



## Curriculum Vitae (CV)

### Personal information

**Surname:** Babae

**First Name:** Abdolreza

---

**Phone Number:** 09910500778

**E-mail:** [Babae.ab@rums.ac.ir](mailto:Babae.ab@rums.ac.ir)

### Academic background

Degree	Location	Date
<b>B.Sc.</b> In Radiological Technology	Shiraz Uni. (Iran)	2004-2008
<b>M.Sc.</b> In Anatomical Sciences	Kerman Uni. (Iran)	2009-2012
<b>PhD.</b> In Anatomical Sciences	Kerman Uni. (Iran)	2013-2019

## Teaching experiences

Course	Location	Level
<b>Anatomy</b> (Trunk)	Kerman Uni. (Iran)	<b>Microbiology M.Sc.</b> student
<b>Anatomy</b> (upper & lower limb)	Kerman Uni. (Iran)	<b>Physiotherapy</b> students
<b>Anatomy</b> (head & neck)	Kerman Uni. (Iran)	<b>Medical</b> students & <b>Dentistry</b> students
<b>Anatomy</b> (abdomen, pelvic & thorax)	Kerman Uni. (Iran)	<b>Medical</b> students
<b>Anatomy</b> (general)	Azad Uni. (Kerman, Iran)	<b>Medical engineering</b> students
<b>Embryology</b>	Kerman Uni. (Iran)	<b>Medical</b> students
<b>Anatomy</b> (musculoskeletal <u>1</u> & <u>2</u> )	Kerman Uni. (Iran)	<b>Medical</b> students
<b>Histology</b>	Kerman Uni. (Iran) Bam Uni. (Iran)	<b>Medical</b> students
<b>Neuroanatomy</b>	Kerman Uni. (Iran) Bam Uni. (Iran)	<b>Medical</b> students
<b>Sectional Anatomy</b>	Kerman Uni. (Iran)	<b>Radiological technology</b> students
<b>Neuroanatomy</b>	Kerman Uni. (Iran)	<b>Physiology M.Sc.</b> student & <b>Anatomy M.Sc.</b> student
<b>Anatomy</b> (Trunk)	Kerman Uni. (Iran)	<b>Anatomy M.Sc.</b> student
<b>Anatomy</b> (upper & lower limb)	Kerman Uni. (Iran)	<b>Anatomy M.Sc.</b> student
<b>Anatomy</b> (head & neck)	Azad Uni. (Kerman, Iran)	<b>Medical</b> students
<b>Anatomy</b> (upper & lower limb)	Azad Uni. (Kerman, Iran)	<b>Medical</b> students
<b>Radiological imaging systems</b>	Azad Uni. (Kerman, Iran)	<b>Medical engineering</b> students

## Research Activities

1. Ibn Sina as a pioneer in dissection and describe of the circulatory system details and arterial circle of the brain. *A Babae, S Deghani-Soltani, Z Taghipour-shool, A*

*Shabanizadeh, MM Taghavi. Journal of Rafsanjan University of Medical Sciences. 2021; 20 (7): 845-848.*

- 2. Introducing a supernumerary muscle in the anterior compartment of the hand: A cadaveric study.** *A Babae, M Ezzatabadipour, A Saied. Eur. J. Anat 2020; 24 (4): 277-280.*
- 3. Investigation of the radioprotective effect of arbutin on radiation-induced lung injury in rats: a histopathological study.** *SSA Jahanbani, AH Rezaeyan, H Ghaffari, A. Babae, GH Haddadi, MM Moeni, A Jomehzadeh, S Moatamedi, SH Eftekhar-Vaghefi. International Journal of Radiation Research. 2020; 18 (3): 413-420.*
- 4. Pulsed and Discontinuous Electromagnetic Field Exposure Decreases Temozolomide Resistance in Glioblastoma by Modulating the Expression of O6Methylguanine-DNA Methyltransferase, Cuclin-D1, and p53.** *Samereh Dehghani-Soltani, Seyed Hassan Eftekhar-Vaghefi, Abdolreza Babae, Mohsen Basiri, Lily Mohammadipoor-Ghasemabad, Parisa Vosough, Meysam Ahmadi-Zeidabadi. Cancer Biotherapy & Radiopharmaceuticals 2021; 36 (7):579-587.*
- 5. Hippocampal Astrocyte Response to Melatonin Following Neural Damage Induction in Rat.** *Abdolreza Babae, Seyed Hassan Eftekhar-Vaghefi, Samereh DehghaniSoltani, Majid Asadi-shekaari, Nader Shahrokhi, Mohsen Basiri. Basic and Clinical Neuroscience 2021; 12 (2): 177-186.*
- 6. Photobiomodulation and gametogenic potential of human Wharton's jellyderived mesenchymal cells.** *Abdolreza Babae, Seyed Nouredin Nematollahi-Mahani, Samereh Dehghani-Soltani, Mohammad Shojaei, Massood Ezzatabadipour. BBRC 2019; 04.059.*
- 7. Toxicopathological effects of meglumine antimoniate on human umbilical vein endothelial cells.** *Ahmad Khosravi, Iraj Sharifi, Hadi Tavakkoli, Ali Reza Keyhani, Ali Afgar, Zohreh Salari, Mehdi Bamorovat, Fatemeh Sharifi, Tabandeh Khaleghi, Rajender S. Varma, Shahriar Dabiri, Seyed Nouredin Nematollahi-Mahani, Abdolreza Babae, Mahshid Mostafavi, Maryam Hakimi Parizi, Amin Derakhshanfar, Ehsan Salarkia. Toxicology in Vitro 2019; 56, 10-18.*
- 8. The Effects of Olive Leaf Extract on The Testis, Sperm Quality and Testicular Germ Cell Apoptosis in Male Rats Exposed to Busulfan.** *Sepideh Ganjalikhan*

