

CURRICULUM VITAE

Personal Information:

- Name and surname: Fatemehsadat Amjadi
- Date of Birth: 21.9.1981
- Address:
Department of Anatomy, Iran University of Medical Sciences, Tehran, Iran
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- PhD in reproductive biology

Past and Present Positions and Memberships:

- ESHRE Senior Clinical Embryologist
- Embryologist in IVF lab in Akbarabadi Hospital, Tehran, Iran, from 2012 till now.
- Embryologist in IVF lab in Laleh Hospital, Tehran, Iran, 2012 - 2015.
- Assistant professor of Iran University of medical sciences, from 2015 till now.
- Eshre Senior clinical embryologist
- Member of reproductive biology core of Cellular and Molecular Research Center.
- Member of Iranian society for reproductive medicine (ISRM).
- Member of Iranian Society of Embryology & Reproductive Biology (ISERB)
- Member of society of stem cell science and technology in reproductive part.

Prizes/Awards:

1. First award winner in 6th Yazd International congress in reproductive medicine. April 2015.
2. Award winner in 15th ESHRE International congress. Lisbon. June 2015
3. Award winner in national research day in Iran University of medical science.2015.

Research Interests:

1. Omics study in reproductive field.
2. In vivo and in vitro study of human endometrium.
3. In vivo and in vitro study to improve human embryo implantation.
4. Human study and animal model study for male and female reproductive disorders (PCOs, endometriosis, RIF patients, Poor responder, azoospermia, oligo-astheno-teratospermia and etc)
5. ART techniques improvement (SA, IUI, IVM, ICSI, IVF, sperm/egg and embryo freezing, embryo biopsy and etc)
6. Biology and pathology of human sperm, oocyte and embryo.

International Presentations

- **Amjadi F**, Shaghaygh Haghjooy Javanmard, Hamid Zarkesh-Esfahani., Capri, Italy 23-26 October 2010, **Leptin Promotes melanoma tumor growth and NO production in vivo.**
- Zandieh Z, **Amjadi FS**, Amanpoor S, Ashrafi M, Aflatoonian R. **Evaluation of Toll Like Receptors (TLRs) in human fallopian tube cell line(OE_E6/E7).**October 2012. Reproductive Biology Symposium. Yazd.
- *Haghjooy Javanmard Shaghayegh, **Amjadi Fatemeh Sadat**, Zarkesh-Esfahani Hamid, Narimani Manizheh and Khazaei Majid (Clin Biochem 2011)**Leptin promotes angiogenesis and tumor growth in vivo***
- Zandieh.Z, **Amjadi.FS**,Ashrafi.M, Aflatoonian. R., Evaluation of Toll Like Receptors (TLRs) expression in human fallopian tube. MEFS (Middle east fertility Society) congress, Sep 2012
- **Fatemehsadat Amjadi**, Ensieh Salehi, Mehdi Mehdizadeh, Reza Aflatoonian. **Role of innate immunity in female reproductive tract.** International embryology congress. Ahvaz. Iran. Feb2013.
- **Amjadi F**, Zandieh Z, Salehi E, Aflatoonian A, Fazeli A, **Variable localization of TLRs in human fallopian tube epithelial cells.** Iran, Isfahan, Fertility & Infertility Society Congress.2014
- **Fatemehsadat Amjadi**, Nasrin Ghasemi, Ensieh Salehi, Mojgan Shakeri, Abbas Aflatoonian, Reza Aflatoonian. **Expression of Toll – like receptors in human fallopian tubes** Iran, Yazd. 5th International congress & Student Award in reproductive medicine. April 2013.
- Zandieh Z, **Amjadi FS**, Ashrafi M, Aflatoonian A, Fazeli A, Aflatoonian R. **Hormonal regulation of TLRs in human fallopian tube cells.** Iran.Yazd. 6th International congress & Student Award in reproductive medicine. April 2015
- **Amjadi FS**, Mehdizadeh M, Ashrafi M, Mirzaei M, Hosseini Salekdeh Gh, Aflatoonian R. **Proteomic profile of human endometrium in normal compare to polycystic ovarian syndrome.** Yazd. 6th International congress & Student Award in reproductive medicine. April 2015.
- **Amjadi FS**, Mehdizadeh M, Ashrafi M, Mirzaei M, Hosseini Salekdeh Gh, Aflatoonian R. **Proteomic profile of human endometrium in polycystic ovarian syndrome compare to normal.** Eshre. Lisbon. June 2015.
- **Member of** "Logical prescription drug in ovulation induction cycles and new protocols ART» **panel in 8th IRHRC Annual Meeting reproductive and infertility update.** 1394.09.26. Shahid Beheshti University of Medical Science.
- Zandieh.Z, **Amjadi.FS**,Ashrafi.M, Aflatoonian. R., Combination of sex hormone can modify TLRs gene expression in human fallopian tube. MEFS (Middle east fertility Society) congress.2016
- **Amjadi FS**, Mehdizadeh M, Ashrafi M, Mirzaei M, Hosseini Salekdeh Gh, Aflatoonian R. **Combind genomic and proteomic analysis of endometrium in polycystic ovarian syndrome compare to normal.** International congress & Student Award in reproductive medicine. Yazd. April 2017.
- Zandieh Z, **Amjadi FS**,Aflatoonian R. **Sperm DNA damage can change the immunological crosstalk between sperm and FRT.** International congress & Student Award in reproductive medicine, Yazd. April 2017.

