


In the name of God

Curriculum Vitae (CV)

Name: Fakhroddin		
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Work address: Shahid Behesht University of Medical Sciences, Faculty of Medicine, Koodakyar St., Student Blvd., Valenjak, Tehran.		
Educations (Most recent date, Degree, Course, Department/University)	<ul style="list-style-type: none">• Doctor of Philosophy (Ph.D) in Anatomical Sciences (2021-2024) (GPA: 18/96 out of 20) School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran. PhD thesis: The effects of Sertoli cell-conditioned medium on spermatogenesis and structure of blood-testis-barrier in adult male mice after scrotal hyperthermia• Master of Science (MSc) in Anatomical Sciences (2017-2020) (GPA: 18/85 out of 20) School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran. MSc thesis: The evaluation of tramadol neurotoxicity effects on adult male rats prefrontal cortex: role of inflammatory and neurotrophic factors• Bachelor of Science (BSc) in Anesthesiology (2013-2017) (GPA: 18/65 out of 20) Guilan University of Medical Sciences, Guilan, Iran.	
Relevant Work Experience	<ul style="list-style-type: none">• Teaching of musculoskeletal system anatomy in School of Medicine, Shahid Beheshti University of Medical Sciences.• Teaching of gastrointestinal system anatomy in School of Medicine, Shahid Beheshti University of Medical Sciences.• Teaching of respiratory system anatomy in School of Medicine, Shahid Beheshti University of Medical Sciences.	

	<ul style="list-style-type: none"> • Teaching of urogenital system anatomy in School of Medicine, Shahid Beheshti University of Medical Sciences. • Teaching of head and neck anatomy in School of Medicine, Shahid Beheshti University of Medical Sciences. • Teaching of histology in School of Medicine, Shahid Beheshti University of Medical Sciences.
Professional Memberships & Qualification	Iranian Society of Anatomical Sciences
Extracurricular Activities/	<p>Computer Knowledge</p> <ul style="list-style-type: none"> • Internet tools, PubMed and Blast search • MS-Office package (PowerPoint, Word, Excel) • Statistical programs (GraphPad Prism) • Image analysis programs (ImageJ) <p>Workshops</p> <ul style="list-style-type: none"> • Executive Committee and Participant in "Application of Learning Technologies in Anatomical Sciences Education", Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2024 • Participant in Workshop of "Brain Awareness Week and The Advent of Neuroscience for Life", Iranian Academy of Neuroscience, Tehran, Iran, 2023. • Participant in the Webinar on "An Introduction to the Basics of Bioinformatics: Application in Biological Sciences and Medicine", Bioinformatics Academy of Iran, Tehran, Iran, 2023. • Participant in The Webinar on "Introduction of regenerative medicine, application and trends in field", Iran Regenerative Medicine Academy, Tehran, Iran, 2023. • Participant in The Webinar on "mRNA Technology in Research and Medicine", ReNAP Co, Tehran, Iran, 2021. <p>Areas of Expertise</p> <ul style="list-style-type: none"> • Processes of fixing and dissecting the cadaver • General Staining • Stereology • Sperm Analysis • Stereotaxy • Behavioral test (Rotarod, open field, elevated plus maze)

