



Tabriz University of Medical Sciences (TUOMS)  
School of Medicine

## Curriculum Vitae

### Personal Data:

**First name:** Ali

**Last name:** Abedelahi

**Nationality:** Iranian

**Date of birth:** 9.9.1974

**Place of birth:** Marand- East Azerbaijan

**Marital status:** Married

**Specialty:** Anatomical Sciences

**Academic rank:** Full Professor

**Department/Research Center:** Anatomical Sciences

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***h*-index (Scopus):** 12

**ORCID ID:** 0000-0002-9489-8178

**Scopus ID:** 24831918500

**Researcher ID:** L-8655-2017

**ORCID:** 0000-0002-9489-8178

## Fields of interest

Regenerative Medicine – Reproductive biology and tissue engineering

## Skills: (language, software...)

Ovarian tissue vitrification, Regenerative Medicine, IVM, IVF and embryo development and embryo manipulation,

## Educational Background:

Date	Degree	Institution	Country
1993-1998	A.Sc. and B.Sc. Radiology	Uromieh and Tabriz University of Medical Sciences	Iran
2002-2005	M.Sc. Anatomical Sciences	Tabriz University of Medical Sciences	Iran
2005-2009	Ph.D. Anatomical Sciences	Tarbiat Modares University	Iran

## Sabbaticals:

Start and End Date (month/year)	Details

## Thesis

Degree	Title
Ph.D.	Comparison of morphology and ultrastructure of mouse ovarian follicles, in vitro culture of antral follicles in vitrified ovaries with conventional and direct cover vitrification Comparison of morphology, ultrastructure and apoptosis of bovine ovarian follicles, in vitro culture of antral follicles in vitrified ovaries with conventional and direct cover vitrification Evaluation of ultrastructural changes and apoptosis in adult mice ovary following Anti-cancer (chemotherapy) drugs and GnRH antagonist therapy. Monitoring the ovaries after autotransplantation of vitrified
Ph.D.	Mouse ovarian tissue: Endocrine studies, morphology, ultrastructure and in vitro maturation.
Ph.D.	Ovarian Epithelial Stem cells and Endometrial Stem cells isolation, differentiation and culture.

## Educational experience

### Teaching

Date (month/year)	Course Name, Venue (Institution, Address)
2002-2005	Instructor in Anatomy, Histology for medical Students and dissector of cadaver in Iran University of Medical Sciences, Iran.
2005-2009	Anatomy, Histology and embryology teaching for medicine student, Tehran University of Medical Sciences, Tarbiat Modares University
2009 - Now	Teacher of Anatomy, Histology and embryology for Medical and medical group. Students, in Tabriz University of medical Science, Iran
2012- Now	Cryopreservation, Ph.D. Student reproductive biology and Tissue engineering, Tabriz University of medical Science
2010- Now	Sectional and radiological Anatomy, Ph.D. student Anatomical Sciences, Tabriz University of medical Science

### Workshop(s)

Date (month/year)	Course Name, Venue (Institution, Address)

### Lecture(s)

Date (month/year)	Details
Alpha 2008; Biennial Conference, Istanbul, Turkey.	Abdelahi Ali, Salehnia M, Allameh AA. The effects of different concentrations of sodium selenite on the in vitro maturation of preantral follicles in serum-free and serum supplemented media.
13 <sup>th</sup> World Congress of Human Reproduction 2009, Venezia, Italy.	Abdelahi Ali, Salehnia M, Allameh AA. Effect of selenium on reactive oxygen species and total antioxidant levels in mouse vitrified ovarian tissue.
3 <sup>th</sup> International Congress and Student Award in Reproductive Medicine, 2009; Yazd, Iran.	Abdelahi Ali, Salehnia M, Allameh AA. The effect of selenium on the reactive oxygen species concentration of cultured preantral follicles from vitrified mouse ovaries using conventional and direct cover technique.
4 <sup>th</sup> International Congress and Student Award in Reproductive Medicine, 2011; Yazd, Iran.	Abdelahi Ali, Salehnia M, Allameh AA. The effect of selenium on the reactive oxygen species concentration of cultured preantral follicles from vitrified mouse ovaries using conventional and direct cover technique.
4 <sup>th</sup> International Congress and Student Award in Reproductive Medicine, 2011; Yazd, Iran.	Sabetkam Sh, Roshangar L, Soleimanirad J, hemmati AR, Abdelahi Ali. Evaluation of fertility after oxidative stress induced by BSO on ovume in in-vitro in mice.
11 <sup>th</sup> congress of European Association of	Abdelahi Ali, Salehnia M, Allameh AA, Davoodi D. Effect of sodium

