

Personal Details

First name: Fatemeh

Surname: Anbari Meybodi

Nationality: Iran **Language:** Persian

Marital status: Married

Title: Ph.D

Gender: Female

Work address: BouAli Ave. Safaiye, Research and Clinical Center for infertility, Yazd. Iran Tel: 0098 (351) 8247085-6

Mobile: 09383140639

E-mail: Anbari.fatemeh@gmail.com



Education and Qualifications:

2016- 2020 (Ph.D) Reproductive Biology, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.

2009-2012 (M.S.) Cell and Developmental Biology, Ferdowsi university, Mashhad, Iran.

2003-2007 (B.S.) Biology, Kharazmi (Tarbiaat Moalem Tehran) university, Karaj, Iran

2011-2012 MSC thesis "Evaluation of Mesenchymal Stem Cells (MSCs) capacity in regeneration and recovery of traumatic brain injury in wistar rat based on histological and immunohistochemical techniques" in Yazd Reproductive Sciences Institute, Yazd, Iran.

2018-2020 PhD thesis "Comparison of short and long inseminations with assessment of embryo morphokinetics, ROS level sperm DNA fragmentation and clinical outcomes in IVF program" in Yazd Reproductive Sciences Institute, Yazd, Iran.

Employment / Professional Experience:

2011-2015, ART-Research technician & research assistant of ART lab in Yazd Reproductive Sciences Institute, Yazd, Iran.

2021 until now: Assistant of ART lab, Executive director of cryopreservation fertility lab in Yazd Reproductive Sciences Institute, Yazd, Iran.

Skills

- Experimental: Cell Culturing & passage, cell freeze and thawing, Immunohistochemistry test, embryo/oocyte staining.
- Clinical: Semen Analysis, Sperm Function Tests, Sperm Chromatin Integrity Assays, IUI, IVF, IVM, ICSI, IMSI, AZH, MSOME, Embryo Biopsy, Microinjection Pipette Preparation, Culture Media Preparation, ART Lab Quality Control, Cryopreservation, Oocyte & Embryo Manipulations, Apoptosis.

Publications:

- Sabour M, Agha-Rahimi A, Dehghani Ashkezari M, Seifati SM, **Anbari F**, Nabi A. Prolonged exposure of human spermatozoa in polyvinylpyrrolidone has detrimental effects on sperm biological characteristics. *Andrologia*. 2022.
- Safari H, **Anbari F**, Ghasemi-Esmailabad S, Maleki B, Dehghan Marvast L, Talebi AR. Relationship between sperm quality and total fertilization failure in intracytoplasmic sperm injection and in vitro fertilization cycles: A cross-sectional study. 2022, *International Journal of Reproductive BioMedicine*. 413-422.

- Mohsenzadeh M, Khalili MA, **Anbari F**, Vatanparast M. High efficiency of homemade culture medium supplemented with GDF9- β in human oocytes for rescue in vitro maturation. Korean Journal of Fertility and Sterility. 2022.
- Mahaldashtian M, Khalili MA, **Anbari F**, Seify M, Belli M. Challenges on the effect of cell phone radiation on mammalian embryos and fetuses: a review of the literature. 2022, Zygote, 1-7.
- Nabi, A. Khalili, M.B. Eslami G, Vakili M, **Anbari F**, Torki A. The comparison of Difference O-antigen Serogroups of Escherichia coli on Semen Samples of Fertile and Infertile Men. Clinical Exp Reprod Med. 2022.
- Nabi A, Entezari F, Miresmaeili SM, Vahidi S, Lorian K, **Anbari F**, Motamedzadeh L. Evaluation of Sperm Parameters and DNA Integrity Following Different Incubation Times in PVP Medium. Urology Journal, 2021, 6936-6936.
- Mohammadzadeh M, **Anbari F**, Aghaei Sh, Farashahi Yazd H, Akhavan sales, J. Rajabie M, khalili MA. Does combination of estradiol and sesame oil improve oocyte quality, embryo development and expressions of Zp3, E-cad, and Ctnnb1 genes in young and old mice? An experimental study. 2021. IJRM.
- **Anbari F**, Khalili MA, Sultan Ahamed AM, Mangoli E, Nabi A, Dehghanpour F, Sabour M. Microfluidic sperm selection yields higher sperm quality compared to conventional method in ICSI program: A pilot study. Syst Biol Reprod Med. 2021 Jan 15;1-7.
- **Anbari F**, Khalili MA, Agha-Rahimi A, Maleki B, Nabi A, Esfandiari N. Does sperm DNA fragmentation have negative impact on embryo morphology and morphokinetics in IVF programme? Andrologia. 2020 Dec;52(11):e13798.

