

Curriculum Vitae



A. Personal Data

First Name: Iraj

Surname: Amiri

Place of Birth: Hamadan, Iran

Date Of Birth: 21/03/1965 , Married,2 children

Address:

Work: Department of Anatomy and embryology, School of Medicine, Hamedan University of Medical Sciences, Hamedan, Iran

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B. Education:

1-Training course in vitrification and embryo freezing, Dept. Obstetrics and Gynaecology, Monash University,Melbourn,Australia, October 2010.

2- Training course in IVM,McGill Reproductive Centre, *Montreal,Canada.Sept.2007*

3-Training Course in infertility, Department of Obs.&Gyn, Gent University Hospital, Gent ,Belgium, 10/11/2006-25/11/2006

4- Postdoctoral fellow In IVF and Embryo cryopreservation, Department of Obs.&Gyn of medicine ,Yamagata University, **Yamagata , Japan**, Octb. 1,2000-March 31,2001

5-Ph.D. (Anatomical Sciences, minors: Embryology), School of medicine, **Tehran University of Medical Sciences, Tehran, Iran**, 1995-2000.

6-M.Sc. (Anatomical Sciences), School of medicine, **Tehran University of Medical Sciences, Tehran, Iran**, 1989-91

C: Experience:

Clinical :

Clinical Experience in all aspects of Embryology / Andrology (> 10 years) including IVF, ICSI, Embryo freezing, AH, Sperm Preparation Techniques, Fatemieh infertility research center, Hamedan university of Medical Sciences, Hamedan , Iran

Teaching:

1-Teaching of Embryology to medical students for 20 years, Hamedan university of Medical Sciences, Hamedan , Iran

2-Teaching of Anatomy to medical and paramedical students for 20 years, Hamedan university of Medical Sciences, Hamedan , Iran

3-Teaching of Embryology and Anatomy to Anatomy(Ms.C) students for 4 years, Hamedan university of Medical Sciences, Hamedan , Iran

4- Teaching of Cell Culture Ph.D students for 5 years, Hamedan university of Medical Sciences, Hamedan , Iran

D: Publications

Original Articles:

1-Serum levels of lycopene, beta-carotene, and retinol and their correlation with sperm DNA damage in normospermic and infertile men.

Ghyasvand T, Goodarzi MT, Amiri I, Karimi J, Ghorbani M.

Int J Reprod Biomed (Yazd). 2015 Dec;13(12):787-92.

2-PROTECTIVE EFFECTS OF GLUTATHIONE SUPPLEMENTATION AGAINST OXIDATIVE STRESS DURING CRYOPRESERVATION OF HUMAN SPERMATOZOA.

Ghorbani M, Vatannejad A, Khodadadi I, Amiri I, Tavilani H.

Cryo Letters. 2016 Jan-Feb;37(1):34-40.

3-Downregulation of adiponectin system in granulosa cells and low levels of HMW adiponectin in PCOS.

Artimani T, Saidijam M, Aflatoonian R, Ashrafi M, Amiri I, Yavangi M, SoleimaniAsl S, Shabab N, Karimi J, Mehdizadeh M.

4-J Assist Reprod Genet. 2016 Jan;33(1):101-10. doi: 10.1007/s10815-015-0620-1. Epub 2015 Dec 2.

Comparing Viability of Periodontal Ligament Stem Cells Isolated From Erupted and Impacted Tooth Root.

Dalband M, Amiri I, Soltanian AR, Gholami M, Khayati A, Keshmirypor V.

J Craniofac Surg. 2015 Oct;26(7):e608-12. doi: 10.1097/SCS.0000000000002112.

5-The Role of G22 A Adenosine Deaminase 1 Gene Polymorphism and the Activities of ADA Isoenzymes in Fertile and Infertile Men.

Fattahi A, Khodadadi I, Amiri I, Latifi Z, Ghorbani M, Tavilani H.

Urology. 2015 Oct;86(4):730-4. doi: 10.1016/j.urology.2015.06.034. Epub 2015 Jul 9.