Clinical Anatomy (EACA) held jointly with summer meeting of British Association of Clinical Anatomists (BACA). 2011; Padova, Italy	selenit on reactive oxygen species production, total antioxidant capacity, and glutathione peroxide activity of in vitro cultured follicles derived from vitrified mouse ovary.
Joint Meeting of Anatomical Societies. 2011, Bursa, Turkey.	Roshangar L, Rad JS, Sabetkam S, Rezazadeh A, Hemmati A, Abedelahi Ali. Study of the effect of oxidative stress on ovarian morphology and fertility ovum in in-vitro in mice.
12 <sup>th</sup> Royan International Congress on Reproductive Biomedicine. 2011; Tehran, Iran.	Abedelahi Ali, Mohammadnejad D, Mohammadi-Roushandeh A. The effects of GnRH antagonist (cetrolix) on survival rate of ovarian follicles in anticancer treatment mice.
12 <sup>th</sup> Royan International Congress on Reproductive Biomedicine. 2011; Tehran, Iran	Rashtbar M, Mohammadnejad D, Abedelahi Ali, Soleimani Rad J, Mohammadi-Roushandeh A. Protection role of GnRH antagonist (cetrolix) on cisplatin infertility side effect..
12 <sup>th</sup> Royan International Congress on Reproductive Biomedicine. 2011; Tehran, Iran.	Mohammadnejad D, Abedelahi Ali, Mohammadi-Roushandeh A. Survival rate study of GnRH potential in inhibition of side effect of drug used in chemotherapy.
3 <sup>rd</sup> International and 18 <sup>th</sup> National Congress of Iranian Society for Reproductive Medicine. 2012; Tabriz, Iran.	Abedelahi Ali, Mohammadnejad D, Soleimani-Rad J, Roshangar L, Owchi M. A new vitrification method-novel direct cover vitrification-for mouse ovarian tissue cryopreservation improves follicle preservation.
3 <sup>rd</sup> International and 18 <sup>th</sup> National Congress of Iranian Society for Reproductive Medicine. 2012; Tabriz, Iran.	Sabetkam Sh, Roshangar L, Soleimani-Rad J, Abedelahi A. Effect of oxidative stress induced by BSO on histology of fallopian tubes, endometrium in mice.
13 <sup>th</sup> Royan International Twin Congress on Reproductive Biomedicine and 7 <sup>th</sup> Royan Nursing and Midwifery Seminar 2012; 6: supp 1. Tehran, Iran	Abedelahi Ali, Mohammadnejad D, Nikpour F, Taiefi-Nasrabadi H. Evaluation of Apoptosis in Germ Cells, following Treatment with Vincristine and Cetrorelix (GnRH Antagonist).
13th Iranian Anatomical sciences Congress, 2018, Hamedan, Iran.	B Valipour, SM Mohammadi, Ali Abedelahi, E Naderali, H Nozad-charoudeh. Ether extract metabolites from Streptomyces levis ABRIINW111 increased apoptosis and reduced proliferation in acute lymphoblastic leukemia.
6th International Congress Basic and clinical Neurosciences, 2017, Tehran, Iran.	Mohammad Karimipour, Mohammad Shimia, Ali Abedelhahi. Human mesenchymal stem cells promote functional improvement through coupling expression of neurotrophic factors and neural stem cells differentiation in a rat model of Alzheimer's disease.
13th Iranian Anatomical sciences Congress, 2018, Hamedan, Iran.	HT Nasrabadi, Ali Abedelahi, M Ezzati G Bahlakeh, R Kheirjou, ML Ataei. Variations in the Branches of Axillary Artery.
13th Iranian Anatomical sciences Congress, 2018, Hamedan, Iran.	S Rajaei, Ali Abedelahi. Effect of genistein on microRNA 21 level in rats with induced polycystic ovary syndrome.
13th Iranian Anatomical sciences Congress, 2018, Hamedan, Iran.	N Behmanesh, Ali Abedelahi, Alireza Alihemmati, HN Charoudeh. Effects of vitamin D supplementation on the follicular development, gonadotropins and sex hormone level and insulin resistance in induced polycystic ovary syndrome.
13th Iranian Anatomical sciences Congress, 2018, Hamedan, Iran.	Samran khezri, Alireza Alihemmati, Ali Abedelahi. Effects of genistein on the follicular structure and hormonal changes in induced polycystic ovary syndrome.
Iranian Congress of basal ganglia of brain 2005, Tehran, Iran	Abedelahi Ali, Hadizadeh H, Joghataie MT, Negahdar F Morphometric and Volumetric Study of human brain by MRI..
Iranian Congress of basal ganglia of brain 2005, Tehran, Iran.	Jameie SB, Najafzade N, Abedelahi Ali, Azami A. Comparative study of basal ganglia in vertebrate.
7 <sup>th</sup> Iranian Congress of Anatomical sciences, 2006, Kashan, Iran	Abedelahi Ali, Hadizadeh H, Joghataie MT, Negahdar F, Shakeri N. Morphometric, volumetric study and hemispheric differences in human

