two-cell Embryos in mice. *Feyz, Journal of Kashan University of Medical Sciences*, December, 2014; Vol. 18, No 5, Pages 405-410.
- 21-M. Malekzadeh Shafaroudi, B. Mohammadnegad Gh. Usefi, **N. Rezaei** Study of relation between Neck Shaft Angle (NSA) and mineral density of the femoral head among old post-menopausal women in east part of mazandaran province. *Iran South Med J* 2016; 19(4): 586-597.
- 22-M. Behruzi, H. Ghasemi Hamidabadi, M. Gholipour Malekabadi, **N. Rezaei**, M. Nazm Bojnordi, M. Malekzadeh Shafaroudi. Using Hydroxyapatite-Gelatin Scaffold Seeded With Bone Marrow Stromal Cells as a Bone Graft in Animal Model. *Iran South Med J* 2016; 19(5): 773-786.
- 23-Fereshte Torabi, Majid Malekzadeh Shafaroudi, **Nourollah Rezaei**. Combined protective effect of zinc oxide nanoparticles and melatonin on cyclophosphamide-induced toxicity in testicular histology and sperm parameters in adult Wistar rats. *Int J Reprod BioMed* Vol. 15. No. 7. pp: 403-412, July 2017
- 24- Hatef Ghasemi Hamidabadi, Maryam Nazm Bojnordi, **Nourollah Rezaei**, and Sara Soleimani. Evaluation of Differential Gene Expression During Transdifferentiation of Bone Marrow Stromal Cells to Glial phenotype in the Presence of Cerebrospinal Fluid. *Avicenna J Med Biotech* 2019; 11(1):
- 25- Mitra Shokri, Reza Moradpour, Majid Malekzade Shafaroudi, **Nourollah Rezaei**, Shervin Ziabakhsh Tabary. Comparing the Effects of Krebs Plus Verapamil Solution on Endothelial Function of Harvested Human Greater Saphenous Vein with Heparinized Blood, an Invitro Study. *MED ARCH*. 2017 JUN; 71(3): 188-192
- 26- Majid Malekzadeh Shafaroudi, Mitra Shokri, Zohre Zare, Alireza Rafiei, Mohammad Ali Ebrahimzadeh, Reza Moradpour, **Nourollah Rezaei**: Protective effects of perserved solutions of krebs contains verapamil, adrenaline and propranololol Vs Krebs and Heparinatedblood on desquamation of the endothelial cell in Saphenous vein of *Guineapig*. *Journal of Gorgan University of Medical Sciences*, 20, spring 2018, vol. 1, no 365. Pp.36-43.

Papers presented at conferences

1-The survey of static anthropometry of lower limbs in students of Tehran University between 20 to 30 years. 1st Iranian Congress of Anatomy. Kerman University of Medical Sciences, Kerman, Iran, 30 April-3May 1992.

2-Teratogenic effects of Vitamin A on Neurolation in mouse embryo.3rd Iranian Congress of Anatomy.Shahid Beheshty University of Medical Sciences, Tehran, Iran, 1-3 March 1995.

3-Teratogenic effects of excess Vitamin A on the Limb formation in mouse embryo. 4th Iranian Congress of Anatomy. Iran University of Medical Sciences, Tehran, Iran, 1-3 Nov.1999.

4-The Survey of hypoxiemia complication rate in recovery (PACU).1st Iranian congress of critical care. Zahedan University of Medical Sciences, Zahedan, Iran. 7-9 February 2001.

5-Effects of vitamins during oocyte maturation on subsequent embryonic development in vitro.Canadian Fertility and Andrology Society. 48th annual meeting, Sep.25-28, 2002.

6-Skills the presentation of information and teaching to cancer patients.2nd Iranian congress of prevention of uninfectuous diseases. Tehran, Iran, 8-10march, 2003.

7-Effects of essential and non-essential amino acids on in-vitro maturation, fertilization and development of immature bovine oocytes. Proceedings of the annual conference of the international embryo transfer society, Auckland, New Zealand, 11-15 January 2003.

8-A study to determine the rate of knowledge and perception of nurses to evaluation and control of pain after operation. 4th scientific Annual meeting of the Iranian Pain Society. Imam Khomeini Hospital. Tehran, Iran.29 April-1May 2004.

9-Effects of glucose on bovine oocyte maturation, fertilization and early embryonic development in vitro. 6th Iranian Congress of Anatomy. Shiraz University of Medical Sciences, Shiraz, Iran, 3-5 Apr. 2004.

10- Survey of sperm penetration in in-vitro fertilization of immature, mature and aging bovine oocytes.7th Iranian Congress of Anatomy.Kashan University of Medical Sciences, Kashan, Iran, and 10-12 Jun.2006.

11- Najafdari S., **Rezaei N.**, malekzadeh shafaroodi M, Ghafari S., Golalipour MJ.:

Effect of Gestational Diabetes on ganglionic cells and thickness of inner retinal layer in Rat offspring. 11th Iranian Congress of Anatomy. Ahvaz University of Medical Sciences, Ahvaz, Iran, 19-21 Feb.2014

12- **Rezaei N.**, Malekzadeh shafarodi M.: Evaluation of horizontal basic medical sciences integration in Iran`s faculty of medicines during 2008-2012.

13- Ghasemi hamidabadi H., **Rezaei N.**, Setorg R., Abedian kenari S., Latifpour M., malekzadeh shafaroodi M.: Effect of 5-Azacytidin on induction of cardiogenic differentiation from P19 in vitro. 11th Iranian Congress of Anatomy. Ahvaz University of Medical Sciences, Ahvaz, Iran, 19-21 Feb.2014

14-Survey of all-trans retinoic acid on maturation, infertilization and early embryonic development on immature mouse oocytes in vitro. Tdayoni S., Malekzadeh shafarodi M., Ghasemi hamidabadi H., Esmailnejad moghadam A., **Rezaei N.** 11th Iranian Congress of Anatomy. Ahvaz University of Medical Sciences, Ahvaz, Iran, 19-21 Feb.2014

15-Effect of duration vitrification on survival two cell mouse embryos after thawing. Navazesh A., Esmailnejad moghadam A., Karimpour Malekshah A., **Rezaei N.**, Ghasemi hamidabadi H. 11th Iranian Congress of Anatomy. Ahvaz University of Medical Sciences, Ahvaz, Iran, 19-21 Feb.2014

Research In preparation

1-Effects of L-Carnitine on the sperm parameters disorders, spermatogenic cells apoptosis and testis histopathology in an experimental study in diabetic Rats.

2- Effects of L-Carnitine on the Gonadotropin and Testosterone Hormones level and Testis Tissue Oxidative Stress in Streptozotocin-Induced diabetic Rats

Fields of Interest

-Researches in the field of In Vitro Maturation of oocyte (IVM), preimplantation embryo development, embryo and oocyte freezing and thawing, sperm freezing and thawing, freezing, culture, and thawing of ovary (in human and bovine, rat, mouse,...), Sex determination of embryos in bovine and human by FISH and PCR techniques.

-Researches in the field of teratogenic effects of drugs on development in mouse, rat, and their mechanisms. (Teratology in embryology).

-Researches in the field of Cell culture and culture mediums, tissue engineering,

-Researches in the field of neuroscience

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