



## Majid Shokoohi Barabadi

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### PERSONAL INFORMATION

**Date of Birth:** September 17, 1994

**Gender:** Male

**Place of Birth:** Mashhad, Iran

**Phone:** (0098) 9158009047

**Marital Status:** Single

**H index in Google scholar:** 19

**H index in Scopus:** 17

**i10-index :** 25

### EDUCATION

**Ph.D** Tabriz University of Medical Sciences, Tabriz, Iran (2019- now)

Thesis: Evaluation of the effects of hypoxia on testicular tissue cells and spermatogenesis in adult rats treated with N-Acetyl Cysteine

Supervisor: Prof. Amir Afshin Khaki

**M.Sc.** Tabriz University of Medical Sciences, Tabriz, Iran (2016- 2019)

Thesis: Comparison the effect of Hesperidin and Minocycline on sperm parameters and testicular damage induced by varicocele in adult rat

Supervisor: Prof. Amir Afshin Khaki

GPA: 16.26 out of 20

**B.Sc.** B.SC. (Nursing), Gonabad University of Medical Science, Gonabad, Iran (2012-2016)

GPA: 16.45 out of 20

### EMPLOYMENT

➤ Nursing, Bohlool Hospital, Gonabad, 2012 - 2016

- Histology Lab Technician, Gonabad University of Medical Sciences, Gonabad, 2013 – up to now
- Researcher in cell culture Lab, Gonabad University of Medical Sciences, Gonabad, 2013 – up to now
- Student research committee, Gonabad University of Medical Sciences, Gonabad, 2013 – up to now
- Researcher in Animal Lab, Gonabad University of Medical Sciences, Gonabad, 2013 – up to now
  
- Teacher assistant (histology, embryology, and human anatomy), Tabriz University of Medical Sciences, Tabriz, 2016 – up to now

## HONORS

- Awards as the Top peer reviewer in Cross-field selected in Global Peer Review Awards, web of science, September 2019..
- Accepted abstract for presenting in the Eshre Annual Meeting (2018)
- Invited speaker in several international congress on reproduction, ROYAN International Congress and the 2<sup>nd</sup> International Congress on Reproductive, held in Iran.
- Awards as the annual selected student in student research committee, Gonabad University of Medical Science, Gonabad, Iran, Dec 2014.
- Awards as the annual selected student in student research committee as the best Researcher in university, Gonabad University of Medical Science, Gonabad, Iran, Dec 2015.

## ARTICLES PRESENTED IN CONGRESS

1. Moghimian Maryam, Soltani Malihe, **Shokoohi Majid**, Farzaneh Saeb, Amir Afshin Khaki, Elham Bashtani, Investigation the Fertility Power by Intrauterine Insemination after Testicular Torsion/Detorsion in Adult Rat, Royan International Twin Congress, 2018.
2. Hosein Abtahi, **Majid Shokoohi**, Maryam Moghimian, Malihe Soltani, Farzaneh Saeb, Amir Afshin Khaki, Elham Bashtani, Hormonal and metabolically effect of Galega officinalis in adult rats with PCOS, Royan International Twin Congress, 2018.
3. MaliheSoltani, Maryam Moghimian, **Majid Shokoohi**, HoseinAbtahi, HamedShoorei, Amir AfshinKhaki, The protective effect of Matricaria chamomilla extract on histological damage

and oxidative stress induced by Torsion/Detorsion in adult rat ovary, Royan International Twin Congress, 2017

4. M Moghimian, M Soltani, H Abtahi, M Shokoohi, H. Shoorei, A.A. Khaki, Effect of vitamin C on tissue damage and oxidative stress following tunica vaginalis flap coverage after testicular torsion, ESHRE,2018.

