

CURRICULUM VITAE OF ALI REZA TALEBI



PERSONAL INFORMATION:

Name: **Ali Reza Talebi**

Title: Associate Professor in Histology & Embryology

Academic Position: Academic member of Medical University, Andrology lab director of Research and Clinical Center for Infertility, Yazd, Iran

Department: Biology & Anatomy

Address: Shahid Sadoughi University of Medical Sciences, Yazd, Iran.

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ACADEMIC EDUCATION:

1984-1989 B.S Animal Biology
Shiraz University, Shiraz, Iran

1989-1991 M.Sc Medical Histology
Tehran University of Medical Sciences, Tehran, Iran

1999-2005 PhD Anatomical Sciences
Shahid Beheshti University of Medical Sciences, Tehran, Iran

RESEARCH FIELDS:

Laboratory Andrology (sperm biology)
Histology
Tissue engineering and cell culture

TECHNICAL EXPERIENCES:

Semen Analysis, Sperm Function Tests, Sperm Chromatin Integrity Assays, Apoptosis, Histochemistry & Immunocytochemistry, Tissue Culture, Experimental Embryology, Histotechniques, Electron Microscopy (TEM & SEM), Animal Surgery

TEACHING EXPERIENCE:

- 1991- 1994 Theory & practice of Medical Histology & Embryology for medical and paramedical students
(Islamic Azad University, Kazeroon, Iran)
- 1994-present Theory & practice of Medical Histology & Embryology for medical and paramedical students
Histotechnique for paramedical students
(Shahid Sadoughi University of Medical Sciences, Yazd, Iran)
- 2001-present Oral Histology and Embryology for dentistry students
(Shahid Sadoughi University of Medical Sciences, Yazd, Iran)
- 2006-2011 Neuroanatomy for medical and dentistry students
(Shahid Sadoughi University of Medical Sciences, Yazd, Iran)
- 2009-present Comparative Histology & Embryology for biology students
Yazd University, Department of Biology, Yazd, Iran
- 2009-present Theory & practice of Reproductive Histology and Cell Biology for PhD students
- 2009-present Research & Clinical Center for Infertility, Yazd, Iran
Andrology Theory & Practice for PhD students
Research & Clinical Center for Infertility, Yazd, Iran
- 2010-present Theory & practice of General Histology, Advance Histology, Cell Biology, Microanatomical Techniques for MSc students
(Shahid Sadoughi University of Medical Sciences, Yazd, Iran)
- 2012-present Andrology laboratory for PhD by research students
Research & Clinical Center for Infertility, Yazd, Iran

MSc & PhD PROJECTS:

- MSc; Effects of gamma radiation on hematopoietic bone marrow tissue (Grade: Excellent)
- PhD; Effects of spinal cord injury on sperm ultrastructure, chromatin condensation and DNA integrity in rats (Grade: Excellent)

INTERNATIONAL JOURNALS PUBLICATIONS (In English):

1. Khalili MA, Aghai-Maibodi F, Anvari M, **Talebi AR**. Assessment of sperm nuclear DNA in ejaculates of fertile and infertile men: correlation with semen parameters. *Urology Journal* 3: 154-9; 2006.
2. **Talebi AR**, Khalili MA, Hossaini A. Assessment of nuclear DNA integrity of epididymal spermatozoa following chronic spinal cord injury in the rat. *International Journal of Andrology* 30: 163-8; 2007.
3. **Talebi AR**, Abbasi A, Khalili MA, Tabibnejad, N. Effect of ethanol consumption on chromatin condensation and DNA integrity of epididymal spermatozoa in rat. *Alcohol* 45: 405-9; 2011.
- 4- **Ali Reza Talebi.**, Mohammad Ali Khalili., Hossein Nahangi, Abulghasem Abbasi, Morteza Anvari. Evaluation of epididymal necrospemia following experimental chronic spinal cord injury in rat. *IJRM*, 5(4); 2007
- 5- **A. R. Talebi**, M. R. Moein, N. Tabibnejad & J. Ghasemzadeh. Effect of varicocele on chromatin condensation and DNA integrity of ejaculated spermatozoa using cytochemical tests. *andrologia*, 40; 2008
- 6- Mohammad Kermani-Alghoraishi, Mortaza Anvari, **Ali Reza Talebi**, Omid Amini-Rad, Rahil Ghahramani, Seyed Mohsen Miresmailii. The effects of acrylamide on sperm parameters and membrane integrity of epididymal spermatozoa in mice. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 153; 2010
- 7- Masoud Hafezi-Ardakani a, Fatollah Moztaarzadeh a, Mohammad Rabiee, **Ali Reza Talebi**. Synthesis and characterization of nanocrystalline merwinite (Ca₃Mg(SiO₄)₂) via sol-gel method. *Ceramics International* 37; 2011
- 8- Masoud Hafezi-Ardakania, Fatollah Moztaarzadeha, Mohammad Rabiee, **Ali Reza Talebib**, Marziye Abasi-shahnic, Farzaneh Fesahatb and Fatemeh Sadeghian. Sol-gel synthesis and apatite-formation ability of nanostructure merwinite (Ca₃MgSi₂O₈) as a novel bioceramic. *Journal of Ceramic Processing Research*. Vol. 11, No. 6; 2010

