

Curriculum Vitae

Somayeh Kazempour

Nationality	Iranian
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Education:

M.Sc. Radiobiology and Radiation Protection, Shiraz University of Medical Sciences, Shiraz, Iran (Oct 2016- February 2019)

Thesis subject:

- Intra-fractional Dose Rate Effect in Continuous and Interrupted Irradiation of the MCF-7 Cell Line: Possible Radiobiological Implications for Breath-hold Techniques in Breast Radiotherapy?

B.Sc. Radiology, Mashhad University of Medical Sciences, Mashhad, Iran (February 2006- February 2008)

A.Sc. Radiology, Rafsanjan University of Medical Science, Rafsanjan, Iran (Oct 2003- Jul 2005)

Teaching Experiences:

- Radiation Protection, Rafsanjan University of Medical Sciences, Rafsanjan, Iran (February 2010- Jul 2010).
- Contrast media in the medical imaging, Rafsanjan University of Medical Sciences, Rafsanjan, Iran (February 2010- current).
- Ethics, Rafsanjan University of Medical Sciences, Rafsanjan, Iran (February 2016- current).
- Knowing the common radiological images in operating room, Rafsanjan University of Medical Sciences, Rafsanjan, Iran (February 2018-current)
- Patient care in imaging departments. Rafsanjan University of Medical Sciences, Rafsanjan, Iran (February 2013-current)
- Radiation hygiene and protection. Rafsanjan University of Medical Sciences, Rafsanjan, Iran (September 2021-current)

Research Skills:

- Cell Culture
- Colony Assay
- MTT Assay
- Flow Cytometry
- Dosimetry

Workshops:

- Advanced article writing workshop, Shiraz, Iran, 2019
- PCR, Shiraz University of Medical Sciences, Shiraz, Iran, 2018.
- Primer design, Shiraz University of Medical Sciences, Shiraz, Iran, 2018.
- Western blotting, Shiraz University of Medical Sciences, Shiraz, Iran, 2018.

Research projects:

1. Investigation some indicators of recovery in patients with COVID-19 in Rafsanjan in 2020
2. Investigating the risk of contracting and severity of COVID-19 Patients in smokers in Rafsanjan City in 2020
3. Evaluation of prone positioning in improving the oxygenation of patients with non-intubated & awake ARDS due to COVID-19 pneumonia. 2020
4. Investigation of cytotoxic bystander effects of magnetic field on normal HDF and cancerous MCF-7 cell lines.2020
5. Investigation of cytotoxic effect of magnetic field (MRI) on normal HDF and cancerous MCF-7 cell lines.2020
6. Clay of microbial contamination of mobile phones of laboratory staff; Radiology, emergency and intensive care of Hazrat Ali Ibn Abitaleb Hospital in Rafsanjan in 2016.
7. Evaluation of the Radiation protection knowledge of the operating room staffs in Rafsanjan University of Medical Science hospitals in 2015

Publications:

1. Mortazavi SM, Mehdipour LA, Behnejad BB, **Kazempour S. The bio-positive effects of diagnostic doses of X-rays on growth of phaseolus-vulgaris plant: A Possibility of New Physical Fertilizers.** Asian J. Exp. Sci., Vol. 20, No. 1, 2006, 27-33
2. Mosleh-Shirazi MA, **Kazempour S**, Fardid R, Sharifzadeh S, Karbasi S. **Intra-fractional dose rate effect in continuous and interrupted irradiation of the MCF-7 cell line: Possible radiobiological implications for breath-hold techniques in breast radiotherapy?.** Journal of Cancer Research and Therapeutics. 2024 Apr 1;20(3):863-8.
3. Mahdiah Ahmadi Kamalabadi, **Somayah Kazempour**, Asieh Fatemidokht, Mikaeil Molazadeh, Fereshteh Koosha. **Poly (amidoamine) Dendrimers in Cancer Therapy: Chemotherapy, Radiotherapy and Imaging Advances.** Iranian Journal of Blood and Cancer, 2024, 16 (4), 86-104.

Conference Participations:

1. National Conference on Radiation Sciences: The role of radiation in diagnosis and treatment, Rafsanjan, Iran, 2019
2. The first congress of paramedical sciences in the eight major health areas, Rafsanjan, Iran, 2016

Research Interests:

- Radiobiology
- Radiation Protection
- Dosimetry
- COVID-19