



Personal Data

Name: Mohsen Bakhshandeh
Date of Birth: 23.08.1979
Marital Status: Married
No. of Children: one daughter and one boy
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Work address

1. Radiology & Radiotherapy department- Para Medical Faculty- Shahid beheshti university of medical sciences-Darband St- Ghods Sq- Tajrish Sq- Tehran-Iran.
2. Radiotherapy Department, Shohadaye tajrish hospital- Shahid beheshti university of medical sciences-Tajrish Square-Tehran-Iran.

EDUCATION

- **Ph.D. in Medical Physics** **2012**
Tarbiat modares University, Tehran, Iran.
Thesis title: Determination of the Thyroid Dose-Response in Patients Undergoing Head and Neck External Radiotherapy Using the Functional Assay Method Based on the DMH Concept in the NTCP Models.
- **M.Sc. in Medical Physics** **2006**
Tarbiat modares University, Tehran, Iran.
Thesis title: Attenuation correction in myocardial perfusion SPECT using transmission scanning with TC-99m.
- **BSc in radiology technology** **2002**
Faculty of Para Medical sciences, Shahid beheshti university of medical sciences, Tehran, Iran.

WORK EXPERIENCES

- **Associate Professor** **2017 to present**
Radiology & Radiotherapy Department- Para Medical Faculty- Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- **Manager of Radiology group** **2016 to present**
Para Medical Faculty- Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- **Assistant Professor** **2013 to 2017**
Radiology & Radiotherapy Department- Para Medical Faculty- Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- **Manager of Postgraduate Studies** **2014 to present**
Para Medical Faculty- Shahid Beheshti University of Medical Sciences, Tehran, Iran.

- **Chief Medical Physicist (Radiation Oncology)** **2010 to present**
Shohadaye tajrish Hospital – Shahid beheshti university of medical Sciences, Tehran, Iran.

- Calibration of Simulator and Treatment machines
- Commissioning of linear Accelerators
- Dosimetry and QA of treatment machines
- 3D Conformal treatment planning
- Research in clinical radiobiology
- Research in NTCP Modeling
- Research in advanced Radiotherapy
- Radiation Protection officer
- Hyperthermia in oncology
- IMRT
- IMRT Dosimetry

- **Medical Physicist (Radiation Oncology)** **2005 to 2010**
Fayaz bakhsh Hospital – Social security organization of Iran

- Calibration of Simulator and Treatment machines
- Dosimetry and QA of treatment machines
- 3D Conformal treatment planning
- Cobalt Tele therapy machine
- Research

- **Nuclear Medicine Physicist /RSO** **2004 to 2005**
Alvand nuclear medicine center – Tehran – Iran

- QA/QC Gamma Camera of different models
- Commissioning and Acceptance Test of Gamma Camera and Dose Calibrators
- QA/QC and Acceptance Testing of Dose Calibrators
- Drafting and implementing radiation protection policy in the center
- Supervised installation of equipment in the department of nuclear per recommendation of AAPM/IAEA/NEMA

- **Medical Radiation Technologist (MRI)** **2002 to 2004**
Milad Hospital – Tehran – Iran

MEMBER OF ASSOCIATIONS

- **Member of board in IAMP (Iranian Association of Medical Physicists)
2018 to present**
- **Member of IAMP (Iranian Association of Medical Physicists)
2004 to present**
- **Member of ESTRO (European Society for Radiotherapy & Oncology)
2012 to present**
- **Member of AAPM (American Association of Physicists in Medicine)
2012 to present**

Professional Trainings

- **ESTRO Congress (Italy) 2019**
- **Rapid Arc training course (Switzerland) 2019**
- **Relative Dosimetry Course (Germany) 2018**
- **ESTRO Congress (Spain) 2018**
- **ESTRO Congress (Austria) 2017**
- **ESTRO Congress (Italy) 2016**
- **QA IMRT PLAN (SWEDEN) 2016**
- **RAY STATION TPS (SWEDEN) 2015**
- **SRS-SBRT-VMAT-mArc (Germany) 2015**
- **VMAT/IMRT Clinical School (Germany) 2015**
- **VMAT/IMRT (Switzerland) 2015**
- **Eclipse TPS (Switzerland) 2014**
- **OIS-ARIA (R&V) (Switzerland) 2014**
- **Hyperthermia (Germany & Switzerland) 2014**
- **IMRT Technique (Germany) 2014**
- **IMRT Dosimetry (Germany) 2014**

