

## Curriculum Vitae



**Alireza Farajollahi (PhD)**  
**Professor of Medical Physics**

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### Address

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### Personal

Born in 1959, Iran; Male; Married; Two children.

### Languages Skills

Fluent in: Turkish, Farsi and good in English.

### Education

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| <b>1999</b> | <b>Ph.D.,</b><br>Division of Medical Physics, Faculty of Medicine,<br>Leicester University, Leicester Royal Infirmary,<br>Leicester LE1 5WW, UK       |
| <b>1994</b> | <b>M.Sc.,</b><br>Division of Medical Physics, Faculty of Medicine,<br>Dundee University, Ninewells Hospital and Medical School,<br>Dundee DD1 9SY, UK |
| <b>1988</b> | <b>B.Sc.,</b><br>School of Radiography, Faculty of Medicine,<br>Shiraz University of Medical Sciences, Shiraz, Iran.                                  |

## Faculty Appointments

- Nov. 2014–Present** **Professor**, Medical physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
- Feb. 2006– Nov. 2014** **Associate professor**, Medical physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
- Jun. 1999– Feb. 2006** **Assistant Professor**, Medical physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.

## Work experience

- 1997-1999** *Research Assistant*  
*(Radiotherapy Physicist)*  
*Department of Medical Physics,*  
*Leicester Royal Infirmary*  
*Leicester LE1 5WW, UK*
- 1989-1993** *Radiation Physics Demonstrator*  
*Tabriz University of Medical Sciences, Iran*
- 1985-1989** *Superintendent Radiographer*  
*Shohada Hospital*  
*Tabriz, Iran*

## Administrative Appointments

- Apr.2015– Present** Part-time Academic Staff Researcher, Medical Education Research Center, Tabriz University of Medical Sciences, Tabriz, Iran
- May2015– 2017** Advisory Editor and Reviewer, Journal of Analytical Research in Clinical Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
- May 2015** Executive Secretary of the East Azerbaijan Provincial Students' Sport Festival, Tabriz University of Medical Sciences, Tabriz, Iran
- Nov.2015– Present** Chancellor Adviser for Sport and Physical education, Tabriz University of Medical Sciences, Tabriz, Iran
- May2015– March 2016** Secretary of the northwest Medical science Universities' Advisory Council for sport and physical education.

<b>Sept 2014</b>	Secretary of 11 <sup>th</sup> Sport Olympiad of Iranian Medical Science Universities.
<b>May2014–March 2016</b>	Director of sport and Physical Education, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Mar. 2014– Aug. 2015</b>	Deputy Dean, Research and Technology, International Branch of Tabriz University of Medical Sciences (Aras), Jolfa, Iran
<b>May2010– May 2011</b>	Director of International Relations, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Feb.2010–2018</b>	Scientific Director of Reference Manager Workshop, (RDCC), Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
<b>Jan.2009–Aug.2020</b>	Head, Virtual English Department, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Dec.2008–Present</b>	Deputy Head, Post Graduate Education, Department of Medical Physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
<b>Nov. 2007–May 2008</b>	Deputy Dean, International Branch of Tabriz University of Medical Sciences (Aras), Jolfa, Iran
<b>Jan. 2006– May2008</b>	Executive Director, Research Development & Coordination Center (RDCC), Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Oct. 2001–Aug. 2007</b>	Deputy Dean of Research, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
<b>May 2001– Apr. 2006</b>	Head, Department of Medical Physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Mar. 2000– Present</b>	Health Physicist of Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Jul. 2000–Present</b>	Radiotherapy Physicist, Department of Radiotherapy, Imam Khomeini University Hospital, Tabriz University of Medical Sciences, Tabriz, Iran.
<b>Jul. 1989–Nov.1993</b>	Director of Radiation Technology Education office, Faculty of Paramedical Sciences, Tabriz University of Medical Sciences, Tabriz, Iran
<b>Mar. 1985– Jul. 1989</b>	Superintendent Radiographer, Shohada Hospital, Tabriz University of Medical Sciences, Tabriz, Iran