- Zhaeintan, **Amjadi FS**, Zandieh, Joghataei, Bakhtiari, Aflatoonian R, **Evaluation of hydrocortisone effect on tight junction genes expression of the human fallopian tube.** International congress & Student Award in reproductive medicine, Yazd. April 2017.
- Aflatoonian A, Karimzade, Yousefnejad, Taheripناه, Hosseini, Nikmard. **Amjadi FS**, Hamidi Kariminejad, Aflatoonian B, Aflatoonian R. CGH Array: the first report of its clinical application for PGS in Iran. . International congress & Student Award in reproductive medicine, Yazd. April 2017.
- **Member of “Embryo manipulation and selection in ART” panel** in International congress & Student Award in reproductive medicine, Yazd. April 2017.
- Amjadi,F.;Zandieh,Z.; Mehdizadeh, M1.; Aghajanpour, S.; Aflatoonian, R. Which one is more effective on Recurrent Implantation Failure, innate or adaptive immunity?. Poster presentation, ESHRE 2018, Spain.
- *Fatemehsadat Amjadi*, Fertility preservation and epigenetic consequences. Oral presentation. Fertility preservation in cancer patient symposium, Akbar abadi Hospital , 2018. Tehran, Iran
- S.Nematollahi, M.Salehi, M.Mehdizade, **F.Amjadi. Long term incubation affects the DNA integrity and methylation of mouse spermatozoa.** The 4th international Congress on Reproduction (ISERB).April 2018.
- **Amjadi.F**, Zandieh.Z, Amiri.S, Mehdizade.M, Aflatoonian.R. **Adaptive immunity play more important role than innate immunity in recurrent implantation failure.** The 4th international Congress on Reproduction (ISERB).April 2018.
- Mohammadi.F, Zandieh.Z, **Amjadi.F**, Aflatoonian.R, Haghghi.M. **The effects of myoinositol on standard parameters, oxidative stress and DNA fragmentation of human cryopreserved sperm.** The 4th international Congress on Reproduction (ISERB).April 2018.
- Sperm DNA Damage have an Effect on aneuploidy-euploidy of Embryos in ICSI-CGH Array Cycles. Z Zandieh, A Gavahi, F Asgari, F Amjadi, V Akram, L Bajelan, ...HUMAN REPRODUCTION 34, 193-193 – ESHRE 2019
- Ajdary M, Keyhanfar F, **Amjadi FS**, Zandieh Z, Aflatoonian R, Mehdizadeh M. Creating a sustained release of clomiphene citrate upon administration in nano phosal-based formulation (PBF) and assessment of endometrial receptivity genes by influence of Nano clomiphene citrate. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Salehi Moghaddam Z, Ghahremani F, Jahanbakhsh S, Kiani K, **Amjadi FS**, Aflatoonian R. The tissue engineered uterus by 3D printing. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Tabatabaei M, **Amjadi FS**, Zare Karizi S, Amiri- Yekta A, Zandieh Z, Akbari Sene A, Aflatoonian R. The effect of myo-inositol on the oocyte quality, fertilization rates and signaling pathway of steroidogenesis in PCOs women undergoing ART cycles. International congress & Student Award in reproductive medicine, Yazd. April 2019
- Asgari F, Govahi A, **Amjadi FS**, Aflatoonian A, Vatannejad A, Aflatoonian R, Zandieh Z. Sperm DNA damage have an effects on embryo aneuploidy in ICSI-CGH array cycles. International congress & Student Award in reproductive medicine, Yazd. April 2019
- Mousavi SO, Mohammadi R, **Amjadi FS**, Aghajanpour S, Eslami M, Aflatoonian R. Different sperm DFI induced fallopian tube response by chemokines. . International congress & Student Award in reproductive medicine, Yazd. April 2019

