

Elnaz Balvasi (MSc)

Birth: (14/12/1989) (24/09/1368), Iran

e_balvasi.ph87@yahoo.com

Education and training:

2012-2015

Master of Medical Physics, Radiation therapy & Dosimetry

- Influence of compensator thickness and field size on the effective attenuation coefficient of a brass compensator and buildup factor for 6 MV intensity-modulated radiation therapy (IMRT)
- Semnan University of Medical Sciences

2008-2012

Bachelor of Physics

- Lorestan University

Teaching:

- Research Methodology
 - Medical Image Processing
 - Physics in Veterinary
 - Physics in surgery room
 - Physics in Anesthesiology
 - Radiation Health
 - Physics
 - Repair of medical devices
 - MATLAB
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- Lorestan University
 - Lorestan University of Medical Sciences

Employment History:

2014-present

- Department of Medical Physics & Radiology technology, Paramedical faculty, Lorestan University of Medical Sciences(LUMS), East Goldashyt, Beside the Social Security Hospital, Korram abad .

Field of Interest:

- Radiotherapy
- Dosimetry
- Medical Image Processing, CT&MRI Imaging
- Radiation Protection
- Computer Aided Design (CAD) for Medical Imaging
- Monte Carlo Simulation, Radiation Modelling

Research Projects:

Chest X-ray dose assessment in patients with a cardiac pacemaker during mammography

Publications:

- Balvasi E, Haghparast A, Hejazi P. Influence of Compensator Thickness and Field Size on the Effective Attenuation Coefficient of a Brass Compensator for Intensity-Modulated Radiation Therapy. journal of ilam university of medical sciences. 2016;24(4):61-70.
- Balvasi E, Salehi Z. CT-Image analyzing using MC simulations to diagnose lung cancer at early stages; 2016.

Workshops:

2014 4 Day "Radiation protection" SUMS, Semnan, Iran

2015 6 Day "Research Methods in Medical Sciences" SUMS, Semnan, Iran

conference proceedings:

- Balvasi E, Haghparast A, Hejazi P. Influence of Compensator Thickness on the Effective Attenuation Coefficient of a Brass Compensator for Intensity-Modulated Radiation Therapy. The First Annual Research Congress of Semnan University of Medical Sciences.8-9 March, 2015.Semnan.
- Balvasi E, Haghparast A, Hejazi P. Influence of field size on the Effective Attenuation Coefficient of a Brass Compensator for IMRT. The second seminar on the role of medical science in health promotion.18 February, 2015.Tehran.
- Balvasi E, Salehi Z. CT-Image analyzing using MC simulations to diagnose lung cancer at early stages. International Congress on Medicine, Public Health and Biological Sciences (MPHBS). 18-19 September, 2016.Tehran.
- **. Languages:**
- Persian (native)
- English (intermediate)