

CURRICULUM VITAE

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Personal Data Born January 1, 1958; Iranian, Married, 2 Children

Education

1979-1983 Faculty of Allied Health, Iran University of Medical Science of ,Iran
Faculty of Medicine, Tarbiat Moddares University, Iran
Department of Radiation Oncology, Faculty of Medicine, University of
Glasgow (UK).

Certification

1985 Bsc in Radiology Technology
1989 Msc in Radiology Technology
1997 Ph.D in Medical Physics (Radiobiology)

Positions

	Internal Director, Shahid Rahnamon Hospital Iran University of Medical Sciences.
1987-1990	Vice chancellor of Dean of Medical Faculty Iran University of Medical Sciences, Tehran, Iran
1991-1994	General Director for Educational Affair, Iran University of Medical Sciences, Tehran, Iran
1998-2007	Vice chancellor of Dean of Medical Faculty, Iran University of Medical Sciences, Tehran, Iran
2012-2018	Deputy of Medical Faculty, Iran University of Medical Sciences
2009-Present	Head of Department of Radiation Sciences, Faculty of para-Medicine, Iran University of Medical Sciences
2013-Preseant	General Director of Health Physics, Iran University of Medical Sciences,
2016-Present	Director of Radiobiology Research Center, Iran University of Medical Sciences
2021-Present	Dean of the School of Allied Medical Sciences, Iran University of Medical Sciences

Memberships

1999-Present	Member, Iranian Association of Medical Physics, Tehran, Iran
1999-Present	Member, Research Theses and Consultation Center, Faculty of Medicine, Iran University of Medical Sciences, Tehran, Iran
1999- Present	Member, Editorial Board, Medical Journal of Iran University of Medical Sciences
2002- Present	Member, Editorial Board of Iranian Journal of Radiation Research.
2001- Present	Member, Cellular and Biomolecular Research Center.
2001- Present	Member, Editorial Board, Journal of Iranian Radiation Research
2001- Present	Member, Editorial Board Journal of Oromieh University of Medical Sciences, Iran
2000– Present	Member, Scientific Committee, Annual Iranian Congress of Medical Physics.
2001- Present	Member, Editorial Board, Medical Journal of Iran University of Medical Sciences, Tehran, Iran.

2002-Present	Member, Ophthalmology Research Center, of Iran University of Medical Sciences.
2002-Present	Member, Post graduate committee, University of Rehabilitation and Health, Tehran, Iran.
2011-Present	Member, Editorial Board Payavard Salamat, Journal of Tehran University of Medical Sciences.
2015-Present	Member Editorial Board Journal of Experimental Biology and Medicine.
2014-Present	Member Editorial Board Journal of Insights in Medical Physics.

Publications:

	Article:	Cited by	Year
1	Dual electrochemical sensing of spiked virus and SARS-CoV-2 using natural bed-receptor (MV-gal1) E Ghazizadeh, A Neshastehriz, AD Firoozabadi, MK Yazdi, ... Scientific reports 11 (1), 1-10		2021
2	Investigating the in vitro photothermal effect of green synthesized apigenin-coated gold nanoparticle on colorectal carcinoma SM Amini, E Mohammadi, S Askarian-Amiri, Y Azizi, A Shakeri-Zadeh, ... IET nanobiotechnology 15 (3), 329-337	4	2021
3	Mechanistic aspects of photobiomodulation therapy in the nervous system F Ramezani, A Neshasteh-Riz, A Ghadaksaz, SM Fazeli, A Janzadeh, ... Lasers in Medical Science, 1-8	6	2021
4	In-vitro investigation of green synthesized gold nanoparticle's role in combined photodynamic and radiation therapy of cancerous cells A Neshastehriz, SM Amini, A Mohammadi, SR Mahdavi, VP Mahabadi, ... Advances in Natural Sciences: Nanoscience and Nanotechnology 11 (4), 045006	6	2020
5	Photobiomodulation for spinal cord injury: A systematic review and meta-analysis F Ramezani, M Razmgir, K Tanha, F Nasirinezhad, A Neshastehriz, ... Physiology & Behavior 224, 112977	9	2020
6	The combination of metformin and disulfiram-Cu for effective radiosensitization on glioblastoma cells N Rezaei, A Neshasteh-Riz, Z Mazaheri, F Koosha, M Hoormand Cell Journal (Yakhteh) 22 (3), 263	4	2020
7	The Application of ATR Kinase Inhibitor AZD6738 in Combination with Radiotherapy for the Treatment of Melanoma M Talebpour, A Neshasteh-Riz, F Koosha, S Eynali Journal of Biomedical Physics and Engineering		2020
8	Different liposome patterns to detection of acute leukemia based on electrochemical cell sensor E Ghazizadeh, A Neshastehriz Analytica chimica acta 1109, 122-129	4	2020