Projects	<ul style="list-style-type: none"> • <i>The effect of tramadol on the expression of inflammatory factors and neurotrophic factors in the prefrontal cortex of adult male rats</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The neurotoxicity effects of tramadol on the gene expression profile and morphological changes of the cerebellar cortex of adult male rats</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The effects of tramadol on the hippocampus of adult male rats: genomic sequencing and pathway analysis, histopathological and behavioral studies</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The effects of methylphenidate administration on neurotrophic factors and spatial memory in the hippocampus of adult male rats</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The effects of sertoli cell derived condition medium on the structure of blood-testis barrier in adult male mice following the induction of scrotal hyperthermia</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>Investigation the hippocampus and corpus callosum volume in multiple sclerosis male patients referred to Sina hospital in tehran 2022</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The effects of low level laser therapy on spermatogenesis and blood-testis barrier structure in adult male mice following the induction of scrotal hyperthermia</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The effects of gestational exposure to Phenathrene on spermatogenesis in F1 adult male mice</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>The low level laser therapy on testicular tissue and spermatogenesis in prepubertal male mice following to scrotal hyperthermia</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished) • <i>The effects of low level laser therapy on the process of spermatogenesis and testis tissue of adult male mice receiving Phenathrene</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (in process). • <i>Evaluation the effects of transient scrotal hyperthermia on HSP70 and HSP90 genes in testicular tissue of prepubertal male mice</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (finished). • <i>A case report of a rare bilateral variation in the brachial artery</i>, Shahid Beheshti University of Medical Sciences, Tehran, Iran (in process).
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Articles	Title	Journal	IF	Position
	Tramadol: a potential neurotoxic agent affecting prefrontal cortices in adult male rats and pc12 cell line	Neurotoxicity research	2.9	1
	Tramadol exposure upregulated apoptosis, inflammation and autophagy in pc12 cells and rat striatum: an in vitro-in vivo approach	Journal of Chemical Neuroanatomy	2.7	3
	Effect sertoli cell transplantation on reducing neuroinflammation induced necroptosis and improving motor coordination in the rat model of cerebellar ataxia induced by 3AP	Journal of Molecular Neuroscience	2.8	4
	An elderberry-supplemented diet improves spermatogenesis in mice with busulfan-induced azoospermia	Reproduction, Fertility and Development	1.8	5
	Implantation of human olfactory ecto-mesenchymal stem cells restores locomotion in a rat model of Parkinson's disease	Journal of Chemical Neuroanatomy	2.8	6
	Bilateral striatal transplantation of human olfactory stem cells ameliorates motor function, prevents necroptosis-induced cell death and improves striatal volume in the rat model of Huntington's disease	Journal of Chemical Neuroanatomy	2.8	7
	Combined molecular, structural and memory data unravel the destructive effect of tramadol on hippocampus	Neuroscience Letters	2.5	4
	Chronic Exposure to Tramadol Induces Neurodegeneration in the Cerebellum of Adult Male Rats	Neurotoxicity research	2.9	7
	Chronic administration of methylphenidate did not affect memory and GDNF levels but increase astrogliosis in adult male rat's hippocampus	Journal of Chemical Neuroanatomy	2.8	7
	Photobiomodulation restores spermatogenesis in the transient scrotal hyperthermia-induced mice	Life Sciences	5.2	7

	Curcumin-Loaded Iron Particle Improvement of Spermatogenesis in Azoospermic Mouse Induced by Long-Term Scrotal Hyperthermia	Reproductive Sciences	2.6	9
	Therapeutic Effects of Edaravone on Azoospermia: Free Radical Scavenging and Autophagy Modulation in Testicular Tissue of Mice	Journal of Reproduction & Infertility	0	5
	Sertoli cell-conditioned medium can improve Blood-Testis-Barrier function and spermatogenesis in azoospermia mice induced by scrotal hyperthermia: An experimental study	International Journal of Reproductive BioMedicine	1.6	1
	Photobiomodulation Improves Histological Parameters of Testis and Spermatogenesis in Adult Mice Exposed to Scrotal Hyperthermia in the Prepubertal Phase	Journal of Laser in Medical Sciences	1.4	1
	Therapeutic Effects of Exosome Therapy and Photobiomodulation Therapy on the Spermatogenesis Arrest in Male Mice After Scrotum Hyperthermia	Journal of Laser in Medical Sciences	1.4	4
	The Impact of Photobiomodulation Therapy on Enhancing Spermatogenesis and Blood-Testis Barrier Integrity in Adult Male Mice Subjected to Scrotal Hyperthermia	Journal of Laser in Medical Sciences	1.4	8
	A new insight about changes in Ultraweak Photon Emission and disrupt the normal pattern of testicular cells through cell apoptosis in male infertility: Ultraweak Photon Emission and disrupt the normal pattern of testicular cells	Journal of lasers in medical sciences	1.4	1
	Investigating the volume of hippocampus and corpus callosum in Iranian multiple sclerosis patients	European Journal of Anatomy	0.3	2

