

CURRICULUM VITAE



Dr. Mahboubeh Vatanparast

Female. Born: **01/02/1362**, Place Married , two child, Work at; Rafsanjan university of medical sciences

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ACADEMIC PROFILE

- **Academic Position, academic Degree:**
- PhD in Reproductive biology
- Research Faculty Member at Rafsanjan University of Medical Sciences (since 2020)
- **Occupation;**
- **Embryologist at Hospital infertility center**, Ali ibn Abi Talib Hospital, Ayatollah Saeedi Square, Taleghani Boulevard, Rafsanjan, Kerman, Iran. phone number. 03434280000.
- **Research Center:** Assistance professor at Molecular Medicine Research Center
- **ORCID:** 0000-0002-1133-5004
- **Google Scholar Profile:**

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reproductive biology

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TITLE

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YEAR

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The relationship between self-care and self-efficacy with empowerment in patients undergoing hemodialysis
Z Royani, M Rayyani, M Vatanparast, M Mahdaviifar, J Goleij
Military Caring Sciences 1 (2), 116-122

59

2014

☐

Vitamin C attenuates negative effects of vitrification on sperm parameters, chromatin quality, apoptosis and acrosome reaction in neat and prepared normozoospermic samples

51

2018

- **PubMed Articles:** <https://www.ncbi.nlm.nih.gov/pubmed?term=.....>
- **ISI Articles:** Web of Sciences

EDUCATIONS

- **High school diploma**, 30/3/1380: Empirical, Iran
- **Bachelor of nursing**, 30/5/1384. Rafsanjan university of medical sciences
- **MSc of nursing, medical-surgical**, Kerman university of medical sciences
- **PhD of reproductive medicine**, 1/1/2019: Shahid Sadoughi University of Medical Sciences, Iran

Lecture

- 1- **“Neglected ring in IVF cycle”**, in Research and Clinical Center for Infertility, Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2016
- 2- **“Preimplantation Genetic Diagnosis”**, in Research and Clinical Center for Infertility, Shahid Sadoughi University of Medical Sciences, Yazd, Iran, 2014
- 3- Key lecture at the 10th Yazd International Congress and Student Award on Reproductive Medicine. The subject was entitled **"Ovarian tissue cryopreservation guidelines"**.
- 4- Key lecture at the 11th Yazd International Congress and Student Award on Reproductive Medicine. The subject was entitled **“More than survival; Trends in fertility preservation, legal implications, and ethical issues”**.

SKILLS

- **Computer Sciences:** word, excel, PowerPoint, spss, publisher
- **Research Knowledges:** fertility preservation, oncofertility
- **Laboratory Techniques:** ART (assisted reproductive technique)

PROFESSIONAL MEMBERSHIPS

2005-Present: Member of Association of Embryology and Reproduction

CLINICAL EXPERIENCES

1. 2013-Present: Research and Clinical Center for Infertility, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

2. MANAGEMENT EXPERIENCES

- 2013-2014: supervisor in Nik Nafs center in Rafsanjan university of medical sciences

- 2019 until now, embryologist in infertility center in Ali-Ebne-Abitaleb hospital in Rafsanjan university of medical sciences.

1. WORKSHOPS AND TRAINING COURSES

1-Instructor in the Workshop; human ovarian sheep vitrification and Chorioallantoic membrane transplantation.

In Yazd Reproductive sciences Institute, 2016

2-Instructor in Workshop; transplantation in Ex-OVO model for human ovary.

In Yazd Reproductive sciences Institute, 2017.

HONORS AND AWARDS

-First place PhD student thesis dissertation award in 3rd cryobiology and biobanking symposium. 2019

-First place PhD student thesis dissertation award in 2nd Pro.Hesabi Thesis.Festival, 2019

-Top researcher certificate in 2nd Pro.Hesabi Thesis.Festival, 2019

3-Top student certificate in 2nd Pro.Hesabi Thesis.Festival, 2019

4-second award in The 8th International Congress and Student Festival of Reproductive Medicine” in 2019

MEETINGS AND CONGRESSES

5-Poster presentation in “The 3rd International congress on Reproduction” in 2017

6-Poster presentation in “The 4th International congress on Reproduction” in 2018

7-Oral presentation in “The 4th International congress on Reproduction” in 2018

8-Oral presentation in “3rd symposium on cryobiology and biobanking” in 2019

9-Poster presentation in “The 8th International Congress and Student Festival of Reproductive Medicine” in 2019

10- Poster presentation in “The 8th International Congress and Student Festival of Reproductive Medicine” in 2019

11- Oral presentation in “The 8th International Congress and Student Festival of Reproductive Medicine” in 2019