- Zhaeentan S, **Amjadi FS**, Bakhtiyari M, Joghataei M, Aflatoonian R. The effects of hydrocortisone on tight junction genes in an in vitro model of the human fallopian epithelial cells. International congress & Student Award in reproductive medicine, Yazd. April 2019
- Mohammadi F, Varanloo N, Heydari Nasrabadi M, Vatannejad A, **Amjadi FS**, Javedano Masroor M, Bajelan L, Mehdizadeh M, Aflatoonian R, Zandieh Z. Supplementation of sperm freezing medium with Myoinositol improve human sperm parameters and protects it against DNA fragmentation and apoptosis. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Haghighi M, Mehdizadeh M, **Amjadi FS**, Zandieh Z, Mohammadi F. The effect of Inofolic on intracellular reactive oxygen species (ROS) and reduced glutathione (GSH) levels in the MII oocyte of DHEA-induced PCOs mice. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Daei-Farshbaf N, **Amjadi FS**, Taleahmad S, Ashrafi M, Aghajanpour S, Bakhtiyari M, Aflatoonian R. Analysis of olfactory receptors expression in cumulus cells as predictor for maturation level and fertilization outcome of oocyte. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Tanhaye Kalate Sabz F, Ashrafi M, **Amjadi FS**, Zandieh Z, Bashiri Z. Fertilization failure following ICSI. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Golkar S, Afsharian P, **Amjadi FS**, Chekini Z, Ghaffari F, Aflatoonian R. Different expression of MUC1, FGF2, HBEGF, CSF1, VEGFA in the female reproductive tract in women with and without ectopic pregnancy. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- Mohammadi F, Ashrafi M, Zandieh Z, Najafi M, Niknafs B, **Amjadi FS**, Haghighi M. The effect of preincubation time on oxidative stress and mitochondrial alteration of mouse MII oocytes in the simple and myo-inositol supplemented media. International congress & Student Award in reproductive medicine, Yazd. April 2019.
- S.O. Mousavi, R. Mohammadi, **F. Amjadi**, S. Aghajanpour, M. Eslami, R. Aflatoonian. Chemokines Alter Fallopian Tube Responses to DNA-Fragmented-Sperm by PCR Array. Eshre 2019.
- Z. Zandieh, A. Gavahi, F. Asgari, **F. Amjadi**, V. Akram, L. Bajelan, A. Aflatoonian, R. Aflatoonian. Sperm DNA Damage have an Effect on aneuploidy-euploidy of Embryos in ICSI-CGH Array Cycles. Eshre 2019.
- A. Akbari sene, **F. Amjadi**, A. Tabatabaie, M. Ashrafi, A. Alizadeh, K. Sheibani. Myo-inositol may improve oocyte quality and fertilization rate in women with polycystic ovary syndrome undergoing assisted reproductive technology cycles. Eshre 2019.
- M. Ajdary, R. Aflatoonian, F. Keyhanfar, **F. Amjadi**, Z. Zandieh, Design and evaluation of a novel nanodrug delivery system for reducing the side effects of clomiphene citrate on the endometrium. Eshre 2020.
- Mousavi, Mohammadi, **F. Amjadi**, Aghajanpour, Eslami, Aflatoonian. "Appropriate response of Fallopian tube cell line to sperms with DNA fragmentation through modulating specific cytokines" Eshre 2020.
- Jamileh Mirsanei, Dr. **Fatemeh Amjadi**, Dr. Zahra Zandieh, Atieh Mousavi. Microfluidic sorting selects sperm as a novel method for clinical use in fertilization failure patients undergoing ICSI. Royan congress. 2020
- **Fatemehsadat Amjadi**, The effect of IVF lab procedure on ART outcome. Oral presentation. ART outcome. Akbar abadi Hospital, 2020. Tehran, Iran

