

CURRICULUM VITAE



Name: Mohammad Reza Sadeghi
Date of Birth: 21 March 1968
Sex: Male
Marital Status: Married
Child: 2 Children
Email: sadeghi@ari.ir
m_r_sadeghi@yahoo.com.
Address: AvicennaResearch Institute, ShahidBeheshtiUniversity,
Evin, Tehran, Iran.
Tel: +98(21)22432020. Fax:+98(21)22432021

Position:

- Deputy of Research, Avicenna ResearchInstitute, ACECR, Tehran, Iran.
- Member of Embryology and Andrology Department, Avicenna Research Institute,ACECR,Tehran, Iran.
- Head of Embryology ward,Avicenna Infertility Clinic, ACECR,Tehran, Iran.
- Editor in Chief, Journal of Reproduction and Infertility (JRI), Avicenna Research Institute,ACECR, Tehran, Iran.

Education:

- Ph.D.in Clinical Biochemistry, Faculty of Medicine, Tehran University ofMedical sciences, Tehran, Iran, 1995-2000.
- M.Sc.in Clinical Biochemistry, Faculty of Medicine, Tehran Universityof Medical sciences, Tehran, Iran, 1992-1994.
- Bachelor in Biology, RaziUniversity,Kermanshah, Iran, 1987-1991.

Memberships:

- Member of experts commission for scientific evaluation of basic sciences faculty, ACECR, Tehran, Iran.
- Member of Stewardship Council and expanding research organizations of ACECR, Tehran, Iran
- Member of medical field committee affiliated to the Central commission for academic staff promotion, ACECR, Tehran, Iran.
- Member of the internal Commission for academic staff promotion. Avicenna Research Institute, ACECR, Tehran, Iran faculty.
- Secretary and member of the scientific council Avicenna Research Institute. ACECR, Tehran, Iran.
- Member and the secretary of health research bioethics committee, Avicenna Research Institute. ACECR, Tehran, Iran
- Member of Continuing Medical Education Council, Avicenna Research Institute.
- Member of technology committee, Avicenna biotechnology incubator Avicenna Research Institute, ACECR, Tehran, Iran.
- Member of steering committee on compilation of infertility services codex and standards, Ministry of Health and Medical Education.
- Member of Editorial board of International Journal of Hematology – oncology and Stemcell Research.
- Member of Editorial Board, Avicenna Journal of Medical Biotechnology (AJMB), Avicenna Research Institute, ACECR, Tehran, Iran.
- Society for Editors of Medical Journals, Deputy of Research and Technology, Ministry of Health and Medical Education.
- Morality Committee in Biomedical Research, Avicenna Research Institute, ACECR, Tehran, Iran.
- Member of Iranian Society for Reproductive Medicine, Ministry of Health and Medical Education.
- Boardmember of Iranian Society for Embryology and Reproductive biology, Ministry of Health and Medical Education.

Experiences:

I-Clinical Activities:

- Medical Diagnostic Laboratory (Kavosh Laboratory, Karaj, Iran 1995-1998)
- Medical Diagnostic Laboratory (Noor Laboratory, Tehran, Iran 1999-2001)
- Endocrinology Laboratory (Royan Institute, Tehran, Iran 1997-2000)

- Clinical Embryology(Avicenna Infertility Clinic, Tehran, Iran 2002-since)

II-Teaching Experiences:

- Molecular Mechanisms of Mammalian Gametogenesis & Fertilization, (Biochemistry MSc. Students).
- Tissue Culture and its Application in Reproduction, (Molecular Biology & Anatomy MSc. and PhD Students)
- Application of biochemical techniques in biomedical research, (Nutrition, MSc. and PhD. Students).
- Enzymology, Biochemistry of body fluids, Hormone Biochemistry, Tissues Biochemistry, Advance Biochemistry, ((Biochemistry MSc. Students).
- Clinical Biochemistry (Laboratory Technician Students).
- Basic Biochemistry (Medical Sciences, BS. Students).

Accomplished Research:

1. Metabolomics profiling of the human seminal plasma by GCMS: a non-invasive identification of spermatogenesis in men with non-obstructive azoospermia. Iranian Academic Center for Education, Culture & Research (ACECR).
2. Sperm selection according to molecular markers on spermatozoa surface. Iranian Academic Center for Education, Culture & Research (ACECR).
3. A survey on organizational culture and knowledge management in medical research centers affiliated to ministry of Health and education (pilot study). National Institute of Health Research.
4. Analysis of azoospermia factors (AZF) microdeletion in men with idiopathic non-obstructive azoospermia and oligospermia. Avicenna Research Institute (ARI), ACECR.
5. Comparison of protamine deficiency in normozoospermic and Oligoasthenoteratozoospermic Infertile Men Attended to Fatemeh Zahra Babol and Avicenna Infertility Clinic, Avicenna Research Institute (ARI) and Babol University of Medical sciences.
6. Effect of Ubiquinone Supplementation on semen quality, antioxidant enzymes, oxidative stress and sperm DNA fragmentation in infertile men with idiopathic oligoasthenoteratozoospermia referring to the Avicenna Infertility Clinic. Avicenna Research Institute (ARI) and Iran University of Medical Sciences.
7. Fetal sex determination using nested PCR and real-time PCR analysis of fetal DNA in maternal plasma of pregnant women during 7th-10th weeks of gestation. Avicenna Research Institute (ARI), ACECR
8. Identification of molecular markers for spermatogenesis in seminal plasma of non-obstructive azoospermic men. Avicenna Research Institute (ARI), ACECR.
9. Polymorphism of P and M isoenzymes of glutathione S-transferase in infertile men attending Avicenna Infertility Clinic. . Iranian Academic Center for Education, Culture & Research (ACECR).
10. Study the relationship between sperm function test and outcome of assisted reproductive techniques

in couples attending Avicenna Research Institute. Iranian AcademicCenter for Education, Culture &Research (ACECR)..

11. A comparison study of serum lipid levels in monozygotic and dizygotic twins with and without polycystic ovarian syndrome, Tehran, 1384-85. Avicenna Research Institute (ARI) and Iran University of Medical Sciences.
12. Designing an ELISA method for quantitative measurement of antisperm antibody (ASA) in serum, follicular fluid, cervical mucus and seminal fluid. National Research Center of Medical Sciences (NRCMS).
13. Designing of ELISA kit for measurement of pregnancy associated Plasma Protein-A (PAPP-A). Avicenna Research Institute (ARI), ACECR.
14. The comparison between two methods of cryopreservation, vitrification and vapour phase on motility, DNA fragmentation and autonomous acrosome reaction of human spermatozoa. Avicenna Research Institute (ARI), ACECR.
15. Analyzing defects in Phospholipid Hydroperoxide glutathione Peroxidase Gene and the relevant relationship with spermogram parameters as well as the oxidative stress status and sperm functional tests in oligoasthenozoospermic men. Avicenna Research Institute (ARI) and Kermanshah University of Medical Sciences.
16. Design an immuno fluorescent method for detection an apoptotic spermatozoa. Iranian AcademicCenter for Education, Culture &Research (ACECR).
17. Designing of an ELISA method for quantitative measurement of inhibin B. Iranian AcademicCenter for Education, Culture &Research (ACECR).
18. Twin Registry in Iran. WHO, EMRO, Cairo, Egypt.
19. The effects of Ruta Graveolens water extract on human sperm cell characteristic and function in vitro and determination of effective fraction. Tehran University of Medical Sciences & Avicenna Research Institute (ARI), ACECR.
20. Effect of folic acid and zinc sulfate supplementation on sperm function tests in infertile male. Iranian AcademicCenter for Education, Culture &Research (ACECR).
21. Identification of suitable biochemical markers for spermatogenesis in seminal plasma of azoospermic men. Avicenna Research Institute (ARI), ACECR.
22. Comparative study of ICSI outcome using ejaculated sperm and testicular sperm in cryptozoospermic men. Avicenna Research Institute (ARI), ACECR.
23. Investigating the luteinizing hormone (LH) receptor isoforms and its relation to apoptosis in hippocampus of castrated rats. Avicenna Research Institute (ARI) and Iran University of Medical Sciences.
24. Study of metallothionein 1M gene exon 2 polymorphism and screening the metallothionein 1G polymorphisms in men with unknown infertility referred to Avicenna Infertility Clinic compared with healthy fertile men. Avicenna Research Institute (ARI) and Iran University of Medical Sciences.
25. Detection of PER15 gene mutations and its association with men infertility. Avicenna Research Institute (ARI) and Shahid-Beheshti Medical Sciences University.
26. Study the effects of thawing medium supplemented with vitamin E and glutathione on human sperm

parameters, function and programmed cell death (apoptosis) after freezing. Avicenna Research Institute (ARI) and Biology Faculty, Tehran University.

27. Sperm washing of HIV infected semen in serodiscordant couples for IVF/ICSI. Avicenna Research Institute (ARI), ACECR.
28. A collaborative study of international reproductive health among twins. Avicenna Research Institute (ARI) and Universiti Kuala Lumpur (UniKL)

Researchin Progress:

1. Understanding the effects of oxidative stress, on structure and functions of human sperm, at genome, proteome and metabolome level. . Avicenna Research Institute (ARI), ACECR.
2. Effect of shorter abstinence on ICSI outcomes. Avicenna Research Institute (ARI), ACECR.
3. Assessment of the effect of intrauterine injection of human chorionic gonadotropin (HCG) before embryo transfer on the implantation and pregnancy rates in the intracytoplasmic sperm injection (ICSI) method among patients who referred to infertility clinic of the Avicenna research center during 2013-2014. Avicenna Infertility Clinic. ACECR.
4. A valuation of efficacy of GM-CSF in embryo culture for frizzed embryo culture for frizzed embryos in embryo development & pregnancy. Avicenna Infertility Clinic.
5. Evaluation of the ffect of supplementation with vitamin E and vitamin D on serum and follicular fluid oxidative and antioxidative stress factors, oocyte quality and ICSI outcomes in PCOS infertile women candidate for ICSI who referred To Infertility Clinic of Avicenna Research Center during 2014-2015. Avicenna Infertility Clinic. ACECR.
6. Relationship of sperm functions with its surface biomarkers involved in fertilization. Avicenna Research Institute (ARI), ACECR & Iran National Science Foundation.

Publications:

I. Papers:

1. Darbandi M, Darbandi S, Shirazi A, Khorshid HRK, Sadeghi MR Three-parent IVF: Investigating The Results Of NT Methods For Increasing The Mammalian Immature Oocyte Quality. American International Journal of Contemporary Scientific Research. 2016; 3 (14):
2. Eslamian G, Amirjannati N, Rashidkhani B, Sadeghi MR, Hekmatdoost A. Nutrient patterns and asthenozoospermia: a case-control study. *Andrologia*. 2016 Jun 1. doi: 10.1111/and.12624. [Epub ahead of print], Article in Press
3. Sara Darbandi, Mahsa Darbandi, Hamid Reza Khorram khorshid, **Mohammad Reza Sadeghi**, Safaa Al-Hasani, Ashok Agarwal, Abolfazl Shirazi, Mahnaz Heidari, Mohammad Mehdi Akhondi. Experimental strategies towards increasing intracellular mitochondrial activity in oocytes: A systematic review. *Mitochondrion*. 2016;30:8–17
4. Zarei M, Fakhr SH, Tabei MB, Javanbakht MH, Derakhshanian H, Farahbakhsh Farsi P, **Sadeghi MR**, Mostafavi E, Djalali M. Effects of vitamin A, C and E, or omega-3 fatty acid supplementation on

the level of paraoxonase and arylesterase activity in streptozotocin-induced diabetic rats: an investigation of activities in plasma, and heart and liver homogenates. *Singapore Medical Journal*. 2016;57(3):153-6