- 12-** Poster presentation in “**11th YAZD International Congress and Student Award on Reproductive Medicine With 6th Congress of Reproductive Genetics** “. The effect of consecutive ejaculation on the sperm parameters in the oligo-astheno-teratozoospermia men, 2025.
- 13-** Poster presentation in “**11th YAZD International Congress and Student Award on Reproductive Medicine With 6th Congress of Reproductive Genetics** “. Chemical pregnancy in fresh and cryopreserved cycles, using day-3 (cleavage stage), and day-4 embryos (morula stage), 2025.
- 14-** Poster presentation in “**11th YAZD International Congress and Student Award on Reproductive Medicine With 6th Congress of Reproductive Genetics** “. the Effect of Testicular Cell Conditioned Medium on the Ovarian Follicular Growth and Maturation, in a Two-Stage Culture System, in Cancer Patients. 2025.

RESEARCH ACTIVITIES

- 1- **Evaluation of sheep ovarian tissue cryopreservation with slow freezing or vitrification after chick embryo chorioallantoic membrane transplantation**, Cryobiology, 2017, impact 2.05
- 2- **GDF9- β promotes folliculogenesis in sheep ovarian transplantation onto the chick embryo chorioallantoic membrane (CAM) in cryopreservation programs**, Arch Gynecol Obstet, 2018, impact 2.23.
- 3- **Vitamin C attenuates negative effects of vitrification on sperm parameters, chromatin quality, apoptosis and acrosome reaction in neat and prepared normozoospermic samples**, Taiwan J Obstet Gynecol.
- 4- **Vitrification had detrimental effects on maturation, viability, and subcellular quality of oocytes post IVM in cancer patients**, International Journal of Reproductive BioMedicine.
- 5- **Virtual Education effect on cognitive learning and attitude of nursing students towards it**, Iranian journal of nursing and midwifery research
- 6- **The Effect of Training in Virtual Environment on Nursing Students Attitudes toward Virtual Learning and its Relationship with learning Style**, Iranian Journal of Medical Education.
- 7- **The relationship between self-care and self-efficacy with empowerment in patients undergoing hemodialysis**, Military Caring Sciences Journal
- 8- **Predictors of Quality of Life in Infertile Couples**, Journal of menopausal medicine
- 9- **THE SURVEY OF KERMAN NURSING STUDENTS ATTITUDES TOWARD VIRTUAL LEARNING IN 2009**, JOURNAL OF NURSING EDUCATION (JNE)
- 10- **The effect of vitamin C on human vitrified sperm parameters in normozoospermic men: raw semen and washed semen**. Iranian Journal of Reproductive Medicine
- 11- **Nursing Students' Attitudes toward Virtual Learning and its Relationship with Learning Style** , Strides in Development of Medical Education

- 12- **Effective Dosage of GDF9 β in Folliculogenesis and Angiogenesis in the Sheep Ovarian Tissues Grafted onto Chick embryo Chorioallantoic Membrane.** “in the journal of the journal of obstetrics and gynaecology research
- 13- **Ovarian tissue reservation and risk of re-implantation in a girl with Acute Lymphocytic Leukemia after six month of chemotherapy: A Case Report.** South Asian J Cancer
- 14- **Resilience as the predictor of quality of life in the infertile couple as the most neglected and silent minorities.** Health and Quality of Life Outcomes Journal.
- 15- **The effect of testosterone and antioxidants nanoliposomes on gene expressions and sperm parameters in asthenospermic individuals,** Drug Development and Industrial Pharmacy.
- 16- **Evaluation of the effect of human testicular cell conditioned media on the in vitro development of follicles from cryopreserved human ovarian cortical pieces. A potential approach for fertility preservation for cancer patients,** Cryobiology
- 17- **Therapeutic effects of stevia aqueous extract alone or in combination with metformin in induced polycystic ovary syndrome rats: Gene expression, hormonal balance, and metabolomics aspects,** Annales Pharmaceutiques Françaises
- 18- **Chemical pregnancy in fresh and cryopreserved cycles, using day 3 (cleavage stage) and day 4 embryos (morula stage),** Zygote
- 19- **The effect of consecutive ejaculation on the sperm parameters in the oligo-asthenoteratozoospermia (OAT) men,** Zygote
- 20- **Investigation of the Effect of Prunus amygdalus amara on the Expression of some Genes of Apoptosis and Immortality in Breast Cancer Cells (MCF-7),** Current Drug Abuse Reviews
- 21- **Exploring the Zein/58S Bioactive Glass Nanocomposite for Enhanced Bone Tissue Engineering: A Comprehensive Investigation of Structural, Chemical, Biological, and Osteogenic Properties through in Vitro and in Vivo Studies,** Journal of Polymers and the Environment
- 22- **The report of ovarian tissue transplant in Iran: A case report,** Int J Reprod BioMed
- 23- **The Relationship of Demographic and Socio-economic Factors with Fertility Attitudes in the Married Couples,** journal of Midwifery & Reproductive Health.
- 24- **Comparison between open and closed systems for vitrification of individual sperm: assessing morphometric measurements and chromatin integrity,** Middle East Fertility Society Journal
- 25- **The effects of vitamin E supplementation on sperm parameters, chromatin integrity, and gene expression before and after freezing in aged mice,** Clinical and Experimental Reproductive Medicine.
- 26- **Reinke’s Edema and Risk Factors, A Case-Control Study,** Indian Journal of Otolaryngology and Head & Neck.