- Novel sperm preparation techniques compared with conventional preparation method. N Vahidi, FS Amjadi, F Kalat. sabz, Z Zandieh, N Narimani. Human Reproduction 36 (Supplement_1), deab130. 102 - ESHRE 2021
- GM-CSF (granulocyte-macrophage colony-stimulating factor) as a sperm medium supplement improves sperm quality in Oligoasthenoteratospermia (OAT) men by activating the PI3K ...F Tanhay. Kalat. Sabz, M Ashrafi, F Amjadi, Z Zandieh, E Hosseini. Human Reproduction 36 (Supplement_1), deab130. 101 – ESHRE 2021
- Three-dimensional co-culture of human endometrial cells with aneuploid and euploid embryos.S Amiri, F Amjadi, M Ashrafi, R Aflatoonian, A Akbari. Sene, Z Zandieh. Human Reproduction 36 (Supplement_1), deab130. 368 – ESHRE 2021
- Evaluation of the effect of seminal plasma exosomes from unexplained infertile men on the expression of implantation-related genes – oral presentation. H Gholipour, M Bakhtiyari, FS Amjadi, M Mehdizadeh, R Aflatoonian, **Z Zandieh**. Human Reproduction 37 (Supplement_1), deac105. 037- ESHRE 2022.
- **Fatemehsadat Amjadi**, Fertility preservation in nononcological cases. Oral presentation., 23rd Royan international congress, 2022. Tehran, Iran
- **Fatemehsadat Amjadi**, preimplantation diagnosis(PGD) for all or not?. Oral presentation., 18th National Congress on Obstetrics and Gynecology

Publications:

1. **Fatemehsadat Amjadi**, Shaghaygh Haghjooy Javanmard, Hamid Zarkesh-Esfahani, Majid Khazaei. (journal of Experimental & clinical cancer research 2011; 30(1): 21) Leptin promotes melanoma tumor growth in mice related to increasing circulating endothelial progenitor cells numbers and plasma NO production.
2. **Fatemehsadat Amjadi**, Ensieh Salehi, Shaghayegh Haghjooy Javanmard. Role of leptin in fertility. *Journal Of Isfahan Medical School*.2011.
3. افزایش ی واسطه به اصفهانی. لپتین زرکش **امجدی**، مجید خزاعی، حمید سادات بهزادی، **فاطمه** خورشیدی جوانمرد، مهدی جوی حق شقایق گردد. *مجله دانشکده پزشکی اصفهان* ۱۳۹۰ می تومورملانوما رشد افزایش موجب اندوتلیالی ساز پیش های سلول
4. Ensieh Salehi, **Fatemehsadat Amjadi**, Majid Khazaei. Angiogenesis in health and disease: the role of vascular endothelial growth factor.2012.
5. Nasrin Ghasemi, **Fatemehsadat Amjadi**, Ensieh Salehi, Mojgan Shakeri, Abbas Aflatoonian, Reza Aflatoonian. Expression of Toll – like receptors in human fallopian tubes. Iranian Journal of reproductive medicine.2013.
6. **Amjadi F.**, Salehi, E., Aflatoonian, R., Role of innate immunity in female reproductive tract. Advanced Biomedical Research. 2013.
7. Zahra Zandieh, **Fatemehsadat Amjadi**, Abbas Aflatoonian, Alireza Fazeli and Reza Aflatoonian. Sex hormones alter Toll-Like Receptor expression in human fallopian tube epithelial cells in vitro. Cell journal.2014.
8. Saifi, Bitia; Aflatoonian, Reza; Tajik, Nader; Erfanian Ahmadpour, Mahmood; Vakili, Rosita; **Amjadi, Fatemehsadat**; Valizade, Narges; Ahmadi, Sanaz; Rezaee, Seyed Abdolrahim; Mehdizadeh, Mehdi. T

regulatory markers expression in unexplained recurrent spontaneous abortion. The Journal of Maternal-Fetal & Neonatal Medicine.2015.