6-Increment of Access Points in Integrated System of Wavelength Division Multiplexed Passive Optical Network Radio over Fiber.

Amiri IS, Alavi SE, Soltanian MR, Faisal N, Supa'at AS, Ahmad H.
Sci Rep. 2015 Jul 8;5:11897. doi: 10.1038/srep11897.

7-Generation and transmission of 3×3 W-Band multi-input multi-output orthogonal frequency division multiplexing-radio-over-fiber signals using micro-ring resonators.

Alavi SE, Amiri IS, Ahmad H, Supa'at AS, Faisal N.
Appl Opt. 2014 Dec 1;53(34):8049-54. doi: 10.1364/AO.53.008049.

8-Estrogen and progesterone receptor subtype expression in granulosa cells from women with polycystic ovary syndrome.

Artimani T, Saidijam M, Aflatoonian R, Amiri I, Ashrafi M, Shabab N, Mohammadpour N, Mehdizadeh M.
Gynecol Endocrinol. 2015 May;31(5):379-83. doi: 10.3109/09513590.2014.1001733. Epub 2015 Jan 21.

9- Marzieh Ghorbani , Iraj Amiri , Iraj Khodadadi , Amir Fattahi , Mojgan Atabakhsh , and Heidar Tavilani. **Influence of BHT inclusion on post-thaw attributes of human semen. Syst Biol Reprod Med, Early Online: 1–5,2014**

10- Amiri I, Ghorbani M, Heshmati S. **Comparison of the DNA Fragmentation and the Sperm Parameters after Processing by the Density Gradient and the Swim up Methods.** J Clin Diagn Res. 2012 Nov;6(9):1451-3. doi: 10.7860/JCDR/2012/4198.2530.

11-Setarehbadi, R., Vatannejad, A., Vaisi-Raygani, A., Amiri, I., Esfahani, M., Fattahi, A., Tavilani, H. **Apolipoprotein e genotypes of fertile and infertile men** (2012) *Systems Biology in Reproductive Medicine*, 58 (5), pp. 263-267.

12- Mahmoudi, R., Rajaei, F., Kashani, I.R., Abbasi, M., Amidi, F., Sobhani, A., Amiri, I. **The rate of blastocysts production following vitrification with step-wise equilibration of immature mouse oocytes** (2012) *Iranian Journal of Reproductive Medicine*, 10 (5), pp. 453-458.

13- Karimi, J., Goodarzi, M.T., Tavilani, H., Khodadadi, I., Amiri, I. **Increased receptor for advanced glycation end products in spermatozoa of diabetic men and its association with sperm nuclear DNA fragmentation** (2012) *Andrologia*, 44 (1), pp. 280-286.

14- Amiri, I., Karimi, J., Piri, H., Goodarzi, M.T., Tavilani, H., Khodadadi, I., Ghorbani, M. **Association between nitric oxide and 8-hydroxydeoxyguanosine levels in semen of diabetic men** (2011) *Systems Biology in Reproductive Medicine*, 57 (6), pp. 292-295.

15- Vatannejad, A., Khodadadi, I., Amiri, I., Vaisi-Raygani, A., Ghorbani, M., Tavilani, H. **Genetic variation of hormone sensitive lipase and male infertility** (2011) *Systems Biology in Reproductive Medicine*, 57 (6), pp. 288-291.

16- Sheikh, N., Amiri, I., Farimani, M., Yavangi, M., Rabiee, S. **Interleukin 6, interleukin 1?, estradiol and testosterone concentrations in serum and follicular fluid of females with stimulated and non-stimulated ovaries** (2011) *African Journal of Biotechnology*, 10 (46), pp. 9410-9414.