9	Design of a DOPC-MoS 2/AuNP hybrid as an organic bed with higher amplification for miR detection in electrochemical biosensors MK Yazdi, E Ghazizadeh, M Noroozi, A Neshastehriz Analytical and bioanalytical chemistry 412 (13), 3209-3219	2	2020
10	Organ at risk dose calculation for left sided breast cancer treatments using intraoperative electron radiotherapy: A Monte Carlo-based feasibility study G Mansourian, M Robotjazi, HR Baghani, A Neshastehriz, SR Mahdavi, ... Applied radiation and isotopes 156, 108977	2	2020
11	Investigation of combined photodynamic and radiotherapy effects of gallium phthalocyanine chloride on MCF-7 breast cancer cells S Mayahi, A Neshasteh-Riz, M Pornour, S Eynali, A Montazerabadi JBIC Journal of Biological Inorganic Chemistry 25 (1), 39-48	4	2020
12	The use of β-Elemene to enhance radio sensitization of A375 human melanoma cells Z Balavandi, A Neshasteh-Riz, F Koosha, S Eynali, M Hoormand, ... Cell Journal (Yakhteh) 21 (4), 419	11	2020
13	Investigating the effect of near infrared photo thermal therapy folic acid conjugated gold nano shell on melanoma cancer cell line A375 FS Majidi, E Mohammadi, B Mehravi, S Nouri, K Ashtari, A Neshasteh-Riz Artificial cells, nanomedicine, and biotechnology 47 (1), 2161-2170	13	2019
14	NIR triggered glycosylated gold nanoshell as a photothermal agent on melanoma cancer cells S Nouri, E Mohammadi, B Mehravi, F Majidi, K Ashtari, A Neshasteh-Riz, ... Artificial cells, nanomedicine, and biotechnology 47 (1), 2316-2324	12	2019
15	Combinatorial effects of radiofrequency hyperthermia and radiotherapy in the presence of magneto-plasmonic nanoparticles on MCF-7 breast cancer cells F Hadi, S Tavakkol, S Laurent, V Pirhajati, SR Mahdavi, A Neshastehriz, ... Journal of cellular physiology 234 (11), 20028-20035	17	2019
16	Evaluation of organs at risk dose in the left breast IOERT procedures whit and without shielding disc using monte carlo simulation G Mansorian, A Neshasteh-Riz, M Robotjazi, F Koosha, R Paydar Iranian Journal of Medical Physics 15 (Special Issue-12th. Iranian Congress ...		2018
17	Cabazitaxel antiproliferative mechanism of action in U87MG human glioblastoma cells: a promising cell-cycle phase-specific radiosensitizer A Neshasteh-Riz, E Zeinizade, M Safa, K Mousavizadeh Iranian Journal of Medical Physics 15 (Special Issue-12th. Iranian Congress ...		2018
18	Gold-coated iron oxide nanoparticles trigger apoptosis in the process of thermo-radiotherapy of U87-MG human glioma cells A Neshastehriz, Z Khosravi, H Ghaznavi, A Shakeri-Zadeh Radiation and environmental biophysics 57 (4), 405-418	18	2018
19	Cytogenetic damage from hyperthermia, 6 MV X-rays, and topotecan in glioblastoma spheroids, simultaneously, and separately A Neshasteh-Riz, N Eyvazzadeh, A Rostami, E Azzizolahi Journal of cancer research and therapeutics 14 (6), 1273	1	2018