## JOURNAL REVIEWER

I've been reviewing articles for several journals such as Journal of Basic and Clinical Physiology and Pharmacology, International Journal of Fertility and Sterility, Toxicology Research, International Journal of Women's Health and Reproduction Sciences, Natural Product Research, Crescent Journal of Medical and Biological Sciences, Experimental and Therapeutic Medicine, journal of food biochemistry, Andrologia, Journal of Obstetrics and Gynaecology, Reproductive Toxicology, Molecular Medicine Reports, Environmental Toxicology, Journal of Animal Physiology and Animal Nutrition, Animal Reproduction, Systems Biology in Reproductive Medicine, and .....

## PUBLICATIONS

1. M Moghimian, M Soltani, H Abtahi, M Shokoohi, Effect of vitamin C on tissue damage and oxidative stress following tunica vaginalis flap coverage after testicular torsion, Journal of pediatric surgery,2017, 52 (10), 1651-1655
2. M Soltani, M Moghimian, H Abtahi, M Shokoohi, The protective effect of Matricaria chamomilla extract on histological damage and oxidative stress induced by Torsion/Detorsion in adult rat ovary, INTERNATIONAL JOURNAL OF WOMENS HEALTH AND REPRODUCTION SCIENCES,2017, 5 (3), 187-192
3. Maryam Moghimian, Seyd-Hosein Abtahi-Evari, Majid Shokoohi, Mostafa Amiri, Malihe Soltani, Effect of Syzygium aromaticum (clove) extract on seminiferous tubules and oxidative stress after testicular torsion in adult rats, Physiology and Pharmacology,2017, 21 (4), 343-350
4. Hamed Shoorei, Arash Khaki, Nava Ainehchi, Mohammad Mehdi Hassanzadeh Taheri, Moloud Tahmasebi, Giti Seyedghiasi, Ziba Ghoreishi, Majid Shokoohi, Amir Afshin Khaki, Sayed Haidar Abbas Raza, Effects of Matricaria chamomilla Extract on Growth and Maturation of Isolated Mouse Ovarian Follicles in a Three-dimensional Culture System, Chinese medical journal,2018, 131 (2), 218

5. M Shokoohi, H Shoorei, M Soltani, S-H Abtahi-Eivari, R Salimnejad, M Moghimian, Protective effects of the hydroalcoholic extract of *Fumaria parviflora* on testicular injury induced by torsion/detorsion in adult rats, *Andrologia*, 2018, e13047
6. Malihe Soltani, Maryam Moghimian, Seyes Hosein Abtahi Eivari, Hamed Shoorei, Arash Khaki, Majid Shokoohi, Protective effects of *matricaria chamomilla* extract on torsion/detorsion-Induced tissue damage and oxidative stress in adult rat testis, *Int J Fertil Steril*, 2018, 12 (3)
7. M Ameli, MS Hashemi, M Moghimian, M Shokoohi, Protective effect of tadalafil and verapamil on testicular function and oxidative stress after torsion/detorsion in adult male rat, *Andrologia*, 2018, e13068
8. Seyed Hosein Abtahi-Eivari, Maryam Moghimian, Malihe Soltani, Hamed Shoorei, Reza Asghari, Hossein Hajizadeh, Majid Shokoohi, Somayye Alami, Faezeh Khalife Ghaderi, The Effect of *Galega officinalis* on Hormonal and Metabolic Profile in a Rat Model of Polycystic Ovary Syndrome, *International Journal of Women's Health and Reproduction Sciences*, 2018, 6(3), 276-282.
9. Hamed Shoorei, Abbas Majdi Seghinsara, Mohammad Mehdi Hassanzadeh Taheri, Majid Shokoohi, Moloud Tahmasebi, Arash Khaki, Amir Afshin Khaki, Hossein Eyni, Sadegh Ghorbani, Khadijeh Riahi Rad, Hossein Kalarestaghi, Leila Roshangar, *Panax ginseng* extract improves follicular development after in vitro 3D mouse preantral follicle culture, *Cell Journal (Yakhteh)*, 2019; 21; 2; 10.
10. Majid Shokoohi, Arash Khaki, Amir Afshin Khaki, Elaheh Ouladsahebmadarek, Malihe Soltani, Hamed Shoorei, Investigating the effects of onion juice on male fertility factors and pregnancy rate after testicular torsion/detorsion by intrauterine insemination method, *International Journal of Women's Health and Reproduction Sciences*, 2018, 6; 4; 499–505.
11. Fariba Khodaeifar, Seyyed Mohammad Bagher Fazljou, Mohammadali Torbati, Elaheh Oulad Saheb- Madarek, Amir Afshin Khaki, Majid Shokoohi, Amir Hossein Dalili, The Effect of Hydroalcoholic Extract of *Cinnamon Zeylanicum* on Oxidative Damages and Biochemical Change in Induced polycystic ovary syndrome, *crescent journal of medical and biological sciences*, 2019; 6: 511–516.
12. Fariba Khodaeifar, Seyyed Mohammad Bagher Fazljou, Mohammadali Torbati, Elaheh Oulad Saheb- Madarek, Amir Afshin Khaki, Majid Shokoohi, Amir Hossein Dalili, The Role of hydroalcoholic extract of *Apium Graveolens* and *Cinnamon Zeylanicum* on metabolically change and ovarian oxidative injury in a rat model of PCOS, *International Journal of Women's Health and Reproduction Sciences*, 2019, 7, 1, 92-98
13. Farnaz Shokri, Majid Shokoohi, Ayda Roudi Rasht Abadi, Hossein Kalarestaghi, The Ameliorative Effect of *Galega officinalis* Extract on Histological Damages, Oxidative Stress