- 17-** Sanooee, M.F., Neghab, N., Rabiee, S., Amiri, I. **Metformin therapy decreases hyperandrogenism and ovarian volume in women with polycystic ovary syndrome** (2011) *Iranian Journal of Medical Sciences*, 36 (2), pp. 90-95.
- 18-** Nasiri, E., Mahmoudi, R., Bahadori, M.H., Amiri, I. **The effect of retinoic acid on in vitro maturation and fertilization rate of mouse germinal vesicle stage oocytes** (2011) *Cell Journal*, 13 (1), pp. 19-24.
- 19-** Karimi, J., Goodarzi, M.T., Tavilani, H., Khodadadi, I., Amiri, I. **Relationship between advanced glycation end products and increased lipid peroxidation in semen of diabetic men** (2011) *Diabetes Research and Clinical Practice*, 91 (1), pp. 61-66.
- 20-** Mahmodi, R., Abbasi, M., Amiri, I., Kashani, I.R., Pasbakhsh, P., Saadipour, K., Amidi, F., Sobhani, A. **Cumulus cell role on mouse germinal vesicle oocyte maturation, fertilization, and subsequent embryo development to blastocyst stage in Vitro** (*Yakhteh Medical Journal* (2009) 11, 3, (299-302).
- 21-** Sheikh, N., Amiri, I., Najafi, R., Goodarzi, M.T. **The correlation between total antioxidant capacity and nitric oxide concentration in seminal plasma with sperm DNA damage** (2010) *African Journal of Biotechnology*, 9 (35), pp. 5739-5745.
- 22-** Mahmodi, R., Abbasi, M., Amiri, I., Kashani, I.R., Pasbakhsh, P., Saadipour, K., Amidi, F., Sobhani, A. **Cumulus cell role on mouse germinal vesicle oocyte maturation, fertilization, and subsequent embryo development to blastocyst stage in vitro** (2009) *Yakhteh*, 11 (3), pp. 299-337.
- 23-** Amiri, I., Mirahadi, N., Amini, A., Parvini, M., Heidarbeigi, K. **The effects of LIF and EGF on mouse oocyte maturation, fertilization and development in vitro** (2009) *Iranian Journal of Reproductive Medicine*, 7 (4), pp. 189-194.
- 24-** Mahmoudi, R., Amiri, I., Pasbakhsh, P., Kashani, I.R., Abbasi, M., Aboulhasani, F., Mehrannia, T., Sobhani, A. **The effects of vitrification on spindle apparatus of in vitro matured germinal vesicle in mice** (2008) *Iranian Journal of Reproductive Medicine*, 6 (4), pp. 209-215.
- 25-** Sheikh, N., Amiri, I., Farimani, M., Najafi, R., Hedeie, J. **Correlation between sperm parameters and sperm DNA fragmentation in fertile and infertile men** (2008) *Iranian Journal of Reproductive Medicine*, 6 (1), pp. 13-18.
- 26-** Amiri, I., Prvini, M., Amini, A., Heidarbeigi, K., Mirahadi, N. **Relevance of LIF and EGF on mouse preimplantation embryo development** (2008) *Yakhteh*, 10 (3), pp. 213-217.