20	Cabazitaxel inhibits proliferation and potentiates the radiation response of U87MG glioblastoma cells A Neshasteh-Riz, E Zeinizade, M Safa, K Mousavizadeh Cell biology international 42 (7), 815-822	2	2018
21	Investigating the therapeutic effects of alginate nanogel co-loaded with gold nanoparticles and cisplatin on U87-MG human glioblastoma cells A Neshastehriz, M Khateri, H Ghaznavi, A Shakeri-Zadeh Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...	13	2018
22	The combination of A-966492 and Topotecan for effective radiosensitization on glioblastoma spheroids F Koosha, A Neshasteh-Riz, A Takavar, N Eyvazzadeh, Z Mazaheri, ... Biochemical and biophysical research communications 491 (4), 1092-1097	7	2017
23	Synergistic effects of arsenic trioxide and radiation: Triggering the intrinsic pathway of apoptosis K Moloudi, A Neshasteriz, A Hosseini, N Eyvazzadeh, M Shomali, ... Iranian biomedical journal 21 (5), 330	9	2017
24	Photothermal therapy using folate conjugated gold nanoparticles enhances the effects of 6 MV X-ray on mouth epidermal carcinoma cells A Neshastehriz, M Tabei, S Maleki, S Eynali, A Shakeri-Zadeh Journal of Photochemistry and Photobiology B: Biology 172, 52-60	59	2017
25	Comparison of DSB effects of the beta particles of iodine-131 and 6 MV X-ray at a dose of 2 Gy in the presence of 2-Methoxyestradiol, IUdR, and TPT in glioblastoma spheroids A Neshasteh-Riz, N Eyvazzadeh, F Koosha, S Cheraghi Radiation Physics and Chemistry 131, 41-45	5	2017
26	Radiation-induced bystander effect in non-irradiated glioblastoma spheroid cells F Faqih, A Neshastehriz, S Soleymanifard, R Shabani, N Eivazzadeh Journal of radiation research 56 (5), 777-783	8	2015
27	Genotoxic damage to glioblastoma cells treated with 6 MV X-radiation in the presence or absence of methoxy estradiol, IUdR or topotecan N Eyvazzadeh, A Neshasteh-Riz, SR Mahdavi, A Mohsenifar Cell Journal (Yakhteh) 17 (2), 312	9	2015
28	DNA damage of glioblastoma multiform cells induced by beta radiation of Iodine-131 in the presence or absence of topotecan: a PicoGreen and colonogenic assay N Eyvazzadeh, A Neshasteh-Riz, SR Mahdavi Cell Journal (Yakhteh) 17 (1), 99	2	2015
29	Evaluation of the combined effects of hyperthermia, cobalt-60 gamma rays and IUdR on cultured glioblastoma spheroid cells and dosimetry using TLD-100 A Neshasteh-Riz, R Rahdani, A Mostaar Cell Journal (Yakhteh) 16 (3), 335	10	2014
30	Evaluation of diagnostic reference dose levels in CT-scan examinations of adolescence in Tehran: a brief report. R Afzalipour, S Rabi Mahdavi, H Khosravi, A Neshasteh-Riz, ... Tehran University Medical Journal 71 (2)	11	2013
31	Relative Biological Effectiveness (RBE) of 131I Radiation Relative to 60Co Gamma Rays	4	2013

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32	DNA damage induced in glioblastoma cells by I-131: a comparison between experimental data and Monte Carlo simulation A Neshasteh-Riz, F Koosha, A Mohsenifar, SR Mahdavi Cell Journal (Yakhteh) 14 (1), 25	7	2012
33	Evaluation of the combined effect of 2ME2 and 60Co on the inducement of DNA damage by IUdR in a spheroid model of the U87MG glioblastoma cancer cell line using alkaline comet assay S Khoei, S Delfan, A Neshasteh-Riz, SR Mahdavi Cell Journal (Yakhteh) 13 (2), 83	15	2011
34	Radiosensitizing Effect of IUdR Combined with Co-60 $\dot{\gamma}$ Radiation on Malignant Glioma Spheroids B HKhankeshizaeh, A Neshastehriz World Congress on Medical Physics and Biomedical Engineering September 7-12 ...		2010
35	Evaluation of combination effects of 2-methoxyestradiol and methoxyamine on IUdR-induced radiosensitization in glioma spheroids A Neshasteh-Riz, S Babaloui, S Khoei Iranian Journal of Radiation Research 7 (4), 211-216	3	2010
36	EFFECT OF COMBINED 2-METHOXYESTRADIOL AND METHOXYAMINE ON SENSITIVITY OF IUdR YIELDING COBALT 60 GAMMA IN SPHEROID MODEL CULTURED GLIOBLASTOMA CELLS BY COLONY ASSAY MEASUREMENT ... S BABALOUY, ALI NESHASTEHRIZ, S KHOEI, M AZARIAN LASER IN MEDICINE 6 (333), 29-34		2009
37	Evaluation of the Extent of Cytogenetic Damage Induced by Ionizing Radiation at Different Intervals of Cell Incubation with Iudr in Spheroid Model of Glioblastoma Cell Line ... A Neshasteh-Riz, N Bishesari, S Khoei Razi Journal of Medical Sciences 15, 177-186		2008
38	Cytogenetic damages from Iododeoxyuridine-induced radiosensitivity with and without Methoxyamine in human glioblastoma spheroids A NESHASTEHRIZ, M Saki, S KHOUEI CELL JOURNAL (YAKHTEH) 10 (137), 57-64	8	2008
39	Comparative evaluation of cytogenetic aberrations induced by cobalt-60 in glioma cells in the presence or absence of IUdR A Neshastehriz, GH SHAFAEI, H Mozdarani IRANIAN JOURNAL OF MEDICAL PHYSICS 3 (12), 73-84	2	2006
40	The role of heat shock protein 70 in the thermoresistance of prostate cancer cell line spheroids S Khoei, B Goliaei, A Neshasteh-Riz, A Deizadji FEBS letters 561 (1-3), 144-148	37	2004
41	Differential thermo-resistance of multicellular tumor spheroids S KHOUEI, B GOLIAEI, A NESHASTEHRIZ IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE 28 (1), 107-116	8	2004
42	EXPERIMENTAL COMPARATIVE INVITRO STUDY OF TARGETED RADIOTHERAPY USING 125IUdR AND EXTERNAL BEAM RADIATION IN TREATMENT OF GLIOMA A Neshasteh Riz, M Shahidi, AA Sharafi Razi Journal of Medical Sciences 10 (33), 159-165	1	2003