Investigating the Effects of Vitamin C and Vitamin B12 on Improving Spermatogenesis in Mice Induced by Long-Term Scrotal Heat Stress	Clinical and Experimental Reproductive Medicine	1.8	9
Therapeutic effects of curcumin nanoemulsion on cyclophosphamide-induced testicular toxicity in adult male mice	Clinical and Experimental Reproductive Medicine	1.8	5
Maternal exposure to phenanthrene induces testicular apoptosis and Sertoli cell dysfunction in F1 adult male mice: a histological and molecular study	Clinical and Experimental Reproductive Medicine	1.8	4
Sertoli cell-conditioned medium restores spermatogenesis in mice induced by scrotal hyperthermia	Physiology and Pharmacology	0.3	4
Upregulation of heat shock proteins 70 and 90 induced by transient scrotal hyperthermia in mice	Physiology and Pharmacology	0.3	1
Preventive Dose of Melatonin on Postoperative Pain in Total Abdominal Hysterectomy: A Clinical Trial Study	Journal of Obstetrics, Gynecology and Cancer Research	0	5
Potential Anti-Inflammatory Effect of <i>Lamium Album</i> Extract through Caspase-3 and Cyclooxygenase-2 Genes Expression in a Rat Model of Middle Cerebral Artery Occlusion	Folia Medica	0	5
Variation in median nerve nutritional artery at the distal end of forearm: case report	Tehran University Medical Journal	0	1
Variation in the forearm extensor muscle: case report	Tehran University Medical Journal	0	2

	A case report of variation in the left renal arterial pattern	Journal of Research in Medical Sciences	0	1
	A case report of a left testicular artery variation	Medical journal of mashhad university of medical sciences	0	2
	Measurement of the Distal End Radius Morphometric Parameters using Radiography in Iranian Population	Journal of Research in Medical Sciences	0	1
	Morphometric Parameters of the Mandibular Ramus an Indicator for Sex Determination: A Radiographic Study.	Journal of Research in Medical Sciences	0	1
	Evaluation of the proximal ulna dorsal angulation part and its related factors in radiology images of patients referred to Tehran Hospital in 2018	Journal of Research in Medical Sciences	0	2
	Investigating the normal dimensions and sizes of human eye orbit by MRI in Labafinejad Hospital patients in 2016 in Tehran	School of Medicine Students' Journal	0	1
	Investigating neurocranial sizes and cephalic indices of male newborns in North of Tehran using millimetric cephalometry	School of Medicine Students' Journal	0	2

Book	Application of Learning Technologies in Anatomical Sciences Education, 2024.
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Honors	1st Rank in National University PhD Entrance Exam, Iran, 2021 . A talented student of Shahid Beheshti University of Medical Sciences (2018-2024). The top student in BSc, MSc, and PhD Degrees .
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Research Interests	Reproductive system, Male infertility, Anthropology
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Presentation & Poster sessions	<ul style="list-style-type: none"> • F. Aghajanpour, Curcumin-loaded iron particles improve testicular damages induced by long-term scrotal hyperthermia in mice, 3th International Conference on New Findings in Midwifery, Women, Maternity and Infertility, Tbilisi, Georgia, 2021, (Oral Presentation) • F. Aghajanpour, Evaluation of Human Normal Eye Ball Size By MRI, 13th Iranian Congress on Anatomical Sciences, Hamadan University of Medical Sciences, Hamadan, Iran, 2018, (Poster Presentation). • F. Aghajanpour, Evaluation of Ethyl Mercury effects on behavior related to neurodevelopmental disorders in rats, 7th Congress Basic and Clinical Neuroscience, Razi Hall, Tehran, Iran, 2018, (Poster presentation). • F. Aghajanpour, The effects of caffeic acid on brain ischemia, 7th Congress Basic and Clinical Neuroscience, Razi Hall, Tehran, Iran, 2018, (Poster presentation). • F. Aghajanpour, The protective effect of zinc against arsenic-induced nephrotoxicity during pregnancy in a rat model, 1st National Congress of Pediatric Health Promotion, Mazandaran University of Medical Sciences, Mazandaran, Iran, 2018, (Poster Presentation).
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Teaching Experience	Gross Anatomy and Histology
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Teaching Interest	Gross Anatomy, Histology, and Embryology
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Language	<ul style="list-style-type: none"> • Native language: Persian • Other language: English (MSRT: 66)
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