5. Darbandi S, Darbandi M, Mokrem P, Sadeghi Mr, Owji AA, Khorram khorshid Hr, Zhao B, Heidari M. The Acupuncture-Affected Gene Expressions and Epigenetic Modifications in Oxidative Stress–Associated Diseases. *Medical Acupuncture*. 2016;28(1):16-27
6. Giahi L, Mohammadmoradi S, Javidan A, **Sadeghi MR**. Nutritional modifications in male infertility: a systematic review covering 2 decades. *Nutrition Reviews*. 2016;74(2):118-30
7. Eslamian Gh, Amirjannati N, Rashidkhani B **Sadeghi MR**, Baghestani AR, Hekmatdoost A. Adherence to the Western Pattern Is Potentially an Unfavorable Indicator of Asthenozoospermia Risk: A Case-Control Study. *Journal of the American College of Nutrition* 2016;35(1):50-58
8. Hekmatdoost A, Vahid F, Yari Z, **Sadeghi MR**, Eini-Zinab H, Lakpour N, Arefi S. Methyltetrahydrofolate vs Folic Acid Supplementation in Idiopathic Recurrent Miscarriage with Respect to Methylenetetrahydrofolate Reductase C677T and A1298C Polymorphisms: A Randomized Controlled Trial. *PLoS One*. Published online 2015; 10(12): 1-12
9. Naghibi Harat Zh, Lakpour N, Sadeghipour HR, Kamali Nejad M, Eshraghian MR, B. Naghibi, Akhondi MM, Binafar S, **Sadeghi MR**. Immobilising effect of *Ruta graveolens* L. on human spermatozoa: coumarin compounds are involved. *Andrologia*.2015; 47(10): 1183-9
10. Eslamian Gh, Amir jannati N, Rashidkhani B, **Sadeghi MR**, Baghestani Ar, Hekmat doost A. Dietary fatty acid intakes and asthenozoospermia: a case-control study. *Fertility and Sterility*. 2015; 103(1): 190-198
11. Jafarzadeh N, Ahmad mani V, Minaie tehrani A, Savadi shirazi E, **Sadeghi MR**, Gilani K. Metabolomics Fingerprinting of Seminal Plasma from Unexplained Infertile Men: A Need for Novel Diagnostic Biomarkers. *Molecular Reproduction and Development*. 2015; 82(3): 150-150
12. Zafardust S, Jeddi- tehrani M, Akhondi Mm, **Sadeghi MR**, Kamali K, Mokhtar S, Bادهنووش B, Arjmand F, Fatemi F, Mohammad zadeh A. Effect of Administration of Single Dose GnRH Agonist in Luteal Phase on Outcome of ICSI-ET Cycles in Women with Previous History of IVF/ICSI Failure: A Randomized Controlled Trial. *Journal of Reproduction and Infertility*. 2015; 16(2): 96-101
13. Savadi shirazi E, Edalat khah H, Talebi S, Heidari-vala H, Zand emami M, Pahlavan S, Modarresi Mh, Akhondi Mm, Agnieszka paradowska D, **Sadeghi MR**. Quantification of sperm specific mRNA transcripts (PRM1, PRM2, and TNP2) in teratozoospermia and normozoospermia: New correlations between mRNA content and morphology of sperm. *Molecular Reproduction and Development*. 2015; 82(1): 26-35
14. Jafarian A, **Sadeghi MR**, Pejhan N, Salehkhous S, Lakpour N, Akhondi MM. Regeneration of spermatogenesis in a mouse model of azoospermia by follicle-stimulating hormone and oestradiol. *Andrologia*. 2014; 46(10) : 1098-1106
15. Amini L, **Sadeghi MR**, Oskooei F. Lipoproteins and Apolipoproteins in Women with Hirsutism. *Journal of Clinical Care*. 2014; 2(3): 61-68
16. Amini L, **Sadeghi MR**, Oskooei F, Kamali K, Maleki H. Lipid Profile in Women with Polycystic Ovary Syndrome. *Crescent Journal of Medical and Biological Sciences*. 2014; 1(4): 147-150

17. Khanaki K, **Sadeghi MR**, Akhondi Mm, Darabi M, Mehdizadeh -, Shaabani M, Rahimipour A, Nouri M. High ω -3: ω -6 fatty acids ratio increases fatty acid binding protein 4 and extracellular secretory phospholipase A2IIa in human ectopic endometrial cells. *Iranian Journal of Reproductive Medicine*. 2014; 12(11): 755-764
18. Eghbali M, **Sadeghi MR**, Lakpour N, Edalat khah H, Zeraati H, Soltan ghoraee H, Akhondi Mm, Hashemi Sb, Modarresi Mh. Molecular analysis of testis biopsy and semen pellet as complementary methods with histopathological analysis of testis in non-obstructive azoospermia. *Journal of Assisted Reproduction and Genetics*. 2014; 31(6): 707-715
19. Raygani M, Yaghmae B, Amir jannati N, Lakpour N, Akhondi Mm, Zeraati H, Hosein ali M, **Sadeghi MR**. The micronutrient supplements, zinc sulphate and folic acid, did not ameliorate sperm functional parameters in oligoasthenoteratozoospermic men. *Andrologia*. 2014; 46(9): 956-962
20. Amini L, Oskooei F, Behnam B, **Sadeghi MR**. PolyCystic Ovary Syndrome in Monozygotic Twins Concordant for Lipid Profiles in Iranian Reproductive Women. *International Journal of Women's Health and Reproduction Sciences*. 2014; 2(4): 236-239
21. Jamshidi J, Pouresmaeili F, Darvish H, Omrani D, Azargashsab E, **Sadeghi MR**, Lakpour N. FABP9 Mutations Are Not Detected in Cases of Infertility due to Sperm Morphological Defects in Iranian Men. *International Journal of Fertility and Sterility*. 2014;7(4):275-280.
22. Najarzadeh A, Shidfar F, Amir Jannati N, Vafa M, Motevallian SA, Gohari M, Nazeri Kakhki S A, Akhondi MM, **Sadeghi MR**. Effect of Coenzyme Q10 supplementation on antioxidant enzymes activity and oxidative stress of seminal plasma: a double-blind randomized clinical trial. *Andrologia*. 2014;46(2):177-183
23. Hakimi H, Akhondi MM, **Sadeghi MR**, Chamani Tabriz L, Kazemi Arababadi M, Nasiri Ahmadabadi B, Hasan Shahi GhH. Seminal Levels of IL-10, IL-12, and IL-17 in Men with Asymptomatic Chlamydia Infection. *Inflammation*. 2014;37(1):122-126.
24. Gilani K, Moazeni-Pourasil R, **Sadeghi MR**. Fourier Transform Infrared Spectroscopy: A Potential Technique for Noninvasive Detection of Spermatogenesis. *Avicenna Journal of Medical Biotechnology*. 2014;6(1):47-52
25. Khosravi F, Zarei S, Ahmadvand N, Akbarzadeh Pasha Z, Savadi Shirazi E, Zarnani AH, **Sadeghi MR**, Jeddi- Tehrani M. Association between plasminogen activator inhibitor 1 gene mutation and different subgroups of recurrent miscarriage and implantation failure. *Journal of Assisted Reproduction and Genetics*. 2014;31(1):121-124
26. Khorram Khorshid HR, Zargari M, **Sadeghi MR**, Edallatkah H, Shahhosseiny MH, Kamali K. Early fetal gender determination using real-time PCR analysis of cell-free fetal DNA during 6th-10th weeks of gestation. *Acta Medica Iranica*. 2013;51(4):209-214.
27. Akhondi MM, Mohazzab A, Jeddi-Tehrani M, **Sadeghi MR**, Eidi A, Khodadadi A, Piravar Z .Propagation of human germ stem cells in long-term culture. *Iran J Reprod Med*; 2013;11(7):551-558.
28. Darvish nia H, Lakpour N, Shams Lahijani M, Heidari-Vala H, Akhondi MM, Zeraati H, **Sadeghi MR**. Effects of very rapid versus vapor phase freezing on human sperm parameters. *Cell and Tissue Banking*. 2013;14(4):679-685
29. Heidari-Vala H, Ebrahimi Harir R, **Sadeghi MR**, Akhondi MM, Ghaffari Novin M, Heidari M. Evaluation of an Aqueous-Ethanollic Extract from *Rosmarinus officinalis* (Rosemary) for its Activity on the Hormonal and Cellular Function of Testes in Adult Male Rat. *Iranian Journal of Pharmaceutical Research*. 2013;12(2):445-451

30. Eslamian Gh, Amir Jannati N, **Sadeghi MR**, Rashidkhani B, Pahlavan S, Hooshangi A, Hekmat Doost A. The effects of combined supplementation of docosahexaenoic acid and vitamin E on fatty acid changes in sperm membrane in asthenozoospermic men. *Iranian Journal of Nutrition Sciences & Food Technology*. 2013;8(1):23-37
31. Sarvari A, Naderi MM, **Sadeghi MR**, Akhondi MM. A technique for facile and precise transfer of mouse embryos. *Avicenna Journal of Medical Biotechnology*. 2013;5(1):62-65
32. Abtahi H, Shabani M, Jameie SB, Zarnani AH, Talebi S, Lakpour N, Heidari-Vala H, Edalatkhah H, Akhondi MA, Amiri M, Mahmoudi AR, **Sadeghi MR**. Regulation of luteinizing hormone receptor in hippocampal neurons following different long-lasting treatments of castrated adult rats. *Indian Journal of Experimental Biology (IJEB)*. 2013;51(03):218-227.
33. Meyfour A., Rezaie Tavirani M., **Sadeghi MR**. Common Proteomic Technologies, Applications, and their Limitations. *Journal of Paramedical Sciences (JPS)* 2013;4:115-125 .
34. Meyfour A, Rezaie Tavirani M, **Sadeghi M.R**, Basati Gh, Amraei M. Total Protein Extraction With High Concentration From The Sperm Cells of Fertile and Infertile Men. *Scientific Journal of Ilam University of Medical Sciences*. 2013;20(4):144-151.
35. Lakpour N, Mirfeizollahi A, Farivar S, Akhondi MM, Hashemi SB, Amirjannati N, Heidari-Vala H, **Sadeghi MR**. The association of seminal plasma antioxidant levels and sperm chromatin status with genetic variants of GSTM1 and GSTP1 (Ile105Val and Ala114Val) in infertile men with oligoasthenoteratozoospermia. *Dis Markers*. 2013;34(3):205-210
36. Piravar Z, Jeddi-Tehrani M, **Sadeghi MR**, Mohazab A, Eidi A, AkhondiMM. In vitro Culture of Human Testicular Stem Cells on Feeder-Free Condition. *Journal of Reproduction and Infertility* 2013;14(1):17-22.
37. Eslamian G, Amirjannati N, Rashidkhani B, **Sadeghi MR**, Hekmatdoost A. Intake of food groups and idiopathic asthenozoospermia: a case–control study. *Hum Reprod*. 2012;27(11):3328-3336.
38. Zand Emami M, Ghoojagh D, Akhondi MM, Kamali K, Raygani M, Lakpour N, Savadi Shirazi E, **Sadeghi MR**. Correlation of CMA3 Staining with Sperm Quality and Protamine Deficiency. *Lab Medicine* 2012;43(6):262-267.
39. Lakpour N, Mahfouz RZ, Akhondi MM, Agarwal A, Kharrazi H, Zeraati H, Amirjannati N, **Sadeghi MR**. Relationship of seminal plasma antioxidants and serum male hormones with sperm chromatin status in male factor infertility. *Systems Biology in Reproductive Medicine*. 2012;58(5):236-244
40. Khanaki K, Nouri M, Ardekani A M, Ghassemzadeh A, Shahnazi V, **Sadeghi MR**, Darabi M, Mehdizadeh, Dolatkhah, Saremi A, R. Imani, Rahimipour A. Evaluation of the Relationship between Endometriosis and Omega-3 and Omega-6 Polyunsaturated Fatty Acids. *Iranian Biomedical Journal* 2012;16(1):38-43.
41. Khanaki K, Motevally Zadeh Ardekani A, Ghasem-Zadeh A, Shahnazi V, **Sadeghi MR**, Darabi M, Mehdizadeh, Saremi A, Soleimani Rad J, R. Imani, Nouri M, Rahimipour A. Effect of polyunsaturated fatty acids on secretory phospholipase A2 type IIa in ectopic endometrial cells. *Iranian Journal of Reproductive Medicine*. 2012;10(4):321-328.
42. Eslamian G, **Sadeghi MR**, Rashidkhani B, Pahlavan S, Amirjannati N, Hekmatdoos A. The effects of combined docosahexaenoic acid and vitamin E supplements on spermatogram in asthenozoospermic males: A randomized, triple-blind, placebo-controlled clinical trial. *Razi Journal of Medical Sciences*. 2012;19(96):34-44