## Memberships

### Academic and Institutional Committees and Activities

- May 2017—Present** Member of Research Council, Medical Radiation Sciences Research Team, Tabriz University of Medical Sciences, Tabriz, Iran
- Apr. 2014—Sep. 2015** Member of Research Council, International Branch of Tabriz University of Medical Sciences (Aras), Tabriz, Iran
- Apr. 2014—Sep. 2015** Member of Research Council, Tabriz University of Medical Sciences, Tabriz, Iran
- Jul. 2012— Jan. 2015** Member of Medical Physics National Board's Radiotherapy committee for Ph.D Curriculum Review.
- Feb. 2012— Jan. 2015** Member of National Board of Medical Physics, Radiation Protection and Radiology, Ministry of Health and Medical Education, Tehran, Iran
- Jul. 2012— Jan. 2015** Member of Planning and evaluation of Radiobiology and Radiation protection Committee, Ministry of Health and Medical Education, Tehran, Iran.
- Aug. 2010—Present** Member of Research Council for Post Graduate of Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran
- Jun. 2008— Present** Member of Research Council, Medical Education Research Center, Tabriz University of Medical Sciences, Tabriz, Iran
- Dec. 2008— Dec. 2010** Member of Policy and programming Council, National Research Institute Rab'-e Rashidi, Tabriz University of Medical Sciences, Tabriz, Iran
- Oct. 2001—Aug. 2007** Member of Research Council, Tabriz University of Medical Sciences, Tabriz, Iran

## PATENTS

### Us patent

Application No.: 15592183  
Patent No.: US 10199131b2  
Date of Patent: Feb. 5. 2019

**Title: Automatized Portable Irradiation System**  
Azim Khajeali , **AliReza Farajollahi**

## PUBLICATIONS

### Published Books

1. An Introduction to Radiographic Technique, translated by **Ali Reza Farajollahi**, **1990**.

### Published papers

1. **Alireza Farajollahi**, Narjes Mohammadzadeh, Mahdi Momennezhad, Shahrokh Naseri, Shokoufeh Mohebbi, Fateme Shahedi, Shadi Mohebbi. Evaluation of Patient Set Up Errors in Head and Neck ThreeDimensional (3D) Conformal and Intensity-Modulated Radiotherapy Using Electronic Portal Imaging Device. **Iranian Journal of Medical Physics. (in press)**
2. Behnaz Babaye Abdollahi, Marjan Ghorbani, Hamed Hamishehkar, Reza Malekzadeh, **Ali Reza Farajollahi**. Synthesis and characterization of actively HER-2 Targeted Fe<sub>3</sub> O<sub>4</sub> @Au nanoparticles for molecular radiosensitization of breast cancer. **BioImpacts**, 12. (2022).
3. Behnaz Babaye Abdollahi, Reza Malekzadeh, Fatemeh Pournaghi Azar, Fatemeh Salehnia, Ali Reza Naseri, Marjan Ghorbani, Hamed Hamishehkar, **Ali Reza Farajollahi**. Main Approaches to Enhance Radiosensitization in Cancer Cells by Nanoparticles: A Systematic Review. **Advanced Pharmaceutical Bulletin**. 11(2). (2021).
4. Abhari F. Charmi J., Rezaeejam H., (...), Dnifar H., **Farajollahi A**. Folic Acid modified bismuth sulfide and gold heterodimers for enhancing radiosensitization of mice tumors to x-ray radiation. **ACS Sustainable chemistry and engineering**. 8(13), pp 5260-5269. (2020).
5. A. Tarighatnia· **A. R. Farajollahi** · A. H. Mohammadalian · M. Ghojazadeh · M. Azadeh · E. Koleini · N. D. Nader. Radiation exposure levels according to vascular access sites during PCI A prospective controlled study. **Herz** 4 · (2019).

