

In the name of GOD

Curriculum Vitae



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Ph.D. of Medical Physics

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A. Research Publications:

- 1- **Energy dependence of measured CT numbers on substituted materials used for CT number calibration of radiotherapy treatment planning systems.** PLoS ONE. 11 (7), e0158828, 2016.
Mahmoudi, R., [Jabbari, N.](#), **(corresponding author)**, Aghdasi, M., Khalkhali, H.R.
- 2- **Comparative of radiation dose and image quality of Conventional Multislice Computed Tomography (MSCT), Cone-Beam CT (CBCT) and periapical radiography in dental imaging.** Journal of Dental Medicine-Tehran University of Medical Sciences. 6;28(4):334-42, 2016.
[Nasrollah Jabbari](#), Seyyed Reza Mousavi, Kamal Firoozi

- 3- **Eucerin impedes transdermal insulin delivery by sonophoresis in rats.** Journal of Applied Pharmaceutical Science. 6 (10), pp. 195-199, 2016.
[Jabbari, N.](#), Mikaili, P., Asghari, M.H., Ahmadin, H.

- 4- **Applying data mining techniques to extract hidden patterns about breast cancer survival in an Iranian cohort study.** Journal of Research in Health Sciences. 16 (1), pp. 31-35, 2016.
Khalkhali, H.R., Afshar, H.L., Esnaashari, O., [Jabbari, N \(corresponding author\)](#).

- 5- **Influence of radiation therapy parameters on the quality of life in patients with head and neck cancer treated with three-dimensional conformal radiotherapy.** Journal of Isfahan Medical School. 33 (365), pp. 2302-2310, 2016.
Mousavi, S.R., [Jabbari, N.](#)

- 6- **Developing a Commercial Air Ultrasonic Ceramic Transducer to Transdermal Insulin Delivery.** Journal of Medical Signals & Sensors. 2(10): 117-122, 2015.
[Nasrollah Jabbari](#), Mohammad Hossein Asghari, Hassan Ahmadian, Peyman Mikaili.

- 7- **Effects of treatment strategies and demographic characteristics on normal tissue complication probability in head and neck radiotherapy using the lyman model.** Journal of Isfahan Medical School. 33(339): 1-10, 2015.
[Jabbari, N.](#), Mousavi, S.R., Esnaashari, O., Aghdasi, M., Khalkhali, H.R.

- 8- **The efficiency of transdermal insulin delivery by using different concentrations of insulin ointment in hyperglycemic rats.** International Journal of Research in Applied and Basic Medical Sciences. 1(1): 20-26, 2015.
[Jabbari N](#), Asghari MH, Mikaili.

- 9- **Influence of the intravenous contrast media on treatment planning dose calculations of lower esophageal and rectal cancers.** Journal of cancer research and therapeutic 1(10): 147-152, 2014.
[Nasrollah Jabbari](#), Mikaeil Molazadeh, Omid Esnaashari, Mojtaba Seyed Siahi, Ahad Zeinali

- 10- **Radiosensitivity of radioresistant colorectal cancer cells after treatment with docosahexaenoic acid and irradiation.** Tehran University Medical Journal, June 2014; Vol. 72, No. 3: 139-146.
Farideh Hosseini, Mohammad Reza Sam, [Nasrollah Jabbari](#).

- 11- **The Viewpoint of paramedical students about advisors' performance of Urmia University of Medical Sciences.** Journal of Urmia Nursing and Midwifery Faculty. 12(6); 420-426, 2014.
Zare Fazlollahi, Jabraeily M, [Jabbari N \(corresponding author\)](#), Shikhi N, Sofyan kh

