

CURRICULUM VITAE



Personal Information:

First Name: Reza

Surname: Nejatbakhsh

Date of Birth: 14/ April/ 1972

Profession:

- Assistant Professor, Dept of Anatomical Sciences, Zanzan University of Medical Sciences (ZUMS)
- Head of Anatomical Sciences Department, Zanzan University of Medical Sciences (ZUMS), From September 2014

Embryologist at IVF Clinic in MOUSAVI Hospital, Zanzan-Iran

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Academic Qualifications:

2010-2011

Fellowship period in reproductive biology, Embryo
Implantation lab, Prince Henry's Institute, Melbourne, Australia
(www.Princehenrys.org)

Supervisor: A/ Professor Eva Dimitriadis, Head of Embryo
Implantation lab

Project title: Role of L-selectin ligand in human implantation.

2007-2012

Ph.D in Anatomical Sciences minor in Reproductive Biology, Anatomical Sciences and cell biology Department, Reproductive biology and embryology lab, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (www.sbums.ac.ir)

Supervisors: Prof. Ahmad Hosseini, Prof. Yousef sadeghi.

Thesis title: Subcellular localization of L-selectin ligand on human endometrium.

1997-1999

M.Sc in Anatomical Sciences, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran (www.sbums.ac.ir)

1994-1996

B.Sc in Nursing sciences, School of Nursing, Tehran University of Medical Sciences, Tehran, Iran (www.tums.ac.ir)

1992-1994

Diploma in Anesthesia, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran (www.Kums.ac.ir)

Workshops:

- 18th European Testis Workshop, Copenhagen, Denmark, 13-19 May, 2014, Oral presentation.
- Scientific teaching methods workshop
- Scientific writing workshop (elementary & advance levels)
- Research methods workshop

Grants Funded:

- Evaluating the effect of herbal extracts (Fennel and Cumin) on the sperm quality and testis apoptosis in the Rat Model of Diet-Induced Obesity.
- The effect of hCG on the expression of L-selectin ligand at the co-culture between human endometrium epithelial cells and human trophoblast cells spheroid.

Scientific technical skills:

Clinical:

- Sperm preparation for IUI, IVF and ICSI
- Sperm function tests
- Sperm chromatin integrity assays
- Oocyte and embryo manipulation
- In Vitro Maturation (IVM)
- Oocyte denudation
- Sperm freezing
- Oocyte and embryo freezing
- Microinjection (ICSI)
- Embryo transfer (ET)
- Laser assisted hatching

Experimental:

- Reproductive tissue processing by Transmission Electron Microscope (TEM), Scanning Electron Microscopy (SEM) and Light Microscope (LM)
- Immunohistochemistry (IHC), Immunocytochemistry (ICC)
- Immunogold and Immunofluorescence
- Cell and tissue culture
- Gel electrophoresis and Western blotting
- Human, Rat and Mice sperm preparation
- Sperm quality assay by Computer Assisted Sperm Analysis (CASA) machine and LM
- Fixation and dissection of human and animal body

Teaching Activities:

- Human Anatomy for Medical students (Thorax, abdomen, pelvis, head, neck, limbs and neuroanatomy) in Zanzan University of Medical Sciences, Zanzan, Iran
- Human Anatomy for Dentistry students (Head and neck) in Zanzan University of Medical Sciences, Zanzan, Iran
- Lectures to paramedical students (General Anatomy) in Zanzan University of Medical Sciences, Zanzan, Iran

Postgraduate Honors Thesis Supervised or Co-supervised:

- Sanaz Ziaepour (**M.Sc student in Anatomical sciences**) The Effects of Insulin like 3 (Insl3) as prosurvival factors for human spermatozoa on the generation of the reactive oxygen species (ROS) and apoptosis of human sperm in the asthenospermia men after cryopreservation
- Sona Zargari (**M.Sc student in Reproductive physiology**) Comparison of Morphological and Biochemical Characteristics of Afshari and Afshari×Booroola Merino Cross Bred Ram Semen.
- Maryam Rouhi (**M.Sc student in Biochemistry**) Creation of cimeric bacterial lipase gene.
- Behnaz Hatef (**M.Sc student in Medical Genetics**) Evaluation of antiapoptotic and antioxidant effects of SDF-1 α on normal fertile men sperm after cryopreservation.
- Somayeh Heydari (**M.Sc student in Medical Genetics**). The expression of relaxin family peptide3 (Rxfp3) on human sperm and the study of the effect of RLN3 on the sperm quality.
- Imaneh Yeganeh (**Ph.D student in Anatomical Sciences**). The expression of relaxin family peptide4 (RXFP4) in human sperm and assay the effect of INSL5 on sperm quality.

Publications:

- Melatonin protects testes against lithium-pilocarpineinduced temporal lobe epilepsy in rats: a time course study. *Saeed Shokri**, *Mahsa Kazemi*, *Masoud hemadi*, *Ardeshtir Moaiery*, *Maia Arab-Firoozjaei*, *Mahin Gankhani*, **Reza Nejatbakhsh**; Andrologia. 2014

Mar 30.

- Expression of surface markers and myogenic potential of rat bone marrow- and adipose-derived stem cells: a comparative study.

Vahid Bayati, Mahmoud Hashemitabar, Roohollah Gazor, Reza Nejatbakhsh, Dariush Bijannejad; Anat Cell Biol 2013;46:113-121.

- Subcellular localization of L-selectin ligand in the endometrium implies a novel function for pinopodes in endometrial receptivity.

Reza Nejatbakhsh, Maryam Kabir-Salmani^{2}, Eva Dimitriadis, Ahmad Hosseini, Robabeh Taheripanah, Yousef Sadeghi, Yoshihiro Akimoto and Mitsutoshi Iwashita; Reproductive Biology and Endocrinology 2012, 10:46*

- Surveying ergonomic factors of backpack in tehranian primary school children.

*Somayeh Mohammadi, *Hamid Reza Mokhtarinia, Farhad Tabatabaee, Reza Nejatbakhsh. Razi Journal of Medical Sciences Vol. 19, No. 102, Nov-Dec 2012*

- Study of Piroxicam effect on liver tissue in Wistar rat embryo.

Tavassol A, Heidari MH, Sadoughi M, Nejatbakhsh R, Dadpey M, Bahrami M. Journal of Development Biology, Vol 2. No 7. Summer 2010. ISSN 2008-629X.

References:

Prof. Ahmad Hoseini: professor emeritus, Department of Cell biology and anatomical sciences, school of Medicine, Shahid Beheshti university of Medical Sciences and Health Services, Tehran-Iran.

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Prof. Yousef Sadeghi: Department of Cell biology and anatomical sciences, school of Medicine, Shahid Beheshti university of Medical Sciences and Health Services, Tehran-Iran.

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A/Prof. Eva Dimitriadis: NHMRC Senior Research Fellow, Head, Embryo Implantation Lab,

'focus on implantation, placentation and cancer'

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Melbourne, Australia.

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