- **PET-CT (Hungary, Budapest)** **2013**
- **Isogray Treatment Planning system (Paris, France)** **2012**
- **Radiation Dosimetry (Germany)** **2012**
- **Contrast Media in medical imaging** **2011**
- **Radiation protection in radiotherapy** **2010**
- **Medical instrumentations** **2008**
Tarbiat modares university , Tehran ,Iran
- **New techniques in radiotherapy (workshop)** **2007**
shahid beheshti university , Tehran, Iran
- **Mammosite and brachytherapy (workshop)** **2007**
shahid beheshti university , Tehran, Iran
- **QA/ QC and Radiation Protection in Radiotherapy** **2007**
Tarbiat modares university , Tehran ,Iran
- **Advance Radiation Safety Course** **2007**
Tarbiat modares university , Tehran ,Iran
- **2D and 3D Treatment planning in radiotherapy** **2006**
Tarbiat modares university , Tehran ,Iran
- **Radiation Dosimetry** **2004**
Tarbiat modares university , Tehran ,Iran
- **Physics of MRI , CT , Ultrasound , PET , SPECT** **2002**
Tarbiat modares university , Tehran ,Iran
- **Techniques of MRI , CT , Ultrasound , PET , SPECT** **2000**
shahid beheshti university , Tehran, Iran
- **Techniques of Radiography** **1998**
shahid beheshti university , Tehran, Iran

Teaching Experiences

- 2017 to present- for PhD students in Medical Physics: Clinical Radiobiology- Radiotherapy in practice
- 2009 to present- Shahid beheshti university of medical sciences: Medical Physics , Radiobiology, Radiation protection, physics of linear accelerators, Dosimetry, treatment planning.
- 2012 to present- Shahid beheshti university of medical sciences: Clinical

Radiobiology to Radiation Oncologists.

- 2005- 2009- Artesh university of medical sciences: Physics for Physiotherapy students, Radiotherapy techniques for radiographers.
- 2001- 2008- Artesh university of medical sciences: Different topics of Medical Physics for Para-medical students, Medical Physics for Medical students and Dentistry.
- 2001-2002- Artesh university of medical sciences: Radiotherapy physics for B.Sc students of Radiotherapy Technology.

PUBLICATIONS

- 1- **Bakhshandeh M**, Hashemi B, Mahdavi SR, et al. Evaluation of Thyroid Disorders During Head-and-Neck Radiotherapy by Using Functional Analysis and Ultrasonography. **Int J Radiat Oncol Biol Phys** 2012; 83(1):198-203.
- 2- **Bakhshandeh M**, Hashemi B, Mahdavi SR, et al. NTCP Modeling of Radiation Induced Hypothyroidism following Head and Neck Radiotherapy. **Int J Radiat Oncol Biol Phys** 2013; 85(2):514-521.
- 3- Susan Cheraghi, Parsa Nikoofar, Pedram Fadavi, **Mohsen Bakhshandeh**, et al. Short-term cohort study on sensorineural hearing changes in head and neck radiotherapy. *Med Oncol* 2015 Jul 13; 32(7):200.
- 4- Amin Banaei, Bijan Hashemi, **Mohsen Bakhshandeh**. Comparing the monoisocentric and dual isocentric techniques in chest wall radiotherapy of mastectomy patients. **J Appl Clin Med Phys** 2015 8; 16(1):5069.
- 5- Hossein Masoumi, Manijhe Mokhtari-Dizaji, Azim Arbabi, **Mohsen Bakhshandeh**. Determine the Dose Distribution Using Ultrasound Parameters in MAGIC-f Polymer Gels. *Dose-Response: An International Journal* January-March 2016:1-7.
- 6- Fariborz Faeghi, **Mohsen Bakhshandeh**, Abolfazl Moslemi, Morteza Sanei Taheri, Mohammad Hoshiyari. The Value of Pretreatment Apparent Diffusion Coefficient in Predicting Response of GBM Tumors to Radiotherapy. *Int. J. Rev. Life. Sci.*, 5(9), 2015, 992-995.
- 7- Tahere Dehghan, Hossein Mozdarani, Arezoo Khoradmehr, Seyed Mehdi Kalantar,