- 27-** Amiri, I., Sheikh, N., Najafi, R. **Nitric oxide level in seminal plasma and its relation with sperm DNA damages** (2007) *Iranian Biomedical Journal*, 11 (4), pp. 259-264.
- 28-** Farimani, M., Amiri, I. **Analysis of prognostic factors for successful outcome in patients undergoing intrauterine insemination** (2007) *Acta Medica Iranica*, 45 (2), pp. 101-106.
- 29-** Amiri, I., Sheike, N., Najafi, R. **Nitric oxide level in seminal plasma of fertile and infertile males and its correlation with sperm parameters** (2006) *Daru*, 14 (4), pp. 197-202.
- 30-** Arami, M.K., Sarihi, A., Malacoti, S.M., Behzadi, G., Vahabian, M., Amiri, I. **The effect of nucleus tractus solitarius nitric oxidergic neurons on blood pressure in diabetic rats**(2006) *Iranian Biomedical Journal*, 10 (1), pp. 15-19.
- 31-** Nasiri, E., Amiri, I., Zamani, A.R., Pourghasem, M. **Nitric oxide-induced apoptosis in human granulosa cells** (2005) *Yakhteh*, 7 (26), pp. 80-121.
- 32-** Arami, M.K., Sarihi, A., Behzadi, J., Malakouti, S.M., Amiri, I., Ekbatani, R.Z. **The effect of hyperglycemia on nitric oxidergic neurons in nucleus tractus solitarius and blood pressure regulation in rats with induced diabetes** (2005) *Iranian Journal of Diabetes and Lipid Disorders*, 4 (3), pp. E2-E2.
- 33-** Barbarestani, M., Amiri, I., Abolhassani, F., Dehpour, A., Niknafs, B., Neamatollahi, S.N., Abdolvahabi, S.A. **The role of L-arginine in control of apoptosis in preimplantation mouse embryos cultured in high glucose media** (2004) *Daru*, 12 (1), pp. 18-23.
- 34-** Amiri, I., Sobhani, A., Abolhassani, F., Omidinia, E., Akbari, M., Farimani, M. **The effect of nitric oxide on mouse pre-implantation embryo development and apoptosis** (2003) *Iranian Biomedical Journal*, 7 (3), pp. 107-111.
- 35-** Iraj Amiri, Ali Amini, Maryam Parvini, Khadijeh Heidarbeigi, Narges Mirahadi, **Relevance of LIF and EGF on mouse preimplantation embryo development**, *Yakhteh Medical Journal*. 2008;10(3):213-217 [indexed in ISI]
- 36-** Reza Mahmoudi, Aligholi Subhani, Parichehr Pasbakhsh, Farid Abolhasani, **Iraj Amiri**, Mozhdeh Salehnia, Farideh Etesam. **In vitro maturation and fertilization capacity of mouse GV- stage Oocyte following stepwise vitrification**, *Journal of clinical and Diagnostic Research*. 2008;(2):1234-1239
- 37-** Amiri I.,Mahmodi R., Babalhavaeji H., Sheikh N., Najafi R. **Effects of carnitine on sperm parameters in infertile males with idiopathic asthenospermia** . *Armaghane Danesh*. 2008;12(4):65-71
- 38-**Nasrin Sheikh,Iraj Amiri, Marzieh Farimani, Rezvan Najafi, Jafar Hadeie. **Correlation between sperm parameters and sperm DNA fragmentation in fertile and infertile men**. *Iranian Journal of Reproductive Medicine*. 2008;6(1):13-18 [indexed in ISI].

- 39-** Marzieh Farimani, **Iraj Amiri**, sedigheh Hoseini, Day 3 serum inhibin- B Level is not predictive of ovarian assisted reproductive technologies outcome. Iranian Journal of Reproductive Medicine. 2006;4(1):1-5
- 40- Iraj Amiri**, Ebrahim Nasiri, Reza Mahmodi , The effect of Vitamin E in prevention of developmental defects of diabetic rats embryos. Journal of Medical Faculty , Guilan University University of Medical Sciences. 2006,15(59),1-7.
- 41-** Reza Mahmoudi, Aligholi Subhani, Parichehr Pasbakhsh, Farid Abolhasani, **Iraj Amiri**, Mozhdeh Salehnia, Farideh Etesam : The Effects of Cumulus cells on In-vitro Maturation of Mouse Germinal Vesicle Stage Oocytes.Iranian Journal of Reproductive Medicine,vol.3,No.2,74-78,2005.
- 42-** Ebrahim Nasiri, Ali Reza Dehpour, Ali Reza Zamani, **Iraj Amiri** : Effects of Obstructive Cholestasis on sperm parameters in the adult rats. Scientific journal of Hamadan university of medical sciences and Health services, Vol.12, No. 3,36-41,Autumn 2005.
- 43-** Ebrahim Nasiri, **Iraj Amiri.**, Ali Reza Zamani, Pourghasem M, Ali Reza Dehpour: Nitric oxide-induced apoptosis in human granulosa cells. Yakhteh medical journal, vol.7,2005
- 44-** Marzieh Farimani, Iraj Amiri, Yavangi M, : Who is Preferred to do Intra Utrine Insemination, journal of Research in Health Sciences, Vol.4(2):32-34, 2004.
- 45-** M. Farimani, M. Ashrafi, **I. Amiri**, Yavangi M, : Evaluation Criteria for Prediction Ovarian Responses to COH in IVF/ICSI, Scientific journal of Hamadan university of medical sciences and Health services, Vol.10, Supplement 4, Winter 2004.
- 46- Iraj Amiri**, Hassan Marzban, Mohammad Barbarestani, Ahmad Reza Dehpour: The Study of Effects of Nitric Oxide in control of embryonic defects in high glucosis media, Scientific journal of Hamadan university of medical sciences and Health services, Vol.10, No3, Autumn 2003.
- 47- Amiri I.**, Hedayatpour A., Abolhasani F., Sobhani A. et al: The effects of High glucosis on in vitro development of pre-implantation mouse embryos, Daneshver, No 45, p.5-14, June 2003.
- 48-Amiri I.**, Barbarestani M., Marzban H., Niknafs B., Acid Ascorbic diminishes developmental damages induced in preimplantation embryos in high glucose media. Arch of Razi, No.52, P:75-81, 2001.
- 49- Amiri I.**, Marzban H., Barbarestani M., Nematollahi N.: Effects of L-arginine on development of mouse pre-implantation embryos in culture media with high glucose level. **Med. Journal of Reproduction and infertility, Vol.2, Issue 7, P:4-12, 2001.**