43. Amirjannati N, Heidari-vala H, Akhondi MM, Hosseini Jadda SH, Kamali K, **Sadeghi MR**. Comparison of intracytoplasmic sperm injection outcomes between spermatozoa retrieved from testicular biopsy and from ejaculation in cryptozoospermic men. *Andrologia*. 2012;44(Supplement s1), 704–709
44. Saliminejad K, **Sadeghi MR**, Kamali K, Amirjannati N, Soltangharaee H, Khorram Khorshid HR. Discrepancy in the Frequency of Y chromosome Microdeletions among Iranian Infertile Men with Azoospermia and Severe Oligozoospermia. *Genetic Testing and Molecular Biomarkers*. 2012; 16(8):931-934
45. Ghorbian S, Salimi Nejad K, **Sadeghi MR**, Kamali K, Amir Jannati N, Bahreini F, Edalat khah H, Khorram Khorshid HR. The Association between Y chromosome Microdeletion and Recurrent Pregnancy Loss. *Iranian Red Crescent Medical Journal*. 2012;14(6):358-362
46. Heidari M, Heidari-Vala H, **Sadeghi MR**, Akhondi MA. The inductive effects of *Centella asiatica* on rat spermatogenic cell apoptosis in vivo. *Journal of Natural Medicines*. 2012;66(2):271-278
47. Zargary M, **Sadeghi MR**, Shah Hoseini MH, Kamali K, Salimi Nejad K, Esmaeil zadeh A, Khorram Khorshid HR. Fetal Sex Determination using Non-Invasive Method of Cell-free Fetal DNA in Maternal Plasma of Pregnant Women During 6th– 10th Weeks of Gestation. *Avicenna Journal of Medical Biotechnology*. 2011;3(4):201-206
48. Abtahi 1H, **Sadeghi MR**, Shabani M, Edalatkhah H, Hadavi R, Akhondi MM, Talebi S. Causes of bimodal melting curve: Asymmetric guanine-cytosine(GC) distribution causing two peaks in melting curve and affecting their shapes. *African Journal of Biotechnology*. 2011;50(10):10196-10203
49. Shahbazi M, Jeddi- Tehrani M, Zarei M, Salek Moghaddam AR, Akhondi MA, **Sadeghi MR**, Zarnani AH. Expression profiling of vitamin D receptor in placenta, decidua and ovary of pregnant mice. *Placenta*. 2011;32(9):664-657
50. Gilani K, Lakpour N, Vafakhah M, **Sadeghi MR**. The profile of human sperm proteome ; A minireview. *Journal of Reproduction and Infertility*. 2011;12(3):193-199
51. **Sadeghi MR**, Lakpour N, Heidari-Vala H, Hodjat M, Amir Jannati N, Hosseini Jadda H, Binafar S, Akhondi MA. Relationship between sperm chromatin status and ICSI outcome in men with obstructive azoospermia and unexplained infertile normozoospermia. *Romanian Journal of Morphology and Embryology*. 2011;52(2):645–651
52. Aslani F, Modarresi MH, Soltan Ghoraee H, Akhondi MA, Shabani A, Lakpour N, **Sadeghi MR**. Seminal molecular markers as a non-invasive diagnostic tool for the evaluation of spermatogenesis in non-obstructive azoospermia. *Systems Biology in Reproductive Medicine*. 2011;57(4):190-196
53. Nadjarzadeh A, **Sadeghi MR**, Amirjannati N, Vafa MR, Motevalian SA, Gohari MR, Akhondi MA, Yavari P, Shidfar F. Coenzyme Q10 improves seminal oxidative defense but does not affect on semen parameters in Idiopathic Oligoasthenoteratozoospermia: a Randomized Double- blind, Placebo Controlled Trial. *Journal of Endocrinological Investigation*. 2011;34(8):224-228
54. Amir Jannati N, **Sadeghi MR**, Hosseini Jadda H, Ranjbar F, Kamali K, Akhondi MA. Evaluation of semen quality in patients with malignancies referred for sperm banking before cancer treatment. *Andrologia*. 2011;43(5):317-320
55. Sarvari A, Naderi MM, Heidari M, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**, Akhondi MA. Effect of Environmental Risk Factors on Human Fertility. *Journal of Reproduction & Infertility*. 2010;11(4): 211-226
56. Modaresi T, Parivar MK, Mohseni Kochesfehiani H, Sabbaghian M, Heidari vala H, **Sadeghi MR**.

Isolation and recognition of spermatogenic cell lineages from mouse testis tissue. *Yakhteh Medical journal*. 2010;12(3):429-432

57. Akhondi MA, Akbarzadeh Najar R, Jeddi-Tehrani M, **Sadeghi MR**, Zarnani AH, Rabbani H, Salehkhoulou Sh, Eini L, Hoseinzadeh F, Heidari M. The effect of human chorionic gonadotropin treatment on recipient mouse germ cell proliferation following spermatogonial stem cell transplantation of neonatal donor mice. *Avicenna Journal of Medical Biotechnology (AJMB)*. 2010; 2(1):23-35.
58. Sabetian S, Ardekani A, Hodjat M, Akhondi MA, Soltanghoreae H, Amirjannati N, Lakpour N, **Sadeghi MR**. Comparing seminal plasma biomarkers between normospermic and azospermic Men. *Journal of Reproduction & Infertility*. 2010;11(1):39-46
59. Kokab A, Akhondi MM, **Sadeghi MR**, Modarresi MH, Aarabi M, Jennings R, Pacey AA, Eley A. Raised Inflammatory Markers in Semen from Men with Asymptomatic Chlamydial Infection. *Journal of Andrology*. 2010;31(2):114-120
60. Hadavi R, Zarnani AH, Ahmadvand N, Mahmoodi SAR, Bayat AA, Mahmoudian J, **Sadeghi MR**, Soltan-Ghoreae H, Akhondi MM, Tarahomi M, Jeddi-Tehrani M, Rabbani H. Production of monoclonal antibody against human Nestin. *Avicenna Journal of Medical Biotechnology*. 2010;2(2): 69-77
61. Jabbari S, **Sadeghi MR**, Akhondi MM, Ebrahimi Habibi A, Amirjanati N, Lakpour N, et al. Tyrosine Phosphorylation Pattern in Sperm Proteins Isolated from Normospermic and Teratospermic Men. *Journal of Reproduction & Infertility*. 2009;10(3):185-191
62. Aarabi M, Saliminejad K, **Sadeghi MR**, Soltanghoreae H, Amirjannati N, Modarresi MH. Deletion and Testicular Expression of DAZ (Deleted in Azoospermia) Gene in Patients with Non-Obstructive Azoospermia. *Iranian Journal Public Health*. 2009;38(3):17-23
63. **Sadeghi MR**, Lotfollahi Shabestari O, Akhondi MM, Maleki H, Hamzeh Zadeh H, Sadeghi ES, Ebadi P, Ebrahimi Abed F, Zeraati H. Designing and founding of twins' data bank in Islamic Republic of Iran. *Payesh*. 2009;8(2):123-133.
64. Amirjannati N, Ghorbani B, Akhondi MM, **Sadeghi MR**, Jeddi-Tehrani M, Soltan Ghoraie H. Sexual and Hormonal Profiles of Infertile Subjects with Non-Obstructive Azoospermia. *Medical Journal of Reproduction & Infertility*. 2009;10(1): 42-50.
65. Naghibi Harat Zh, Kamali-nejad M, **Sadeghi MR**, Sadeghipour HR, Eshraghian MR. A Review on *Rutagraveolens L.*; Its Usage in Traditional Medicine and Modern Research Data. *Journal of Medicinal Plants*. 2009;8(2):1-19
66. Hekmatdoost A, Lakpour N, **Sadeghi MR**. Sperm chromatin integrity: Etiologies and mechanisms of abnormality, assays, clinical importance, preventing and repairing damage. *Avicenna Journal of Medical Biotechnology (AJMB)*. 2009;1(3):147-160
67. **Sadeghi MR**, Hodjat M, Lakpour N, Arefi S, Amir Jannati N, Modarresi T, Hosseini Jadda H, Akhondi MM. Effects of sperm chromatin integrity on fertilization rate and embryo quality following intra-cytoplasmic sperm injection. *Avicenna Journal of Medical Biotechnology*. 2009;1(3):173-180
68. Hemmati SH, Zarnani AH, Mahmoudi AR, **Sadeghi MR**, Soltanghoreae H, Akhondi MM, Tarahomi M, Jeddi-Tehrani M, Rabbani H. Ectopic expression of Sortilin1 (NTR-3) in patients with ovarian carcinoma. *Avicenna Journal of Medical Biotechnology (AJMB)*. 2009;1(2):125-131
69. Mirfeizollahi A, Farivar Sh, Akhondi MM, Modarresi MH, Hodjat M, **Sadeghi MR**. GSTM1 and GSTP1 polymorphisms and glutathione S-transferase activity: Iranian infertile men. *Tehran University Medical Journal*. 2009;66(12):878-887.

70. Jafarian A, Akhondi MA, Pezhhan N, **Sadeghi MR**, Zarnani AH, Salehkhoh SH. Stimulatory Effects of Estradiol and FSH on the Research of Spermatogenesis in Azoospermic Mice. *Medical Journal of Reproduction & Infertility* .2009;9(4):317-324.
71. Hodjat M, Akhondi MA, Al-Hasani S, Mobaraki M, **Sadeghi MR**. Increased sperm ubiquitination correlates with abnormal chromatin integrity. *Reproductive Biomedicine Online*. 2008;17(3):324-330
72. Hodjat M, Talebian A, Akhondi MA, Zeraati H, Shabani A, **Sadeghi MR**. Sperm ubiquitination correlation with human semen quality. *Iranian Journal of Public Health*. 2008;37(2):32-40.
73. Arefi S, Soltanghoraei H, **Sadeghi MR**, S. Tabaei A, Zeraati H, Zarnani AH. Findings on hysteroscopy in patients with in vitro fertilization by intra cytoplasmic single sperm injection and embryo transfer failures. *Saudi Medical Journal*. 2008;29(8):447-448.
74. M. Ardekani A, Akhondi MA, **Sadeghi MR**. Application of Genomic and Proteomic Technologies to Early Detection of Cancer. *Archives of Iranian Medicine*, 2008;11(4):427-434.
75. Hodjat M, Akhondi MM, Amirjanati N, Savadi Shirazi E, **Sadeghi MR**. The comparison of four different sperm chromatin assays and their correlation with semen parameters. *Tehran University Medical Journal*, 2008;65(3):33-41.
76. **Sadeghi MR**, Akhondi MM, Hodjat M, Mobaraki M, Bolurzadeh M, Amirjanati N, Zonobi M, Ghaffari Novin M. Correlation between the result of sperm function test and intra- Cytoplasmic sperm injection (ICSI). *Tehran University Medical Journal*, 2008;65(3):73-82.
77. Akbarzadeh Najar R, Jeddi-Tehrani M, **Sadeghi MR**, Zarnani AH, Salehkhoh SH, Hoseinzadeh F, Heidari M, Eini L, Akhondi MM. Spermatogonial stem cell transplantation in mice. *Tehran University Medical Journal*, 2008;65(3):1-10.
78. Lakpour N, Kharrazi H, Akhondi MM, Raygani AV, Modaresi MH, Jafarian A, Savadi Shirazi E, Hodjat M, **Sadeghi MR**. The relationship between oxidative stress and sperm DNA damage in normozoospermic men and with abnormal sperm parameters. *Tehran University Medical Journal*, 2008, 65 (3): 11-19.
79. Naghibi Harat Z, **Sadeghi MR**, Sadeghipour HR, Kamalinejad M, Eshraghian MR. Immobilization effect of Rutagraveolens L. on human sperm: A new hope for male contraception. *Journal of ethnopharmacology*. 2008;115(1):36-41.
80. Darvishnia H, Shams Lahijani M, Akhondi MA, Mobaraki M, **Sadeghi MR**. The effects of cryopreservation by vitrification on motility, viability and spontaneous acrosome reaction of human spermatozoa. *Iranian Journal of Biology*. 2008; 21(4): 618-629.
81. **Sadeghi MR**, Akhondi MM, Hojat H, Ghods R, Bayat AA. Purification of inhibin from human follicular fluid using monoclonal antibody. *Feyz: (Journal of Kashan University of Medical Sciences)* ,2007,11(3):24-30.
82. Fakher sh, Djalali M, Tabei SMB, Zeraati H, Javadi E, **Sadeghi MR**, Mostafavi E, Fatehi F. Effect of vitamins A, E, C and omega-3 Fatty Acids on Lipid peroxidation in streptozotocin induced Diabetic Rats. *Iranian Journal of Public Health*, 2007;36(2):58-63.
83. Torkabadi E, Akhondi MA, Pakzad P, Mahmoodi AR, Bayat A, Torkabadi E, **Sadeghi MR**, Jeddi-Tehrani M. Characterization of HS80 monoclonal antibody for detection of its antigen on the surface of human sperm. *Hakim Research Journal*. 2007;9(4):65-75.
84. Heidari M, Jamshedi AH, Akhondzadeh Sh, Ghaffari Novin M, **Sadeghi MR**, Ghazi Khansari M, Akhondi MA. Evaluating the effects of *Centella asiatica* on spermatogenesis in rats. *Medical Journal of*

Reproduction & Infertility. 2007;7(4):367-374.