	caudate nucleus by MRI..
3 <sup>th</sup> Iranian Congress of Neuropsychology 2007, Tehran, Iran.	Hasanzade H, Hasani J, Abedelahi Ali. Conceptual basis of converting the raw signals to metrics of frontal EEG asymmetry in emotion.
22nd Iranian Congress of Radiology 2007, Tehran, Iran.	Abedelahi Ali, Hadizadeh H, Joghataie MT, Negahdar F, Shakeri N Morphometric and Volumetric Study of Basal Ganglia by MRI.
8 <sup>th</sup> Iranian Congress of Anatomical sciences, 2008, Tehran, Iran.	Abedelahi Ali, Hadizadeh H, Joghataie MT, Negahdar F, Shakeri N. Morphometric, volumetric study and hemispheric differences in human putamen nucleus by MRI.
23rd Iranian Congress of Radiology 2008, Shiraz, Iran.	Abedelahi Ali, Hadizadeh H, Joghataie MT, Negahdar F, Shakeri N Morphometric and Volumetric Study by MRI.
14 <sup>th</sup> Congress of Iranian Society for Reproductive Medicine, 2008 Yazd, Iran.	Abedelahi Ali, Salehnia M, Allameh AA. Direct Cover Vitrification.
Congress Reproductive Medicine and Laparoscopy, 2008 Tabriz, Iran.	Abedelahi Ali, Salehnia M, Allameh AA. The comparison ultrastructural and morphometric characterization of follicles after conventional and direct cover vitrification of mouse ovarian tissue.
15 <sup>th</sup> Congress of Iranian Society for Reproductive Medicine. 2009; Tehran, Iran.	Abedelahi Ali, Salehnia M, Allameh AA. Effect of sodium selenit on the reactive oxygen species production and total antioxidant capacity during in vitro maturation of mouse preantral follicles.
Seminar of New Educational Methods in Anatomical Science. 2009; Tabriz, Iran	Abedelahi Ali. Application of MRI in anatomical structure and Morphometry of brain.
Seminar of New Educational Methods in Anatomical Science. 2009; Tabriz, Iran.	Abedelahi Ali, Moslem M, Mazaheri Z. Anatomical Science in Iran.
16 <sup>th</sup> Congress of Iranian Society for Reproductive Medicine. 2010; Shiraz, Iran.	Abedelahi Ali, Salehnia M, Allameh AA. Detection and monitoring of Reactive Oxygen Species formation by Dichlorofluorescein in cultured preantral follicles that derived from vitrified and non-vitrified mouse ovary.
9 <sup>th</sup> Iranian Congress of Anatomical sciences, 2010, Hamedan, Iran.	Abedelahi Ali, Salehnia M, Allameh AA. Sodium selenit protect cultured preantral follicles of vitrified and non-vitrified ovaries from oxidative damage.
9 <sup>th</sup> Iranian Congress of Anatomical sciences, 2010, Hamedan, Iran.	Vahedi P, Moghaddam SF, Abedelahi Ali. Education and teaching method in anatomy.
10 <sup>th</sup> Iranian Anatomical sciences Congress, 2012, Guilan, Iran.	Abedelahi Ali, Salehnia M, Allameh AA, Davoodi D. The uso of confocal microscope for production of oxidative stress in cultured follicles.
10 <sup>th</sup> Iranian Anatomical sciences Congress, 2012, Guilan, Iran.	Abedelahi Ali, Mohammadnejad D, Taiefi-Nasrabadi H. Cetrorelix protect effect sides of ovarian follicles.
10 <sup>th</sup> Iranian Anatomical sciences Congress, 2012, Guilan, Iran.	Sabetkam Sh, Roshangar L, Soleimani-Rad J, Alihemmati A, Abedelahi A. Steriology and morphometric study in impact of oxidative stress on ovarian tissue.
5 <sup>th</sup> Motahhari Festival and congress 2012- Educational Techniques, Sari, Iran.	Owchi M, Ganbari AA, Soleimani-Rad J, Shafaie H, Taiefi-Nasrabadi H, Abedelahi Ali. Education of Anatomy in central nervous system by Animal models and effectiveness on medicine students.
The 1 <sup>st</sup> National Congress of Educationl Methods in Bioedical Sciences, Esfahan, Iran.	Owchi MA, Zarrintan A, Ganbari AA, Taiefi-Nasrabadi H, Abedelahi Ali, Shafaie H. Education of Anatomy in central nervous system by Animal models and effectiveness on medicine students.
The 1 <sup>st</sup> National Congress of Educationl Methods in Bioedical Sciences, Esfahan, Iran.	Abedelahi Ali, Owchi MA, Montaseri A, Mardi S, Madadi M, Zarrintan A. Multimedia Education Packages Anatomy for dentist and effectiveness on dentistry students.
2017, Semnan, Iran.	Shima Moshfegh, Hadi Hasanzadeh, Majid Jadidi, Majid Mirmohammadkhani, Ahmad Bitarafan-Rajabi, Abedelahi Ali. Evaluation the knowledge, attitude and practice of personnel in operating room, ERCP, and ESWL about radiation protection