43	Comparison between intracerebral biodistribution of [125 I] IUdR in a rat glioma model and [125 I] IUdR uptake in spheroid multicellular culture: effect of proliferative ... A NESHASTEHRIZ, MS REZA CELL JOURNAL (YAKHTEH) 3 (11), 159-168	1	2001
44	THE EFFECT OF PROLIFERATION HETEROGENEITY ON IDODOXYURIDINE UPTAKE BY GLIOMA CELLS CULTURED AS MONOLAYER AND SPHEROIDS MEASURED BY FLOW CYTOMETRY A NESHASTEHRIZ CELL JOURNAL (YAKHTEH) 2 (7), 135-140	1	2000
45	EXPERIMENTAL ONCOLOGY-Comparison of different methods of intracerebral administration of radiiododeoxyuridine for glioma therapy using a rat model RJ Mairs, CL Wideman, WJ Angerson, TL Whateley, MS Reza, JR Reeves, ... British Journal of Cancer 82 (1), 74-80		2000
46	Comparison of different methods of intracerebral administration of radioiododeoxyuridine for glioma therapy using a rat model RJ Mairs, CL Wideman, WJ Angerson, TL Whateley, MS Reza, JR Reeves, ... British journal of cancer 82 (1), 74-80	36	2000
47	Differential cytotoxicity of [123 I] IUdR, [125 I] IUdR and [131 I] IUdR to human glioma cells in monolayer or spheroid culture: effect of proliferative heterogeneity and ... A Neshasteh-Riz, RJ Mairs, WJ Angerson, PD Stanton, JR Reeves, ... British journal of cancer 77 (3), 385-390	43	1998
48	The implications of proliferative heterogeneity for the design of DNA-targeted radiotherapy: differential cytotoxicity of alternative radioiodoanalogues of IUdR to human glioma ... A Neshasteh-Riz, RJ Mairs, WJ Angerson, PD Stanton, JR Reeves, ... Br J Cancer 77, 385-390	5	1998
49	Incorporation of iododeoxyuridine in multicellular glioma spheroids: implications for DNA-targeted radiotherapy using Auger electron emitters A Neshasteh-Riz, WJ Angerson, JR Reeves, G Smith, R Rampling, ... British journal of cancer 75 (4), 493-499	50	1997
50	Radiolabelled iododeoxyuridine for experimental targeted radiotherapy of glioma A Neshasteh-Riz PQDT-Global		1997
51	Evaluation of the Effect of Hyperthermia and Cobalt-60 Gamma Rays with Radiosensitizer IUdR on Cultured Glioblastoma Spheroid Cells and Dosimetry by TLD-100 Running Title ... A Neshasteh-Riz, R Rahdani, A Mostaar		

Books:

1-Radiobiology and protection (compilation); 2014

2-Cell Biology (compilation), 2014

3-Principle and Techniques of Scientific paper Writing, 2013