6. Khaleghi Fard A, Alian AHM, Pourafkari L, Ghojazadeh M, Tarighatnia A, **Farajollahi A**. IMPACT OF PELVIC AND RAD-BOARD LEAD SHIELDS ON OPERATOR AND PATIENT RADIATION DOSE IN TRANS-RADIAL CORONARY PROCEDURES. **Radiation Protection Dosimetry**. 187(1), pp 108–114. (2019).
7. A. Tarighatnia, **A. R. Farajollahi**, A. H. Mohammadalian, M. Ghojazadeh, M. Azadeh, E. Koleini, N. D. Nader. Radiation exposure levels according to vascular access sites during PCI. **Herz**. 44(4), pp 330–335. (2019).
8. A. Shafaei, J. Pirayesh Islamian, D. Zarei, M. Mohammadi, K. Nejati-Koshki, **Alireza Farajollahi**, Seyed M. R. Aghamiri, M. Rahmati Yamchi, B. Baradaran, M. Asghari Jafarabadi. Induction of apoptosis by a combination of 2-deoxyglucose and metformin in esophageal squamous cell carcinoma by targeting cancer cell metabolism. **Iranian Journal of Medical Sciences**, 44(2), pp. 99-107. (2019).
9. Pour, N.H., **Farajollahi, A.R**, Jamali, M., Zeinali, A., Jangjou, A. Comparison of three and four-field radiotherapy technique and the effect of laryngeal shield on vocal and spinal cord radiation dose in radiotherapy of non-laryngeal head and neck tumors. **Polish Journal of Medical Physics and Engineering**, 24(1), pp. 25-31. (2018).
10. Borran, A.A., Aghanejad, A., **Farajollahi, A.R**, Barar, J., Omid, Y. Gold nanoparticles for radiosensitizing and imaging of cancer cells. **Radiation Physics and Chemistry**, 152, pp. 137-144. (2018).
11. Darfarin, G., Salehi, R., Alizadeh, E., Akbarzadeh, A., **Farajollahi, AR**. The effect of SiO<sub>2</sub>/Au core-shell nanoparticles on breast cancer cell's radiotherapy. **Artificial Cells, Nanomedicine and Biotechnology**, 46(sup2), pp. 836-846. (2018).
12. Zahra sattarpour, Baradaran B, **Farajollahi AR**, Asghari Jafar Abadi M, Khazeh V, Pirayesh Islamian J. Evaluation of an Immunodulator Drug as a radioprotectant on human peripheral blood lymphocytes in vitro. **Middle East Journal of Cancer**. 9(1): 35-4 (2018).
13. Tarighatnia, A., Pourafkari, L., **Farajollahi, AR**, Mohammadalian, A.H., Ghojazadeh, M., Nader, N.D. Operator radiation exposure during transradial coronary angiography: Effect of single vs. double catheters | [Strahlenexposition des Untersuchers bei transradialer Koronarangiographie: Einfluss von Einzel- vs. Doppelkatheter]. **Herz** 43(6), pp. 535-542. (2018).
14. Mohsen Mohammadi, Jalil Pirayesh Islamian, Hadi Karami, Maryam Oladghaffari, **Alireza Farajollahi**, Kazem Nejati-Koshki. Role of HDM2 Gene in Radio-Sensitivity of Esophageal Cancer Cell Lines to Irradiation. **International Journal of Cancer Management**, 10(6), e8950. (2017).
15. Ali Tarighatnia, Amirhossien Mohammadalian, Morteza Ghojazade, Leili Pourafkari, **Alireza Farajollahi**. Beam projections and radiation exposure in transradial and transfemoral approaches during coronary angiography. **Anatol J Cardiol**. 18(4), pp. 298-303. (2017).
16. ShahinGhaseminejad, AsgharMesbahi, AzimKhajeali, **AliReza Farajollahi**. Dosimetric evaluation of small IMRT beamlets in the presence of bone inhomogeneity using NIPAM polymer gel and Monte Carlo simulation. **Radiation Measurements**. 105, pp. es 62-69. (2017). (Corresponding author).