- 27- **Bone tissue regeneration by 58S bioactive glass scaffolds containing exosome: An in vivo study**, Cell and Tissue Banking
- 28- **Therapeutic potential of testosterone on sperm parameters and chromatin status in fresh and thawed normo and asthenozoospermic samples**, Revista Internacional de Andrologia
- 29- **Ischemia and vasculogenesis after transplantation of frozen and vitrified human ovarian tissue onto chick embryo chorioallantoic membrane (CAM)**, European Journal of Obstetrics & Gynecology and Reproductive Biology
- 30- **Ultrastructure of human ovarian tissues and risk of cancer cells re-implantation after transplantation to chick embryo chorioallantois membrane (CAM) following vitrification or slow freezing**, Cryobiology
- 31- **Prevalence of early and late menopause and its determinants in Rafsanjan cohort study**, Scientific Reports
- 32- **The effect of pentoxifylline and calcium ionophore treatment on sperm cell biology in oligoasthenoteratozoospermia samples**, Zygote
- 33- **Comparing the IVM laboratory outcomes between stimulated IVF with unstimulated natural cycles**, Zygote
- 34- **High efficiency of homemade culture medium supplemented with GDF9- β in human oocytes for rescue in vitro maturation**, Clinical and Experimental Reproductive Medicine
- 35- **Proliferating cell nuclear antigen presentation, as a marker of folliculogenesis, in the transplanted ovarian tissue**, Journal of Obstetrics and Gynaecology Research
- 36- **Effective dosage of growth differentiation factor-9 β in folliculogenesis and angiogenesis in the sheep ovarian tissues grafted onto chick embryo chorioallantoic membrane**, Journal of Obstetrics and Gynaecology Research
- 37- **Comparing the quality of life of infertile couples**, Journal of Research Development in Nursing and Midwifery
- 38- **Immunohistological Localization of MDM2, MCM2, Fascin, PCNA, EGFR in Paraffin Section; in the Normal and Cancerous Human Ovary**, Cancer Treatment and Research Communications.
- 39- **Surface modification of electrospun polycaprolactone and zein using cold atmospheric plasma for tissue engineering applications**, Scientific Reports
- 40- **Comparison of the Frequency of Behavioral Problems and Arterial Blood Oxygen Saturation Level in Patients with Adenotonsillar Hypertrophy before and after Adenotonsillectomy**; Indian Journal of Otolaryngology and Head & Neck Surgery

41- **The effect of aqueous Stevia rebaudiana extract and clomiphene citrate on the expression of GDF9, PTEN, BMP15 genes, and antioxidant levels in a letrozole-induced polycystic ovary syndrome model in Wistar rats;** journal of ovarian research

42- **Relationship Between Personality Patterns and General Health of Rhinoplasty Applicants with Satisfaction After Rhinoplasty;** Journal of Otolaryngology and Head & Neck Surgery

Books

1-Cryopreservation - Applications and Challenges; Chapter 4 (Intech open publisher)

2-Fertility preservation in women with cancer; (Rafsanjani university of medical sciences publisher)

Research Projects:

Research plan:

1. Introduction of a two-stage culture system for follicular maturation in ovarian tissue of cancer patients and evaluation of the effect of testicular conditioned medium on follicle growth and maturation.
2. Comparison of gene expression profile between natural conception and in vitro fertilization (IVF)-derived mice embryos
3. Comparison of gene expression profile between fresh and frozen–thawed mouse embryo, following natural conception- and in vitro fertilization (IVF)
4. Evaluation of the effect of exosomes containing the Mitoquinone on the quality of frozen-thawed human sperm using the cryotech method in men with severe oligospermia.
- 5- Investigation of the effects of in utero exposure to Wireless Fidelity (Wi-Fi), on Y chromosome microdeletions in the Syrian male mice.