Hakemi, Fariba Sharififar, Tahereh Haghpanah, **Abdolreza Babae**, Seyed Hassan Eftekhar-Vaghefi. Int J Fertil Steril 2019; 13(1): 57-65.

9. **Effects of polarized and non-polarized red-light irradiation on proliferation of human Wharton's jelly-derived mesenchymal cells.** **Abdolreza Babae**, Seyed Nouredin Nematollahi-mahani, Mohammad Shojaei, Samereh Dehghani-Soltani, Massood Ezzatabadipour. BBRC 2018; 504(4), 871-877.
10. **Anthropometric assessment of classroom chairs and determination of classroom chairs' standard dimensions for 3rd and 6th grade students in Kerman.** Mohammad Ali Shahabi-Rabori, Seyed Hassan Eftekhar-Vaghefi, **Abdolreza Babae**, Fatemeh Seyedi. Iran Occupational Health 2018; 15(2) 37-46.
11. **Pregnancy in a Breastfeeding Mouse without Mating.** Massood Ezzatabadipour, Seyed Nouredin Nematollahi-mahani, Ahmad Hosseini, **Abdolreza Babae**. Journal of Kerman University of Medical Sciences 2018; 25 (5): 456-461.
12. **Investigating the Effect of Tumor Necrosis Factor Alpha on Placenta and Gene Related Bone Formation of Newborn Mice.** Farhad Mortezaazadeh, Fatemeh Fadaei Fathabady, Mohsen Norouzian, Seyed Nouredin Nematollahi-Mahani, Abdollah Amini, Saeideh Jafarinejad-Farsangi, Seyede Elmira Yazdi Rouholamini, **Abdolreza Babae**, Mohsen Basiri. Journal of Research in Medical and Dental Science 2018; 6(5), 133138.
13. **A survey on different types of ear lobule in a Kerman population in 2015.** S.P.Rayegan, H.Kouhestani, **A.Babae**, P. Shekarreez, A.Asafe, S.Dehghani-soltani, S.H. Eftekhar-Vaghefi. J Rafsanjan Univ Med Sci 2017; 16(2): 107-16.
14. **Effects of light emitting diode irradiation on neural differentiation of human umbilical cord-derived mesenchymal cells.** Samereh Dehghani-Soltani, Mohammad Shojaei, Mahshid Jalalkamali, **Abdolreza Babae**, Seyed Nouredin Nematollahi-mahani. Scientific reports 2017;7 (1)9976.
15. **Increased risk of coronary perforation during percutaneous intervention of myocardial bridge: What histopathology says.** Somayeh Pourhoseini, Mohammad

Bakhtiari, **Abdolreza Babae**, Mohammad Ali Ostovan, Seyed Hassan Eftekhari-Vaghefi, Nikan Ostovan, Pooyan Dehghani. J Cardiovasc Thorac Res 2017; 9(2), 108-112.

16. **Abnormal Origin of Superior Laryngeal Artery and Its Clinical Significance: A Case Report.** **Abdolreza Babae**, Samereh Dehghani Soltani, Seyed Hasan Eftekhari-Vaghefi, Seyed Shahaboddin Jahanbani, Massood Ezzatabadipour. Journal of Kerman University of Medical Sciences 2017; 24(3): 246-249.
17. **An Evaluation of Tissue Destruction Time in Phrenic Nerve after Death and Counting the Number of Nerve Fibers in C3, C4 and C5 Branches.** S.H. Eftekhari-Vaghefi, S.P. Raygan, Sh. Eftekhari-Vaghefi, S. Dehghani-Soltani, **A. Babae**. J Babol Univ Med Sci 2017; 19 (3): 59-65.
18. **An uncommon anatomical variation of the sciatic nerve.** Seyed Hassan Eftekhari-Vaghefi, Samereh Dehghani-Soltani, **Abdolreza Babae**. Anatomical Sciences 2016; 13(4): 239-242.
19. **An uncommon variation of the superior laryngeal artery.** Samereh Dehghani-Soltani, Seyed Hassan Eftekhari-Vaghefi, **Abdolreza Babae**. Anatomical Sciences 2016; 13(1): 63-66.
20. **Different effects of energy dependent irradiation of red and green lights on proliferation of human umbilical cord matrix-derived mesenchymal cells.** Samereh Dehghani Soltani, **Abdolreza Babae**, Mohammad Shojaei, Parvin Salehinejad, Fatemeh Seyedi. Mahshid Jalal Kamali, Seyed Nouredin Nematollahi-Mahani. Lasers Med Sci 2016; 31: 255-261.
21. **The prevalence of palmaris longus absence in the city of Kerman in Iran and the relevance of age, gender and body side.** **Babae Abdolreza**, Dehghani Soltani Samere, Ansari Javad Mohajer, Eftekhari Vaghefi Seyed Hasan, Ezzatabadipour Massood. Int J of Cur Res Rev 2015; 7(14): 45-48.
22. **Melatonin treatment reduces astrogliosis and apoptosis in rats with traumatic brain injury.** **Abdolreza Babae**, Seyed Hassan Eftekhari-Vaghefi, Majid Asadi-shekaari,

