

CURRICULUM VITAE

NAME: Ali Neshasteh_Riz, Ph.D

Scientific Position: Full Professor

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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

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 (45 Articles)

-
- [The Combination of Metformin and Disulfiram-Cu for Effective Radiosensitization on Glioblastoma Cells.](#) 2020
N Rezaei, A Neshasteh-Riz, Z Mazaheri, F Koosha, M Hoormand
Cell Journal (Yakhteh) 22 (3)
-
- [The Application of ATR Kinase Inhibitor AZD6738 in Combination with Radiotherapy for the Treatment of Melanoma](#) 2020
M Talebpoor, A Neshasteh-Riz, F Koosha, S Eynali
Journal of Biomedical Physics and Engineering
-
- [Design of a DOPC-MoS₂/AuNP hybrid as an organic bed with higher amplification for miR detection in electrochemical biosensors.](#) 2020
MK Yazdi, E Ghazizadeh, M Noroozi, A Neshastehriz
Analytical and bioanalytical chemistry 412 (13), 3209-3219
-
- [Different liposome patterns to detection of acute leukemia based on electrochemical cell sensor](#) 1 2020
E Ghazizadeh, A Neshastehriz
Analytica Chimica Acta
-
- [Organ at risk dose calculation for left sided breast cancer treatments using intraoperative electron radiotherapy: A Monte Carlo-based feasibility study](#) 1 2020
G Mansourian, M Robotjazi, HR Baghani, A Neshastehriz, SR Mahdavi, ...
Applied Radiation and Isotopes 156, 108977
-
- [Investigation of combined photodynamic and radiotherapy effects of gallium phthalocyanine chloride on MCF-7 breast cancer cells](#) 1 2020
S Mayahi, A Neshasteh-Riz, M Pornour, S Eynali, A Montazerabadi
JBIC Journal of Biological Inorganic Chemistry 25 (1), 39-48
-
- [Investigating the effect of near infrared photo thermal therapy folic acid conjugated gold nano shell on melanoma cancer cell line A375](#) 3 2019
FS Majidi, E Mohammadi, B Mehravi, S Nouri, K Ashtari, A Neshasteh-Riz
Artificial Cells, Nanomedicine, and Biotechnology 47 (1), 2161-2170
-
- [NIR triggered glycosylated gold nanoshell as a photothermal agent on melanoma cancer cells](#) 2 2019
S Nouri, E Mohammadi, B Mehravi, F Majidi, K Ashtari, A Neshasteh-Riz, ...
Artificial Cells, Nanomedicine, and Biotechnology 47 (1), 2316-2324
-
- [Combinatorial effects of radiofrequency hyperthermia and radiotherapy in the presence of magneto-plasmonic nanoparticles on MCF-7 breast cancer cells](#) 4 2019
F Hadi, S Tavakkol, S Laurent, V Pirhajati, SR Mahdavi, A Neshastehriz, ...
Journal of cellular physiology 234 (11), 20028-20035
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- [The Use of \$\beta\$ -Elemene to Enhance Radio Sensitization of A375 Human Melanoma Cells.](#) 3 2019
Z Balavandi, A Neshasteh-Riz, F Koosha, S Eynali, M Hoormand, ...
Cell Journal 21 (4), 419-425
-
- [Evaluation of organs at risk dose in the left breast IOERT procedures with and without shielding disc using monte carlo simulation](#) 2018
G Mansorian, A Neshasteh-Riz, M Robotjazi, F Koosha, R Paydar
Iranian Journal of Medical Physics 15 (Special Issue-12th. Iranian Congress ...
-
- [Cabazitaxel antiproliferative mechanism of action in U87MG human glioblastoma cells: a promising cell-cycle phase-specific radiosensitizer](#) 2018
A Neshasteh-Riz, E Zeinizade, M Safa, K Mousavizadeh
Iranian Journal of Medical Physics 15, 266-266
-
- [Gold-coated iron oxide nanoparticles trigger apoptosis in the process of thermo-radiotherapy of U87-MG human glioma cells](#) 10 2018
A Neshastehriz, Z Khosravi, H Ghaznavi, A Shakeri-Zadeh
Radiation and environmental biophysics 57 (4), 405-418
-
- [Cytogenetic damage from hyperthermia, 6 MV X-rays, and topotecan in glioblastoma spheroids, simultaneously, and separately](#) 1 2018
A Neshasteh-Riz, N Eyvazzadeh, A Rostami, E Azzizolahi
Journal of cancer research and therapeutics 14 (6), 1273
-
- [Cabazitaxel inhibits proliferation and potentiates the radiation response of U87MG glioblastoma cells](#) 1 2018
A Neshasteh-Riz, E Zeinizade, M Safa, K Mousavizadeh
Cell Biology International 42 (7), 815-822
-
- [Investigating the therapeutic effects of alginate nanogel co-loaded with gold nanoparticles and cisplatin on U87-MG human glioblastoma cells](#) 9 2018
A Neshastehriz, M Khateri, H Ghaznavi, A Shakeri-Zadeh
Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...
-
- [The combination of A-966492 and Topotecan for effective radiosensitization on glioblastoma spheroids](#) 1 2017
F Koosha, A Neshasteh-Riz, A Takavar, N Eyvazzadeh, Z Mazaheri, ...