- 12-**Evaluation the Effect of Photon Beam Energies on Organ at Risk Doses in ThreeDimensional Conformal Radiation Therapy.** Research Journal of Applied Sciences, Engineering and Technology 6(12): 2110-2117, 2013.
Mikaeil Molazadeh, Hassan Saberi, Leili Rahmatnezhad, Avin Molani and [Nasrollah Jabbari](#) (**corresponding author**).
- 13- **Evaluation of the factors affecting students' academic failure in Urmia University of Medical Sciences in 1390.** Journal of Urmia Nursing and Midwifery Faculty. 11(8); 614-621, 2013.
Rahimi B, Kazemi N, Mohammadpour Y, Rahmatnejad L, [Jabbari N](#) (**corresponding author**).
- 14-**Assessment of Radiology Technology Students' Internship withObjective Structured Clinical Examination.** FMEJ 3;3 mums.ac.ir/j-fmej SEPTEMBER 21, 2012.
[Nasrollah Jabbari](#), Ahad Zeinali, Safar Ageshteh
- 15-**Patient dose from radiographic rejects/repeats in radiology centers of Urmia University of Medical Sciences, Iran.** Health 4 (2012) 94-100.
[Nasrollah Jabbari](#), Ahad Zeinali¹, Leili Rahmatnezhad²
- 16-**Multiple-source models for electron beams of a medical linear accelerator using BEAMDP computer code.** Reports of practical oncology and radiotherapy 17 (4) 211–219, 2012
[Nasrollah Jabbari](#), Amir Hoshang Barati, Leili Rahmatnezhad
- 17- **An Investigation of Mean Glandular Dose from Routine Mammography in Urmia, Northwestern Iran and the Factors Affecting It.** Research Journal of Applied Sciences, Engineering and Technology 4(18): 3348-3353, 2012.
Leili rahmatnezhad, Zhaleh Behrouzkiya, Ahad Zeinali, Mir Hamid Mohammady and [Nasrollah Jabbari](#), (**corresponding author**).
- 18-**Problems and obstacles in implementation of Picture Archiving and Communication System (PACS) in Urmia Imam Khomeini Hospital.** Hospital 10(4) 2011.
[Nasrollah Jabbari](#), Hadi Lotfnezhad Afshar, Ahad Zeinali, Aram Feizi, Johnson Sheno Ali-Komi
- 19-**Evaluation of the electron energy fluence and angular distributions from a clinical accelerator. A BEAMnrc Monte Carlo study.** Iran. J. Radiat Res., 2011;9:29-36.
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- 20-**Monte Carlo modeling of the electron beams of a NEPTUN 10PC medical linear accelerator.** NUKLEONIKA. 2009; 54:233-238.
[Nasrollah Jabbari](#), Bijan Hashemi-Malayeri
- 21-**An assessment of the Photon Contamination due to Bremsstrahlung Radiation in the Electron Beams of a NEPTUN 10PC Linac Using a Monte Carlo Method.** Iranian Journal of Medical Physics. 2009; 6: 21-32.
[Nasrollah Jabbari](#), Bijan Hashemi-Malayeri
- 22-**Comparison of MCNP4C and EGSnrc Monte Carlo codes in depth dose calculation of low energy clinical electron beams.** J. Phys. D: Appl. Phys. 2007; 40: 4519–4524.
[Nasrollah Jabbari](#), Bijan Hashemi-Malayeri, **Alireza Farajollahi, Anoshiravan Kazemnejad, Abbas Shafaei and Shahin Jabbari**
- 23-**Monte Carlo calculation of scattered radiation from applicators in low energy clinical electron beams.** NUKLEONIKA. 2007; 52:97-103.
[Nasrollah Jabbari](#), Bijan Hashemi-Malayeri, **Alireza Farajollahi, Anoshiravan Kazemnejad**
- 24-**Evaluation of 6 and 8 MeV Clinical Electron Beams from NEPTUN 10PC Linear Accelerator Using Monte Carlo Method.** Journal of Nuclear Science and Technology. 2007; 40: 11-18.
[Nasrollah Jabbari](#), Bijan Hashemi-Malayeri, **Alireza Farajollahi, Anoshiravan Kazemnejad, Abbas Shafaei and Shahin Jabbari**
- 25-**The Appropriate Wide Energy Window in Imaging with Gamma Camera.** Iranian Journal of Nuclear Medicine. 2003; 21: 63-72.
[Nasrollah Jabbari](#), Hossein Rajabi, Hasan Firoozabady, Feridoon Rustgou, , Nahid Yaghoobi, Ahmad Bitarafan-Rajabi, Bijan Hashemi-Malayeri