9. **Fatemehsadat Amjadi**, Mehdi Mehdizadeh, Shaghayegh Haghjoo Javanmard, Bitra Saifi, Mahnaz Ashrafi, Reza Aflatoonian, Apolipoprotein A1 as a novel anti-implantation biomarker in polycystic ovary syndrome. Journal of research in medical science. 2015.
10. **Amjadi Fatemeh Sadat**, Haghjooy Javanmard Shaghayegh, Zarkesh-Esfahani Hamid. Leptin serves as angiogenic/mitogenic factor in melanoma tumor. Advanced Biomedical Research. 2016.
11. Elham Mohammadzadeh, **Fateme-Sadat Amjadi**, Mansoureh Movahedin, Zahra Zandieh, Zohreh Nazmara, Neda Eslahi, Peymaneh Shirinbayan, Hamid Reza Asgari, Nahid Azad, Maryam Salimi, Morteza Koruji. In vitro development of embryos from experimentally Kerack-addicted Mice. Int J Reprod BioMed. 2017.
12. **Fatemehsadat Amjadi**, Zahra Zandieh, Ensieh Salehi, Reza Jafari, Nasrin Ghasemi, Abbas Aflatoonian, Alireza Fazeli, Reza Aflatoonian Variable localization of TLRs in human fallopian tube epithelial cells. Clinical and Experimental Reproductive Medicine.2017.
13. **Fatemehsadat Amjadi**, Mehdi Mehdizadeh, Mahnaz Ashrafi, Davood Nasrabadi, Sara Taleahmad, Mehdi Mirzaei, Vivek Gupta, Ghasem Hosseini Salekdeh, Reza Aflatoonian. Distinct changes in the proteome profile of endometrial tissues in polycystic ovary syndrome compared with healthy fertile women. Reproductive Biomedicine Online. 2018.
14. Shahrzad Zhaeentan, **Fateme Sadat Amjadi**, Zahra Zandieh, Mohammad Taghi Joghataei, Mehrdad Bakhtiyari, Reza Aflatoonian. The effects of hydrocortisone on tight junction genes in an in vitro model of the human fallopian epithelial cells. European Journal of Obstetrics and Gynecology. 2018.
15. **Fatemehsadat Amjadi** , Ensieh Salehi , Zahra Zandieh , Mandana Rashidi , Sara Taleahmad ,Mojgan Javedani masrou 5, Reza Aflatoonian 6, Mehdi Mehdizadeh . Comparative evaluation of NOTCH signaling molecules in the endometrium of women with various gynecological diseases during the window of implantation. Iranian journal of basic medical sciences. 2018
16. Zahra Zandieh, **Fatemehsadat Amjadi**, Haghghat Vakilian, Khashayar Aflatoonian, Elham Amirchaghmaghi, Alireza Fazeli, Reza Aflatoonian. Sex hormones alter the response of Toll-like receptor3 to its specific ligand in fallopian tube epithelial cells. Clinical and Experimental Reproductive Medicine. 2018
17. Sedigheh Nematollahi , Mehdi Mehdizadeh , Sara Hosseini , Maryam Kashanian , **Fateme . Amjadi** , Mohammad Salehi. DNA integrity and methylation changes of mouse spermatozoa following prolonged incubation. Andrologia.2019.
18. Azadeh Akbari Sene · Azam Tabatabaie · Hossein Nikniaz · Ahad Alizadeh · Kourosh Sheibani ·Mona Mortezapour Alisaraie · Maryam Tabatabaie · Mahnaz Ashrafi · **Fatemehsadat Amjadi**. The myo- inositol effect on the oocyte quality and fertilization rate among women with polycystic ovary syndrome undergoing assisted reproductive technology cycles: a randomized clinical trial. Archives of Gynecology and Obstetrics.2019
19. F. Mohammadi . N. Varanloo . M. Heydari Nasrabadi . A. Vatannejad .**F. S. Amjadi** . M. Javedani Masroor . L. Bajelan . M. Mehdizadeh .R. Aflatoonian . Z. Zandieh. Supplementation of sperm freezing medium with myoinositol improve human sperm parameters and protects it against DNA fragmentation and apoptosis. Cell Tissue Bank. 2019
20. Sadegh Ghorbani, Hossein Eyni, Zahra khosrowpour, Leila Salari Asl, Ronak Shabani, Hojjatollah Nazari, Mehdi Mehdizadeh, Majid Ebrahimi Warkiani, FatemeSadat Amjadi . Spermatogenesis Induction of

Spermatogonial Stem Cells using Nanofibrous Poly (L-Lactic Acid)/Multi-Walled Carbon Nanotube Scaffolds and Naringenin. *Polymers for Advanced Technologies*.2019.