## Research Activities:

### Research areas, Interests

Ovarian tissue vitrification, Regenerative Medicine, IVM, IVF and embryo development and embryo manipulation,

### Books:

N	Title	authors	Publisher	Authorship/ Translation/
1	General Anatomy	Vahedi, Abedelahi	Entesharat baray farda	Authorship

### Selected articles:

N	Title	authors	Journal	Year	Indexed
1	The effects of different concentrations of sodium selenite on the in vitro maturation of preantral follicles in serum-free and serum supplemented media	<b>Abedelahi Ali</b> , Salehnia M, Allameh AA	J Assist Reprod Genet 2008; 25:483–488	2008	
2	Comparison of ultrastructure and morphology of mouse ovarian follicles after conventional and direct cover vitrification using different concentrations of ethylene glycol	<b>Abedelahi Ali</b> , Salehnia M, Allameh AA, Hajizade E	Iranian J Rep Med (IJRM). 2009; 7(2): 45-52	2009	
3	Sodium selenite improves the in vitro follicular development by reducing the reactive oxygen species level and increasing the total antioxidant capacity and glutathione peroxide activity	<b>Abedelahi Ali</b> , Salehnia M, Allameh AA, Davoodi D	Human Reproduction. 2010; 25(4): 977– 985	2010	
4	A morphometric magnetic resonance imaging study of age and gender-related volumetric changes of putamen nucleus in healthy Humans	<b>Abedelahi Ali</b> , Hasanzadeh H, Hadizadeh H, Joghtai MT, Negahdar F, Shakeri S.	Medical Journal of Semnan. 2010; 11(4): 231-240	2010	
5	Introducing a simple tissue equivalent anthropomorphic phantom for radiation dosimetry in	Hasanzadeh H, <b>Abedelahi Ali</b>	Journal of Paramedical	2011	