Nader Shahrokhi, Samereh Dehghani Soltani, Reza Malekpour-Afshar, Mohsen Basiri. Iran J Basic Med Sci 2015; 18: 867-872.

23. **Anatomical evaluation of the phrenic nerve variations in 24 cadavers.** *Eftekhari Vaghefi S. H, Rayegan S. P, Shams Ara A, Babae A.* Iranian journal of surgery 2015; 23(1): 25-30.
24. **The protective effects of walnuts (*Juglans regia*) on neuronal death and astrocyte reactivity following middle cerebral artery occlusion in male rats.** *Majid AsadiShekaari, Mohsen Basiri, Abdolreza Babae.* SJKU 2014, 19(4): 100-108.
25. **Niosomes of Ascorbic Acid and  $\alpha$ -Tocopherol in the Cerebral IschemiaReperfusion Model in Male Rats.** *Jaleh Varshosaz, Somayeh Taymouri, Abbas Pardakhty, Majid Asadi-Shekaari, Abdolreza Babae.* BioMed Research International 2014; Article ID 816103, 9 p.
26. **Alterations in TSH and thyroid hormones following mobile phone use.** *S Mortavazi, A Habib, A Ganj-Karami, R Samimi-Doost, A Pour-Abedi, A Babae.* Oman Medical Journal 2009, 24 (4): 274-278.

### Workshop

- **Method of writing proposal:** Kerman University of medical science, Afzalipour School of Medicine, department of anatomy, **as Teacher**, February 2016.
- **Transgenic & knockout mouse production:** Kurdistan University of medical science, Sanandaj, **as participate**, August 2015.
- **IVF:** Kerman University of medical science, Afzalipour School of Medicine, department of anatomy, **as participate**, December 2010.
- **Bioinformatics:** Stem Cell Research Lab. Department of Pathology, Kerman, Iran, **as participate**, March 2014.
- **Anatomy Teaching:** Kerman University of medical science, faculty of midwifery, **as Teacher**, September 2010.

## Participate in congress

Role	Presentation Type	Title	congress
Presenter	Poster	The protective effects of melatonin on neuronal death and astrocyte reactivity in the hippocampus of male rats following traumatic brain injury	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Poster	A review on human evolution from the perspective of biological science and Quran	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Oral	A review on motor evolution in animals relying on changes in the human upper limb skeleton	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Oral	Jamaleddin Mostaghimi: "Father of modern anatomy" in Iran	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Poster	Comparative anatomy of the spiral ganglion and organ of Corti in mammalian cochlea	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Poster	The contribution of painting art in understanding the anatomy of human body	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Presenter	Oral	Human umbilical cord matrix-derived mesenchymal cells: Biological properties and multilineage differentiation potential	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Coworker	Oral	Effect of red and green lights on proliferation of human umbilical cord matrix-derived mesenchymal cells	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Corresponding Author	Poster	Prevalence of accessory phrenic nerve and its clinical importance: a cadaveric study	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Corresponding Author	Poster	Palmaris longus agenesis in relation to the hand dominance	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
Corresponding Author	Oral	A review on muscles agenesis in human body	The 12 <sup>th</sup> Iranian congress on Anatomical Sciences
presenter	Oral	بررسی واکنش سلول های گلیال بدنبال جراحی نورو ن های مغزی با استفاده از روش های ایمونوهیستوشیمی	اولین کنگره ملی دانشجویان پارامدیکال کشور

## Experienced Research Techniques

- Cell cultures, hUCM isolation from umbilical cord, adipogenic & osteogenic differentiation of hUCM, Genomic DNA extraction and purification, RNA purification, Polymerase chain reaction on DNA and RNA, Real Time PCR.
- Immunohistochemistry, Immunocytochemistry.
- IVF
- Cardiac perfusion, brain ischemic surgery, animal laboratory handling, tissue processing. Traumatic brain injury induction.