Biochemical and biophysical research communications 491 (4), 1092-1097
-
- [Photothermal therapy using folate conjugated gold nanoparticles enhances the effects of 6 MV X-ray on mouth epidermal carcinoma cells](#) 47 2017
A Neshastehriz, M Tabei, S Maleki, S Eynali, A Shakeri-Zadeh
Journal of Photochemistry and Photobiology B: Biology 172, 52-60
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- [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](#) 2 2017
A Neshasteh-Riz, N Eyvazzadeh, F Koosha, S Cheraghi
Radiation Physics and Chemistry 131, 41-45
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- [Radiation-induced bystander effect in non-irradiated glioblastoma spheroid cells](#) 5 2015
F Faqih, A Neshastehriz, S Soleymanifard, R Shabani, N Eivazzadeh
Journal of radiation research 56 (5), 777-783
-
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- [Genotoxic damage to glioblastoma cells treated with 6 MV X-radiation in the presence or absence of methoxy estradiol, IUdR or topotecan](#) 7 2015
N Eyvazzadeh, A Neshasteh-Riz, SR Mahdavi, A Mohsenifar
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- [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](#) 2 2015
N Eyvazzadeh, A Neshasteh-Riz, SR Mahdavi
Cell Journal (Yakhteh) 17 (1), 99
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- [Evaluation of the combined effects of hyperthermia, cobalt-60 gamma rays and IUdR on cultured glioblastoma spheroid cells and dosimetry using TLD-100](#) 9 2014
A Neshasteh-Riz, R Rahdani, A Mostaar
Cell Journal (Yakhteh) 16 (3), 335
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- [Evaluation of diagnostic reference dose levels in CT-scan examinations of adolescence in Tehran: a brief report.](#) 9 2013
R Afzalipour, S Rabi Mahdavi, H Khosravi, A Neshasteh-Riz, ...
Tehran University Medical Journal 71 (2)
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- [Relative Biological Effectiveness \(RBE\) of 131I Radiation Relative to 60Co Gamma Rays](#) 2 2013
A Neshasteh-Riz, AM Pashazadeh, SR Mahdavi
Cell Journal (Yakhteh) 15 (3), 224
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- [DNA damage induced in glioblastoma cells by I-131: a comparison between experimental data and Monte Carlo simulation](#) 5 2012
A Neshasteh-Riz, F Koosha, A Mohsenifar, SR Mahdavi
Cell Journal (Yakhteh) 14 (1), 25
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- [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](#) 14 2011
S Khoei, S Delfan, A Neshasteh-Riz, SR Mahdavi
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- [Radiosensitizing Effect of IUDR Combined with Co-60 \$\hat{U}\$ Radiation on Malignant Glioma Spheroids](#)
 B HKhankeshizaeh, A Neshastehriz 2010
 World Congress on Medical Physics and Biomedical Engineering
 September 7-12 ...
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- [Evaluation of combination effects of 2-methoxyestradiol and methoxyamine on IUDR-induced radiosensitization in glioma spheroids](#)
 A NESHASTEHRIZ, S BABALOU EI, S KHOUEI 3 2010
 INTERNATIONAL JOURNAL OF RADIATION RESEARCH 7 (4), 211-216
-
- [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 BABALOU EY, ALI NESHASTEHRIZ, S KHOEI, M AZARIAN 2009
 LASER IN MEDICINE 6 (333), 29-34
-
- [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 2008
 Razi Journal of Medical Sciences 15, 177-186
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- [Cytogenetic damages from Iododeoxyuridine-induced radiosensitivity with and without Methoxyamine in human glioblastoma spheroids](#)
 A NESHASTEHRIZ, M Saki, S KHOUEI 8 2008
 CELL JOURNAL (YAKHTEH) 10 (137), 57-64
-
- [Comparative evaluation of cytogenetic aberrations induced by cobalt-60 in glioma cells in the presence or absence of IUDR](#)
 A Neshastehriz, GH SHAF AEI, H Mozdarani 3 2006
 IRANIAN JOURNAL OF MEDICAL PHYSICS 3 (12), 73-84
-
- [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 33 2004
 FEBS letters 561 (1-3), 144-148
-
- [Differential thermo-resistance of multicellular tumor spheroids](#)
 S KHOUEI, B GOLIAEI, A NESHASTEHRIZ 8 2004
 IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE 28 (1), 107-116
-
- [EXPERIMENTAL COMPARATIVE INVITRO STUDY OF TARGETED RADIOTHERAPY USING 125IUDR AND EXTERNAL BEAM RADIATION IN TREATMENT OF GLIOMA](#)
 A Neshasteh Riz, M Shahidi, AA Sharafi 1 2003
 Razi Journal of Medical Sciences 10 (33), 159-165
-