17. Azim Khajeali, Roghayeh Khodadadi, Yaser Kasesaz, Mark Horsfield, **AliReza Farajollahi**, Measurement of Dose Distribution from Treatment of Shallow Brain Tumors in BNCT by NIPAM Polymer Gel. **Progress in Nuclear Energy** 100. pp. 292-296. (2017). (Corresponding author).
18. Oladghaffari M, Shabestani Monfared A, **Farajollahi AR**, Baradaran B, Mohammadi M, Shanehbandi D, Asghari Jafar Abadi M, Pirayesh Islamian J. MLN4924 and 2DG combined treatment enhances the efficiency of radiotherapy in breast cancer cells. **International Journal of Radiation Biology** 93(6). (2017).
19. Ali Tarighatnia, Amir Hossein Mohammad Alian, Morteza Ghojzadeh, **Ali Reza Farajollahi**. Comparison of the patient radiation exposure during coronary angiography and angioplasty procedures using trans-radial and trans-femoral access. **J Cardiovasc Thorac Res.** 8(2), 77-82. (2016). (Corresponding author).
20. Jalil Pirayesh-Islamian, Mohsen Mohammadi, Behzad Baradaran, **Alireza Farajollahi**, Mahmoudreza Agamiri, Mohammad Asghari Jafarabadi, Haadi Karami, Amir Monfaredan, Dariush Shanehbandi. Enhancing radiosensitivity of TE1, TE8, and TE 11 esophageal squamous carcinoma cell lines by Hdm2-siRNA targeted gene therapy in vitro. **BioImpacts**, 6(2), 93-98. (2016).
21. Pirayesh Islamian, J., **Farajollahi, AR.**, Mehrali, H., Hatamian, M. Radioprotective Effects of Amifostine and Lycopene on Human Peripheral Blood Lymphocytes In Vitro. **Journal of Medical Imaging and Radiation Sciences**, 47 (1), pp. 49–54. (2016).
22. Oladghaffari M, Islamian JP, Baradaran B, Monfared AS, **Farajollahi AR**, Shanehbandi D, Mohammadi M. High Efficiency Apoptosis Induction in Breast Cancer Cell Lines by MLN4924/2DG Co-Treatment. **Asian Pac J Cancer Prev.** 16(13):5471-6. (2015).
23. Jalil Pirayesh Islamian, Fahimeh Aghaei, **Alireza Farajollahi**, Behzad Baradaran, Mona Fazel. Combined Treatment with 2-Deoxy-D-Glucose and Doxorubicin Enhances the in Vitro Efficiency of Breast Cancer Radiotherapy. **Asian Pacific Journal of Cancer Prevention**, Vol 16. (2015).
24. Roghayeh Khodadadi, Azim Khajeali, **Ali Reza Farajollahi**, Parisa Hajalioghli, Noorallah Raeisi. Comparison of non-electrophoresis grade with electrophoresis grade BIS in NIPAM polymer gel preparation. **BioImpacts**, 5(3), 129-133. (2015). (Corresponding author).
25. Roghayeh Khodadadi, Azim Khajeali, **Ali Reza Farajollahi**, Jamal Eivazi Ziaei, Parisa Hajalioghli. Dosimetric properties of N-isopropylacrylamide polymer gel using nonelectrophoresis grade BIS in preparation. **Journal of Cancer Research and Therapeutics** - 11 ( 3).592-596. (2015). (Corresponding author).
26. Azim Khajeali, **AliReza Farajollahi**, Yaser Kasesaz, Roghayeh Khodadadi, Assef Khalili, Alireza Naseri. Capability of NIPAM polymer gel in recording dose from the interaction of 10B and thermal neutron in BNCT. **Applied Radiation and Isotopes** 105,257–263. (2015) (Corresponding author).
27. Khajeali A, **Farajollahi AR**, Khodadadi R, Kasesaz Y, Khalili A. Role of gel dosimeters in boron neutron captures therapy. **Appl Radiat Isot.** 103:72-81. (2015). (Corresponding author).