- Mohammadzadeh M, Mazaheri F, **Anbari F**, Khalili MA, The Impacts of Estrogen and Sesame Oil on the Hippocampal Histomorphologic Changes in Mice. 2020. The Neuroscience Journal of Shefaye Khatam 8 (3), 29-38
- Chatroudi MH, Khalili MA, Ashourzadeh S, **Anbari F**, Shahedi A, Safari S. Growth differentiation factor 9 and cumulus cell supplementation in in vitro maturation culture media enhances the viability of human blastocysts. Clin Exp Reprod Med. 2019 Dec;46(4):166-172.
- Omidi M, Khalili MA, Agha- Rahimi A, Nottola S, **Anbari F**, Faramarzi A, Palmerini MG. Efficacy of the in vitro splitting of human preimplantation embryos from ART programs. Turk J Med Sci. 2019 Mar 14;19(2).
- Taghizabet N, Khalili MA, **Anbari F**, Agha-Rahimi A, Nottola SA, Macchiarelli G, Palmerini MG. Human cumulus cell sensitivity to vitrification, an ultrastructural study. Zygote. 2018 Jun;26(3):224-231.
- Taherzadeh S, Khalili MA, Agha-Rahimi A, **Anbari F**, Ghazali S1, Macchiarelli G. Vitrification Increased Vacuolization of Human Spermatozoa: Application of MSOME Technology. J Reprod Infertil. 2017 Apr-Jun;18 (2):225-230
- **Anbari F**, Halvaei I, Nabi A, Ghazali S, Khalili MA, Johansson L. The quality of sperm preparation medium affects the motility, viability, and DNA integrity of human spermatozoa. J Hum Reprod Sci. 2016 Oct-Dec;9(4):254-258.
- Fesahat F, Faramarzi A, Khoradmehr A, Omidi M, **Anbari F**, Khalili MA. Vitrification of mouse MII oocytes: Developmental competency using paclitaxel. Taiwan J Obstet Gynecol. 2016 Dec;55(6):796-800.

- Taghizabet N, Mangoli E, *Anbari F*, Masoodi SA, Talebi AR, Mazrooei M The effect of heracleum persicum (Golpar) oil and alcoholic extracts on sperm parameters and chromatin quality in mice. Int J Reprod Biomed (Yazd). 2016 Jun;14(6):365-70.
- Safian F, Khalili MA, Khoradmehr A, *Anbari F*, Soltani S, Halvaei I. Survival Assessment of Mouse Preimplantation Embryos After Exposure to Cell Phone Radiation. J Reprod Infertil. 2016 Jul-Sep;17(3):138-43.
- Hadi Zare-Zardini, Farzaneh Fesahat, *Fatemeh Anbari*, Iman Halvaei, Leila Ebrahimi Assessment of spermicidal activity of the antimicrobial peptide sarcotoxin Pd: A potent contraceptive agent. The European Journal of Contraception & Reproductive Health Care. **2016**;21(1):15-21.
- *Anbari F*, Khalili MA, Bahrami AR, Khoradmehr A, Sadeghian F, Fesahat F, Nabi A. Intravenous transplantation of bone marrow mesenchymal stem cells promotes neural regeneration after traumatic brain injury, NEURAL REGENERATION RESEARCH, 2014, 9(9): 919-923.
- Nabi A, Khalili MA, Halvaei I, *Anbari F*, Apoptosis Will be Increased after 2h Incubation of Human Sperm at 37°C, Journal of Cell & Tissue, 2014; 4(4): 415- 423. (Persian)
- *Anbari F*, Khalili MA, Nabi A. Comparison of 70% alcohol, Deconex, H2O2 and UV Light for disinfection of surfaces and equipment's infertility Research laboratory of Yazd. (Persian)

Paper Presented in Conferences:

- May 2021 *Anbari, F.*, Khalili, M. A., Agha-Rahimi, A., Maleki, B., Nabi, A. Esfandiari, N. 'Does sperm DNA fragmentation have negative impact on embryo morphology and morphokinetics in IVF programme?' oral

- May 2021 Sabour M, Agha-Rahimi A, Dehghani Ashkezari M, Seifati SM, Kalantar SM, **Anbari F**, Nabi A. 'Evaluation the effect of human sperm incubation time in polyvinylpyrrolidone on sperm structure reactive oxygen species, acrosome reaction, and mitochondrial membrane potential'. oral.
- May 2021 **Anbari, F.**, Khalili, M. A., Sultan Ahamed, A, M., Mangoli, E., Nabi A., Dehghanpour, F., Sabour M. 'Microfluidic sperm selection improved the sperm quality and ICSI clinical outcome s: A pilot study'. e-poster.
- May 2021 Nabi A, Entezari F, Miresmaeili SM, Lorian K, **Anbari F**, Motamedzadeh L. 'Evaluation of sperm parameters and DNA integrity following different incubation times in PVP media'. e-poster
- April 2021 Nabi A, Torki A, **Anbari F**. The Effect of Different O-antigen Serogroups of Escherichia coli on Infertility in Semen Samples of Fertile and Infertile Men. e-poster
- April 2017 Fesahat F, Faramarzi A, khoradmehr A, omidi M, **Anbari F**, Khalili MA. 'vitrification of mouse MII oocytes; development competency using paclitaxel. Accepted as **ORAL** presentation to The 7th International congress and student award in reproductive medicine with 2nd congress of reproductive Genetics.
- April 2015 Ghazali Sh, Talebi AR, Khalili MA, Aflatoonian A, **Anbari F**, Halvaei I, Nabi A. Efficacy of motile sperm organelle morphology examination (MSOME) and sperm head vacuoles evaluation in conventional IVF versus ICSI cycles. Accepted as **ORAL** to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.
- April 2015 **Anbari F**, Halvaei I, Nabi A, Ghazali Sh, Khalili MA, Johansson L. The effects of sperm preparation media on motility, viability and DNA integrity of human spermatozoa. Accepted as

POSTER to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.

- April 2015 Fesahat F, Khalili MA, Khoradmehr A, *Anbari F*, Bazrgar M, Taheri F. The effect of microtubule stabilizer pretreatment in IVM program. Accepted as **POSTER** to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.
- Nabi A, Khalili MA, Torki AR, Fesahat F, *Anbari F*. Assessment of aerobic bacterial and fungal contaminations in liquid nitrogen tanks. Accepted as **POSTER** to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.
- April 2015 Taghizabet N, Mangoli E, *Anbari F*, Talebi AR, Masoodi A. Effect of Heracleum persicumm oil and alcoholic extracts on sperm parameters and chromatin quality in mice. Accepted as **POSTER** to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.
- April 2015 Taherzadeh S, Khalili MA, Anvari M, Ghazali Sh, Agha-Rahimi A, *Anbari F*, Ghasemi-Esmailabad S. Effect of vitrification on high magnification morphology, chromatin condensation, and fertility potential of human spermatozoa. Accepted as **POSTER** to the 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress.
- April 2013 *Anbari F*, Khalili MA, Bahrami AR. Intravenous administration of mesenchymal stem cells improve functional recovery after traumatic brain injury in rats. Accepted as **POSTER** to the 5th Yazd International Congress and Student Award in Reproductive Medicine