- Induced by Torsion-Detorsion in Adult Rats' Ovarian, *International Journal of Women's Health and Reproduction Sciences* , 2019,7,1,119-123
14. Hamed Shoorei, Arash Khaki, Amir Afshin Khaki, Alireza Ali Hemmati, Maryam Moghimian, **Majid Shokoohi**, The ameliorative effect of carvedilol on oxidative stress and germ cell apoptosis in testicular tissue of adult diabetic rats, *Biomedicine & Pharmacotherapy*, 2019, ,111, 568-578
  15. Ameli Mojtaba, Moghimian Maryam, Saeb Farzaneh, Bashtani Elham, **Shokoohi Majid**, Salimnejad Ramin, Abtahi Hossein, Comparison of the effect of clomiphene citrate and HCG (human gonadotropin hormone) on Sperm Quality and testis Structure in adult rat testis, *Molecular Reproduction and Development*, 2019, DOI:10.1002/mrd.23151.
  16. Seyd-Hosein Abtahi-Evari, **Majid Shokoohi**, Ali Abbasi, Asghar Rajabzade, Hamed Shoorei, Hosein Kalarestaghi, Protective effect of Galega officinalis extract on Streptozotocin-induced kidney damage and biochemical factor in diabetic rats, *Crescent Journal of Medical and Biological Sciences*,2017, 4, 108-114.
  17. Hamid Tayefi Nasrabadi, Ali Abedelahi, Hamed Shoorei, **Majid Shokoohi**, Ramin Salimnejad, Mohammad Amin Dolatkah, Abbas Majdi Seghinsara, A variation of Musculocutaneous nerve without piercing the coracobrachialis muscle while communicating to the median nerve: A case report and literature review, *International journal of surgery case reports*, 2017, 41, 453-455.
  18. Ramin Salimnejad, Arash Hasirbaf Momtaz, Ziba Ghoreishi, **Majid Shokoohi**, Daniyal Bolandhemmat, Mohammad Amin Dolatkah, Hamed Shoorei, Seyyed Mostafa Ghavami, Thyroglossal duct cyst coexisting with a fistulous tract: A rare case report and literature review, *Journal of pediatric surgery case reports*, 2018, 28, 59-61
  19. **M. Shokoohi**, H. Shoorei, A. Khaki, A. A. Khaki, M. Moghimian, S.-H. Abtahi-Eivary, Hesperidin attenuated apoptotic-related genes in testicle of a male rat model of varicocele, *Andrology*, <https://doi.org/10.1111/andr.12681>: 24 June 2020.
  20. **Majid Shokoohi**, Malihe Soltani, Seyd-Hosein Abtahi-Eivary, Vahid Niazi, Mohammad Javad Rafeei Poor5, Hooman Ravaei, Ramin Salimnejad, Moghimian Maryam, Shoorei Hamed, Effect of hydro-alcoholic extract of *Olea europaea* on apoptosis-related genes and oxidative stress in a rat model of torsion/detorsion-induced ovarian damage, *Asian Pacific Journal of Reproduction*,2019; **DOI**: 10.4103/2305-0500.262831
  21. Hamed Shoorei, Majid Banimohammad, Maziar M Kebria, Mohammad Afshar, Mohammad MH Taheri, **Majid Shokoohi**, Mohammad SG Farashah, Mina Eftekharzadeh, Omid Akhiani, Robert Gaspar, Hamidreza Pazoki-Toroudi, Hesperidin improves the follicular development in 3D culture of isolated preantral ovarian follicles of mice, *Experimental Biology and Medicine*,2019;244;5;352-3614
  22. Ivary SH, Jajarmy N, Shahri MK, **Shokoohi M**, Shoorei H, Ebadi A, Moghimian M, Sigaroodi F. Effect of fish and flaxseed oil supplementation on isoprenaline-induced

