Hamid Ghaznavi

- **E-mail**: hamid.medphys@gmail.com
- **Google Scholar**: https://scholar.google.com/citations?user=bkBWP_UAAAAJ&hl=en
- **LinkedIn**: linkedin.com/in/hamid-ghaznavi-55a5b38a
- **Research Gate**: https://www.researchgate.net/profile/Hamid-Ghaznavi-2

Education:

2015-Sep – 2018-Jan **Master of Science: Medical Physics**
Isfahan University of Medical Sciences, Iran.
Thesis Title: Comparison of Secondary Cancer Risk Incidence after Radiotherapy of Seminoma in Conventional and Conformal Radiotherapy

2011- Sep – 2015-Jun **Bachelor of Science: Radiology**
Hamedan University of Medical Sciences, Iran.

Research Interests:

- Developing Radiotherapy Techniques
- PET and MRI in Cancer Imaging
- Image Processing and Machine Learning in Medical Imaging
- Radiation Dosimetry and Dose Calculations
- Radiobiological Models in Predication of Radiation Toxicity

Honors and Awards

- **Selected as the Best Researcher in Paramedical School Among Faculties**, *Kurdistan University of Medical Sciences, Iran,* 2021
- **Selected as the Top Researcher** in *Kurdistan University of Medical Sciences, Iran,* 2022

Publications: 5/15

(All Publications: *https://scholar.google.com/citations?user=bkBWP_UAAAAJ&hl=en*)

1. **Ghaznavi H**, Allaviesi F, Taghizadeh F. Baseline cardiac risk profile determines radiation-induced cardiac toxicity in patients with mid-lower esophageal cancer**,** ***Journal of Radiotherapy in Practice***, 2023 (Cite Score : 0.7)
2. **Ghaznavi H**, Emami H, Allaviesi F, Salehi Z, Shokrani P. Secondary cancer risk after radiotherapy of seminoma stage one**,** ***Iranian Journal of Medical Physics***, 2022 (Cite Score : 1.2)
3. Ghaderi S, Gahderi K, **Ghaznavi H**, Using Marker-Controlled Watershed Transform to Detect Baker's Cyst in Magnetic Resonance Imaging Images, ***Journal of Medical signals and sensors***, 2022 (Cite Score : 2.3
4. **Ghaznavi H,** Behmadi M, Impact of Different Beam Energies on The Incidence of Thyroid Cancer in Breast Cancer Radiotherapy, Frontiers in Biomedical Technologies, 2022 (Cite Score : 0.5)
5. **Ghaznavi H**. Reducing fetal radiation dose in computed tomography for pregnant patients: A literature review, ***The Gazette of Medical Sciences***, 2021

Conference Papers:

1. Risk of Heart Disease in Esophagus Cancer Radiotherapy: with considering baseline risk of heart disease. **World Congress on Cardiology & Emergency Medicine,** August, 2021 (English presented)
2. Comparison of Secondary Cancer Risk Incidence after Radiotherapy of Seminoma in Conventional and Conformal Radiotherapy, **3rd International Clinical Oncology Congress**, Tehran, Iran, December, 2018 (English presented)

Published book Chapter:

Low Dose Radiation in Health and Disease, Chapter: low dose radiation therapy for COVID-19 associated pneumonia: Is there sufficient supporting evidence? S.M. Javad Mortazavi, Abdollah Jafarzadeh, Abolkarim Ghadimi-Moghadam, **Hamid Ghaznavi**, Joseph J Bevelacqua, Alireza Mortazavi, James S Welsh, Narosa Publisher, India (In press)

Work Experience

2020-Feb - Current **Instructor**
Radiology Department, *Kurdistan University of Medical Sciences, Iran*

- **Courses Taught:** Physics of Computed Tomography, Physics of MRI, Dosimetry in Radiology, Radiation Protection in Radiology and Radiotherapy, Physics of Radiotherapy, Radiology techniques, Contrast Agents, Physic of Diagnostic Radiology, Advanced Modalities in Medical imaging. Image Processing in Medical Imaging
- **Member of Research Council** of Paramedical School, *Kurdistan University of Medical Sciences, Iran*

2018-Jun – 2019-Sep **MRI Technologist**, Passing Military Service Course, Sanandaj, Iran

2022-Apr – Current Head of **Scientific Association** of Paramedical School, *Kurdistan University of Medical Sciences, Iran*

Certifications:

- Passed the online course of **5th Iranian symposium on brain mapping updates (**July 2021).
- Passed the course of **Advanced Radiation Protection in Medicine,** Radiation Protection Center**,** AEOI (2019).
- Passed the online course of **Heavy Ion Therapy Masterclass School** focusing on Treatment Planning (May, 2021)
- Passed the online course of **1st Annual Meeting of ISMRM Iranian Chapter**, August, 2022

Skills

- **Human and Animal Cell Culture** (MTT assay)
- **MATLAB** (applied in Image processing in medical imaging)
- **Python (**applied in Image processing in medical imaging)
- **MATRAD** (applied in Treatment planning for hadron therapy
- **Monte Carlo Simulation** (applied in Beam NRC in radiotherapy)

Language

Kurdish: Native

Persian: Fluent

English: Fluent