- Mohsen Bakhshandeh**, et al. Evaluation of embryo quality after concurrent use of ovarian stimulating hormones and gamma irradiation. Iran J Reprod Med 2014 Aug; 12(8):573-80.
- 8- Hossein Masoumi, Manijeh Mokhtari-Dizaji, Azim Arbabi, **Mohsen Bakhshandeh**. The Ability of Ultrasonic Characterization to Extract the Dose Distribution of MAGIC-f Polymer Gel. Journal of Kerman University of Medical Sciences 22 (4), 394-409.
- 9- Rojin Zahedi, **Mohsen Bakhshandeh**, Hojatolah Sabouri, Mehran Yar Ahmadi, Amir Nami, Daem Roshani. Early effect of radiation on the liver function tests of patients with thoracic and abdominal tumors during radiotherapy. The Journal of Paramedical Sciences (JPS) , Summer 2016 , Vol 7, No 3: 8-12.
- 10- Mojtaba Navabpour, Zhilla Jamshidinia, **Mohsen Bakhshandeh**. Studying a specific tumor marker by a new method and analyzing its efficiency in labeling animals. Annals of Military and Health Sciences Research 2015; 13 (1): 15-20.
- 11- Jalal Ordoni, **Mohsen Bakhshandeh**, Afshin Rakhsha, Samira Azghandi, Parastoo Hajjan. A prospective study on hypopituitarism after radiotherapy in non pituitary brain tumors. Acta Medica International, 2016 , Vol 3, No 2.
- 12- Zohreh azma, A.R. Kamali asl, A. Bitarafan Rajabi, M.R Aghamiri, M.A Mousavizadeh, **Mohsen Bakhshandeh**. Verification of different depth correction methods used in determination of GFR by Gates method. Radiotherapy and oncology . 2014, Volume 111, Supplement 1.
- 13- Zohreh azma, A.R. Kamali asl, M.A Mousavizadeh, M.R Aghamiri, **Mohsen Bakhshandeh**, A. Bitarafan Rajabi. Evaluation of renal toxicity after chemoradiation of stomach cancer using functional analysis. Radiotherapy and oncology . 2013, Volume 106, Supplement 2, Pages S405–S406.
- 14- S Borhani, H Mozdarani, S Babalui, **M Bakhshandeh**, H Nosrati. In vitro radiosensitizing effects of temozolomide on U87MG cell lines of human GBM. Iranian journal of medical sciences 2017 , 42 (3), 258.
- 15- Assessment of computer regulation thermography as a complementary diagnostic tool for breast cancer patient. J Biomed Phys Eng 2016.
- 16- Ainaz Sourati, Mona Malekzadeh, **Mohsen Bakhshandeh**, et al. Evaluation of Relationship between Testicular Dose and Hormonal Changes after Radiotherapy in Patients with Rectal Cancer. Reports of radiotherapy oncology 2015.
- 17- **Bakhshandeh M**, Rajabi H, Vafamanesh M. Attenuation correction in myocardial perfusion SPECT using transmission scanning with TC-99m ; Iranian journal of nuclear

medicine 2006.

- 18- **Bakhshandeh M**, Salooti M. quality control of nuclear medicine instruments. Iranian journal of medical engineering 2005.
- 19- Tayebeh Marashi, Fatemeh Nadir, Abbas Alipour, Ali Ramezankhani, **Mohsen Bakhshandeh**. Knowledge, attitude and behavior towards using of microwave oven among women working at Shahid Beheshti University of Medical science and Health service . Journal of Health in the Field 2017, 5 (2).
- 20- S Cheraghi, A Nikoofar, **M Bakhshandeh**, S Khoei, S Farahani, et al. Normal tissue complication probability modeling of radiation-induced sensorineural hearing loss after head-and-neck radiation therapy. International journal of radiation biology, 2017, 1-7.
- 21- M Aminian, **M Bakhshandeh**, M Allahbakhshian-Farsani, E Bakhshandeh, et al. Comparison of the protection performance in a composite shield and a lead standard shield in terms of biological effects in nuclear medicine 2017, Iranian Journal of Nuclear Medicine 25 (2), 129.
- 22- H Zarei, H Mozdarani, A Mahmoudzadeh, **M Bakhshandeh**, ND Nayeri. The probability of influence of the abscopal effect on reduction of similar far away 4T1 cell line tumors by irradiation of main tumor. 2017, Journal of Paramedical Sciences 8 (3), 22-28.
- 23- Ebrahim Jafari, Sayed Mohammad Mahdi Abtahi, **Mohsen Bakhshandeh**. Investigation of the effect of collimation on CT Dose distribution using EBT film and PMMA phantom. iranian journal of radiation safety and measurment 2015, 3(3), 43-56.
- 24- S Sabzi, **M Bakhshandeh**, M Houshyari, N Shakeri, AJ Arfaee. Evaluation and comparing rectum and bladder's clinical complications in pelvis radiotherapy in order to treat prostate cancer by using custom block and MLC. Journal of Paramedical Sciences 2016, 7 (4), 21-29.
- 25- FF Moghadam, **M Bakhshandeh**, H Sahinbas. A brief review of Hyperthermia as a neoadjuvant therapy method related to cancer treatment. Journal of Cellular Immunotherapy 2017, 3 (1), 8.
- 26- HS Douk, MR Aghamiri, M Ghorbani, B Farhood, **M Bakhshandeh**. Accuracy evaluation of distance inverse square law in determining virtual electron source location in Siemens Primus linac. Reports of Practical Oncology & Radiotherapy 2018, 23 (2), 105-113.
- 27- B Mofid, A Razzaghdoost, A Sadipour, **M Bakhshandeh**, A Mahdavi. Lack of radioprotective efficacy of nanocurcumin in prostate cancer patients undergoing radiotherapy. Radiotherapy and Oncology 2018, 127, S835-S836.