28. F. Bouzarjomehri, M. Kiani , **A.R. Farajollahi**. The comparison of standard lead with individual mold shielding on patient dose. **IJRR (International Journal of Radiation Research)**, 13(2): 197-200. (2015). (Corresponding author).
29. **Farajollahi AR**, Bouzarjomehri F, Kiani M. Comparison between Clinically Used Irregular Fields Shielded by Cerrobend and Standard Lead Blocks. **J Biomed Phys Eng.** 5(2):77-82. (2015).
30. **Alireza Farajollahi**, Morteza Ghojzadeh, Ali Movaffagi, Hossein Alikhah, Mohammad Naghavi-Behzad. Association of academic education and practical capabilities of radiology technologists. **Journal of Analytical Research in Clinical Medicine (JARCM)**; 3(1):23-29. (2015).
31. **Farajollahi AR**, Rahimi A, Khayati Shal E, Ghaffari S, Ghojzadeh M, Tajlil A, Aslanabadi N. Patient's Radiation Exposure in Coronary Angiography and Angioplasty: The Impact of Different Projections. **J Cardiovasc Thorac Res**; 6(4):247-52. (2014).
32. **Farajollahi A.R**, Amini A, Rashidi MR, Shahbazi A, Daemi A. The Analysis of Situation within International -Relations Management in Terms of using Foreign Scholars and Experts and Holding Training Courses for Foreign Students at Tabriz University of Medical. **Quarterly Journal of Educational Development of Jundishapur.** .5, ( 2). (2014). (in Farsi)
33. **A.R. Farajollahi**, Dr. F. Pak, M. Horsfield , Z. Myabi. The basic radiation properties of the N-isopropylacrylamide based polymer gel dosimeter. **International Journal of Radiation Research**, 12(4): 347-354. (2014).
34. **Farajollahi AR**, Fouladi DF, Ghojzadeh M, Movafaghi A. Radiographers' professional knowledge regarding parameters and safety issues in plain radiography: a questionnaire survey. **Br J Radiol.** 87(1040): 20140090. (2014).
35. **Alireza Farajollahi**, AminiA, Rashidi MR, Shahbazi A, Azimi S. Situational Analysis of the conference and congresses held in Tabriz University of Medical Sciences: 2005-2010. **Res Dev Med Educ.**3 (1), 53-60. (2014).
36. **Alireza Farajollahi**, Kamran Sedagat, Mahasti Alizadeh, Masoumah Imanzad, Asghar Ashrafi Hafez. Effect of intra-organizational factors on research. **Journal of Paramedical Sciences.** 5, (2). (2014).
37. Alireza Farajollahi, Samad SHAMS VAHDATI, Arezou TAJLIL. The Effectiveness of Calcium Scoring Alongside Coronary Com-puted Tomography Angiography in Patients with Low-Likeli-hood of Chest Pain. **Iranian J Publ Health**, 42( 11), pp. 1329-1330. (2013).
38. Farideh Pak, **Alireza Farajollahi**, Ali Movafaghi, Alireza Naseri. Influencing Factors on Reproducibility and Stability of MRI NIPAM Polymer Gel Dosimeter. **BioImpacts**, 3(4), 163-168. (2013) (Corresponding author).
39. Marziyeh Fathi, **Alireza Farajollahi** and Ali Akbar Entezamia. Synthesis of fast response crosslinked PVA-g-NIPAAm nanohydrogels by very low radiation dose in dilute aqueous solution. **Radiation Physics and Chemistry.**86, 145-154. (2013).
40. **Alireza Farajollahi**, Abolghasem Amini, Mohammad Reza Rashidi, Abbas Shahbazi, Saber Azami-Aghdash. The Situation Analysis of the International Relations



Management and Inter- University Collaboration in Tabriz University of Medical Sciences during the Years 2005. **Journal of Analytical Research in Clinical Medicine (JARCM)**; 1(1): 25-31. (2013)

41. **Farajollahi A.R**, Sedagat K, Alizadeh M, Ashrafi Hafez, Boostani H. Evaluation of Research Limiting and Potentiating Factors Among The Scientific Board Members of Tabriz University of Medical Sciences. **Quarterly Journal of Ilam University of Medical Science**, 21. (2013).(in Farsi)
42. Farideh Pak, **Alireza Farajollahi**, Zinat Miabi. The Basic Dosimetric Properties of NIPAM Polymer Gel Dosimeter. **Medical Physics**, 39(6), pp. 3737. (2012).
43. N Jabbari, B Hashemi-Malayeri, A R Farajollahi, A Kazemnejad. Monte Carlo calculation of scattered radiation from applicators in low energy clinical electron beams, nukleonika, 52(3):97-103. (2007).
44. N Jabbari, B Hashemi-Malayeri, A R Farajollahi, A Kazemnejad, A Shafaei and S Jabbari. Evaluation of 6 and 8 MeV Clinical Electron Beams from NEPTUN 10PC Linear Accelerator Using Monte Carlo Method, J of Nuclear Sci. and Tech, ( 40), pp. 11-18. (2007). (in Farsi)
45. Mesbahi A, Mehnati P, Keshtkar A, **Farajollahi AR**. Dosimetric properties of a flattening filter-free 6-MV photon beam: a Monte Carlo Study. **Radiat. Med. Journal**. 25:315-324. (2007).
46. N Jabbari, B Hashemi-Malayeri, **A R Farajollahi**, A Kazemnejad, A Shafaei and S Jabbari., Comparison of MCNP4C and EGSnrc Monte Carlo codes in depth-dose calculation of low energy clinical electron beams. **J. Phys. D: Appl. Phys.** 40, 4519-4524. (2007)
47. Mesbahi A, **Farajollahi AR**, Seyed Oskoe G, Naseri AR. Comparison of Prescribed and Delivered Dose to Patients in Radiotherapy Department of Tabriz Imam-Khomeini Hospital Using In Vivo Dosimetry. **Medical Journal of Tabriz University of Medical Sciences**, 28, ( 4), pp. 103-107. (2007). (in Farsi)
48. **Farajollahi AR**, Sedaghat K, Alizadeh M, Ashrafi Hafez A. Description and Pathology of Research Development in Tabriz Medical University. **Journal of Medical Education**, 9, ( 2). Pp. 105-113. (2006).
49. **A.R Farajollahi**, A Mesbahi. Monte Carlo dose calculations for a 6-MV photon beam in a thorax phantom. **Radiat Med.** 24(4): pp 269-76. (2006).
50. Vahideh Zarea, **A.R Farajollahi**. The accuracy of cited internet-based resources in speciality theses of medicine. **Quarterly Book**, 61, PP 9-16. (2005).
51. **A.R Farajollahi**, D E Bonnett, D Tattam, S Green. The potential use of polymer gel dosimetry in boron neutron capture therapy. **Phys. Med. Biol**, 45(1), pp. N9-N14. (2000).
52. **A.R Farajollahi**, D E Bonnett, A J Ratcliffe, R J Aukett, J A Mills. An investigation into the use of polymer gel dosimetry in low dose rate brachytherapy. **BJR**, 72, pp1085-1092. (1999).
53. **A.R Farajollahi**, D Sutton. Evaluation of a new ultraviolet-emitting rate-earth film-screen combination. **BJR**, 70, pp 629-634. (1997).