	diagnostic radiology and radiotherapy		Sciences 2011; 3(4), 25-29		
6	Impact of BSo-induced oxidative stress on oocyte fertilization: An in-vitro study.	Roshangar L, Sabetkam Sh, <b>Abdelahi A</b> , Soleimani-Rad J.	Annals of Biological Research, 2012;3 (1):49-56.	2012	
7	Abdelahi Ali, Hasanzadeh H. MRI based morphometry of caudate nucleus in normal persons. Journal of Paramedical Sciences 2013;4 (2).				
8	Mohammadnejad D, Abdelahi A, Soleimani-rad J, Mohammadi-roshandeh A, rashtbar M, Azami A. Degenerative Effect of Cisplatin on Testicular Germinal Epithelium. Advanced Pharmaceutical Bulletin, 2012;2(2):173-177.				
9	Mohammadnejad D, Abdelahi Ali, rashtbar M. Protective Role of GnRH Antagonist on Chemotherapy-induced Spermatogenesis Disorder: A Morphological Study. Advanced Pharmaceutical Bulletin, 2013;3(2): 323-328.				
10	Abdelahi Ali, Rezaie-Tarivani M, Mohammadnejad D. Fertility Preservation Among the Cancer Patients by Ovarian Tissue Cryopreservation, Transplantation, and Follicular Development. Iran J Cancer Prev, 2013;3:123-32				
11	Mohammadnejad D, Soleimani rad J, Abdelahi Ali, Peirovi T. Study of the preventive effects of cetronelix on blood-testis barrier and spermatogenesis injuries caused by chemotherapy wich cisplatin in adult Balb/C mice. Journal of Veterinary Clinical Pathology, 2013;7(25):1774-1785. (Persian).				
12	Abdelahi Ali, Hasanzadeh H, Hadizadeh H, Joghataie MT. Morphometric and volumetric study of caudate and putamen nuclei in normal persons by MRI: Effect of normal aging, gender and hemispheric differences. Pol J Radiol 2013;78(3):7-14.				
13	Majdi A, Niknafs B, Tayefi H, Roshangar L, Abdelahi Ali, Sayyhmelli M, Soleimani Rad J. Estrogen promotes GDF9 and BMP15 gene expressions in cultured ovarian surface epithelial (OSE) stem cell in women over 35 years. Jokull Journal. 2013; 63:159-175.				
14	Hasanzadeh H, Rezaie-Tavirani M, Seyyedi S, Zali H, Heydari Keshel S, Jadidi M, Abdelahi Ali. Effect of ELF-EMF exposure on human neuroblastoma cell line: a proteomics analysis. Iran J Cancer Prev, 2014;7: 22-27.				
15	Majdi A, Niknafs B, Soleimani Rad J, Tayefi H, Abdelahi Ali, Roshangar L, Sayyhmelli M. Differentiation of Human Ovarian Surface Epithelial (OSE) Stem Cells into Primary Follicles. Jokull Journal. 2014; 64:134-142.				
16	Mohammadnejad Daryosh, Tayefi-nasrabadi Hamid, Naghibi Mehran, Abdelahi Ali. Cetrorelix preserves follicular viability in Cyclophosphamid-induced ovarian toxicity. International Journal of Research in				