- 28- Samira Chaibakhsh, Farid Zayeri, Ahmad Reza Baghestani, **Mohsen Bakhshandeh**, Seyed Mahmood Reza Aghamiri, AkramHaji Safari. The Effect of Radiation Therapy on Hearing Loss in Patients with Head and Neck Cancer. International Journal of Cancer Management 2018, 11 (4).
- 29- Akram Hajisafari, **Mohsen Bakhshandeh**, Seyed Mahmood Reza Aghamiri, Mohammad Houshyari, Afshin Rakhsha, Eftekhar Rajab Bolokat, Abbas Rezazadeh. Prospective evaluation of the early effects of radiation on the auditory system frequencies of patients with head and neck cancers and brain tumors after radiotherapy. Ear, nose, & throat journal 2018, 97 (3), E10-E17.
- 30- Atiye Nazari, Hamid Alavimajd, **Mohsen Bakhshandeh**. Reliability of functional connectivity in resting-state functional MRI. Journal of Paramedical Sciences 2018, 9 (1).
- 31- H Zarei, H Mozdarani, A Mahmoudzadeh, M Salimi, H Eyni, **M Bakhshandeh**. Quantitative evaluation of abscopal effect based on biological effective dose in breast cancer tumors in mice. International Journal of Radiation Research 2018, 16 (1), 45-54
- 32- Saeedeh Mir Mohammadi Rad, **Mohsen Bakhshandeh**, Mahmoud Reza Aghamiri, Marzieh Rohani-Rassf, Mona Malekzadeh Moghani, Alireza Khoshghadam, Ehsan Akbari Hamed. Evaluation of the Celecoxib Effect against Radiotherapy Induced Acute Toxicities in the Patients with Prostate Cancer Compared with Placebo Group. International Journal of Cancer Management 2018, in press.
- 33- Maryam Farhadi, **Mohsen Bakhshandeh**, Babak Shafiei, Aziz Mahmoudzadeh, Seyed Jalal hoseini mehr. The Radioprotective Effects of Nano-Curcumin Against Genotoxicity Induced by Iodine-131 in Patients with Differentiated Thyroid Carcinoma (DTC) by Micronucleus. International Journal of Cancer Management 2018, in press.
- 34- Hamid Abdollahi, Seied Rabi Mahdavi, Bahram Mofid, **Mohsen Bakhshandeh**, Abolfazl Razzaghdoust, Afshin Saadipoor, Kiarash Tanha. Rectal wall MRI radiomics in prostate cancer patients: prediction of and correlation with early rectal toxicity. International journal of radiation biology 2018, 94(9), 829-837.
- 35- Seied Rabie Mahdavi, **Mohsen Bakhshandeh**, Aram Rostami, Ali Jabbary Arfaee. 2D Dose Reconstruction by Artificial Neural Network for Pretreatment Verification of IMRT Fields. Journal of Medical Imaging and Radiation Sciences 2018, 49(3), 286-292.
- 36- Razzagh Abedi Firouzjah, Abolfazl Nickfarjam, **Mohsen Bakhshandeh**. A comparison between Gafchromic™ EBT3 film and Delta4® phantom in IMRT technique of a heterogeneous chest phantom. SSU_Journals 2018, 26 (2), 177-187.