[Comparison between intracerebral biodistribution of \[¹²⁵I\] IUdR in a rat glioma model and \[¹²⁵I\] IUdR uptake in spheroid multicellular culture: effect of proliferative ...](#) 1 2001
A NESHASTEHRIZ, MS REZA
CELL JOURNAL (YAKHTEH) 3 (11), 159-168

[THE EFFECT OF PROLIFERATION HETEROGENEITY ON IDODEOXYURIDINE UPTAKE BY GLIOMA CELLS CULTURED AS MONOLAYER AND SPHEROIDS MEASURED BY FLOW CYTOMETRY](#) 1 2000
A NESHASTEHRIZ
CELL JOURNAL (YAKHTEH) 2 (7), 135-140

[EXPERIMENTAL ONCOLOGY-Comparison of different methods of intracerebral administration of radiiododeoxyuridine for glioma therapy using a rat model](#) 2000
RJ Mairs, CL Wideman, WJ Angerson, TL Whateley, MS Reza, JR Reeves,
...
British Journal of Cancer 82 (1), 74-80

[Comparison of different methods of intracerebral administration of radioiododeoxyuridine for glioma therapy using a rat model](#) 37 2000
RJ Mairs, CL Wideman, WJ Angerson, TL Whateley, MS Reza, JR Reeves,
...
British journal of cancer 82 (1), 74-80

[Differential cytotoxicity of \[¹²³I\] IUdR, \[¹²⁵I\] IUdR and \[¹³¹I\] IUdR to human glioma cells in monolayer or spheroid culture: effect of proliferative heterogeneity and ...](#) 39 1998
A Neshasteh-Riz, RJ Mairs, WJ Angerson, PD Stanton, JR Reeves, ...
British journal of cancer 77 (3), 385-390

[The implications of proliferative heterogeneity for the design of DNA-targeted radiotherapy: differential cytotoxicity of alternative radioiodoanalogues of IUdR to human glioma ...](#) 5 1998
A Neshasteh-Riz, RJ Mairs, WJ Angerson, PD Stanton, JR Reeves, ...
Br J Cancer 77, 385-390

[Incorporation of iododeoxyuridine in multicellular glioma spheroids: implications for DNA-targeted radiotherapy using Auger electron emitters](#) 47 1997
A Neshasteh-Riz, WJ Angerson, JR Reeves, G Smith, R Rampling, ...
British journal of cancer 75 (4), 493-499

[Radiolabelled iododeoxyuridine for experimental targeted radiotherapy of glioma](#) 1997
A Neshasteh-Riz
ProQuest Dissertations & Theses,

[The combination of metformin and disulfiram-cu for effective radiosensitization on glioblastoma cells. Cell J. 2020; 22 \(3\): 263-272. doi: 10.22074/cellj. 2020.6798. This open ...](#)
N Rezaei, A Neshasteh-Riz, Z Mazaheri, F Koosha, M Hoormand
Introduction Glioblastoma (GBM) is a grade IV astrocytoma, regarded as one ...

Books:

1-Radiobiology and protection (compilation); 2014

2-Cell Biology (compilation), 2014

3-Principle and Techniques of Scientific paper Writing, 2013