- myocardial infarction in rats: Inhibition of mitochondrial permeability transition pore opening. *Crescent J Med Biol Sci.* 2019;6:158-63.
23. Aref Delkhosh Masoud Delashoub Ali Asghar Tehrani Ali Mohammad Bahrami Vahid Niazi Hamed Shoorei Majid Banim Hossein Kalarestaghi **Majid Shokoohi** Amin Agabalazadeh Mahdi Mohaqiq, Upregulation of FSHR and PCNA by administration of coenzyme Q10 on cyclophosphamide-induced premature ovarian failure in a mouse model, *journal of biochemical and molecular toxicology*, 2019; <https://doi.org/10.1002/jbt.22398>
  24. H Shoorei, A Khaki, **M Shokoohi**, AA Khaki, A Alihemmati, M Moghimian, SH Abtahi-Eivary, Evaluation of carvedilol on pituitary and sexual hormones and their receptors in the testicle of male diabetic rats, *Human & Experimental Toxicology*, 2020, <https://doi.org/10.1177/0960327120909525>
  25. Rasooli S, Moslemi F, Ari R, Shenav HV, **Shokoohi M**. Comparison of hemodynamic changes due to endotracheal intubation with labetalol and remifentanyl in severe preeclamptic patients undergoing cesarean delivery with general anesthesia. *Int J Women's Heal Reprod Sci.* 2019 Jan 1;7:515-9.
  26. **Shokoohi M**, Farashah MS, Khaki A, Khaki AA, Ouladsahebmadarek E, Nezhad RA. Protective effect of fumaria parviflora extract on oxidative stress and testis tissue damage in diabetic rats. *Crescent J Med Biol Sci.* 2019 Jul;6(3):355-60.
  27. Nava Ainehchi, Arash Khaki, Elaheh Ouladsahebmadarek, Mohamad Hammadeh, Laya Farzadi, Azizeh Farshbaf-Khalili, Solmaz Asnaashari, Hossein Khamnei, Amir Afshin Khaki, **Majid Shokoohi**, The effect of clomiphene citrate, herbal mixture, and herbal mixture along with clomiphene citrate on clinical and para-clinical parameters in infertile women with polycystic ovary syndrome: a randomized controlled clinical trial, *Archives of Medical Science*, 2019; DOI: <https://doi.org/10.5114/aoms.2020.93271>.
  28. Moghimian M, Abtahi-Eivary SH, Jajarmy N, Shahri MK, Adabi J, **Shokoohi M**. Comparing the effect of flaxseed and fish oils on acute ischemia-reperfusion injury in the rat kidney. *Crescent Journal of Medical and Biological Sciences.* 2019;6(1):6-12.
  29. Mohammad Amin Dolatkhan **Majid Shokoohi** Sheida Charvandeh Eva Tvrdá Hamed Shoorei Maryam Moghimian Alireza Alihemmati, Fumaria parviflora regulates oxidative stress and apoptosis gene expression in the rat model of varicocele induction, *Andrologia*, 2020, <https://doi.org/10.1111/and.13826>
  30. Bitá Barghi, Majid Shokoohi, Amir Afshin Khaki, Arash Khaki, Maryam Moghimian, and Malihe Soltani, Eugenol improve the tissue damage and oxidative stress in adult female rat after ovarian torsion/detorsion, *journal of obstetrics and gynaecology*, 2020, Accepted.