85. Jahanbakht H, Parivar K, Akhondi MA, Jeddi-Tehrani M, Modarresi MH, **Sadeghi MR**, Keramatipour M, Zarnani AH, Salehkhoh Sh. Evaluating the effects of NGF, RA and Shh growth factors on murine embryonic stem cell differentiation into neurons and oligocytes. *Medical Journal of Reproduction & Infertility*. 2007;7(4):349-357.
86. Safarpour E, Parivar K, Akhondi MA, Jeddi-Tehrani M, Shokri F, Zarnani AH, Keramatipour M, Salehkhoh SH, Eini L, **Sadeghi MR**. Studying the effects of TGF- β 2 and BMP-2 growth factors on differentiation of murine embryonic stem cells into cardiomyocytes. *Medical Journal of Reproduction & Infertility*. 2007;7(4):338-348.
87. Aslani F, Akhondi MA, Modarresi MH, Shabani A, Aarabi M, **Sadeghi MR**. Evaluating the presence of testis specific transcripts in mature human spermatozoa. *Medical Journal of Reproduction & Infertility*. 2007;8(3):195-204.
88. Akbarzadeh Najar R, Akhondi MM, Parivar K, Jeddi-Tehrani M, **Sadeghi MR**, Javadi E. The effects of Human Chorionic Gonadotropin on germ cell maturation and testosterone secretion in neonatal mouse testis. *Medical Journal of Reproduction & Infertility*. 2006;7(3):209-216.
89. Lakpour N, Modaresi MH, Kharazi H, Akhondi MM, Veisi Raygani A, Ghasemi J, Hodjat M, **Sadeghi MR**. Polymorphism in Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPX) gene in Iranian infertile men. *Medical Journal of Reproduction & Infertility*. 2006;7(3):198-208.
90. Arabi M, Soltan Ghoraee H, Amir Jannati N, Ghaffari Novin M, **Sadeghi MR**, Akhondi M, Modarresi MH. Testis Specific Gene 10 expression in the testes of patients with non-obstructive azoospermia. *Medical Journal of Reproduction & Infertility*. 2006;7(3):179-186.
91. Jalali M, Shahram F, Aryaeian N, Zeraati H, **Sadeghi MR**, Akhlaghi A, Ziaee N, Fatehi F, Chamari M. Blood antioxidant enzyme levels in patients with Rheumatoid Arthritis. *Tehran University Medical Journal*. 2006;64(8):81-89.
92. Hodjat M, Talebian A, Ghods R, Shabani A, Akhondi MM, **Sadeghi MR**. Purification of ubiquitin and production of specific antibody directed against it. *Iranian Journal of Biology*. 2006;19(3):251-263.
93. Arefi S, Akhondi MA, **Sadeghi MR**, Jeddi-Tehrani M, Heidari M, Talebian A, Bayat AA, Sadeghpour Tabaei A. Intrafollicular fluid antigamete antibodies in infertile patient candidates for ICSI. *Medical Journal of Reproduction & Infertility*, 2006;7(2):101-110.
94. Aghvami T, Djalali M, Keshavarz A, **Sadeghi MR**, Zarnani H, Sadozadeh-Yeganeh H, Negahdar M. Plasma level of Antioxidant Vitamins and Lipid Peroxidation in Breast Cancer Patients. *Iranian Journal of Public Health*. 2006;35(1):42-47.
95. Behjati-Ardakani Z, Akhondi MM, **Sadeghi MR**, Sadri-Ardakani H. The necessity of a comprehensive study on abortion in Iran. *Medical Journal of Reproduction & Infertility*. 2005;6(4):299-320.
96. Arabi M, Soltan ghoraee H, Aarabi M, Behjati-Ardakani Z, Amirjannati N, Ghaffari M, **Sadeghi MR**, Modarresi MH. Expression of synaptonemal complex protein 3 (SYCP3)mRNA in the testis: a molecular marker for spermatogenesis in azoospermic men. *Medical Journal of Reproduction & Infertility*. 2006;6(5):495-504.
97. Djalali M, Abtahi H, **Sadeghi MR**, Negahdar M, Layegh H, Farzamie B, Fatehi F. A New Method for the Purification of Cu-Zn Superoxide Dismutase from Human Erythrocytes. *Iranian Journal of Public Health*. 2005;34(4):58-66.

98. Negahdar M, Djalali M, Abtahi H, **Sadeghi MR**, Aghvami T, Javadi E, Layegh H. Blood Superoxide Dismutase and Catalase Activities in Women Affected With Breast Cancer, Iranian Journal of Public Health. 2005;34(3):39-43.
99. Akhondi MM, Torkabadi E, Bayat AA, Haidari M, Ghodes M, **Sadeghi MR**, Dizaji A, Shokri F, Jeddi-Tehrani M. Monoclonal Antibody Production against Human Spermatozoa Surface Antigens. Journal of Shahid Sadoughi University of Medical Sciences and Health. 2005;13(4):36-50.
100. Talebian A, **Sadeghi MR**, Sadri-Ardakani H, Bolourzadeh M, Akhondi MM. The assessment and comparison of different media and methods of sperm cryopreservation (sperm banking). Medical Journal Of Reproduction & Infertility. 2005;6(2):140-152.
101. Zarnani AH, Mohammadzadeh A, Ghaffari M, Arefi S, Modarresi MH, Shokri F, Dokuhaki P, **Sadeghi MR**, Akhondi MM, Gharehbaghian A, Jeddi-Tehrani M. A case report of recurrent hydrops fetalis due to maternal alloimmunization with Kell antigen. Journal of Blood. 2005;2(3):59-64.
102. Behjati-Ardakani R, **Sadeghi MR**, Ghods R, Bayat AA, Jeddi-Tehrani M. Extraction and purification of Ferretin from liver Tissue. Journal of Babol Medical Sciences University. 2005;7(1):14-21.
103. Mahmoodi SAR, Ghods R, Zarnani AH, Heidari M, Bayat AA, Mirzadegan (Torkabadi) E, Akhondi MM, Parivar MK, Jeddi-Tehrani M, **Sadeghi MR**. Characterization of a human spermatozoa surface antigens recognized by HS56 monoclonal antibody. Medical Journal of Reproduction & Infertility. 2004; 5(4):290-298.
104. Talebian A, Sedghzar M, Amir-Jannati N, Sadri-Ardakani H, Akhondi MM, **Sadeghi MR**. Effect of time on antisperm antibody production in vasectomies male. Journal of Immunology. 2004;419-423.
105. **Sadeghi MR**, Talebian A, Jalali M, Jeddi-Tehrani M, Akhondi MM. AN ELISA Method for detection of antisperm antibody. Journal of Immunology. 2004;231-237.
106. Talebian A, Zarnani AH, Jeddi-Tehrani M, Akhondi MM, Jalali M, **Sadeghi MR**. Designing an ELISA method using sperm surface antigens for detection of antisperm antibody in comparison with sperm MAR test. Medical Journal of Reproduction & Infertility. 2004;5(1):23-34.
107. Ghaffari M, Sarani SA, Warren MA, **Sadeghi MR**. Morphological study of human endometrial polarized cell culture RE: The implication for study of human implantation. Journal Medical Sciences University of Shahid Sadoughi (Infertility Special Issue). 2000;8(3):3-11.
108. Akhondi MM, Ghaffari Novin M, Ashrafi M, Shahrokh Tehrani E, Moeini A, Maadani T, **Sadeghi MR**, Karimian L. Intracytoplasmic sperm injection (ICSI) of one and two day(s)- old oocytes after complete in vitro fertilization (IVF) failure. Medical Journal of Reproduction & Infertility. 2000;1(3): 23-29.
109. **Sadeghi MR**, Akhondi MA, Zahraei M. Role of Sperm surface proteins with epididymal origin on fertilization. Medical Journal of Reproduction and Infertility. 2000;1(3):43-54.
110. **Sadeghi MR**, Akhondi MM, Zahraei M. Identification of effective proteins in fertilizing ability of spermatozoa with epididymal epithelial cells origin. Journal of Research in Medical. 2001;24(4):305-318.

II. Books:

1. Akhondi MA, **Sadeghi MR**. The necessity of assisted reproductive technology (ART) in human reproduction. Modern Human Reproductive Techniques from the View of Jurisprudence & Law (Book chapter). 2000; 1, 18-35.

2. Akhondi MM, Amir Janati N, Hedari M, Sadeghi MR, Sadri-Ardakani H, Gaffari M, Mohamadzadeh M, Maleki H. Assisted Reproduction Laboratory. Avicenna Research Institute (ACECR). 2005.
3. Akhondi MA, Sadeghi MR. The necessity of assisted reproductive technology (ART) in human reproduction. *Modern Human Reproductive Techniques from the view of Jurisprudence & Law*. 2002: 18-39

Abstracts (Journals & Conference):

International Presentation:

1. Savadi shirazi E, Edalat khah H, Heidari-vala H, Pilatz A, Akhondi Mm, **Sadeghi MR**. Considerable correlations between sperm chromatin integrity and sperm specific mRNA transcripts (PRM1, PRM2 & TNP2) in male partner of couples with recurrent pregnancy loss. The paper presented at the The 8th Congress of the European Academy of Andrology. 15-17 October 2014, Barcelona, Spain .(poster)
2. Maleki H, Kamali K, Tayebi M, **Sadeghi MR**, Babania A. The project management profile based on PMBOK: A Medical research centre (case study). 5th Annual American Business Research Conference. 6-7 June 2013, New York, USA .(Oral)
3. Torabi F, Heidari Vala H, Akhondi MM, Lakpour N, Zarnani AH, Mahmoudian J, Mahmoudi AR, **Sadeghi MR**. Fibronectin on the Surface of Human Spermatozoa: A New Marker of Sperm Quality. 7TH European Congress of Andrology (ECA). 28 November-1 December 2012. Berlin, Germany.(poster)
4. Meyfour A, Lakpour N, Akhondi MM, **Sadeghi MR**. Proteomic Analysis of Seminal Plasma from Normozoospermic and non-obstructive Azoospermic (NOA) Men to Discover New Markers. 7TH European Congress of Andrology (ECA). 28 November-1 December 2012. Berlin, Germany.(poster)
5. Torabi F, Safarpour E, Lakpour N, Akhondi MA, Amini N, Zarnani AH, Heidari-Vala H, **Sadeghi MR**. Production and characterization of polyclonal antibody against fibronectin for its detection on the surface of human spermatozoa. Molecular Immunology & Immunogenetics congress (MIMIC2012), 27-29 April 2012. Antalya, Turkey. (Oral)
6. Maleki H, Monavarian A, Rafinejad J, Biglarian A, **Sadeghi MR**, Olia P. The organizational culture profile based on Denison model, A case study: Medical research centers. The Advances in Business-Related Scientific Research Conference (ABSRC), 28-30 March 2012. Venice, Italy. (Oral)
7. Maleki H, Monavarian A, Rafinejad J, Biglarian A, **Sadeghi MR**, Olia P. The organizational culture profile of medical research centers, based on Denison organizational culture model. World Business, Economics and Finance Conference. 26- 27 September 2011. Bangkok, Thailand. (Oral)
8. Najarzadeh A, **Sadeghi MR**, Shidfar F, Vafa MR, Amirjannati N, Gohari MR, Akhondi MM. Effect of coenzyme Q10 supplementation on semen parameters and oxidative stress in infertile men. 7th Asia Pacific conference on clinical nutrition (7th APCCN 2011). 5-8 June 2011. Bangkok, Thailand. (Oral)
9. Savadi shirazi E, **Sadeghi MR**, Talebi S, Edalatkhah H, Maleki H, Akhondi MM. Male infertility and effects of genetic feature of sperm morphology on it. 1st World Congress of Obstetrics,

10. Savadi shirazi E, **Sadeghi MR**, Edalatkhah H, Zarei S, Akhondi MM. Andrology smoking has relation with sperm – maturation via the change of mRNA copy numbers for spermiogenesis specific genes (protamins). 1st World Congress of Obstetrics, Gynaecology and Andrology. 19-22 March 2011. London. (Poster)
11. Amini L, Maleki H, Arefi S, Jahanfar S, **Sadeghi MR**, Kamali K, Tayebi M. Phenotypic spectrum of Iranian women suffering from PCOS. 1st World Congress of Obstetrics, Gynaecology and Andrology. 19-22 March 2011. London. (Poster)
12. Heidari M, Maleki H, Tayebi M, Akhondi MM, **Sadeghi MR**, Khondzadeh S, Ramezanzadeh F. Knowledge, Attitude and Performance of couples Referred to an Infertility Treatment Centers of Tehran toward use of Herbal Medicine. 14th world congress of Gynecological Endocrinology. 4-7 March 2010., Firenze, Italy. (Poster)
13. Savadi Shirazi E, **Sadeghi MR**, Talebi S, Edalatkhah H, Rabbani H, Akhondi MA, Asgharpour L, Beyk B. The relationship between the mRNA levels of spermiogenesis specific genes (PRM1, PRM2 & TNP2) and normal morphology of mature sperm. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
14. Sabetian S, **Sadeghi MR**, Akhondi MA, Amirjannati N, Hodjat M, Lakpour N. Comparing seminal plasma markers in normospermic and azospermic men. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
15. Raigani M, **Sadeghi MR**, Yaghmaei B, Rabbani H, Akhondi MA, Lakpour N, Hodjat M, Rezaie G. Frequency of single nucleotide polymorphism of methylenetetrahydrofolate reductase (MTHFR) gene in oligoasthenoteratozoospermic (OAT) and normozoospermic men. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
16. Jafarian A, Akhondi MA, Pezhhan N, **Sadeghi MR**, Salehkhoh Sh. Effect of the Estradiol and FSH hormones on regeneration of spermatogenesis after chemotherapy. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
17. Mirfeizollahi A., **Sadeghi M.R.**, Akhondi M.A., Hodjat M., Farivar S.H., Modaresi M.H. GSTM1 and GSTP1 genes polymorphisms and glutathione S-transferase activity in Iranian infertile men. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
18. Lakpour N, **Sadeghi MR**, Kharrazi H, Hodjat M, Akhondi MA, Amirjannati N. Evaluating effective causes in sperm DNA damage: abnormal packing due to underprotamination as a key reason. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Poster)
19. Jafarian A, Akhondi MA, Pezhhan N, **Sadeghi MR**, Salehkhoh Sh. Transplantation of spermatogonial stem cell suspension through rete testis of azospermic mice. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Oral)
20. **Sadeghi MR**, Hodjat M, Akhondi MA, Hossaini Jadda H, Arefi S, Amirjannati N, Bolurzadeh M. Comparison of chromatin status and fertilizing ability between epididymal and ejaculated human spermatozoa. The proceedings of the Third Asia-Pacific Forum on Andrology (3APFA). 10-13 October, 2009. Nanjing, China. (Oral)