- 9- **A. R. Talebi**, S. Vahidi, A. Aflatoonian, N. Ghasemi, J. Ghasemzadeh, R. D. Firoozabadi & M. R. Moein. Cytochemical evaluation of sperm chromatin and DNA integrity in couples with unexplained recurrent spontaneous abortions. *Andrologia...*; 2011
- 10- Mangoli E, Pourentezari M, Anvari M, **Talebi AR**, Nahangi H. The improvement of Sperm Parameters and Chromatin Quality by Vitamin C. *Researcher* 2012;4(11)
- 11- Pourentezari M1, Mangoli E1, Rahimpour M1, **Talebi AR**, Anvari M. The Impact of Alcohol on Sperm Parameters in diabetic mice. *Journal of American Science* 2012;8(10)
- 12- **Talebi AR**, Anvari M, Pourentezari M, Khalili M, Mangoli M. Effect of acrylamide in presence of vitamin E on sperm parameters and testosterone hormone in mice. *New York Science Journal* 2012;5(9)
- 13- Mohammad Mehdi Heidari, Mehri Khatami, **Ali Reza Talebi**. The POLG Gene Polymorphism in Iranian Varicocele-Associated Infertility Patients. *Iranian Journal of Basic Medical Sciences* Vol. 15, No. 2, Mar-Apr 2012
- 14- **Ali Reza Talebi**, Mohammad Ali Khallili, Serajodin Vahidi, Jalal Ghasemzadeh, Nasim Tabibnejad. Sperm chromatin condensation, DNA integrity, and apoptosis in men with spinal cord injury. *The Journal of Spinal Cord Medicine* 2012
- 15- Masoud Hafezia, **Ali Reza Talebi**, Seyed Mohsen Miresmaeilic, Fatemeh Sadeghianb, Farzaneh Fesahat. Histological analysis of bone repair in rat femur via nanostructured merwinite granules. *Ceramic International*, 2013
- 16- Marzieh Rahimpour, **Ali Reza Talebi**, Morteza Anvari, Abolghasem Abbasi Sarcheshmeh, Marjan Omid. Effects of different doses of ethanol on sperm parameters, chromatin structure and apoptosis in adult mice. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 170 (2013).
- 17- **Ali Reza Talebi** & Layasadat Khorsandi & Mahnaz Moridian. The effect of zinc oxide nanoparticles on mouse Spermatogenesis. *J Assist Reprod Genet.* 2013
- 18- Roshan Rezaee Ranjbar Sardari, Saeid Rezaei Zarchi, **Alireza Talebi**, Sima Nasri, Saber Imani, Arezoo Khoradmehr and Seyed Alireza Razavi Sheshde. Toxicological effects of silver nanoparticles in rats. *African Journal of Microbiology Research* Vol. 6(27), pp. 5587-5593, 19 July, 2012
- 19- Esmat Mangoli, **Ali Reza Talebi**, Morteza Anvari, Majid Pourentezari. Effects of experimentally-induced diabetes on sperm parameters and chromatin quality in mice. *Iran J Reprod Med* Vol. 11. No. 1. pp: 53-60, January 2013
- 20- Pourentezari M, **Talebi AR**, Anvari M, Khalili MA, Mangoli E. Effect of Vitamin E on Sperm Parameters, Chromatin Quality and Testosterone Hormone in Mice. *Journal of American Science* 2012;8(10)
- 21- Tahereh Mirjalili, Seyed Mehdi Kalantar, Maryam Shams Lahijani, Mohamad Hasan Sheikhha, **Alireza Talebi**. Congenital abnormality effect of methamphetamine on histological, cellular and chromosomal defects in fetal mice. *Iran J Reprod Med* Vol. 11. No. 1. pp: 39-46, January 2013