31. Amiri Shadmehri Mohammad, Jaras Mitra, Soleymani Bagher, Hashem Zehi Fazlollah, **Shokoohi Majid**, Hojjati Hamid, Success Rate of Laparoscopic Pyeloplasty in The Treatment of Ureteral Pelvic Junction Obstruction, *Crescent Journal of Medical and Biological Sciences*, 2018; 5: 258–261
32. Farzaz Shokri, **Majid Shokoohi**, Hamid Reza NiazKar, Ayda Roudi Rash Abadi, Hossein Kalarestaghi, Maliheh Ahin, investigation the spermatogenesis and testis structure in diabetic rats after treatment with Galega Officinalis extract, *crescent journal of medical and biological sciences*, 2019, 7;1;31-36.
33. Hamid Tayefi Nasrabadi, Ali Abedelahi, Hamed Shoorei, **Majid Shokoohi**, Ramin Salimnejad, Mohammad Amin Dolatkah, Abbas Majdi Seghinsara, A variation of Musculocutaneous nerve without piercing the coracobrachialis muscle while communicating to the median nerve: A case report and literature review, *International journal of surgery case reports*, 2017, 41, 453-455.
34. Mohammad Amin Dolatkah, Ali Saadati Shamir, **Majid Shokoohi**, Hossein Kalarestaghi, Ali Delshad Noghabi, Seyyed Mostafa Ghavami, Nazila Asgharan, Hamed Shoorei, A Rare Case Report of Idiopathic Primary Hypoparathyroidism Coexisting with Shortening of Third to Fifth Metacarpal Bones, *Crescent Journal of Medical and Biological Sciences*, 2018, 5 (2), 262–264
35. Abtahi-Eivari SH, **Shokoohi M**, Ghorbani M, Kalarestaghi H, Shoorei H, Bahrami J, Ghoreishi Z. Effects of hydroalcoholic extracts of cloves (*Syzygium aromaticum*) on the serum biomarkers, antioxidant status, and histopathological changes of kidneys in diabetic rats. *Crescent Journal of Medical and Biological Sciences*. 2021;8(4):269-75.
36. Nejad SR, Khaki A, Abbasalizadeh S, **Shokoohi M**, Ainehchi N. Protective effect of hydroalcoholic extract of orange peel on PCNA and FSH-R gene expression in histological damage and oxidative stress due to ovarian torsion in adult rats. *International Journal of Women's Health and Reproduction Sciences*. 2021;9(3):205-11.
37. Hadisi N, Abedi H, **Shokoohi M**, Tasdemir S, Mamikhani S, Meshgi S, Zolfagharzadeh A, Roshangar L. COVID-19 and Endocrine System: A Cross-Sectional Study on 60 Patients with Endocrine Abnormality. *Cell Journal (Yakhteh)*. 2022 Apr;24(4):182.
38. Dolatkah MA, Khezri S, **Shokoohi M**, Alihemmati A. The effect of *Fumaria parviflora* on the expression of sexual hormones along with their receptors in testicles of adult rats induced by varicocele. *Andrologia*. 2022 Oct;54(9):e14512.
39. Roshanaee MK, Abtahi-Eivary SH, **Shokoohi M**, Fani M, Mahmoudian A, Moghimian M. Protective effect of minocycline on Bax and Bcl-2 gene expression, histological damages and oxidative stress induced by ovarian torsion in adult rats. *International Journal of Fertility & Sterility*. 2022 Jan;16(1):30.