## **Thesis Abstract:**

52. **A.R Farajollahi.** An investigation into the applications of polymer gel dosimetry in Radiotherapy. **Med. Phys.** 26(3), pp 493. **(1999).**

## Presentations

54. Babay B, Hamishekar H, Ghorbani M, Naseri AR. **Farajollahi AR, (2018)**. Core/Shell structured nanoparticles for imaging and therapy. **11rd Iranian congress of Medical Physics**. Tehran- Iran.
55. Darfarin GH, Salehi R, Alizadeh E, Nasiri B, Akbarzadeh A, **Farajollahi AR, (2018)**. Enhancement of radio sensitization by gold-silica shell-core nanoparticle in MCF7 breast cancer cells. **11rd Iranian congress of Medical Physics**. Tehran- Iran.
56. Hassanzadeh N, **Farajollahi AR**, Zeinali A, Jamali M, Ghasemi Jangjou A. **(2018)**. Comparison of three and four- field radiotherapy technique and the effect of laryngeal shield on vocal and spinal cord radiation dose in radiotherapy of non-laryngeal head and neck tumors. **11rd Iranian congress of Medical Physics**. Tehran- Iran.
57. Tarighatnia A, Khaleghifard A, **Farajollahi AR**, Mohammad Alian AH, Ghojzadeh M . **(2017)**. Operator radiation exposure in transradial from coronary angiography procedures; effect of pelvic and radial lead shields. **33<sup>rd</sup> Iranian congress of radiology**. Tehran- Iran.
58. Khaleghifard A , Tarighatnia A, **Farajollahi AR**, Mohammad Alian AH, Ghojzade M. . **(2016)**. Comparison of Operator Radiation Dose in Radial Approach Using Radboard & Pelvic Lead Shields with Femoral Approach in Coronary Procedures. **(Aim RADIAL) 5th Advanced International Masterclass**. Budapest (Hungary).
59. Khaleghifard A, Tarighatnia A, **Farajollahi AR**, Mohammad Alian AH, Ghojzade M. **(2016)**. Effect of Pelvic and Radial Lead Shields on Operator Radiation Exposure in Trans-Radial Coronary Procedures. **(Aim RADIAL) 5th Advanced International Masterclass**. Budapest (Hungary).
60. Mohammad Alian AH, **Farajollahi AR**, Tarighatnia A, Ghojzadeh M .**(2016)**. Operator and patient radiation dose difference in Coronary angiography and PCI between transradial and transfemoral access. **32<sup>nd</sup> Iranian Congress of Radiology & 14<sup>th</sup> Iranian Congress of Radiographic Science Association**. Tehran. Iran.
61. Mohammad Alian AH, Tarighatnia A, **Farajollahi AR**, Ghojzadeh M. **(2016)**. Efficacy, Clinical Safety and Patient Radiation between Radial and Femoral Access during Coronary Procedures: The Randomized Study. **4<sup>th</sup> Iranian Cardiovascular Joint Congress (ICJC)**. Tehran. Iran.
62. Tarighatnia A, **Farajollahi AR**, Mohammad Alian AH, Ghojzadeh M .**(2016)**. The effect of single catheter on patient and operator radiation dose during transradial coronary angiography. **14<sup>th</sup> Internationa; Congress of the International Radiation Protection Association (IRPA)**. Cape Town International Convention Centre, South Africa.
63. Tarighatnia A, Khaleghi A, **Farajollahi AR**, Mohammad Alian AH, Ghojzadeh M . **(2016)**. The impact of both radial & pelvic lead shields on operator radiation exposure during trans-radial Cononary Procedures. **14<sup>th</sup> INTERNAYIONAL Congress of the International Radiation Protection Association (IRPA)**. Cape Town International Convention Centre, South Africa.