E. Peresentation in International Conferences:

1- Association between nitric oxide and 8-hydroxydeoxyguanosine levels in semen of diabetic men. 27nd Annual Meeting of The European Society of Human Reproduction and Embryology. **2011; Stockholm, Sweden.**

2- The correlation between total antioxidant capacity and nitric oxide concentration in seminal plasma with sperm DNA damage. 26nd Annual Meeting of The European Society of Human Reproduction and Embryology. **2010; Rome, Italy.**

3- The effects of LIF and EGF on mouse oocyte maturation, fertilization and development in vitro. *18th, World Congress of In vitro fertilization.2009,Geneve,.Switzerland.*

4-Cumulus cell function During mouse germinal vesicle Oocyte maturation fertilization and embryo development to blastocyst in vitro , *MEFS middle east fertility society. 2008,Hammamat,Tunisia*

5- The comparison of DNA fragmentation and sperm parameters after processing by density gradiant swim up methods. *MEFS middle east fertility society. 2008 ,Hammamat,Tunisia*

6- Effects of retinoic acid on the blastocysts development and inner cell mass in mouse embryos. *The Asian- pacific international congress of Anatomists 8th iranian congress of Anatomical sciences. 2008;Tehran,Iran*

7-*Rapid Vitrification of mouse germinal vesicle oocyte.17th,World Congress of In vitro fertilization.2007,Montreal,.Canada.*

8- Nitric Oxide level in seminal plasma and its relation with sperm parameter and DNA damages. 22nd Annual Meeting of The European Society of Human Reproduction and Embryology. **2006; Prague, Czech Republic**

9- Clinically identifiable congenital neurologic malformation in the labour wards of Hamadan,West of Iran, Fourteen Meeting of the European Neurological Society. **2004; Barcelona,Spain.**

10-Apoptosis in granulosa cells and its relation with in vitro fertilization and cleavage rates in women with PCOS and tubal infertility, PCOS intrnational symposium, **September 4-7,2003,Antalya,Turkey.**

11- The Effect of Nitric Oxide on Mouse preimplantation embryo development and Apoptosis,17th International Symposium on Morphological Sciences,Sept.11-5-2002,**Timisoara,Romani.**

12- Variations of gastrointestinal arteries in Iran .The 1th Asian Pasific International Congress of Anatomists. Agust 22-24, 1996, **Seoul, Korea.**

Membership :

1-European Society of Human Reproduction and Embryology (ESHRE)

2-Iranan Society of Fertility and Infertility

3-Iranian Society of Anatomical Sciences