- 37- Reza Sadeghi, Abolfazl Razzaghdoust, **Mohsen Bakhshandeh**, Farinaz Nasirinezhad, Bahram Mofid. Nanocurcumin as a radioprotective agent against radiation-induced mortality in mice. Nanomedicine Journal 2019, 6 (1), 43-49.
- 38- Amin Banaei, Bijan Hashemi, **Mohsen Bakhshandeh**, Bahram Mofid. Trade-off between the conflicting planning goals in correlation with patient's anatomical parameters for intensity-modulated radiotherapy of prostate cancer patients. Journal of Radiotherapy in Practice 2019, 1-7.
- 39- Seied Rabi Mahdavi, Azam Janati Esfahani, Samideh Khoei, **Mohsen Bakhshandeh**, Ali Rajabi. Capacitive hyperthermia as an alternative to brachytherapy in DNA damages of human prostate cancer cell line (DU-145). International Journal of Radiation Biology 2019, 95(2), 193-200.
- 40- Afshin Saadipoor, Abolfazl Razzaghdoust, Nasser Simforoosh, Arash Mahdavi, **Mohsen Bakhshandeh**, Maryam Moghadam, Hamid Abdollahi, Bahram Mofid. Randomized, double-blind, placebo-controlled phase II trial of nanocurcumin in prostate cancer patients undergoing radiotherapy. Phytotherapy research 2019, 33(2), 370-378.
- 41- Atiye Nazari, Hamid Alavimajd, Nezhat Shakeri, **Mohsen Bakhshandeh**, Elham Faghihzadeh, Hengameh Marzbani. Prediction of Brain Connectivity Map in Resting-State fMRI Data Using Shrinkage Estimator. Basic and clinical neuroscience 2019, 10(2), 147-152.
- 42- Hamid Abdollahi, Seied Rabi Mahdavi, Isaac Shiri, Bahram Mofid, **Mohsen Bakhshandeh**, Kazem Rahmani. Magnetic resonance imaging radiomic feature analysis of radiation-induced femoral head changes in prostate cancer radiotherapy. Journal of cancer research and therapeutics 2019, 15(8), 11-18.
- 43- Amin Banaei, Bijan Hashemi, **Mohsen Bakhshandeh**, Bahram Mofid. Evaluation of various common prostate IMRT techniques based on estimated tumor control and normal tissue complication probabilities in correlation with patients anatomical . Polish Journal of Medical Physics and Engineering 2019, 25(1), 35-41.
- 44- R Abedi Firouzjah, A Nickfarjam, **M Bakhshandeh**, B Farhood. The use of EBT3 film and Delta4 for the dosimetric verification of Eclipse™ treatment planning system in a heterogeneous chest phantom: an IMRT technique. International Journal of Radiation Research 2019, 17 (2), 355-361.
- 45- Razzagh Abedi Firouzjah, Amin Banaei, Bagher Farhood, **Mohsen Bakhshandeh**. Dosimetric Comparison of Four Different Techniques for Supraclavicular Irradiation in

- 3D-conformal Radiotherapy of Breast Cancer. Health physics 2019, 116(5), 631-636.
- 46- Amin Banaei, Bijan Hashemi, **Mohsen Bakhshandeh**, Bahram Mofid. Comparison of dosimetric and radiobiological effects of various IMRT techniques regarding to joint volume between target tissue and organs at risk in prostate cancer patients. Tehran University Medical Journal 2019, 77(2), 92-100.
- 47- Hamid Abdollahi, Kiarash Tanha, Bahram Mofid, Abolfazl Razzaghdoust, Afshin Saadipoor, Leila Khalafi, **Mohsen Bakhshandeh**, Seied Rabi Mahdavi. MRI Radiomic Analysis of IMRT-Induced Bladder Wall Changes in Prostate Cancer Patients: A Relationship with Radiation Dose and Toxicity. Journal of medical imaging and radiation sciences 2019, 50(2), 252-260.
- 48- M Morshedi, **M Bakhshandeh**, A Piryaeei, A Emami, M Zangeneh, A Razzaghdoust, H Ghadiri, F Zayeri. Biological Effect of Modern Fetal Ultrasound Techniques on Human Dermal Fibroblast Cells. Journal of Biomedical Physics and Engineering 2019, 9.
- 49- Alireza Mohammadkarim, Manijhe Mokhtari-Dizaji, Ali Kazemian, Hazhir Saberi, Mohammad Mehdi Khani, **Mohsen Bakhshandeh**. Dose-dependent ^{60}Co γ -radiation Effects on Human Endothelial Cell Mechanical Properties. Cell biochemistry and biophysics 2019, 77(2), 179-186.

