Family name: Hejazi

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Date of Birth: 31/8/1968

Place of Birth: Tehran, Iran

Marital Status: Married, two children

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Educational History:

PhD in Medical Physics 2001-2008, University of Tarbiat Modares, Thehran, Iran.

M.Sc. in Medical Physics 1991-1995, University of Tarbiat Modares, Thehran, Iran.

BSc. in Radiology 1986-1900, Iran University of Medical Science, Tehran, Iran.

Educational and Executive positions:

1- Assistant professor of medical physics in medical School, Semnan University of medical sciences, Semnan, Iran.
2- Liable of Health physics and quality control of medical imaging Semnan University of medical sciences.
3- Head of Medical Physics Department

Society's membership:

1- Iranian Medical Physics Society
2- European Society for therapeutic radiology and oncology(ESTRO)

Professional Experiences:

1- Simulation with Monte Carlo Method(MCNP)
2- Radiotherapy physicist(MU calculation in photon beam)
3- Quality control of Radiology and CT
4- Health physics in nuclear medicine and radiology
5- Chromosome aberration
6- Enough experience on MATLAB programming

Research Interests:

Simulation Monte Carlo programming in radiotherapy(MCNP ,GATE,FLUKA)

Medical Image processing on Oncology

Current Projects

Monte Carlo study of electron contamination in photon beam

Monte Carlo study of neutron contamination in photon beam

Dose reduction in computed tomography

Teaching Interests:

1. I teach graduate-level: Radiobiology, Computed tomography physics, Radiology physics, Quality control.
2. I teach Post-graduate level: Radiotherapy, Radiation protection, medical Imaging, Quality control, Radiology physics.

Publications:

1- Barati AH,Hejazi P, Hasanzadeh H. Hematoporphyrin encapsulated polymeric nanomicelles for photodynamically treatment of cancer. JPS, 2012; 3: 15-19.
2- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. Determination of a medical Linac wedge factor dependency on the field size, depth and separation using Monte Carlo method to introduce an algorithm for treatment planning. Koomesh, 2008; 10: 13-19 (Persian).
3- Hejazi P, Hashemi B, Shahriary M, Kazemnejad A. Monte Carlo simulation of angular, radial and energy distribution of a medical linear accelerator using MCNP4C code. Koomesh, 2007; 8: 101-109 (Persian).
4- Mozdarani H, Hejazi A, Hejazi P. chromosome aberration in lymphocyte of individuals with chronic exposure to gamma radiation. Archives of Iranian Medicine, 2002; 5: 32-36.
5- Shahrabi S, Hejazi P. Survey of chromosome aberration induced by inhold anesthetic gasses in lymphocyte of operation room personnel using metaphase analysis method. Koomesh, 2001; 2: 161-165 (Persian).
6- Hejazi P, Sohrabi M. Staff radiation doses associated with nuclear procedures and efficiency of syringe shield for reduction dose. Koomesh, 2001; 2: 117-122 (Persian).

Participation in congress:

1- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. The effect of wedge on volume scatter ratio and phantom scatter ratio using Monte Carlo method: Presented in the 9th Iranian congress of medical physics; May 19-20 2010, Tehran, Iran.
2- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. An investigation on the internal wedge factor estimation for an Elekta Linac using Monte Carlo simulation, Presented in the 11th congress of the IUPESM, September 7-12 2009, Munich, Germany.
3- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. A formolism developed for determining the head scatter factor of a linac 6MV photon beam for open and internal wedged fields using Monte Carlo methd. Presented in the first SANTRO symposium; Aug 28-30 2008, Beijing, China.
4- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. Determination of the initial electron beam parameters in the Monte Carlo linac simulation of the photon beam using MCNP4C code. Presented in the 8th Iranian congress of medical physics; May 28-19 2008, Tehran, Iran.
5- Hejazi P, Hashemi B, Shahriary M, Virtual photon source definition in MCNP4C for dose calculation. Presented 25th ESTRO congress; October 8-12 2006, Leipzig,Germany.
6- Hejazi P, Hashemi B, Shahriary M, Eivazi MT, Kazemnejad A. Determination of a medical Linac wedge factor dependency on the field size, depth and separation using Monte Carlo method to introduce an algorithm for treatment planning. Presented in the 6th congress of the Iranian radiographic sciences association : April 24-25, 2008 , Shiraz, Iran.
7- Hejazi P, Sohrabi M, Hejazi A, Estimation of radiation dose to nurses and nuclear medicine staff from radioactive patient undergoing nuclear medicine investigation, presented in the 5th Iranian congress of nuclear medicine, October 14-16 2001, Tehran, Iran.
8- Hejazi P, Sohrabi M, Staff radiation doses associated with nuclear medicine procedures and efficacy of syringe shield and apron for dose reduction, presented in the 4th Iranian congress of nuclear medicine, October 14-16 2000, Tabriz, Iran.
9- Hejazi P, Sohrabi M, Implementation of ICRP 60 limits for nuclear medicine in Iran, presented in the 4th Iranian congress of nuclear medicine, October 14-16 2000, Tabriz,Iran.

10- Hejazi P, Sohrabi M, Partial and hole body staff radiation doses associated with nuclear medicine, presented in the 4th Iranian congress of nuclear medicine, October 14-16 2000, Tabriz,Iran.