21. Afsaneh Ghasemi, Fatemehsadat Amjadi, Masoumeh Ghazimirsaeed, Robabeh Mohammad beigi, Samaneh Ghasemi, Yousef Moradi, Tahereh Ghazimirsaeed . Effect of Myo-inositol on Sperm Parameters and Fertility Rate in Patients with Oligoasthenospermia Treated with IUI: A Randomized Clinical Trial. *International journal of reproductive biomedicine*.2019
22. افسانه قاسمی، زهرا درودیان، مریم برکت، فاطمه السادات امجدی، مریم طباطبایی "بررسی ارتباط بین میزان هورمون آنتی مولرین گنادوتروپین کوریونیک انسانی مایع فولیکولی و بلوغ تخمک" مجله طب جنوب، سال ۱۳۹۸
23. Marziyeh Ajdary, Fariborz Keyhanfar, Reza Aflatoonian, Amir Amani, Fatemeh Sadat Amjadi, Zahra Zandieh, Mehdi Mehdizadeh "Design and evaluation of a novel nanodrug delivery system for reducing the side effects of clomiphene citrate on endometrium" *DARU Journal of Pharmaceutical Sciences*. 2019.
24. Fatemeh Mohammadi , Mahnaz Ashrafi, Zahra Zandieh, Mohammad Najafi, Behrooz Niknafs, Fatemeh Sadat Amjadi, Maryam Haghighi. The Effect of Preincubation Time and Myo-inositol Supplementation on the Quality of Mouse MII Oocytes. *Journal of Reproduction & Infertility*.2019
25. Fatemehsadat Amjadi, Zahra Zandieh, Mehdi Mehdizadeh, Samaneh Aghajanjpoura, Ehsan Raoufi, Azin Aghamajidi, Reza Aflatoonian. "The uterine immunological changes may be responsible for repeated implantation failure". *Journal of reproductive immunology*. 2020.
26. Marziyeh Ajdary^{1, 2} Ph.D., Zahra Zandieh³ D.V.M., Ph.D., Fatemeh Sadat Amjadi Ph.D., Fariborz Keyhanfar Ph.D., Mehdi Mehdizadeh Ph.D., Reza Aflatoonian M.D., Ph.D. Interaction of sperm with endometrium can regulate genes involved in endometrial receptivity pathway in mice: An experimental study. *International Journal of Reproductive BioMedicine*.2020
27. Fatemeh Asgari, Azam Gavahi, Mehrdad Karimi, Akram Vatannejad, Fatemehsadat Amjadi, Reza Aflatoonian & Zahra Zandieh. Risk of embryo aneuploidy is affected by the increase in sperm DNA damage in recurrent implantation failure patients under ICSI-CGH array cycles. *Human Fertility*.2021
28. Neda Daei-Farshbaf, Reza Aflatoonian , Fatemeh-sadat Amjadi, Hossein Nikniyaz , Sara Taleahmad , Mehrdad Bakhtiyari. Identification of calcineurin as a predictor of oocyte quality and fertilization competence based on microarray data. *Computational Biology and Chemistry*. 2021
29. Fatemeh Mohammadi (MSc) , Zohreh Mehdiinia (MSc) , Samaneh Ghasemi (BSc), Zahra Zolfaghari (MSc) , Fatemeh Sadat Amjadi (PhD) , Mahnaz Ashrafi (MD) , Zahra Zandieh (PhD). Relationship between sperm parameters and clinical outcomes of Intra Uterine Insemination (IUI). *Caspian J Intern Med*.2021
30. Neda DAEI-FARSHBAFI , Reza AFLATOONIAN , Fatemeh-Sadat AMJADI¹, Sara TALEAHMAD , Mahnaz ASHRAFI , Mehrdad BAKHTIYARI. Expression pattern of olfactory receptor genes in human cumulus cells as an indicator for competent oocyte selection. *Turkish Journal of Biology*.2020
31. Seyed Omidreza Mousavi , Roudabeh Mohammadi , Fatemehsadat Amjadi , Zahra Zandieh , Samaneh Aghajanjpour , Khashayar Aflatoonian , Marjan Sabbaghian , Maryam Eslami , Tahereh Madani, Reza Aflatoonian. Immunological response of fallopian tube epithelial cells to spermatozoa through modulating cytokines and chemokines. *Journal of Reproductive Immunology*.2021.
32. Samaneh Aghajanjpour, Elham Hosseini, Elham Amirchaghmaghi^{1,3} Zahra Zandieh, Fatemehsadat Amjadi, Azar Yahyaei, Zahra Zolfaghari, Khashayar Aflatoonian, Mahnaz, Ashrafi¹, Reza Aflatoonian^{1*}. Differential expression of innate/adaptive immunity genes induced by endometrial scratching as a hopeful approach for implantation boosting in unexplained, repeated implantation failure: An RCT. *Journal of reproductive immunology*. 2021.

