

Curriculum Vitae



Personal information

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Desired employment: Reproductive biology

Education

DEGREE	FIELD	INSTITUTION	CITY	COUNTRY	DATE
PhD	Anatomical sciences	Tehran University of Medical Science	Tehran	Iran	2014-2018
M. SC	Anatomical sciences	Zahedan university of Medical Science	Zahedan	Iran	2010-2012
B. SC	Nursing	Kerman University of Medical Science	Kerman	Iran	2002-2008

PhD. Thesis

Evaluation of In vitro effects of osteocalcin and co culture with leydig cells on proliferation and differentiation factors of neonatal mouse spermatogonial stem cell to round spermatid like cells

M.Sc. Thesis

Association between TNF - α (-308 G \rightarrow A) Gene Polymorphism and stereological changes at periodontium in Chronic Periodontitis patients

Publication

- Elham Aliabadi, Mohammad Reza Namavar, Keywan Mortezaee, Heidar Toolee, Sara Keshtgar, Hossein Mirkhani, Mohammad Akbari, Tayebbeh Rastegar, **Somayeh Solhjoo**. Kisspeptin expression features in the arcuate and anteroventral periventricular nuclei of hypothalamus of letrozole-induced polycystic ovarian syndrome in rats. Archives of gynecology and obstetrics 296 (5), 957-963.

-Heidar Toolee, Tayebbeh Rastegar, **Somayeh Solhjoo**, Keywan Mortezaee, Mahshid Mohammadipour, Iraj Regerdi Kashani, et al. Roles for Kisspeptin in proliferation and differentiation of spermatogonial cells isolated from mice offspring when the cells are cocultured with somatic cells. Journal of cellular biochemistry 120 (4), 5042-5054.

-**Somayeh Solhjoo**, Mohammad Akbari, Heidar Toolee, Keywan Mortezaee, Mahshid Mohammadipour, Seyed Nouredin Nematollahi-Mahani, et al. Roles for osteocalcin in

proliferation and differentiation of spermatogonial cells cocultured with somatic cells. Journal of cellular biochemistry 120 (4), 4924-4934.

- Akanji Omotosho Dhulgarnain, Nasrin Takzaree, Gholamreza Hassanzadeh, **Somayeh Solhjoo**, Heidar Tooli, Mahsa Yaaghoobi Nejad, et al. Osteocacin favours the expression of synaptonemal complex protein 3 in azoospermic mouse model. Journal of Contemporary Medical Sciences 5 (1), 28-34.

- Tayebbeh Rastegar, Pedram Shafaat, Seyed Mohammad Hosein Noori Mougahi, Soraya Parvari, **Somayeh Solhjoo**, Heidar Tooli, et al. Osteocalcin Improved Spermatogenesis in Azoospermic Mouse Model. Open Science Journal 3 (1).

- Mahdieh Hajian Monfared, Mohammad Akbari, **Somayeh Solhjoo**, Heidar Tooli, Ameneh Omid, Freshteh Aliakbari, et al. Inductive role of sustentacular cells (Sertoli cells) conditioned medium on bone marrow derived mesenchymal stem cells. International Journal of Morphology 35 (4), 1597-1606.

- Masoud Najafi, Nasser Hashemi Goradel, Bagher Farhood, Eniseh Salehi, **Somaye Solhjoo**, Heidar Toolee, et al. Tumor microenvironment: Interactions and therapy. Journal of cellular physiology 234 (5), 5700-5721.

- Amir Reza Rokn, Akram Labibzadeh, Amir Alireza Rasouli Ghohroudi, Ahmad Reza Shamshiri, **Somaye Solhjoo**. Histomorphometric analysis of bone density in relation to tactile sense of the surgeon during dental implant placement. The open dentistry journal 12, 46.

- **Somaieh Solhjoo**, SAGHEB HAMIDREZA MAHMOUDZADEH, Zahra Heidari, Mohammad Hashemi, LADEZ MOHAMMADAYUB RIGI. Association between TNF- α (-308 G \rightarrow A) gene polymorphism and chronic periodontitis. ZAHEDAN JOURNAL OF RESEARCH IN MEDICAL SCIENCES (TABIB-E-SHARGH) 16 (2), 10-14.

Congress:

- Association between TNF- α (-308 G \rightarrow A) gene polymorphism and chronic periodontitis (10th International Congress of Anatomical Sciences Rasht Iran May 2011/ Speaker)
- 12th International Congress of Anatomical Sciences Tehran Iran May 2013/ Participant

- Roles for osteocalcin in proliferation and differentiation of spermatogonial cells cocultured with somatic cells (13th International Congress of Anatomical Sciences Hamedan Iran October 2018/ Speaker)
- Inductive role of sustentacular cells (Sertoli cells) conditioned medium on bone marrow derived mesenchymal stem cells (4th International Congress of Blood Transfusion Medicine and Stem Cell / Speaker)
- 15th International Congress of Stem Cells at the Royan Research Institute Tehran Iran September 2019/ Participant
- Cell press author seminar at the Tehran University of Medical Science / Participant

Experience

- Work as a Lab technician (Histology and Histo technique lab) for two years at the Anatomical Department in Kerman University of Medical Sciences, Kerman Iran.
- Work as super specific nurse in open heart surgery ICU for 7 years at the Cardiac subspecialty hospital in Kerman University of Medical Sciences, Kerman Iran.

Technical Skill

- Cadaver Dissection
- ARMS PCR Technique
- Real Time PCR Technique
- Design Primer
- Western Blotting Technique
- IHC Technique
- ICC Technique
- ELIZA Technique
- MTT Assay Technique
- Flow Cytometry Technique
- Cell Culture Technique
- Steriology & Morphometry Technique

Research Interests

- In vitro differentiation of Spermatogonial Stem Cells (SSC)
- Manipulation of SSC
- Tissue engineering in reproductive medicine
- Cell therapy in male and female infertility

Last update: November, 2020