۵۰- ارزیابی تغییرات توزیع دز در مقطع نگاری کامپیوتری با تغییر موازی سازی با استفاده از فیلم EBT و فانتوم PMMA. مجله سنجش و ایمنی پرتو - جلد ۳، شماره ۳ - صفحات ۴۳-۵۶. ۱۳۹۴.

۵۱- توانایی مشخصه فراصوتی برای استخراج توزیع دز ژل پلیمری MAGIC-f. مجله دانشگاه علوم پزشکی کرمان، دوره بیست و دوم، شماره ۴، ص 394- 409 - ۱۳۹۴.

۵۲- ارائه روش پرتو درمانی تطبیقی جدید تک ایزوسنتریک در پرتو درمانی خارجی دیواره سینه بیماران مستکنومی شده. مجله علوم پیراپزشکی و بهداشت نظامی سال دهم. شماره یکم. تابستان ۱۳۹۴. مسلسل ۱۷.

۵۳- تعیین ژل درسنجی بهینه از ترکیب ژل های مجیک - اف ومقلد بافت با استفاده از پارامترهای فراآوایی در انرژی مگاولتاژ. مجله انجمن مهندسی صوتیات ایران /سال سوم/شماره ۲/پائیز

وزمستان ۱۳۹۴.

۵۴- محمدکریم، مختاری دیزجی، کاظمیان، صابری، هژیر، خانی، طباطبایی، **بخشنامه** بررسی رفتار ریخت شناسی سلول های اندوتلیال عروق بزرگ انسانی در فرآیند پرتو درمانی بر مبنای تصویربرداری اسکلت سلولی. پژوهش های آسیب شناسی زیستی. جلد ۲۰، شماره ۲، ۱۳۹۶.

Oral Presentation In Congress

- Bakhshandeh M, Hashemi B, Mahdavi SR. The NTCP models in Radiotherapy. Tehran, Iran 2015, international congress of Medical Physics.
- Bakhshandeh M, Hashemi B, Mahdavi SR. The Effect of DMH versus DVH for the NTCP Modeling of Hypothyroidism following Head and Neck Radiotherapy of Patients. Beijing, China 2012, World congress on medical physics and biomedical engineering.
- Bakhshandeh M, Rajabi H, Vafamanesh M. Attenuation correction in myocardial perfusion SPECT using transmission scanning with TC-99m. Tehran, Iran 2007, Iranian congress of nuclear medicine.

CONFERENCES

Estro, Milan, Italy	2019
12th Iranian Congress of Medical Physics	2018
Estro, Barcelona, Spain	2018
international congress of clinical oncology, Tehran, Iran	2018
Estro, Vienna, Austria	2017
international congress of clinical oncology, Tehran, Iran	2017
Estro, Turin, Italy	2016

international congress of breast cancer, Tehran, Iran	2016
international congress of Iranian Radiographic Science, Tehran, Iran	2016
international congress of clinical oncology, Tehran, Iran	2016
international congress of Medical Physics, Tehran, Iran	2015
international congress of Iranian Radiographic Science, Tehran	2015
congress of clinical oncology, Tehran, Iran	2015
international congress of Medical Physics, Iran	2013
World congress on medical physics and biomedical engineering, Beijing, China	2012

Thesis Supervisor and Advisor

- 1- 2019 (1397) - Diagnostic evaluation of diffusion weighted imaging in differentiation of benign and malignant cervical lymphadenopathy and correlation with pathology results. Fatemeh Alamolhoda. Medical Imaging- Shahid Beheshti University of Medical Sciences.
- 2- 2018 (1396)- Analysis of bivariate and multivariate correlated ordinal data. Samira Chaibakhsh. Biostatistics. Shahid Beheshti University of Medical Sciences.
- 3- 2017 (1396) – Using shrinkage for improving reliability of subject level resting state fMRI parcellation. Atiye nazari. Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 4- 2017 (1396)- Diagnosis 3D and 4D and CD ultrasound effects on viability , proliferation and apoptosis of cultured human dermal fibroblast. Mina Morshedi. Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 5- 2017 (1396) – Effects of radiation on peripheral blood lymphocytes in the presence of oleuropein. Fatemeh Amani. Msc, Radiobiology"- Shahid