64. Tarighatnia A, Khaleghi A, **Farajollahi AR**, Ghojzadeh M. (2015). Operator and patient radiation dose difference in coronary angiography and PCI between transradial and transfemoral access. **The Second Annual Iranian Conference on Transradial Angiography and Intervention**. Isfahan-Iran.
65. Tarighatnia A, Khaleghi A, **Farajollahi AR**, Mohammad Alian AH. (2015). Radiation dose of operator and patient by using single catheter and double catheter in Transradial coronary angiography. **The Second Annual Iranian Conference on Transradial Angiography and Intervention**. Isfahan-Iran.
66. Mohammad Alian AH, **Farajollahi AR**, Tarighatnia A, Ghojzadeh M. (2015). Patient Radiation Exposure in Transradial and Transfemoral Coronary Angiography and Angioplasty. **17<sup>th</sup> National Congress of Cardiovascular Update**. Tehran-Iran.
67. Mohammad Alian AH, **Farajollahi AR**, Tarighatnia A, Ghojzadeh M. (2015). Our Experience in PCI through Transradial Vascular Access Site. **17<sup>th</sup> National Congress of Cardiovascular Update**. Tehran-Iran.
68. Mohammad Alian AH, **Farajollahi AR**, Tarighatnia A, Ghojzadeh M. (2015). Patient Radiation Exposure in Transradial and Transfemoral Coronary Angiography and Angioplasty. **4<sup>th</sup> Advanced International Master class (AIM-RADIAL 2015)**. Liverpool, UK.
69. Mohammad Alian AH, **Farajollahi AR**, Tarighatnia A, Ghojzadeh M. (2015). Our Experience in PCI through Transradial Vascular Access Site. **4<sup>th</sup> Advanced International Master class (AIM-RADIAL 2015)**. Liverpool, UK.
70. Mohammadi M, Pirayesh Islamian J, Ghamiri MR, **Farajollahi AR**, Baradaran B. (2014). Studing of the effect of combine radiotherapy and gene therapy by siRNA technology on the frequency of apoptosis induction in SCC of esophagus. **The 12<sup>th</sup> scientific Congress of radiographic sciences of Iran**. Tehran-Iran.
71. Pirayesh J, Mohammadi M, Aghamiri MR, Baradaran B, **Farajollahi AR**, Asghari M. (2014). Enhancing the radiosensitivity of Esophagus Squamos Cell Carcinoma by Hdm2 suppression with siRNA. **11<sup>th</sup> Iranian Conference in Medical Physics**. Tehran. Iran.
72. A. Khajeali, **A.R Farajollahi**, Y. Kasesaz, R. Khodadadi, Raisi N. (2014). **11<sup>th</sup> Iranian Conference in Medical Physics**. Tehran. Iran.  
بررسی پاسخ پلیمر ژل NIPAM به نوترون و مقایسه آن با پاسخ به گاما
73. A. Khajeali, **A.R Farajollahi**, Y. Kasesaz, R. Khodadadi, Raisi N. (2014). Potential application of NIPAM polymer gel for dosimetric purposes in BNCT. **11<sup>th</sup> Iranian Conference in Medical Physics**. Tehran. Iran.
74. A. Khajeali, **A.R Farajollahi**, Y. Kasesaz, R. Khodadadi, Raisi N. (2014). **11<sup>th</sup> Iranian Conference in Medical Physics**. Tehran. Iran.  
بررسی توزیع دز حاصل از ستون حرارتی راکتور تحقیقاتی تهران با استفاده از فانتوم معادل بافت
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