Tabriz University of Medical Sciences (TUOMS)
School of Medicine

Curriculum Vitae

Personal Data:

First name: Behrooz

Last name: Niknafs

Nationality: Iranian

Date of birth: 1963/March/11

Place of birth: Khoy

Specialty: Anatomist & A.R.T. Specialist & clinical Embryology

Academic rank: Professor

Department/Research Center: Anatomical Sciences

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ORCID ID: https://orcid.org/0000-0003-4438-1880

Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=14121729700

ResearcherID: https://publons.com/researcher/2076268/behrooz-niknafs/

Fields of interest

Reproductive medicine ,stem cell in reproductive

Skills: (language, software...)

Human anatomy (Dissection), A.R.T. (Clinical Embryologist), English, Persian . ICSI, Cryoreservation ,Embryo biopsy

Educational Background:

Date	Degree	Institution	Country
۱۹۸۳	Physiotherapy (B.S.)	Iranian medical university	Iran
۱۹۸۷	Anatomy(M.S.)	Tarbiatt Modarres. U	Iran
1990	Anatomical Sciences(Ph.D.)	Tarbiatt Modarres U.	Iran
۱۹۹۵	Postdoctoral	Ottwa U.	Canada

Sabbaticals:

Start and End Date (month/year)	Details

Thesis

Degree	Title
M.S.	The diameter evaluation of Iranian heart in normal population
Ph.D.	Ultrastructure study of apoptotic cell in thymus

Clinical experiences

2002 – now	**Clinical embryologist (Human IVF unit ,Al-Zhara hospital /university hospital)**
2012- now	**Clinical embryologist (Private clinic)**

Educational experience

Teaching

Date (month/year)	**Course Name,** Venue (Institution, Address)
1997-now	**Anatomy, Neuroanatomy**
2017 - now	**A.R.T.(Artificial Reproductive Techniques)**
2018- now	**Molecular fertilization**
2017-now	**Tissue engineering**

Workshop(s)

Date (month/year)	**Course Name,** Venue (Institution, Address)
	MANY WORKSHOP

Lecture(s)

Date (month/year)	**Details**
25 years	**Anatomical Sciences**
5 years	**Reproductive biology**
4 years	**Tissue enegineering**

Research Activities:

Research areas, Interests

Reproductive system
Tissue Engineering

Books:

N	Title	authors	Publisher	**Authorship/** Translation/ ….

Selected articles:

N	Title	authors	Journal	Year	Indexed in (Scopus, Medline, WOS, ….)
	Follow *** ***RECENT PAPERS***				

Research projects:

N	Title	Details
	Injection of PRP human intraovary	

Positions held: (past- current)

Start and End Date	Job Title, Responsibilities and achievements
2001-2002	Head of anatomy unit

2005-2010	**Dean of Paramedical faculty**
2010-2011	**Vice chanceler of medical University (Tabriz)**
2018-2020	**Head of tissue engineering Dept.**
2020- now	**Head of Anatomical sciences**

Association Memberships (past and current)

Start and End Date	Job Title, Responsibilities and achievements
2008-now	Fertility and infertility

Awards and Recognitions

Start and End Date	Details

Recent papers

Ghanbari E, Mehdipour A, Khazaei M, Khoshfeterat AB, Niknafs B. A review of recent advances on osteogenic applications of Silk fibroin as a potential bio-scaffold in bone tissue engineering. International Journal of Polymeric Materials and Polymeric Biomaterials. 2022 Feb 2:1-6.

Esmaeilivand M, Abedelahi A, Hamdi K, Farzadi L, Goharitaban S, Fattahi A, Niknafs B. Role of miRNAs in preimplantation embryo development and their potential as embryo selection biomarkers. Reproduction, Fertility and Development. 2022 Apr 20.

Bahroudi Z, Zarnaghi MR, Izadpanah M, Abedelahi A, Niknafs B, Nasrabadi HT, Seghinsara AM. Review of ovarian tissue cryopreservation techniques for fertility preservation. Journal of Gynecology Obstetrics and Human Reproduction. 2021 Dec 11:102290.

Niknafs B, Shokrzadeh N, Alivand MR, Shariati MB. The effect of dexamethasone on uterine receptivity, mediated by the ERK1/2-mTOR pathway, and the implantation window: An experimental study. International Journal of Reproductive BioMedicine. 2022 Jan;20(1):47.

Sadeghi L, Navali N, Farzadi L, Ghasemzadeh A, Hamdi K, Hakimi P, Niknafs B. Intraovarian injection of autologous PRP improves therapeutic approaches in patients with poor ovarian response. International Journal of Fertility and Sterility. 2021 Dec 13(Articles in Press).

Del Bakhshayesh AR, Babaie S, Niknafs B, Abedelahi A, Mehdipour A, Ghahremani-Nasab M. High efficiency biomimetic electrospun fibers for use in regenerative medicine and drug delivery: A review. Materials Chemistry and Physics. 2022 Jan 28:125785.

Ghanbari E, Mehdipour A, Khazaei M, Khoshfeterat AB, Niknafs B. A review of recent advances on osteogenic applications of Silk fibroin as a potential bio-scaffold in bone tissue engineering. International Journal of Polymeric Materials and Polymeric Biomaterials. 2022 Feb 2:1-6.

Niknafs B, Hesam Shariati MB, Shokrzadeh N. miR223-3p, HAND2, and LIF expression regulated by calcitonin in the ERK1/2-mTOR pathway during the implantation window in the endometrium of mice. American Journal of Reproductive Immunology. 2021 Jan;85(1):e13333.

Mohammadi F, Ashrafi M, Zandieh Z, Najafi M, Niknafs B, Amjadi FS, Haghighi M. The effect of preincubation time and myo-inositol supplementation on the quality of mouse mii oocytes. Journal of Reproduction & Infertility. 2020 Oct;21(4):259.

Niknafs B, Farzadi L, Iyrisofla DG, Niknafs M. Correlation between the number of oocytes with cortisol and biochemical biomarkers of blood serum among women undergoing in vitro fertilization (IVF) treatment. Majallah-i pizishki-i Danishgah-i Ulum-i Pizishki va Khadamat-i Bihdashti-i Darmani-i Tabriz. 2020 Aug 1;42(3):334-9.

Shariati MB, Niknafs B, Seghinsara AM, Shokrzadeh N, Alivand MR. Administration of dexamethasone disrupts endometrial receptivity by alteration of expression of miRNA 223, 200a, LIF, Muc1, SGK1, and ENaC via the ERK1/2-mTOR pathway. Journal of cellular Physiology. 2019 Nov;234(11):19629-39.

Shokrzadeh N, Alivand MR, Abedelahi A, Hessam Shariati MB, Niknafs B. Calcitonin administration improves endometrial receptivity via regulation of LIF, Muc-1 and microRNA Let-7a in mice. Journal of cellular physiology. 2019 Aug;234(8):12989-3000.

Shokrzadeh N, Alivand MR, Abedelahi A, Hessam Shariati MB, Niknafs B. Upregulation of HB-EGF, Msx. 1, and miRNA Let-7a by administration of calcitonin through mTOR and ERK1/2 pathways during a window of implantation in mice. Molecular Reproduction and Development. 2018 Oct;85(10):790-801.

Hesam Shariati MB, Seghinsara AM, Shokrzadeh N, Niknafs B. The effect of fludrocortisone on the uterine receptivity partially mediated by ERK1/2-mTOR pathway. Journal of Cellular Physiology. 2019 Nov;234(11):20098-110.