- Beheshti University of Medical Sciences.
- 6- 2017 (1395) - Tailoring and comparison of two dedicated shields for IORT through practical dosimetry and monte carlo simulation and introducing the optimum shield. Shiva Ghasemi. Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
 - 7- 2017 (1396)- Evaluating the accuracy of diffusion weighted imaging in differentiation of primary brain lymphoma from glial tumors. Zahra jan amiri. Msc, Medical Imaging- Shahid Beheshti University of Medical Sciences.
 - 8- 2016 (1395) - Evaluation of the effect of the gelatin, graphite and formaldehyde concentrations on the dose -response sensitivity of ultrasonic tissue-mimicking gel as a new gel – phantom. Neda Gohar Pei , Msc, Medical Physics"- Tarbiat Modares University.
 - 9- 2016 (1395)- comparison of the 3DCRT, FIF, IMRT techniques in Left breast cancer. Lida Rahmati Msc, Medical Physics"- Tarbiat Modares University.
 - 10- 2016 (1395)- Prospective evaluation of acute radiation – induced skin reactions in patients after head and neck radiotherapy. "Shahla Naeemi, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
 - 11- 2016 (1395). Early effect of radiation on the liver functional tests of patients with thoracic and abdominal tumors during radiotherapy. " Rozhin zahedi, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
 - 12- 2016 (1395). Comparison of Treatment Response and Rectum Complication in Conventional and Hypofractionation Radiotherapy in Patients With Prostate Cancer. " Elham Razavi, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
 - 13- 2015 (1394) - the role of curcumin as radioprotector in peripheral lymphocyte in patients with differential thyroid carcinoma by micro nuclei

- assay. "Maryam Farhadi, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 14- 2015 (1394) – combination of celecoxib with radiotherapy in prostate cancer patients with control groups. "Saeideh Mir Mohammadi Rad, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 15- 2015 (1394) – Comparison of the Protection Performance in a Composite Shield and a lead Standard Shield in terms of Biological Effects in Nuclear Medicine."Masoumeh Aminian, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 16- 2015 (1394) – Protection Performance Comparison of Lead-Free Shields and Lead Shields, In Terms Of Biological Effects in Nuclear Medicine by the Comet Method. "Masoumeh Barzegar, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 17- 2015 (1394) – Evaluation of Cardiac Complications in Hypofractionated and Conventional Radiation Therapy Schedule in Patients with Left-Sided Breast Cancer. "Asgari, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 18- 2015 (1394) – A prospective study on hypopituitarism after radiotherapy in non pituitary brain tumors. "Jalal Ordoni, Msc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 19- 2014 (1393)- tumor control in patients with GBM after radiotherapy using MRS, DWI techniques- " Moslemi, MSc, MRI"- Shahid Beheshti University of Medical Sciences.
- 20- 2014 (1393)- Evaluation of the radioprotective effect of famotidine on crypts cells of mouse rectum using in vivo microcolony assay. " Mahdiyeh Keshtpoor, MSc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 21- 2014 (1393)- Evaluation the effect of TMZ Radiosensitivity on GBM cell line using gamma-ray of Co⁶⁰ by MTT Assay. " Samira Borhani, MSc,

- Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 22- 2014 (1393)- Development of new 3D Dosimetry system in CT Scan. " Ebrahim Jafari, MSc, Radiobiology"- Shahid Beheshti University of Medical Sciences.
- 23- 2014 (1393)- NTCP Modelling of Kidney injury after radiotherapy in patients with stomach cancer- " Zohreh Azma , PhD, Radiation Medicine" - Shahid Beheshti University.
- 24- 2014 (1393)- Determination of Hearing System Dose-Response in Teletherapy of Head and Neck by Functional Assay Based on Normal Tissue Complication Probability Models-" Sousan Cheraghi , PhD, Medical Physics" - Tehran University of Medical Sciences.
- 25- 2014 (1393)- Evaluation of sterility after radiotherapy in patients with ovary cancer- " Fatemeh Dehghan , MSc, Radiobiology" - Shahid Beheshti University of Medical Sciences.
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