33. Maryam Tabatabaie, Sadegh Amiri, Masoumeh Golestan Jahromi, Azadeh Akbari Sene, Zahra Zandieh, Mehdi Mehdizadeh, Fatemehsadat Amjadi. The effect of Myo-Inositol supplement on molecular regulation of folliculogenesis, steroidogenesis, and assisted reproductive technique outcomes in patients with polycystic ovarian syndrome. *Molecular Biology Reports*. 2021.
34. Mehdi Alikhani¹ · Fatemehsadat Amjadi, Mehdi Mirzaei · Yunqi Wu · Faezeh Shekari · Mahnaz Ashraf · Mehdi Mehdizadeh · Matthew McKay · Sara Taleahmad · Samaneh Aghajanpour · Vivek Gupta · Hossein Baharvand · Reza Afatoonian · Ghasem Hosseini Salekdeh. Proteome analysis of endometrial tissue from patients with PCOS reveals proteins predicted to impact the disease. 2020
35. Azam Govahi, Fatemehsadat Amjadi, Mohammad-Hossein Nasr-Esfahani, Ehsan Raoufi, Mehdi Mehdizadeh. Accompaniment of Time-Lapse Parameters and Cumulus Cell RNA-Sequencing in Embryo Evaluation. *Reproductive Biology*. 2021.
36. Fatemehsadat Amjadi, Zahra Zandieh, Mehdi Mehdizadeh, Marziyeh Ajdary, Azin Aghamajidi, Ehsan Raoufi, Reza Afatoonian. Molecular signature of immunological mechanism behind impaired endometrial receptivity in polycystic ovarian syndrome. *Arch Endocrinol Metab*. 2021.
37. Fatemeh Tanhaye Kalate Sabz, Fatemehsadat Amjadi¹, Zahra Zandieh¹, and Mahnaz Ashrafi. SARS-CoV-2 and its Implications for the Human Reproductive System: A Review Article. 2022
38. Fatemeh Tanhaye Kalate Sabz, Fatemeh Sadat Amjadi, Zahra Zandieh, Elham Hosseini, Reza Afatoonian, Maryam Tabatabaie, Masoud Mohammadian, Mahnaz Ashrafi. GM-CSF (granulocyte-macrophage colony-stimulating factor) treatment improves sperm parameters in men with oligoasthenoteratospermia via PI3K/AKT pathway. *Andrologia*. 2021.
39. Zahra Bashiri, Nadia Sheibak, Fatemehsadat Amjadi & Zahra Zandieh. The role of myo-inositol supplement in assisted reproductive techniques. *Human fertility*. 2022
40. Maryam Haghighi, Mehdi Mehdizadeh, Fatemehsadat Amjadi, Zahra Zandieh, Mohammad Najafi, Tayebe Artimani, Fatemeh Mohammadi¹ and Rana Mehdizadeh. Effects of myo-inositol plus folic acid on ovarian morphology and oocyte quality in PCOS mouse model. *ZYGOTE*. 2022.
41. Hanieh Ghasemian Nafchia, Yaser Azizi, Fatemehsadat Amjadi, and Iman Halvaei . *In vitro* effects of plasma rich in growth factors on human teratozoospermic semen samples. *SYSTEMS BIOLOGY IN REPRODUCTIVE MEDICINE*. 2023.
42. Azam Govahi, Mohammad-Hossein Nasr-Esfahani, Fatemehsadat Amjadi, Mohammad Mahdevar, Rana Mehdizadeh, Mehdi Mehdizadeh . Cutting-edge techniques provide insights regarding repeated implantation failure patients. *RBM online*. 2023
43. Sadegh Eivazi¹ · Fatemeh Tanhaye Kalate Sabz^{1,4} · Sadegh Amiri¹ · Zahra Zandieh^{1,2} · Mehrdad Bakhtiyari¹ · Mandana Rashidi² · Reza Afatoonian³ · Fereshteh Mehraein¹ · Fatemehsadat Amjadi¹, MiRNAs secreted by human blastocysts could be potential gene expression regulators during implantation. *Molecular Biology Reports*. 2022.
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Reviewer:

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