B. List of Papers presented in Congresses and Seminars:

- 1- **Evaluation of Dose Distributions within Target Volume and Organs at Risk (OARs) in Radiotherapy of Lower Esophageal Cancers using a 3D Treatment Planning system.** 1St MEFOMP International Conference of Medical Physics. 2011, Shiraz, Iran
- 2- **Monte Carlo Simulation of 6 MV Photon Beam from Siemens PRIMUS Linac.** 1St MEFOMP International Conference of Medical Physics. 2011, Shiraz, Iran
- 3- **The effects of voxel size on the simulation time using the range rejection method as a variance reduction technique.** The 9th Iranian Congress of Medical Physics. 2010, Tehran, Iran.
- 4- **A Monte Carlo Study of the Particle Angular Distributions from the Electron Applicators of a Medical Linear Accelerator.** The 11th World Congress on Medical Physics and Biomedical Engineering. 2009, Munich, Germany.
- 5- **A multiple source Monte Carlo model developed for simulating the clinical electron beams of NEPTUN 10PC medical linac.** ESTRO 27. Sept 14 – 18, 2008, Göteborg, Sweden.
- 6- **An investigation of the photon energy fluence distribution from a NEPTUN 10PC electron beams.** The first Congress of Radiation Protection in Radiotherapy and Diagnostic Radiology. 2008, Tehran, Iran.
- 7- **Calculation of the X-ray dose in the electron beam of NEPTUN 10PC linac using Monte Carlo method.** The first SANTRO symposium. 2008.
- 8- **Monte Carlo Evaluation of Clinical electron Beams from NEPTUN 10PC Linear Accelerator.** The 7th Iranian Congress of Medical Physics. 2006, Ahwaz, Iran.
- 9- **Monte Carlo Calculation of Scattered Radiation from Applicators in Clinical Electron beams.** The 7th Iranian Congress of Medical Physics. 2006, Ahwaz, Iran.
- 10- **Energy calibration using a single radioactive source.** NEANM 04 – Annual Congress of the European Association of Nuclear Medicine-2004. Finland.
- 11- **A new method for obtaining energy spectra from the Gamma Camera.** The 6th Iranian Annual Meeting of Nuclear Medicine. 19-21 Oct 2002, Mashhad, Iran.
- 12- **An evaluation of the radioprotective effects of Nasturtium officinale extract against irradiation induced blood cell changes in Mice.** 21st International Iranian congress of Physiology and Pharmacology. 23-27 August 2013, Tabriz, Iran.

- 13- **Application of an Air Ultrasonic Ceramic Transducer on Transdermal Drug Delivery**, 12th World Congress on Medical Physics and Biomedical Engineering. 2012, Beijing, China.
- 14- **Evaluation of effects of Bone mineral density levels on femoral neck fractures using Quantitative Computed Tomography (QCT) based Finite Element Analysis (FEA)**. 12th World Congress on Medical Physics and Biomedical Engineering. 2012, Beijing, China.
- 15- **Eucerin impedes transdermal insulin delivery by sonophoresis in rats**. 12th World Congress on Medical Physics and Biomedical Engineering. 2012, Beijing, China.
- 16- **The use of cerrobend to increase therapeutic range in electron beam therapy**. 12th World Congress on Medical Physics and Biomedical Engineering. 2012, Beijing, China.

C) Current research interest

- i. Medical Imaging modalities (Radiology, Mammography, CT- scan, Nuclear Medicine, Ultrasound)**
- ii. Radiotherapy and Radiobiology**
- iii. Monte Carlo simulation**
- iv. Molecular Imaging**