- 17 Tayefi Nasrabadi H, Gavami M, Akbarzadeh A, Beheshti R, Mohammadnejad D, Abedelahi A. Preservation of mouse ovarian tissue follicle morphology and ultra-structure after vitrifying in biotechnological protocols. *J Ovarian Res.* 2015;8(1):7.
- 18 Maryam Gavami, Daryosh Mohammadnejad, Jafar Solmani-rad, Rahim Beheshti, Ali Abedelahi. Ultrastructural and Morphological changes of mouse ovarian tissue after direct cover vitrification with different cryoprotectant. *J Reprod Infertil.* 2015;16(3): 138-147.
- 19 Rezaian J, Namavar MR, Vahdati Nasab H, Hojabri Nobari AR, Abedelahi Ali. Foramen Tympanicum or Foramen of Huschke: Bioarcheological study from Iron Age cemetery in the Tabriz Kabud Mosque zone. *Iranian Journal of Medical Sciences* 2015;40(4).
- 20 Farzollahi M, Tayefi-Nasrabadi H, Mohammadnejad D, Abedelahi A. Supplementation of culture media with vitamin E improves mouse antral follicle maturation and embryo development from vitrified ovarian tissue. *J Obstet Gynaecol Res.* 2016 May;42(5):526-35.
- 21 Dastan M, Najafzadeh N, Abedelahi A, Sarvi M, Niapour A. Human platelet lysate versus minoxidil stimulates hair growth by activating anagen promoting signaling pathways. *Biomed Pharmacother.* 2016;84:979-986.
- 22 Sanaz Gholami, Seyede Momeneh Mohammadi, Aliakbar Movasaghpour Akbari, Ali Abedelahi, Alireza Alihemmati, Shirin Fallahi, Hojjatollah Nozad Charoudeh, Terminal Deoxynucleotidyl Transferase (TdT) Inhibition of Cord Blood Derived B and T Cells Expansion. *Adv Pharm Bull*, 2017, 7(2), 215-220.
- 23 Seyed Mohsen Razavi, Abbas Majdi Seghinsara, Ali Abedelahi, Ramin Salimnejad, Hamid Tayefi. Effect of Vitamin E and Selenium on Oxidative Stress and Tissue Damages Induced by Electromagnetic Fields in Immature Mice Ovarian. *Crescent Journal of Medical and Biological Sciences* Vol. 4, No. 3, July 2017, 120–125.
- 24 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.
- 25 Shima Moshfegh, Hadi Hasanzadeh, Majid Jadidi, Majid Mirmohammadkhani, Ahmad Bitarafan-Rajabi, Ali Abedelahi, Alireza Emadi, Mitra Bokharaeian, Fatemeh Shabani, Hamed Masoumi, Danial Seifi, Tahereh Khani, Mohamad Sanchooli, Athar Ehtiati, Shima Amin, Mohammad Hosein Vali, Asghar Maziar, Sanaz Vali, Mohsen Bigdeli Pashaei. Evaluation of Knowledge, Attitude and Practice of Personnel in Operating Room, ERCP, and ESWL Towards Radiation Hazards and Protection. *Middle East Journal of Rehabilitation and Health Studies*, 2017;4:3.
- 26 Fatemeh Shabani, Hadi Hasanzadeh, Alireza Emadi, Majid Mirmohammadkhani, Ahmad Bitarafan-Rajabi,



- Ali Abdelahi, Mitra Bokharaeian, Hamed Masoumi, Danial Seifi, Tahereh Khani, Mohamad Sanchooli, Shima Moshfegh, Abbas Ziari. Radiation Protection Knowledge, Attitude, and Practice (KAP) in Interventional Radiology. *Oman medical journal*, 2018; 23:141.
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- 27 Hamed Masoumi, Hadi Hasanzadeh, Majid Jadidi, Majid Mirmohammadkhani, Ahmad Bitarafan-Rajabi, Ali Abdelahi, Alireza Emadi, Mitra Bokharaeian. A survey on radiation protection status in radiology staff. *Iranian Journal of Medical Physics*, 2018;1:12.
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- 28 Shima Moshfegh, Hadi Hasanzadeh, Majid Jadidi, Majid Mirmohammadkhani, Ahmad Bitarafan-Rajabi, Abdelahi Ali. Assessment of Knowledge, Attitude and Practice of Operating Room Personnel's of Iran about Radiation Protection. *Koomesh*, 2018; 20(3): 550-554. (Persian).
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- 29 Ezzati M, HT Nasrabadi, Abdelahi Ali, G Bahlakeh, R Kheirjou, ML Ataei. Variations in the Branches of Axillary Artery. *International Journal of Anatomical Variations*, 2018;11 (3), 75.
- 30 Shokrzadeh N, Alivand MR, Abdelahi Ali, Hessam Shariati MB, Niknafs B. Upregulation of HB-EGF, Msx. 1, and miRNA Let-7a by administration of calcitonin through mTOR and ERK1/2 pathways during a window of implantation in mice. *Molecular reproduction and development*. 2018; 85 (10): 790-801.
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- 31 Valipour B, Mohammadi SM, Abdelahi Ali, BFA Maragheh, Naderali E, Dehnad A, Nozad-charoudeh H. Culture filtrate ether extracted metabolites from *Streptomyces levis* ABRINW111 increased apoptosis and reduced proliferation in acute lymphoblastic leukemia. *Biomedicine & Pharmacotherapy*. 2018; 108: 216-223.
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- 32 Rajaei S, Alihemmati A, Abdelahi Ali. Antioxidant effect of genistein on ovarian tissue morphology, oxidant and antioxidant activity in rats with induced polycystic ovary syndrome. *International Journal of Reproductive BioMedicine*. 2019; 17(1).
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- 33 Eyvazi M, Tayefi H, Abdelahi Ali, Salimnejad R, Majdi Abbas. Effect of Vitamin E and Sodium Selenite on the Expression of Bax and Bcl2 Genes and Renal Histopathology in the Electromagnetic Field-Exposed Mice. *Crescent journal of medical and biological sciences*, 2019;6 (4):523-528.
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- 34 Shokrzadeh N, Alivand MR, Abdelahi Ali, Hessam Shariati MB, Niknafs B. Calcitonin administration improves endometrial receptivity via regulation of LIF, Muc-1 and microRNA Let-7a in mice. *Journal of cellular physiology*, 2018; 234 (8): 12989-13000.
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- 35 Behmanesh N, Abdelahi Ali, Charoudeh HN, Alihemmati Alireza. Effects of vitamin D supplementation on follicular development, gonadotropins and sex hormone concentrations, and insulin resistance in induced polycystic ovary syndrome. *Turkish journal of obstetrics and gynecology*, 2019; 16 (3): 143.
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- 36 Valipour Behnaz, Velaei Kobra, Abdelahi Ali, Karimipour Mohammad, Darabi Masoud, Nozad Charoudeh Hojjatollah. NK cells: An attractive candidate for cancer therapy. *Journal of cellular physiology*, 2019; 234(11): 19352-19365.