- June 2014 Nabi A, Khalili MA, Halvaei I, *Anbari F*. “Is there any difference between commercial and home-made culture media on human sperm parameters after sperm preparation” accepted as **ORAL** presentation to The 20th National Congress on Infertility and Reproduction. Isfahan, Iran.
- 11-13 June 2014 *Anbari F*, Khalili MA. Nabi A. “comparisons of the outcomes between two commercial embryo culture media: HTF vs. G1” accepted as **POSTER** presentation to The 20th National Congress on Infertility and Reproduction. Isfahan, Iran.
- 11-13 June 2014 Taghizabet N, Talebi AR, *Anbari F*, Mangoli E, Masoodi A. “Effect of oil and ethanol extract of heracleum persicum on fertility in male mice” accepted as **POSTER** presentation to The 20th National Congress on Infertility and Reproduction. Isfahan, Iran.
- 11-13 June 2014 Fesahat F, Zare-Zardini H, *Anbari F*, Ebrahimi L. “Evaluating the spermicidal activity of a new antimicrobial peptide from the Insect Paederus dermatitis, Sarcotoxin Pd” accepted as **POSTER** presentation to The 20th National Congress on Infertility and Reproduction. Isfahan, Iran.
- 3-5 October 2012 *Anbari F*. Khalili MA. Bahrami AR. Khoradmehr A. "migration of intravenous transplantation of mesenchymal stem cells to splenic tissue following traumatic brain injury in rats" accepted as **POSTER** presentation to The 19th annual scientific meeting of the Middle East Fertility Society, Dubai.
- 5-7 September 2012 *Anbari F*. Khalili MA. Bahrami AR. Mahdavi shahri N. Aflatoonian B. Khoradmehr A. Sadeghian F. Fesahat F. " Intravenous administration of mesenchymal stem cells improve functional recovery after traumatic brain injury in rats" accepted as **POSTER** presentation to The 8th Royan International Congress on stem cell biology & technology, Tehran, Iran.

- 4-6 September 2012 Shokoh Rajabi, Nasrin Ghasemi, Fatemeh Keshavarzi, seed mostafa shiryazdi, *Fatemeh Anbari*, Saeed Ghasemi, Ahdie Mehdipour. " TP53 codon 72 polymorphism and breast cancer in yazdi women" accepted as **POSTER** presentation to The 17th National & International Iranian Biology Conference, Shahid Bahonar university, Kerman.
- 9-11 May2012 *Anbari F.* Khalili MA. Bahrami . Khoradmehr A. Sadeghian F. Fesahat F. "Evaluation of Mesenchymal Stem Cells (MSCs) capacity in regeneration and recovery of traumatic brain injury in wistar rat" accepted as **ORAL** presentation to National Conference Biotechnology, Biochemistry and Bioengineering, Payame Nour, Taft, Yazd.

Book:

Quality control in the ART laboratory. Edited by: **Fateme Anbari**, Ali Nabi. Advisor by Mohammad Ali Khalili

Award:

- First Top Poster Presenter in 5th Yazd International Congress and Student Award in Reproductive Medicine.
- Oral Presenter in 9th Yazd International Congress and Student Award in Reproductive Medicine

Professional Training:

- 12 May, 2016 Advanced primer design workshop, Clinical and research center for infertility, shahid sadoghi medicine university, Yazd, Iran.

- 28 April, 2016 Embryo selection using non-invasive methods workshop, Clinical and research center for infertility, shahid sadoghi medicine university, Yazd, Iran.
- 26 November, 2015 SPSS workshop, Clinical and research center for infertility, shahid sadoghi medicine university, Yazd, Iran.
- 18-19 April 2013 Fluorescent in situ hybridization (FISH) workshop, Clinical and research center for infertility, shahid sadoghi medicine university, Yazd, Iran.
- 29 October 2013 Cryopreservation of ovarian tissue workshop, Yazd Reproductive Sciences Institute, Yazd, Iran.
- 23 February 2013 Isolation, culture and freeze of mesenchymal stem cells from bone marrow workshop, Yazd Reproductive Sciences Institute, Yazd, Iran.
- 14-19 July 2012 The 3rd Royan International Summer School: Stem Cells and Developmental Biology for Regenerative Medicine, Tehtan, Iran.
- 6-7 December 2012 Quality control in ART lab workshop, Yazd Reproductive Sciences Institute, Yazd, Iran.

Member of the Executive Committee:

- The 9th Yazd International Congress and Student Award in Reproductive Medicine with 4st Reproductive Genetic Congress. May, 2021
- The 8th Yazd International Congress and Student Award in Reproductive Medicine with 3st Reproductive Genetic Congress. May, 2019

- The 7th Yazd International Congress and Student Award in Reproductive Medicine with 2st Reproductive Genetic Congress. May, 2017
- The 6th Yazd International Congress and Student Award in Reproductive Medicine with 1st Reproductive Genetic Congress. April, 2015
- 5th Yazd International Congress and Student Award in Reproductive Medicine, April 2013
- 7th annual conference of Iran Neurogenetic Society, February 2014
- Fertility Preservation conference, June 2013
- National Symposium of Reproductive Biology October, 2012