40. **Shokoohi M**, Khaki A, Roudi Rasht Abadi A, MohammadZadeh Boukani L, Hassanpour Khodaie S, Kalarestaghi H, Khaki AA, Moghimian M, Niazkar HR, Shoorei H. Minocycline can reduce testicular apoptosis related to varicocele in male rats. *Andrologia*. 2022 May;54(4):e14375.
41. Abouee-Mehrizi A, Saed-Moucheshi S, Rasoulzadeh Y, Mehdipour A, Mohammadoghli-Reyhan F, Iraj Z, Alihemmati A, **Shokoohi M**. Toxicological Effects of Simultaneous Exposure to Toluene and Noise on some Sexual and Stress Parameters in New Zealand White Rabbits. *Pollution*. 2023 Jan 1;9(1):126-38.

## BOOKS

- Biology of reproduction: from gamete to embryo, 2021, (in Persian)  
Effect of Covid-19 on the Human Reproductive, 2022, (in Persian)

## LANGUAGES

- Persian: Native
- English: Fluent

## ACADEMIC EXPERIENCES AND PROJECTS

- Member of the Student Committee of Anatomical Sciences and Embryology in Iran. (2015 – up to now)

## SKILLS

- **Interpersonal skills:** Coached and collaborated with other scientists, outlining objectives, methodology, and conclusions, actively listening to people and stimulating interest and discussion. Exchanged constructive feedback and support and learned delegating responsibility.
- **Adaptability:** Collaborated and communicated at all professional levels, and with people from diverse origins and cultures. Can work both independently and in team settings. Adapted to living abroad, increased my command of English, learned perseverance and self-motivation.
- **Management and organization:** Managed several projects and collaborations in parallel, planned work to achieve goals and targets on time, set realistic objectives, developed creative solutions to problems. Attended introductory courses of management. Used to seek and critically assess large amounts of information, to define the cause of problems, determine available options and to use my own experience and that of others to move things forward.
- **Teaching:** Supervised and taught technicians and M.Sc. students, adapting to different scientific levels and backgrounds, stimulating discussion and reflexion.



- **Technical Skills:** Cell culture, in vitro preantral ovarian follicle culture, induction of several models (PCOS, Torsion-detorsion, Diabetes, Varicocele, flap surgery in testis, IUI in Rat and lab animal, IVF in Rat and other lab animal), RNA extraction, reverse transcription, PCR, IHC, ELISA fluorescence and light microscopy, animal manipulation.
- **Software: SPSS, Excel, PPT, Word, EndNote**

## REFERENCES

### **1: Prof. Dr. Amir Afshin Khaki (Clinical Embryologist, PhD)**

Department of anatomical sciences, faculty of medicine, Tabriz University of Medical Sciences, Tabriz, Iran

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Hamburg, Germany

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### **2: Dr. Arash Khaki (DVM, PhD)**

Associate professor in women reproductive health research center, Tabriz University of Medical Sciences, Iran

Active member in American Society of Andrology (ASA), USA. Fellowship of toxicology from university of Barcelona-Spain. Members in European Society of Pathology, (ESVP). Members in international society of gynecology endocrinology, (ISGE). Editor in chief of international journal of women's health and reproduction sciences. Research manager of women reproductive health research center, Tabriz University of Medical Sciences, Tabriz, Iran

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