- 37 Del Bakhshayesh AR, Asadi N, Alihemmati A, Nasrabadi HT, Montaseri A, Davaran S, Saghati S, Akbarzadeh A, Abedelahi Ali. An overview of advanced biocompatible and biomimetic materials for creation of replacement structures in the musculoskeletal systems: focusing on cartilage tissue engineering. *Journal of biological engineering*, 2019; 13 (1): 85.
- 38 Del Bakhshayesh AR, Akbarzadeh A, Alihemmati A, Nasrabadi HT, Montaseri A, Davaran S, Abedelahi Ali. Preparation and characterization of novel anti-inflammatory biological agents based on piroxicam-loaded poly- $\epsilon$ -caprolactone nano-particles for sustained NSAID delivery. *Drug Delivery*, 2020; 27 (1): 269-282.
- 39 Shahi Maryam, Mohammadnejad Daruosh, Karimipour Mohammad, Rasta Seyed Hossein, Rahbarghazi Reza, Abedelahi Ali. Hyaluronic Acid and Regenerative Medicine: New Insights into the Stroke Therapy. *Current Molecular Medicine*, 2020; 20(9):675-691.
- 40 Del Bakhshayesh AR, Babaie S, Nasrabadi HT, Asadi N, Akbarzadeh A, Abedelahi Ali. An overview of various treatment strategies, especially tissue engineering for damaged articular cartilage. *Artificial Cells, Nanomedicine, and Biotechnology*, 2020; 48 (1): 1089-1104.
- 41 Valipour B, Abedelahi Ali, Naderali E, Velaei K, Movassaghpour A,..., Nozad charoudeh H. Cord blood stem cell derived CD16+ NK cells eradicated acute lymphoblastic leukemia cells using with anti-CD47 antibody. *Life Sciences*, 2020; 242: 117223.
- 42 Kazemi L, Rahbarghazi R, Salehi R, Abedelahi Ali, Niari SA, Karimipour M, Tayefi Nasrabadi H. Superior synaptogenic effect of electrospun PLGA-PEG nanofibers versus PLGA nanofibers on human neural SH-SY5Y cells in a three-dimensional culture system. *Journal of Molecular Neuroscience*, 2020; 70(12):1967-1976.
- 43 Mohammadnejad D, Eivazi-Ziaie J, Azami A, Valilou M, Rasta H, Abedelahi Ali. The role of Cetrorelix in preservation of morphological and ultrastructural changes in the germinal epithelium of testicular tissue following Cyclophosphamide-induced toxicity in mice. *Veterinary Clinical Pathology*, 2020;14(55):285-299. (Persian).
- 44 Shahi Maryam, Abedelahi Ali, Mohammadnejad Daryoush, Rahbarghazi Reza, Rasta Seyed Hossein, Karimipour Mohammad. Exact location of sensorimotor cortex injury after photochemical modulation; evidence of stroke based on stereological and morphometric studies in mice. *Lasers in medical science*, 2021; 36(1):91-98.
- 45 Asl MM, Rahbarghazi R, Beheshti R, Alihemmati A, Aliparasti MR, Abedelahi Ali. Effects of Different Vitrification Solutions and Protocol on Follicular Ultrastructure and Revascularization of Autografted Mouse Ovarian Tissue. *Cell journal*, 2021; 22 (4): 491-501.
- 46 Shahi Maryam, Mohammadnejad Daruosh, Karimipour Mohammad, Rahbarghazi Reza, Abedelahi Ali. Evaluation of the effect of hyaluronic acid-based biomaterial enriched with tenascin-C on the neural stem

cells behavior" has been accepted for publication in International Journal of Toxicology. International Journal of Toxicology, 2021; 40(3):218-225.