21. M. Ardekani A, Jabbari S, **Sadeghi MR**, Amirjanati N, Habibi AE, Lakpour N, Hodjat M, Akhondi MM. Phosphoproteomic pattern in normozoospermic and infertile teratozoospermic men. HURO 2009 World Congress. 26-30 September, 2009. Toronto, Canada. (Poster)
22. Aslani F, **Sadeghi MR**, Modaresi MH, Akhondi MM, Hodjat M. Germ Cell specific transcripts in semen: non- invasive molecular markers. International Workshop Molecular Andrology. 8-10 May, 2009. Altes schloss Giessen, Germany. (Poster)
23. Heidari M, Amiri F, **Sadeghi MR**, Akhondi MA. Evaluation of the effects of Rosmarinus officinalis extract on the reproductive system of male rats. International Workshop Molecular Andrology. 8-10 May, 2009. Altes schloss Giessen, Germany (Poster)
24. **Sadeghi MR**, Modarresi MH, Akhondi MM, Aslani F. DAZ and PRM2 transcripts in semen: non-invasive molecular markers. 13th World Congress on Human Reproduction. 5-8 March 2009, Venezia, Italy.(Poster)
25. Heidari M, Jamsedi AH, Ghaffari M, **Sadeghi MR**, Akhondi MA, Ghazi Khansari M. Evaluation antifertility effect of crude extract on of Centella Asiatica on male rat In Vivo. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Oral)
26. Aslani F, **Sadeghi MR**, Modaresi MH, Shabani A, Arabi M, Hodjat M. Expression profile of testis specific genes in the ejaculated spermatozoa. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Oral)
27. **Sadeghi MR**, Aslani F, Modaresi MH, Shabani A, Arabi M, Hodjat M. Comparison of molecular and histopathologic approaches in analyzing spermatogenesis status in men with non – obstructive azoospermia. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Poster)
28. Lakpour N, Kharrazi H, Jafarian A, Hodjat M, Savadi Shirazi E, Akhondi MM, Modaresi MH, **Sadeghi MR**. Relationship between oxidative stress and sperm DNA damage in men of normozoospermia and abnormal sperm parameters. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Poster)
29. **Sadeghi MR**, Hodjat M, Akhondi M, Mobaraki M, Savadi Shirazi E. The predictive value of four different sperm chromatin assays for the outcome of ICSI. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Poster)
30. Naghibi Harat Z., Sadeghipour H.R., **Sadeghi M.R.**, Kamalinejad M., Eshraghian M.R. Coumarines effects on human sperm motility. 14th Annual Meeting of MEFS. 31 Oct - 3Nov, 2007. Antalya, Turkey. (Poster)
31. Pacey AA, Safarpour E, Parivar K, **Sadeghi MR**, Akhondi MM, Jeddi-Tehrani M, Shokri F. The study of effects of growth factors of TGF-beta-2 and BMP-2 on differentiation of mouse embryonic stem cells into cardiomyocyte. Joint Spring Meeting of the Genetics Society and the Societies of the Cell and Developmental Biology. 29th March- 1st Apr, 2007. Heriot – Watt University, Edinburgh. (Poster)
32. Naghibi Harat Zh, **Sadeghi MR**, Sadeghipour HR, Kamali Nejad M, Eshraghian MR. Effect of Ruta graveolens L. aqueous extract on human sperm motility: A promising female and male Contraceptive. 7th Congress of the European Society of Gynecology, 10-13 October 2007, Paris, France. (Poster)
33. Aarabi M, Soltan Ghoraee H, Amir Jannati N, **Sadeghi MR**, Sadri Ardakani H, Akhondi MM, Modarresi MH. Testicular expression of testis specific gene A10 (TSGA10) mRNA in patients with non-obstructive azoospermia. 7th Congress of the European Society of Gynecology, 10-13

October 2007, Paris, France.(Poster)

34. Aarabi M, Soltan Ghoraee H, Amir Jannati N, **Sadeghi MR**, Sadri Ardekani H, Akhondi MM. Testicular expression of NYD- SP5 mRNA in patients with non-obstructive azoospermia. 7th Congress of the European Society of Gynecology, 10-13 October 2007, Paris, France . (Poster)
35. Hodjat M, **Sadeghi MR**, Akhondi MM, Mobaraki M. Increased sperm ubiquitination correlate abnormal chromatin integrity. 7th Congress of the European Society of Gynecology, 10-13 October 2007, Paris, France.(Poster)
36. Nouri M,Ghaffari Novin M,Heidari M,**Sadeghi MR**,Akhondi M. Study of attachment and invasion of human embryo in vitro.Indo –French Congress on Gynecologic Endoscopy, Infertility and Ultrasound. 23rd -26th Nov, 2006.Varanasi, India. (Poster)
37. Arefi S, AkhondiMM, Zonobi M,Mohammadzadeh A, Ghaffari M, Tokhmechi R, **Sadeghi MR**.The value of hysteroscopy in patients having failed VF/ICSI transfer cycles. XVIII FIGO World Congress of Gynecology and Obstetrics 5th-10th Nov, 2006.Kuala Lumpur, Malaysia. (Oral)
38. Sadri Ardekani H, Akhoondi MA, Talebian A, Bolourzadeh M, **Sadeghi MR**. The assessment and comparison of different media and methods of sperm cryopreservation. 14th European Workshop on Molecular and Cellular Endocrinology of the Testis.22-26 Apr, 2006.Bad Aibling, Bavaria, Germany. (Oral)
39. Modarressi MH, Saliminejad K, Aarabi M, Sheidaei M, Soltangharaee H, **Sadeghi MR**,Amir jannati N. Expression analysis of DAZ (deleted in azoospermia) genes in non- obstructive azoospermic patients.22th Annual meeting of European Society of Human Reproduction and Embryology (ESHRE). 18-21 Jun, 2006.Prague,Czech Republic. (Oral)
40. Darvishnia M, **Sadeghi MR**, Shams lahiyani M, Akhondi MM, Hodjat M. Effects of different cryopreservation methods and cryoprotectants on human spermatozoa.22nd Annual meeting of European Society of Human Reproduction and Embryology (ESHRE). 18-21 Jun, 2006.Prague,Czech Republic. (Poster)
41. **Sadeghi MR**, Hodjat M, Akhondi MM, Ghaffari Novin M. increased sperm ubiquitination correlate with routine semen analysis parameters. 22th Annual meeting of European Society of Human Reproduction and Embryology (ESHRE). 18-21 Jun, 2006.Prague,Czech Republic. (Poster)
42. Hodjat M, Talebian A, GhodsR, Shabani A,Akhondi MM,**Sadeghi MR**. Increased sperm ubiquitination correlate with routine semen analysis parameters. International conference on male reproduction and Infertility, Indian, 2005.
43. **Sadeghi MR**,Hodjat M, Talebian A, Gaffari M, Sadri Ardekani H, Akhondi MM. Sperm ubiquitination as a function test correlates with semen parameters. International workshop Molecular Andrology.7-9 Oct,2005.Giessen, Germany. (Poster)
44. Sadri Ardekani H, Mobaraki M, Amirjanti N, Zeraati H,Ghaffari M, Akhondi MM,**Sadeghi MR**. Comparison Semen Parameters and two sperm chromatin structure: as routine diagnostic tests for evaluation male factor infertility.International workshop Molecular Andrology. 7-9 Oct, 2005.Giessen, Germany. (Poster)
45. Mirzadegan (Torkabadi) E,Jeddi-Tehrani M, **Sadeghi MR**,Akhondi MM. Acrosome reaction assay by flow cytometry and comparison with triple staining and quinacrine epifluoresence. 12thinternational congress of Immunology and the 4th annual meeting of FOCIS. 18-23 July, 2004.Montreal,Quebec,Canada. (Poster)

46. Talebian A, Amir Jannati N, Sadri-Ardakani H, Akhondi MM, **Sadeghi MR**. Effect of time on antisperm antibody production in vasectomized male. 12th International Congress of Immunology and 4th Annual Conference of FOCIS. 18-23 July 2004, Montreal, Canada. (Poster)
47. Mirzadegan (Torkabadi) E, Jeddi-Tehrani M, **Sadeghi MR**, Akhondi MM. Characterization of HS80 monoclonal antibody for detection of its antigen on the surface of human sperm. 12th international congress of Immunology and the 4th annual meeting of FOCIS, in Montreal, Canada, 18-23 July, 2004. Montreal, Quebec, Canada. (Poster)
48. Sadri-Ardakani H, **Sadeghi MR**, Akhondi MM. Production of Monoclonal antibody against Surface antigens of human Spermatozoa. Third Congress of Andrology. 11-14 Sep, 2004. Munster-Germany. (Poster)
49. Talebian AA, Sedghazar M, Amir-jannati N, **Sadeghi MR**. Effect of time on antisperm antibody production in vasectomized males. 12th International Congress of Immunology and 4th Annual Conference of FOCIS. 18-23 July, 2004. Montreal, Quebec, Canada. (Poster)
50. **Sadeghi MR**, Talebian AA, Jalali M, Jeddi-Tehrani M, Akhondi MM. An ELISA Method for detection of antisperm antibody. 12th International Congress of Immunology and 4th Annual Conference of FOCIS. 18-23 July, 2004. Montreal, Quebec, Canada. (Poster)
51. Jeddi-Tehrani M, **Sadeghi MR**, Talebian AA, Akhondi MM, Jalali M. Comparison ELISA and SpermMar test for measurement of anti-sperm antibody: case report. The 1st International Center of Cancer Genetics, The 3rd Joint Meeting of the British Andrology Society. 13-16 December, 2003. British Scotland. (Poster)
52. Akhondi MM, **Sadeghi MR**. SpermMar test false positive or ELISA false negative antisperm measurement. 4th COGI Congress, 24-27 April 2003, Berlin, Germany. (Poster)
53. Arefi S, Jahanfar S, Maleki H, **Sadeghi MR**. Ultrasound diagnosis and a twin study of polycystic ovarian syndrome. 11th International congress on human reproduction, Canada, 4 June, 2002. Montreal, Canada. (Poster)
54. Jahanfar S, Arefi S, **Sadeghi MR**, Maleki H. Twin study of polycystic ovarian syndrome. Genetic or Environmental? 18th Annual meeting of the ESHRE. 25 June 2002-22 March 2002, Vienna, Austria. (Poster)
55. **Sadeghi MR**, Akhondi MA, Zahraei M. Identification of rat epididymal secretory proteins with essential role in fertilization. 17th European Society of Human Reproduction and Embryology (ESHRE). 1-5 July 2001, Lausanne, Switzerland. (Oral)
56. Akhondi MA, **Sadeghi MR**, Zahraei M. Identification of Common Proteins Between Epididimal Epithelium and Secretion and Surface of Rat Spermatozoa. 16th European Society of Human Reproduction and Embryology (ESHRE), 21 March 1998-21 March 2002, Bologna, Italy. (Oral)
57. **Sadeghi MR**, Akhondi MM, Zahraei M, Baharvand H. Secreted 20 kDa Protein from Rat Epididymal Epithelium has a Critical Role in Fertilization. Joint UK Fertility Societies Meetings fertility. 31 July-2 August, 2000. Edinburgh. (Poster)
58. Akhondi MA, **Sadeghi MR**, Zahraei M. Identification of Common Proteins between Epididimal Epithelium and Secretion and Surface of Rat Spermatozoa. MEFS, Sharmoshaykh Egypt, 1999. Bologna, Italy. (Oral)

National presentations:

1. Darbandi S, Darbandi M, Heidari M, **Sadeghi MR**, Parizadeh MR, Ghayourmobarhan M, Owji AA, Mokrem P, Zhao B, Gordon F. If Body Electro Acupuncture Can Be Used For Obese Impotent Men. The paper presented at the *International Congress on Reproduction*. 23-25 May 2015, Tehran, Iran (Poster).
2. Fathi Z, **Sadeghi MR**, Lakpour N, Mozaffari R, Goharbakhsh L, Akhondi Mm. Selection of the best sperm processing method in leukocytospermia. The paper presented at the 20th national congress on infertility and reproduction. 11-13 June 2014, Iran, Isfahan .(Poster)
3. Lakpour N, Amir jannati N, Shani S, Akhondi Mm, Fathi Z, Bolourzadeh M, Saadaei jahromi N, **Sadeghi MR**. Influence of 3-hour abstinence on sperm DNA fragmentation and the maturity of sperm chromatin. The paper presented at the 20th national congress on Infertility and Reproduction. 11-13 June 2014, Iran, Isfahan.(Poster)
4. Badehnoosh B, Mohammad zadeh A, **Sadeghi MR**, Akhondi Mm, Kazem nejad S, Arjmand F, Zafardust S, Fatemi F, Mokhtar S. The effects of intrauterine injection of human chorionic gonadotropin (hCG) before embryo transfer on the implantation rate in the intracytoplasmic sperm injection (ICSI) program. The paper presented at the 20th National congress on Infertility and Reproduction. 11-13 June 2014, Iran, Isfahan .(Oral)
5. Khanaki K, **Sadeghi MR**, Abedinzadeh M, Akhondi Mm, Shaabani M. Effect of long-chain fatty acids on secretory phospholipase A2IIa of ectopic and matched eutopic endometrial cells in the culture media. The paper presented at the 12th international congress of immunology & allergy iran. 29 April 2014-2 May 2014, Tehran, Iran .(Poster)
6. Meyfour A, Rezaie Tavirani RT, **Sadeghi MR**. Separation of Sperm Cell Proteins from Fertile and infertile men Usind SDS-PAGE Technique. 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion. 25-26 February 2013, Tehran, Iran.(Poster)
7. Meyfour A, Rezaie Tavirani RT, **Sadeghi MR**. Resolution Comparison of Small and Large Gels in Two-Dimensional Gel Electrophoresis. 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion. 25-26 February 2013, Tehran, Iran.(Poster)
8. Meyfour A, Rezaie Tavirani RT, **Sadeghi MR**. Common Proteomic Technologies, Applications, and their Limitations. 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion. 25-26 February 2013, Tehran, Iran.(Poster)
9. Meyfour A, Rezaie Tavirani RT, **Sadeghi MR**. Total Protein Extraction with High Concentration from the sperm Cells of Fertile and Infertile Men. 2nd National Seminar on the Role of Medical Basic Sciences on Health Promotion. 25-26 February 2013, Tehran, Iran .(Poster)
10. Eghbali M, Modarresi MH, Lakpour N, Edalat khah H, Zeraati H, Soltan Ghorae H, Akhondi MM, **Sadeghi MR**. Spermatogenesis assessment using testis specific gene expression. 5th Yazd International Congress and Student Award in Reproductive Medicine, 19-21 April 2013, Tehran, Iran.(Poster)
11. Fathi Z, **Sadeghi MR**. Endometriosis and the Egg and Embryo Quality. 2nd National Congress on Endometriosis. 22-24 January 2013, Tehran, Iran. (Oral)

12. Gilani K, Vafakhah M, Lakpour N, **Sadeghi MR**. Protein-Protein Interaction in human seminal plasma proteome using Cytoscape: A gold mine of biomarker for male infertility. Fourth Iranian Conference on Bioinformatics. 6-7 November 2012, Tehran, Iran.(Poster)
13. **Sadeghi MR**. Quality control and risk management in Embryology Department, Infertility clinic. Second National Symposium in Reproductive Biology. 17-18 October 2012, Yazd, Iran .(Oral)
14. **Sadeghi MR**. Application of stem cell in infertility treatment. The paper presented at the The first Seminar in Research and therapeutic applications of Stem cells. 0, 1-2 November 2012, Mashhad, Iran . (Oral)
15. Abtahi H, Shabani M, Jameie B, Zarnani AH, Talebi S, Lakpur N, Edalatkhah H, Akhondi MM, Amiri M,**Sadeghi MR**. Regulation of luteinizing hormone receptor in hippocampal neurons following different long-lasting treatments in castrated adult rat. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology ‘6-9th September 2011 ‘Mashhad,Iran (Poster)
16. Zand Emami M, Ghoojagh D, Akhondi MM, Kamali K, **Sadeghi MR**. Chromomycin A3 correlate with aniline blue; sperm staining methods to evaluation of protamine deficiency. 12th Iranian Congress of Biochemistry and 4th International Congress of Biochemistry and Molecular Biology, 6-9 September 2011, Mashhad, Iran. (Poster)
17. Abtahi H, **Sadeghi MR**, Shabani M, Edalat khah H, Hadavi R, Akhondi MM, Talebi S. The effect of GC distribution on melting curve analysis in real-time PCR. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Poster)
18. Khanaki K, Nouri M, Rahimpour A, Motevally Zadeh Ardekani A, **Sadeghi MR**, Ghasem Zadeh A, Shahnazi V, R Imani, Saremi A, Darabi M. Effect of ω -3 and ω -6 polyunsaturated fatty acids administration on secretory phospholipase A2 type IIa level and cell survival in ectopic and eutopic endometrial cell cultures in patients with endometriosis. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Oral)
19. Jabbari S, Motevally Zadeh Ardekani A, **Sadeghi MR**, Akhondi MM, Ebrahim Habibi A. Tyrosine phosphorylation pattern in sperm proteins isolated from fertile and infertile teratospermic men. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Poster)
20. Khanaki K, Nouri M, Motevally Zadeh Ardekani A, Ghasem Zadeh A, Shahnazi V, **Sadeghi MR**, Darabi M, mehdizadeh -, Saremi A, R Imani -, Rahimpour A. Study of association between omega-3 and omega-6 polyunsaturated fatty acids with endometriosis. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Poster)
21. Idali F,Zarei S,Zarnani AH,**Sadeghi MR**,Mohammadzadeh A,Torabi R,Akbarzadehpasha Z,Jeddi-Tehrani M. Plasminogen activator inhibitor 1 and methylene tetrahydrofolate reductase gene mutations in iranian women with polycystic ovary syndrome .9th International Congress on Obstetrics and Gynecology.8-11th Novamber2011 .Tehran, Iran. (Poster)
22. Amir Jannati N, Heidari-Vala H, Akhondi MM, Hosseini Jadda H, Kamali K, **Sadeghi MR**. Comparison of ICSI outcomes between sperm retrieved from testicular biopsy and ejaculation in cryptozoospermic men. 9th Internation Congress on Obstetrics and Gynecology. 8-11 November 2011, Tehran, Iran.(Oral)

23. Torabi F, Safarpour E, Akhondi MM, Lakpour N, Mirzadegan (Torkabadi) E, Ghadimi M, **Sadeghi MR**. Fibronectin Distribution Changes on the Surface of Human Spermatozoa following Capacitation. 9th International Congress on Obstetrics and Gynecology. 8-11 November 2011, Tehran, Iran.(Poster)
24. Nadjarzadeh A,**Sadeghi MR**, Shidfar F, Amirjanati N, Vafa MR, Gohari MR, Akhondi MM.Effect of ubiquinone supplementation on seminal oxidative status of infertile men with oligoasthenoteratozoospermia. 4th Yazd International Congress and Student Award in Reproductive Medicine.15-17 April 2011. Yazd,Iran. (Oral)
25. Naderi MM, Hossein F, Gholizadeh Farab M, **Sadeghi MR**, Akhondi MM. Ethics in animal experiments. Second International Congress of Bioethics. 5-7 February 2011.Tehran, Iran. (Poster)
26. Zargary M, Salimi Nejad K, Shah Hoseini MH, **Sadeghi MR**, Khorram Khorshid HR. Fetal sex determination using nested PCR and real-time PCR analysis of fetal DNA in maternal plasma of pregnant women during 6th-10th weeks of gestation. 2th Iranian Congress of Medical Genetics. 20-21 June 2011, Tehran, Iran. (Oral)
27. Esmaeil zadeh A, Salimi Nejad K, **Sadeghi MR**, Bayan alhagh S, Hoseini SM, Moharez M, Edalat khah H, Bayati S, Jamshidian F, Zargary M, Akhondi MM, Khorram Khorshid HR. Evaluation of sperm washing of HIV infected semen in using nested PCR. 2th Iranian Congress of Medical Genetics. 20-21 June 2011, Tehran, Iran. (Oral)
28. Amini L, **Sadeghi MR**, Oskouei F, Kamali K, Maleki H. Lipid subgroups in Iranian women with hirsutism. 1st International and 3rd Iranian Congress of Endocrine & Metabolism Updates. 30 November- 3 December 2010. Isfahan, Iran. (Poster)
29. Akhondi MA, **Sadeghi MR**, Ghorbani B, Behjati Ardekani Z. Infertility and social problems. The First National Congress on Urban Health, 24-25 April 2010, Tehran, Iran. (Oral)
30. Soleimani M, Babashamsi M, Yaghmaei B, **Sadeghi MR**, Raygani M, Karimi Z. Efficiency assesment of DHPLC and PCR-RFLP methods in detection of C677T mutation in MTHFR gene. 16th National and 4th International Conference of Biology, Ferdowsi University of Mashhad. 14-16 September 2010. Mashhad, Iran. (Poster)
31. Solltangharae H, Pourkeramati F, Khorram khorshid HR, **Sadeghi MR**, Sadeghi Tabar A, Davodi F. PLAP marker in testicular biopsy of Iranian men by immunohistochemistry method for early diagnosis of testicular carcinoma in situ. 11th Royan International Congress on Reproductive Biomedicine. 15-17 September 2010. Tehran, Iran.(Oral)
32. Amini L, **Sadeghi MR**, Oskouie SFH, Jahanfar S, Maleki H, Hamzezadeh H. Lipid profile in women with Polycystic Ovary Syndrome (PCOS): A Comparative study. 11th Royan International Congress on Reproductive Biomedicine. 15-17 September 2010. Tehran, Iran. (Poster)
33. Zandemami M, **Sadeghi MR**, Qujeq D, Akhondi MM, Hodjat M. Protamine deficiency as a cause or effect of decreased semen quality. 16th Congress of Iranian Society for Reproductive Medicine. 3-5 March 2010. Shiraz, Iran. (Oral)
34. Heidari M, Maleki H, Tayebi M, Akhondi MM, **Sadeghi MR**, Akhonzadeh Sh, Ramezanzadeh F, Bagheri M, Abouzar S. Knowledge, attitude and factors referred to an infertility treatment centers in Tehran to use plants. 16th Congress of Iranian Society for Reproductive Medicine. 3-5 March 2010. Shiraz, Iran.(Oral)
35. **Sadeghi MR**. Management of physico-chemical factors in an assisted reproductive technology laboratory. 16th Congress of Iranian Society for Reproductive Medicine. 3-5 March 2010. Shiraz,

Iran. (Oral)

36. Raigani M, **Sadeghi MR**, Akhondi MA, Amir Jannati N, Soleimani Badia M. Impacts of MTHFR polymorphism on the effects of folic acid and zinc sulfate supplementations in OAT men. Abstracts of 16th Congress of Iranian Society for Reproductive Medicine. 3-5 March 2010. Shiraz, Iran. (Oral)
37. HekmatDoost A, **Sadeghi MR**. Testicular Tissue Freezing. The 1st Congress on Fertility Preservation, Jan 13-14, 2010, Tehran, Iran. (Poster)
38. Naderi MM, Sarvari A, **Sadeghi MR**, Akhondi MM. Cryobiology and Fertility Preservation. The 1st Congress on Fertility Preservation, Jan 13-14, 2010, Tehran, Iran. (Poster)
39. AmirJannati N, **Sadeghi MR**, Hoseini Jadda SH, Ranjbar F, Kamali K, Akhondi MA. A study of Semen Parameters of cancer Patients before Sperm Cryopreservation with emphasis on Fertility Preservation. The 1st Congress on Fertility Preservation, Jan 13-14, 2010, Tehran, Iran. (Poster)
40. HekmatDoost A, **Sadeghi MR**. A Review on Sperm Cryopreservation. The 1st Congress on Fertility Preservation, Jan 13-14, 2010, Tehran, Iran. (Oral)
41. Jafarian A, Akhondi M.A, Pezhhan N, **Sadeghi MR**, Zarnani AH, Salehkhoush. Spermatogonial stem cell transplantation in azoospermic mice. 2nd International and 7th National Congress on Quality Improvement in Clinical Laboratories. 20-23 April 2009, Tehran, Iran. (Oral)
42. M. Ardekani A, Jabbari S, **Sadeghi MR**, Amir Janati N, E. Habibi A, Lakpour N, Hodjat M, Akhondi MA. Induction of protein tyrosine phosphorylation during capacitation in the spermatozoa of normozoospermic men. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November, 2009. Tehran, Iran. (Poster)
43. Jafarian A, Pejhan N, **Sadeghi MR**, Salehkhoush. Transplantation of spermatogonial stem cell suspension through rete testis of mice after chemotherapy. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November, 2009. Tehran, Iran. (Poster)
44. Jabbari S, M. Ardekani A, **Sadeghi MR**, Amir Janati N, E. Habibi A, Lakpour N, Hodjat M, Akhondi MA. Tyrosine phosphorylation pattern in sperm proteins isolated from normozoospermic and infertile teratozoospermic men. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November, 2009. Tehran, Iran. (Oral)
45. Raigani M, **Sadeghi MR**, Sabetian S, Yaghmaei B, Akhondi MA, Beigi Harchegani A, Hodjat M. Comparison of seminal folate and vitamin B12 between normozoospermic and azoospermic men. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology. 16-19 November, 2009. Tehran, Iran. (Oral)
46. Heidari M, Maleki H, Tayebi M, Akhondi MA, **Sadeghi MR**, Akhonzadeh Sh, Ramezanzadeh F, Bagheri M. Knowledge, Attitude and Practice of couples Referred to an Infertility Treatment Centers of Tehran toward use of Herbal Medicine. 8th International Congress on Obstetrics and Gynecology, 5-9 November 2009, Tehran, Iran. (Poster)
47. Raygani M, **Sadeghi MR**, Akhondi MA, Amirjannati N, Savadi Shirazi E, Asgharpour L. Effect of folic acid and zinc sulfate supplementation on sperm functional parameters in infertile male. 8th International Congress on Obstetrics and Gynecology, 5-9 November 2009, Tehran, Iran. (Oral)
48. Raygani M, **Sadeghi MR**, Akhondi MA, Amirjannati N, Lakpour N. Comparison single nucleotide polymorphisms of C677T in MTHFR gene and A66G in MTRR gene between oligoasthenoteratozoospermic and normozoospermic men. 8th International Congress on Obstetrics and Gynecology, 5-9 November 2009, Tehran, Iran. (Oral)

