




Neda Sendani

Assistant Professor of Shahid Beheshti
University of Medical Sciences

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 021-22711131
 Tehran

Marital Status: Married

Education

Ph.D. in Medical Radiation engineering University of Isfahan, Iran

Description:
Excellent degree in defense of PhD thesis
publication of two manuscripts in Medical Physics
journal in collaboration with University of Minnesota,
USA

B.Sc. in Imaging Technology (Radiologic Science)

Shahid Beheshti University of Medical Science,
Tehran, Iran

Description:
Graduated Score: 17.68 out of 20

Employment History

Assistant Professor

Shahid Beheshti University of Medical Sciences
Jun 2024 - Now

Academic Teacher

Shahid Beheshti University of Medical Sciences
(Tehran)

Oct 2022 - Jun 2024

Description:
Teaching to Bachelor and Master students of
radiotherapy

Medical Physicist

Roshana Radiotherapy and Oncology Center, Iran
(Tehran)

Nov 2018 - May 2024

Description:
All responsibly related to Medical Physicist including:

- Comprehensive quality assurance of LINAC (Varian, Clinac)
- Patient treatment planning (ECLIPSE TPS): 3DCRT, IGRT, IMRT
- Patient specific quality assurance
- Relative and absolute dosimetry

Medical Physicist

Booali Hospital, Iran (Tehran)

2021 - 2022

Description:

- Treatment planning (RAYPLAN TPS)
- Absolute and relative dosimetry
- QA and Treatment planning in Brachytherapy (BEBIG system)

Research Fellow

Radiation Oncology Department, University of
Minnesota, USA (Minnesota, USA)

2016 - 2017

Description:

- Quality assurance of LINAC (Varian, TrueBeam)
- Experience in configuration of 'Eclipse' and Pinnacle treatment planning systems
- IMRT and VMAT treatment planning (Eclipse& Pinnacle TPS)
- Tomotherapy treatment planning
- Experience in dosimetry by Ionization chambers, Gafchromic EBT3, Diamond dosimetr, Exradin Scintillation detector, ArcCHEK dosimetr

Academic Teacher

Shahid Beheshti University of Medical Science
(Tehran)

2014/2016 - 2017/2018

Description:
Teaching to Bachelor students of radiotherapy and
radiology

Medical Physicist/Quality officer

Noor Medical Imaging Center, Iran (Tehran)

2012/2016 - 2017/2018

Description:

- Quality assurance of medical imaging modalities
- quantitative MRI officer for thalassemic Patients

CT and MRI Technologist

Noor Medical Imaging Center, Iran (Tehran, Iran)

2006 - 2012

Description:

- Advanced CT and MRI Techniques
- Body and Cardiac Angiography
- MR Spectroscopy, MR Angiography, MR Mamography

Courses

Dosimetry School

PTW Company- Freiburg, Germany
2019

maintenance and Quality Assurance in External Beam Radiotherapy

Radiation Oncology Physics Education (Online course), Australia
Jan 2022 - Mar 2022

Language

English

★★★★☆

Farsi

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Social Links

Linkedin

Neda G Sendani

Researches

Effect of beam configuration with inaccurate or incomplete small field output factors on the accuracy of treatment planning dose calculation for Medical Physics, 46(11), 2019

Impact of region of interest size and location in Gafchromic film dosimetry for Medical Physics, 45(5), 2018

Evaluation of radiation absorbed dose and image quality in different retrospective-ECG gating acquisition methods of Cardiac CT angiography for Radiation Protection Dosimetry, 2017

Optimization of iron load assessment by pixel-based T2* MRI in thalassemic Patients for 18th congress on heart disease, Canada, 2013

Radiation organ dose measurement and cancer risk estimation in CT examination on trauma patients for Middle East Journal of Cancer 10 (3), 206-213

2019

Impact of region of interest size and location in Gafchromic film dosimetry for Presentation in AAPM Annual Congress, USA, 2017

Correlation of pancreatic iron overload measured by T2*-weighted magnetic resonance imaging in diabetic patients with β -Thalassemia major for Hemoglobin Journal, 2017

Optimization of liver iron load assessment by pixel-based T2* MRI in thalassemic Patients for Journal of Radiology, 2012, 2, 46-51