- 47 Bahlakeh G, Rahbarghazi R, Mohammadnejad D, Abedelahi Ali, Karimipour M. Current knowledge and challenges associated with targeted delivery of neurotrophic factors into the central nervous system: focus on available approaches. Cell & Bioscience, 2021; 11(1):181.
- 48 Bahroudi Z, Zarnaghi MR, Izadpanah M, Nasrabadi HT, Abedelahi Ali, Niknafs B, Seghinsara AM. Review of ovarian tissue cryopreservation techniques for fertility preservation. Journal of Gynecology Obstetrics and Human Reproduction, 2022;51(2):102290.
- 49 Azizeh Rahmani Del Bakhshayesh, Soraya Babaie, Behrooz Niknafs, Ali Abedelahi, Ahmad Mehdipour, Maryam Ghahremani-Nasab. High efficiency biomimetic electrospun fibers for use in regenerative medicine and drug delivery: A review. Materials Chemistry and Physics, 2022; 125785.
- 50 Masoumeh Esmailivand, Ali Abedelahi, Kobra Hamdi, Laya Farzadi, Sepide Goharitaban, Amir Fattahi, Behrooz Niknafs. Role of miRNAs in preimplantation embryo development and their potential as embryo selection biomarkers. Reproduction, Fertility and Development, 2022; 34(8) 589-597.
- 51 Samran Khezri, A Alihemmati, Ali Abedelahi. Genistein Blunted Detrimental Effects of Polycystic Ovary Syndrome on the Ovarian Tissue of Rats by Improving Follicular Development and Gonadotropin Secretion. JBRA Assisted Reproduction, 2022; 26 (3), 379.
- 52 M Izadpanah, R Rahbarghazi, AM Seghinsara, Ali Abedelahi. Novel Approaches Used in Ovarian Tissue Transplantation for Fertility Preservation: Focus on Tissue Engineering Approaches and Angiogenesis Capacity. Reproductive Sciences, 2022; 1-12.
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## Research projects:

N	Title	Details
1	Comparison of morphology and ultrastructure of mouse ovarian follicles, in vitro culture of antral follicles in vitrified ovaries with conventional and direct cover vitrification	
2	Comparison of morphology, ultrastructure and apoptosis of bovine ovarian follicles, in vitro culture of antral follicles in vitrified ovaries with conventional and direct cover vitrification	
3	Evaluation of ultrastructural changes and apoptosis in adult mice ovary following Anti-cancer (chemotherapy) drugs and GnRH antagonist therapy.	
4	Monitoring the ovaries after autotransplantation of vitrified mouse ovarian tissue: Endocrine studies, morphology,	

	ultrastructure and in vitro maturation.	
5	Ovarian Epithelial Stem cells and Endometrial Stem cells isolation, differentiation and culture.	

## Positions held: (past- current)

Start and End Date	Job Title, Responsibilities and achievements
2012-2019	Research Deputy
2014-2017	Head of Department Anatomical Sciences
2022-	Student cultural deputy (assistant) Tabriz University of Medical Sciences

## Association Memberships (past and current)

Start and End Date	Job Title, Responsibilities and achievements
Iranian anatomical science society	Anatomical Sciences
Iranian Radiological science society	Radiological Sciences
Iranian Fertility and Sterility society	Reproductive Medicine

## Awards and Recognitions

Start and End Date	Details
3th Reproductive Medicine	Yazd Student award in Reproductive Medicine
4 <sup>th</sup> Reproductive Medicine	Yazd Student award in Reproductive Medicine
Winner of the 5 <sup>th</sup> Festival of Motahhari in Educational Technique, Medicine, 2012;	Tabriz University of medical Sciences and Ministry of health and Medical Education, Iran.