- 22- Marzieh Rahimpour, **Ali Reza Talebi**, Abolghasem Abbasi Sarcheshmeh, Marjan Omid. Saccharin consumption increases sperm DNA fragmentation and apoptosis in mice. *Iran J Reprod Med* Vol. 12. No.5. pp: 307-312, May 2014
- 23- Mohammad Mehdi Heidari, Mehri Khatami, **Ali Reza Talebi**, Fahime Moezzi. Mutation analysis of TNF1 gene in infertile men with varicocele. *Iran J Reprod Med* Vol. 12. No. 4. pp: 257-262, April 2014
- 24- Mohammad Ali Khalili, Saeedeh Nazari, Razieh Dehghani-Firouzabadi, **Ali Reza Talebi**, Shekofeh Baghzadeh- Naeini, Fatemeh Sadeghian-Nodoshan, Azam Agha-Rahimi. Comparing the Roles of Sperm Chromatin Integrity and Apoptosis in Intrauterine Insemination Outcomes of Couples with Mild Male and Female Factor Infertility. *J ReprodInfertil.*2014;15(1):35-40
- 25- Mohammad Ebrahim Baki, Sayyed Mohsen Miresmaili, Majid Pouretezari, Esmail Amraii, Vahid Yousefi, Hamid Reza Spenani, **Ali Reza Talebi**, Morteza Anvari, Mohammad Fazilati, Ali Asghar Fallah, Esmat Mangoli. Effects of silver nano-particles on sperm parameters, number of Leydig cells and sex hormones in rats. *Iran J Reprod Med* Vol. 12. No. 2. pp: 139-144, February 2014
- 26- Ali Reza Talebi, Esmat Mangoli, Hossein Nahangi, Morteza Anvari, Majid Pouretezari, Iman Halvaei. Vitamin C attenuates detrimental effects of diabetes mellitus on sperm parameters, chromatin quality and rate of apoptosis in mice. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 181 (2014) 32–36
- 27- Majid Pouretezari, Alireza Talebi, Abulghasem Abbasi, Mohammad Ali Khalili, Esmat Mangoli, Morteza Anvari. Effects of acrylamide on sperm parameters, chromatin quality, and the level of blood testosterone in mice. *Iran J Reprod Med* Vol. 12. No. 5. pp: 335-342, May 2014

NATIONAL JOURNALS PUBLICATIONS (In Persian):

1. **Talebi AR**, Hossaini A, Khalili MA, Sadeghi Y, Nasr-Esfahani MH. The effect of chronic spinal cord injury on chromatin and DNA integrity of spermatozoa aspirated from epididymis of rat. *J Reprod & Infertility* 6: 127-139; 2005.
- 2- **Talebi A.R**, Abbasi Sarcheshmeh A, Dehghan M, Nayeri M, Hoseini. Ultrastructural Changes of Epididymal Spermatozoa in Alcohol Consuming Rats. *Journal of Iranian Anatomical Sciences*, Vol 9, Spring 2011
- 3- **Talebi A.R**, Khalili M.A, Dehghan M. Hoseini A. The Effect of Chronic Spinal Cord Injury on Ultrastructure of Epididymal Sperm in Rat. *Journal of Iranian Anatomical Sciences*, Vol 7, Summer 2009
- 4- Maryam Dehghan, Morteza Anvari, Mohamad Hosseini Sharifabad, **Alireza Talebi**, Hossein Nahangi, Abolghasem Abbasi, Sadegh Yadegari. The View points of Medical Students In Yazd University of Medical Sciences Toward Horizontal Integration Teaching Method in Anatomical Sciences Courses. *Journal of Medical Education Development Center* 2011; 8(1):81- 87

5- Rezaee Ranjbar Sardari R, Rezaei Zarchi S, Nasri S, **Talebi A**, Khoradmehr A, Razavi Sheshde SA, Adib M. Toxicological Effects of Silver Nanoparticles in Rats' Lung. Journal of Shahid Sadoughi University of Medical Sciences. Vol. 20, No. 3, Jul- Aug 2012

PUBLISHED BOOKS, CHAPTERS:

- 1) Sperm nuclear maturation; a basic and clinical approach
NOVA publishers, 2011
- 2) Human Spermatozoa (Maturation, Capacitation and Abnormalities); Thomas Lejeune and Pascal Delvaux. Chapter 1, Nova Publishers, 2010
- 3) Laboratory andrology, 2014 (ahead of print)

ABSTRACT PRESENTATION:

- ۱- تاثیرات رادیاسیون بر بافت خونساز مغز استخوان رت . چهارمین کنگره علوم تشریحی ایران، آبان ۱۳۷۸ ، تهران
- ۲- بررسی اپر داروی محرك تخمک گذاری بر تغییرات دیواره رحم رت . چهارمین کنگره علوم تشریحی ایران، آبان ۱۳۷۸ ، تهران
- ۳- خلاصه مقاله **Histological changes in epididym following chronic spinal cord injury in rat** ، یازدهمین کنگره باروری و نالاروری ایران ، اسفند ۱۳۸۳ ، تهران
- ۴- خلاصه مقاله **The effects of chronic spinal cord injury on chromatin condensation of spermatozoa retrieved from epididymis of rat** ، یازدهمین کنگره باروری و نالاروری ایران ، اسفند ۱۳۸۳ ، تهران
- ۵- خلاصه مقاله **Histological changes in epididym following chronic spinal cord injury in rat** ، ارائه شده در 11th annual scientific meeting of Middle East Fertility Society , December 1-4 , 2004 , Dead sea , Jordan
- ۶- خلاصه مقاله **The effects of chronic spinal cord injury on chromatin condensation of spermatozoa retrieved from epididymis of rat** ، ارائه شده در 11th annual scientific meeting of Middle East Fertility Society , December 1-4 , 2004 , Dead sea , Jordan
- ۷- خلاصه مقاله **The effects of spinal cord injury on histological changes of epididymis in rat** ، ارائه شده در 4th Asian – Pacific International congress of Anatomists, 7-10 september, 2005, Turkey.
- ۸- خلاصه مقاله **The effects of spinal cord injury on histological changes of epididymis in rat** ، ارائه شده در 4th Asian – Pacific International congress of Anatomists, 7-10 september, 2005, Turkey.
- ۹- **The effects of lead and cadmium on sperm quality and chromatin condensation** - ارائه شده در 10th international symposium on spermatology, Madrid 2006
- ۱۰- تغییرات فراساختار اسپرمهای اپیدیدیمی بدنبال ضایعه نخاعی مزمن در مدل رت. ارائه شده در هفتمین همایش سراسری علوم تشریحی ایران ، اردیبهشت ۱۳۸۵
- ۱۱- تاثیر تلقیح کوتاه مدت به روش لقاح خارج رحمی بر کیفیت جنینهای حاصله در موش. ارائه شده در هفتمین همایش سراسری علوم تشریحی ایران ، اردیبهشت ۱۳۸۵
- ۱۲- بررسی اثرات ضایعه نخاعی مزمن بر نکروز اسپرمهای اپیدیدیمی رت. ارائه شده در هفتمین همایش سراسری علوم تشریحی ایران ، اردیبهشت ۱۳۸۵

- ۱۳ - خلاصه مقاله **The effects of chronic spinal cord injury on chromatin condensation of spermatozoa** retrieved from epididymis of rat international student award in reproductive medicine, 1th ارانه شده در Yazd, Iran, December 2005
- ۱۴ - خلاصه مقاله **The effects of varicocele on chromatin condensation of sperm** 2nd international ارانه شده در student award in reproductive medicine, Yazd, Iran, May 2007
- ۱۵ - برنده جایزه نویسنده مقاله برتر در 2nd international student award in reproductive medicine, Yazd, Iran, May 2007
- ۱۶ - خلاصه مقاله **varicocele & chromatin condensation/DNA integrity of spermatozoa** The asian pacific international congress of anatomical sciences, 16-18 may 2008, Tehran, Iran ارانه شده در
- ۱۷ - خلاصه مقاله **The effects of lead on sperm parameters and chromatin/DNA integrity of epididymal spermatozoa in mice** The asian pacific international congress of anatomical sciences, 16-18 may 2008, Tehran, Iran ارانه شده در
- ۱۸ - خلاصه مقاله **The effects of chronic ethanol consumption on sperm chromatin quality in rat** The asian pacific international congress of anatomical sciences, 16-18 may 2008, Tehran, Iran ارانه شده در
- ۱۹ - خلاصه مقاله **The effects of sperm chromatin quality and DNA integrity on early embryogenesis** در 1st International symposium and workshop on clinical embryology، یزد، ایران ۲۲-۲۳ نوامبر ۲۰۰۸
- ۲۰ - خلاصه مقاله **The evaluation of ejaculated spermatozoa chromatin condensation and DNA integrity in couples with recurrent abortion** 15th congress of Iranian society for reproductive medicine، ۲-۳۰ اسفند ۱۳۸۷

WORKSHOPS:

- IT courses (windows, words, power point, Excel, internet, access)
- Immunohistochemistry (IHC)
- Prenatal diagnosis (PND)
- Sperm analysis
- Sperm functional tests
- Andrology
- Quality control of laboratory
- Medical journalism
- Body fluid analysis
- Medical technology
- Intra-cytoplasmic sperm injection (ICSI)
- Experimental IVF
- Oocyte & Embryo freezing
- Oral & Poster presentation
- Paper writing
- Medical Education
- Cell & Tissue culture

ADVISOR OF PhD & MSc PROJECTS:

8 Ms projects

4 PhD projects