49. Jafarian A, Akhondi MA, Pezhhan N, **Sadeghi MR**, Zarnani AH, Salehkhoh Sh. Spermatogonial stem cell transplantation in azoospermic mice. 2nd International and 7th National Congress on Quality Improvement in Clinical Laboratories. 20-23 April 2009. Tehran, Iran. (Oral)
50. Mirfeizollahi A, **Sadeghi MR**, Farivar Sh, Hodjat M, Akhondi MA, Lakpour N. GSTM1 genetic polymorphism and glutathione S-transferase activity in Iranian infertile men. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 Feb 2009, Tehran, Iran. (Oral)
51. Savadi Shirazi E, **Sadeghi MR**, Bahmani M, Edalatkhah H, Rabbani H, Akhondi MA, Hodjat M. Quantification of protamines 1, 2 and transition protein 2 transcript contents in human spermatozoa and their relation with sperm morphology. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
52. Amirjannati N, Akhondi MM, Ghorbani B, **Sadeghi MR**, Jeddi-Tehrani M. Sexual and hormonal function of patients with non-obstructive azoospermia with the chief complaint of Infertility. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
53. Raigani M, **Sadeghi MR**, Yaghmaei B, Akhondi MA, Lakpour N, Hodjat M, Rezaei Farmani A. Comparison of C677T polymorphism of the methylenetetrahydrofolate reductase (MTHFR) gene in oligo-asthenozoospermic (OAT) and normozoospermic Iranian men. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
54. Jafarian A, Akhondi MM, **Sadeghi MR**, Salehkhoh Sh. Effect of the female hormone 'Estradiol' and FSH on regeneration of spermatogenesis after chemotherapy. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
55. Aslani F, **Sadeghi MR**, Modarresi MH, Akhondi MM, Soltanghorae H. DAZ and PRM2 transcripts in semen: Non-invasive molecular markers. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
56. Lakpour N, **Sadeghi MR**, Kharrazi H, Akhondi MM, Motevallizadeh-Ardekani A., Hodjat M. Relationship between reproductive hormones and oxidative stress with sperm DNA integrity. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
57. **Sadeghi MR**, Hodjat M, Akhondi MM, Bolurzadeh M. Comparison of chromatin integrity and fertilization ability between epididymal and ejaculated spermatozoa. 15th Congress of Iranian Society for Reproductive Medicine, 18-20 February 2009, Tehran, Iran. (Oral)
58. Jabbari S, **Sadeghi MR**, Ebrahim Habibi A, Lakpour N, Hodjat M, Asgharpour L, Akhondi MM, Motevally Zadeh Ardekani A. Phosphoproteomic pattern of capacitated sperm cell in normozoospermic and infertile teratozoospermic men. 10th Congress on Reproductive Biomedicine and 5th Congress on Stem Cell Biology & Technology (Royan International Twin Congress), 23-25 September 2009, Tehran, Iran. (Poster)
59. **Sadeghi MR**. Embryo Culture media and their role in ART outcomes. 1st International Symposium and Workshop on Clinical Embryology, 22-23 November 2008, Yazd, Iran. (Oral)
60. Kokab AA, Eley A, Akhondi MM, **Sadeghi MR**, Modarresi MH, Jennings R, Pacey A. Raised inflammatory markers in semen from men with asymptomatic chlamydial infection. The 8th Royan International Twin Congress. Tehran, Iran, 5-7 Sept, 2007. (Oral)
61. **Sadeghi MR**, Hodjat M, Akhondi MA, Mobaraki M. Predictive value of the sperm chromatin assay for the outcome of ICSI. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Oral)
62. Hodjat M, **Sadeghi MR**, Akhondi A, Mobaraki M. Ubiquitin-dependent quality control system has

the ability to detect spermatozoa with abnormal chromatin integrity. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Oral)

63. Akbarzadeh Najar R, Akhondi MA, Jeddi-Tehrani M, **Sadeghi MR**, Salehkhoh Sh. Spermatogonial stem cell transplantation in mice. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Oral)
64. Aarabi M, Soltanghoraee H, Amirjannati N, **Sadeghi MR**, Akhondi M, Modarressi MH. Testicular expression of NYD-SP5 mRNA in infertile patients. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Oral)
65. Chamani Tabriz L, Zeraati H, Asgari S, Shabestari O, **Sadeghi MR**, Heidari M. Seroprevalence of Toxo in Avicenna Infertility Clinic Lab attendees. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Poster)
66. Aslani F, **Sadeghi MR**, Modarressi MH, Shabani A, Aarabi M. Identification of testis specific genes in human spermatozoa. 7th International Congress on Obstetrics and Gynecology, 9-13 November 2007, Tehran, Iran. (Oral)
67. Naghibi Harat Zh, Sadeghipour HR, **Sadeghi MR**, Kamalinejad M, Eshraghian MR. In vitro effect of aqueous extract *Ruta graveolens* L. on human sperm. 18th Iranian Congress of Physiology & Pharmacology, 26-30 August 2007, Mashhad, Iran. (Oral)
68. Kharrazi H, Lakpour N, **Sadeghi MR**, Vaisi Raygani A, Akhondi MM. Phospholipid hydroperoxide glutathione peroxidase gene polymorphism in Iranian infertile men. 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology, 29 October-1 November 2007, Shiraz, Iran. (Poster)
69. Lakpour N, Kharrazi H, Jafarian A, Hodjat M, Savadi Shirazi E, Akhondi MM, Modaresi MH, **Sadeghi MR**. Relationship between oxidative stress and sperm DNA damage in men with normozoospermia and abnormal sperm parameters. 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology, 29 October-1 November 2007, Shiraz, Iran. (Poster)
70. Aslani F, **Sadeghi MR**, Modaresi MH, Shabani A, Arabi M. Identification and analysis of the genes expressed in the ejaculated spermatozoa. 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology, 29 October-1 November 2007, Shiraz, Iran. (Poster)
71. **Sadeghi MR**, Hodjat M, Akhondi MA, Mobaraki M. Abnormal chromatin integrity may serve as a signal for sperm ubiquitination. 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology, 29 October-1 November 2007, Shiraz, Iran. (Poster)
72. Aslani f, **Sadeghi MR**, Modarressi MH, Shaabani A, Arabi M. Evaluation of testis specific genes in human ejaculated spermatozoa. 7th International Congress on Obstetrics and Gynecology. Tehran, Iran, 9-13 Nov, 2007.
73. Chamani L, Zeraati H, Asghari S, Shabestari O, **Sadeghi MR**, Heidari M. Seroepidemiology of Toxoplasmosis in women attending to Avicenna Infertility Clinic (AIC). 7th International Congress on Obstetrics and Gynecology. Tehran, Iran, 9-13 Nov, 2007.
74. Lakpour N, Modarresi SMH, Kharrazi H, Akhondi MM, Veisi Raygani A, **Sadeghi MR**, Ghasemi J, Hojat M. polymorphism in phospholipid hydroperoxid Glutathione peroxidase (PHGPx) in Iranian infertile Men. 2th Yazd international student award in Reproductive medicine, Yazd, Iran, 11-13 May,

2007.(Oral).

75. Darvishnia H,**Sadeghi MR**,Shamse Lahijani M,Akhondi MM. Effects of vitrification on human sperm DNA integrity, using cytochemical tests. 9thworld Congress in Controversies in Obstetrics Gynecology and Infertility, Spain, Barselona, 22-25 March, 2007.(Poster)
76. Heidari M, Jamsedi AH, Ghaffari M, **Sadeghi MR**, Akhondi MA, Ghazi Khansari M. Study of antifertility effect of crude extract of Centella Asiatica in male mice. 9th Iranian Congress of Toxicology, Shiraz, Iran,15-17 May, 2007.(Poster)
77. Safarpour E, Parivar K, **Sadeghi MR**, Akhondi MM, Jedi Tehrani M, Shokri F, Zarnani H,Keramatiipoor M. The study of effects of growth factors of TGF-beta-2 and BMP-2 on differentiation of mouse embryonic stem cells into cardiomyocyte. First Iranian Heart Failure Summit, Tehran, Iran, 28 February-2 March, 2007.[Oral].
78. Modarresi MH,Aarabi M,Soltangharaee H,Aarabi M,Behjati R,Amirjannati N,**Sadeghi MR**.Testicular expression of synaptonemal complex protein 3 (SYCP3) mRNA in 110 patients with azoospermia. 13th International Congress of Fertility and Infertility, Tehran, Iran, 21-23 February, 2007. (Oral)
79. Hojat M,**Sadeghi MR**,Akhondi MA,Mobaraki M. Study the correlation of sperm abnormal integrity and sperm ubiquitination. 13th International Congress of Fertility and Infertility, Tehran, Iran, 21-23 February, 2007. (Oral)
80. Lakpour N,Modarresi SMH,Kharazi H,Akhondi MM,Veisi Raygani A,**Sadeghi MR**,Ghasemi J,Hojat M.polymorphism in phospholipid hydroperoxid Glutathione peroxidase (PHGPx) in Iranian infertile Men. 13thInternational Congress of Fertility and Infertility, Tehran, Iran, 21-23 February, 2007. (Oral)
81. Heidari M,Ghaffari M,**Sadeghi MR**,Ghazi Khansari M,Eini L,Jamshidi AH.Effect of extracts of centella asiatica on spermatogenesis and testis in rat. 13thInternational Congress of Fertility and Infertility, Tehran, Iran, 21-23 Feb, 2007.(Poster)
82. Sheikhloo A, Akhondi MM, Jeddi- Tehrani M, **Sadeghi MR**, Mirzadegan (Torkabadi) E. Detection and identification of HS80 antigen on human and other mammalian species spermatozoa by monoclonal antibody. 13th International Congress of Fertility and Infertility. 21-23 February 2007, Tehran, Iran . (Oral)
83. Darvishnia H,**Sadeghi MR**,Shamse Lahijani M,Akhondi MM.The effects of vitrifiacion method on parameters of human sperm. 14th National & 2nd International Conference of Biology, TarbiatModaresUniversity, Tehran, Iran, 29-31 Aug, 2006.(Poster)
84. Arefi S,Akhoondi MM,Zonobi M,Mohammadzadeh A,Ghaffari M,Tokhmechi R,**Sadeghi MR**.Value of hysteroscopy after repeated IVF failures. The 6th International Congress on Obstetrics & Gynecology, Tehran, Iran, 25-29 Nov, 2005. (Oral)
85. Talebian A, Sedgh azar M, Amir Janati N, Sadri Ardekani H, Akhondi MM, **Sadeghi MR**, Talebian A.Effect of time on antisperm antibody production in vasectomized male. The 6th International Congress on Obstetrics & Gynecology, Tehran, Iran, 25-29 Nov, 2005. (Oral)
86. Modarresi SMH, Aarabi M, Soltangharaee H, Aarabi Mn, Behjati R, Amirjannati N, **Sadeghi MR**. Testicular expression of synaptonemal complex protein 3 (SYCP3)mRNA in 110 patients with azoospermia. The 6th International Congress on Obstetrics & Gynecology, Tehran, Iran, 25-29 Nov, 2005. (Oral)
87. **Sadeghi MR**, Akhondi MM, Zeraati H, Amir Janati N. Comparative study of semen analysis and

analysis of sperm chromatin agent for male infertility problem. The 6th International Congress on Obstetrics & Gynecology, Tehran, Iran, 25-29 Nov, 2005. (Oral)

88. **Sadeghi MR**, Akhondi MM, Amir janati N, Ghaffari M, Mobaraki M, Sadri Ardekani H. Comparison routine semen analysis And two methods at sperm chromatin structure assay in male factor Infertility. 6th International Congress on obstetrics and Gynecology, Tehran-Iran, 25-29 Nov, 2005. Tehran, Iran . (Oral)
89. Akhondi MM, Ghaffari M, **Sadeghi MR**, Sadri Ardekani H. Sperm bank and preserving the reproductive potential: current concepts and future prospects. 6th International Congress on obstetrics and Gynecology, Tehran-Iran, 25-29 Nov, 2005. (Oral)
90. **Sadeghi MR**, Akhondi MM, Ghaffari M. Sperm functional tests and its place in evaluation of infertile male. 6th International Congress on obstetrics and Gynecology, Tehran-Iran, 25-29 Nov, 2005.. (Oral)
91. Naseri N, Mossafa N, Pakzad P, Jeddi-Tehrani M, Akhondi MM, **Sadeghi MR**. Effect of inhibin in facility eind infertility.
92. Hodjat M, Talebian A, Ghods R, Akhondi MM, Shabani A, **Sadeghi MR**. Detection of defective sperms by application of specific antibody against ubiquitin. 11th Congress of Fertility and Infertility, Tehran, Iran, 24-25 Feb, 2005. (Poster)
93. Naseri N, Bayat AA, Talebian A, Ghods R, Mosaffa N, Pakzad P, Jeddi-Tehrani M, **Sadeghi MR**. Generation of monoclonal antibody against human inhibin. 11th Congress of Fertility and Infertility, Tehran, Iran, 24-25 Feb, 2005. (Oral)
94. Modarresi T, Parivar MK, **Sadeghi MR**, Mohseni Khochesfehiani H. Detection and separation of the genealogy spermatogenic of testicular tissue. The paper presented at the 13th Iranian Biology Conference & The First International Conference of Biology. Rasht, Iran. 23-25 August 2005, (Poster)
95. Hojjat M, Talebian A, Gods R, Akhondi MM, **Sadegh MR**. Detection of ubiquitin as a protein marker on the sperm surface of oligoasthenoterato- zoospermia. 8th Iranian Congress of Biochemistry and the First international Congress of Biochemistry & Molecular Biology Tehran-Iran, 11-15 Sep, 2005. (Poster)
96. Naseri N, Bayata AA, Talebian A, Ghods R, Mosafa N, Pakzad P, Jeddi-Tehrani M, Akhondi MM, **Sadeghi MR**. Purification of native inhibin from human follicular fluid using monoclonal antibody. 8th Iranian Congress of Biochemistry and the First international Congress of Biochemistry & Molecular Biology, Tehran-Iran, 11-15 Sep, 2005. (Poster)
97. Mirzadegan (Torkabadi) E., Jeddi-Tehrani M., **Sadeghi M.R.**, Pakzad P., Akhondi M.M. Characterization of HS80 Monoclonal Antibody for Detection of Its Antigen on the Surface of Human Sperm. 7th Congress of Immunology & Allergy, Mashhad, Iran, 3-6 May, 2004. (Poster)
98. Mirzadegan (Torkabadi) E, Mahmoudi AR, Jeddi-Tehrani M, **Sadeghi MR**, Pakzad P, Akhondi MM. Characterization of HS80 monoclonal antibody for detection of its antigen on the surface of human sperm. Congress on Immunological Aspects of Fertility and Infertility, Isfahan, Iran, 14-15 Jan, 2004. (Poster)
99. Mahmoodi SAR, Torkabadi E, Heidari M, Ghods R, Zarnani AH, Akhondi MM, Parivar MK, Jeddi-Tehrani M, **Sadeghi MR**. Characterization of sperm surface antigen by 4F7G7 monoclonal antibody. Congress on Immunological Aspects of Fertility and Infertility, Isfahan, Iran, 14-15 Jan, 2004. (Oral)
100. Torkabady E, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**, Pakzad P, Akhondi MM. DNA vaccines and Infertility. Congress on Immunological Aspects of Fertility and Infertility, Isfahan, Iran, 14-15 Jan, 2004. (Oral)

101. Torkabady E, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**, Akhondi MM. Acrosome reaction assay by flow cytometry and comparison with triple staining and Quinacrine epifluorescence. Congress on Immunological Aspects of Fertility and Infertility Isfahan, Iran, 14-15 Jan, 2004. (Poster)
102. Talebian A, Sedghazar M, Amirjannati N, **Sadeghi MR**. Effect of time on antisperm antibody production in vasectomized males. Congress on Immunological Aspects of Fertility and Infertility Isfahan, Iran, 14-15 Jan, 2004.
103. **Sadeghi MR**, Talebian A, Jeddi-Tehrani M, Akhondi MM. ELISA method for detection of antisperm antibody. Congress on Immunological Aspects of Fertility and Infertility, Isfahan, Iran, 14-15 Jan, 2004. (Poster)
104. Behjati R, **Sadeghi MR**, Ghods R, Bayat AA, Jeddi-Tehrani M. Extraction and Purification of Ferritin from Liver Tissue. The 3rd National Biotechnology Congress Islamic Republic of Iran, Mashhad, Iran, 9-11 Sep, 2003. (Oral)
105. Heidari M, Mahmoudi AR, Torkabadi E, Ghods R, Bayat AA, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**, Akhondi MM. Production of monoclonal antibodies against sperm surface antigens and its characterization. The 3rd National Biotechnology Congress, Mashhad, Iran, 9-11 Sep, 2003. (Poster)
106. Talebian A, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**. Designing and ELISA method with sperm Surface antigens for detection of antisperm antibody and comparing it with spermMAR agglutination test. The 3rd National Biotechnology Congress Mashhad, Iran, 9-11 Sep, 2003. (Oral)
107. Talebian A, Zarnani AH, Akhondi MM, **Sadeghi MR**. Designing an ELISA method with sperm surface antigens for detection of antisperm antibody and comparing it with spermMar agglutination test. First Iranian Conference for Cell and Developmental Biology. Tehran, Iran, 13-14 Sep, 2003. (Poster)
108. Heidari M, Bayat AA, Jeddi-Tehrani M, **Sadeghi MR**, Akhondi MM. Production of monoclonal antibodies against sperm surface antigens. First Iranian Conference for Cell and Developmental Biology Tehran, Iran, 13-14 Sep, 2003. (Poster)
109. Mahmoodi SAR, Torkabadi E, Heidari M, Zarnani AH, Jeddi-Tehrani M, **Sadeghi MR**. Characterization of human sperm surface antigens by monoclonal antibody. First Iranian Conference for Cell And Developmental Biology Tehran, Iran, 13-14 Sep, 2003. (Oral)
110. Mahmoudi AR, Torkabadi E, **Sadeghi MR**. Comparison between the rate of effect of different acrosome reaction inducers. First Iranian Conference for Cell and Developmental Biology Tehran, Iran, 13-14 Sep, 2003. (Poster)
111. **Sadeghi MR.**, Akhondi MM, Zahraei M. Identification of effective proteins in fertilizing ability of spermatozoa with epididymal epithelial cells origin. 6th Iranian Congress on Biochemistry Tehran, Iran, 22-25 Oct, 2001. (Oral)
112. **Sadeghi MR**, Akhondi MM, Zahraei M. Separation and identification of sperm maturation factors from epididymis. 1st Iranian Medical Sciences postgraduate Students conference, Tehran, Iran, 20-21 Aug, 2000. (Oral)
113. **Sadeghi MR**. Spermatogenesis and control mechanisms. 5th specialized symposium of fertility and infertility, Tehran, Iran, 24 Feb, 2000. (Oral)
114. **Sadeghi MR**. Leukocytospermia and male infertility. 3rd Specialized Symposium of Fertility and Infertility. 28-28 October 1999, Tehran, Iran. (Oral)

115. **Sadeghi MR.** Spermatogenesis and role of epididymis in fertilizing ability of spermatozoa. Second Seminar in Advanced infertility Diagnosis & Treatment, Tehran, Iran, 1996.

Thesis Supervised:

1. Mokhtar S. ART outcomes in GnRH antagonist protocol (flexible) and long GnRH agonist protocol and comparing them with adding GnRH antagonist in GnRH antagonist (flexible) protocol during early follicular phase in patients with polycystic ovary syndrome undergoing ICSI. Avicenna Infertility Clinic. ACECR, 2012-2014.
2. Jafarbeyg Iravani N. Study the effects of thawing medium supplemented with vitamin E and glutathione on human sperm parameters, function and programmed cell death after freezing. Tehran University, Tehran, Iran, 2011-2012.
3. Eghbali M. Evaluation of focal Spermatogenesis testes of Azoospermia in fertile men via Evaluation presence of testis specific transcripts in semen. Tehran University of Medical Sciences, Tehran, Iran, 2010- 2011.
4. Torabi F. Sperm selection according to molecular markers on spermatozoa surface. Azad University, Sciences and technology Branch, Tehran, Iran, 2010
5. Rayegani M. Effect of folic acid and zinc sulfate supplementation on sperm function tests in infertile male. Shahid-Beheshti Medical Sciences University, Tehran, Iran, 2007-2009.
6. Abtahi H. Investigating the luteinizing hormone (LH) receptor isoforms and its relation to apoptosis in hippocampus of castrated rats, Iran University of Medical Sciences, 2008-2011.
7. Sabetian S. Identification of Suitable biochemical markers for spermatogenesis in seminal plasma of azoospermic men, Azad University Tehran, Iran, 2007-2009.
8. Zand Emami M. Comparison of CMA3 Positivity in Fertile and Oligoasthenoteratozoospermic Infertile Men Attended to Avicenna Infertility Clinic and Evaluation of Some Associated Genetic Factors, Faculty of Medicine, Medical sciences/Babol University, 2007-2009.
9. Najarzadeh A. Ph.D Candidate Student. Effect of Ubiquinone Supplementation on semen quality, antioxidant enzymes, oxidative stress and sperm DNA fragmentation in infertile men with idiopathic oligoasthenoteratozoospermia referring to the Avicenna Infertility Clinic, Faculty of Medicine, Medical sciences/Iran University, 2008-2010.
10. Naghibi J. Ph.D Candidate Student. The effect of root of *Graveolens* water extract on human sperm Cell Characterization and function in vitro and determination of effective fraction. Faculty of Medicine, Medical sciences/Tehran University, 2006-2008.
11. Aslani F. MSc Candidate Student. Identification of molecular markers of spermatogenesis in semen of non-obstructive azoospermic men. Alzahra University, 2006-2008.
12. Mirfeyzollahi A. MSc Candidate Student. Polymorphism of P and M isoenzymes of glutathione S-transferase in infertile men attending Avicenna infertility clinic. Shahid-Beheshti University, 2006-2008.
13. Savadi Shirazi E. MSc Candidate Student. Sperm's mRNA Contents & its relation with human sperm's fertility & functional Parameters. Emam Hossein University, Tehran, Iran, 2005-2008.

14. Hodjjat M. MSc Candidate Student. Production and purification of anti-ubiquitin antibody for detection of defective spermatozoa in infertile male. Alzahre University, Tehran, Iran, 2003-2005.
15. Safarpour E. PhD. Candidate Student. Production and culture of human embryonic stem cells for study of developmental effects of TGF- β and FGF, IGF factors. Azad University, Tehran, Iran, 2003-2005.
16. Darvishnia H. MSc Candidate Student. Comparison the effect of two methods of cryopreservation including vitrification and Vapor of liquid Nitrogen on motility, DNA breaking and sperm spontaneous acrosomal reaction, Shahid-Beheshti University, Tehran, Iran, 2004-2005.
17. Naseri N. MSc Candidate Student. Purification & separation of human Inhibin from follicular fluid & preparation Antibody against it. Shahid-Beheshti Medical Sciences University, Tehran, Iran, 2004-2006.
18. Modarresi T. MSc Candidate Student. Isolation and recognition of spermatogenic cells lineages from testis tissue, Teacher Training University, Tehran, Iran, 2004-2006.
19. Lakpour N. MSc Candidate Student. The study of glutathione peroxidase IV Gene defects in men with oligoasthenozoospermia and its relationship to oxidative stress. Kermanshah Medical Science University, Kermanshah, Iran, 2005-2006.
20. Hosaini S. MSc Candidate Student. Design of ELIZA Kit for measurement of pregnancy associated plasma protein-A. Azad University Tehran, Iran, 2001-2004.
21. Mahmoodi S.A. M.Sc. Candidate Student. Identification sperm surface Antigen by monoclonal antibody. Azad University, Tehran, Iran, 2001-2003.
22. Talebian A. MSc Candidate Student. ELIZA kit design for quantitative Measurement of Antibodies in serum and seminal fluid. Faculty of Public Health, Medical sciences/ Tehran University, 2001-2002.

Research Interests:

- Male Reproduction & Infertility
- Assisted Reproductive Techniques (ART)
- Molecular Mechanism of Sperm-Oocyte Interaction
- Molecular Mechanism of Male Infertility
- Sperm Surface Antigens
- Spermatogenesis
- Sperm Maturation
- Gamete Cryopreservation