

Curriculum Vitae

Elham Raeisi

1 Personal

Born at Shahrekoord, Iran.

Iranian.

Medical Physics and Radiology Technology Department, Faculty of Paramedical Sciences, Shahrekord University of Medical Sciences, Rahmatiye, Shahrekord, Iran.

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2 Education

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| 2010-2012 | Ph. D, Interdisciplinary, Radio-Oncology department, Medicine Faculty, and Biochemistry department, Science Faculty, University of Geneva, Geneva, Switzerland. |
| 2005-2010 | Ph. D in Medical physics, Tarbiat Modares University (TMU), Tehran, Iran, obtained in June 2013. |
| 2002-2005 | M.Sc. in Medical Physics, Tarbiat Modares University (TMU), Tehran, Iran. |
| 2000-2002 | B.S. Technology of Radiology, Shahid Beheshti University, Tehran, Iran. |
| 1997-1999 | Degree of Technology of Radiology in Medicine Faculty, Isfahan University, Isfahan, Iran. |

3 Research and Work Experience

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| 29 April 2014-Present | Associated Professor at Medical Physics and Radiology Technology Department, Faculty of Paramedical Sciences, Shahrekord University of Medical Sciences, Shahrekord, Iran |
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- 21 October-30 November **Assistance of Director**, responsible for supervising practical work of the European School of Medical Physics (ESMP), France
- 17 July 2012
-17 January 2013 **Project Manager** at the Biopark Laboratory, France, supervised by Philippe Bulet (AGIM, Grenoble and Archamps) with collaboration with Hospital University in Geneva (Philippe Millet&Y.Charnay): “Role of Clusterin in Oncology by Imaging”
- 2010- 29th May 2012 continuing thesis at Geneva University, Institute Gustave Roussy, European Scientific Institute and Biopark laboratory supervised by Aurelien Roux and Raymond Miralbell (officially) and Lluís M Mir (mainly):

“Analysis of New Potential Markers for the Immediate Evaluation of Electrochemotherapy Using Small Animal Imaging”
- 2005-2010 **Ph. D** at Medical Physics Department supervised by Mohammad Firoozabadi:
“Investigation of `Electroporation using 1 Hz and 5 KHz on blood perfusion of IDC and LPB in vivo by Laser Doppler and * Autoradiography”
- 2002-2005 **Master** at Medical Physics Department and Shahid Rajei Hospital supervised by Hossein Rajabi:
“Quantification in brain SPECT Imaging, using FBP and OSEM reconstruction methods”
- 2002-2000 B. Sc in Technology Radiology, at Shahid Beheshti University
- 1999-2000 Radiology Service, Kashani Hospital, Shahrekoord, Iran
- 1997-1999 Degree of Technology Radiology in Medicine faculty, Isfahan University

During this period I learned:

- ✓ Working with MATLAB image processing toolbox
- ✓ Methods for clinical SPECT imaging and image processing on their workstations.
- ✓ Designing phantom for software evaluation in SPECT
- ✓ Cell culture
- ✓ Tumor inoculation, cells injection and transplantation

- ✓ Treatment of mice by electrochemotherapy
- ✓ Treatment of mice with radiotherapy
- ✓ Measurement of fluorescence by flow cytometry
- ✓ Quantification by Laser Doppler flowmetry
- ✓ Using small animal PET imaging
- ✓ Autoradiography technique
- ✓ Optical imaging
- ✓ Working with Pmod software for quantification of PET images
- ✓ Working with AIDA software for analyzing the digital autoradiograms

4 Teaching Activities, Formation and Scientific Activities

4.1 Teaching Experience

- 2014-Present: Shahrekord University of Medical Sciences, Shahrekord, Iran
 - Health Medicine and Protection, B.S.,
 - Biophysics, B. S.,
 - Medical Physics, B. S. and MD., and Dentistry
 - Radiology and Ultrasound at Obstetrics, B. S.,
 - Radiobiology, B. S.,
 - Physical Principle of Magnetic Resonance Imaging (MRI), B. S.,
 - Physical Principle of Computed Tomography (CT), B. S.,
 - Seminar 1 and 2, B. S.,
 - Technical Language, B. S.,
 - Radiographic Positioning and Procedures 2, B. S.,
 - Radiographic Positioning and Procedures 3, B. S.,
 - 4th Clinical Internship, B. S.,
 - Radiation Dosimetry, B. S.,
 - Ultrasound Imaging, B. S.,
- 2004-2005: Payame-Nour University, Shahrekord, Iran
 - Radiation Physics, B.S., 96 hours
 - Radiobiology, B.S., 96 hours

4.2 Management of student projects

- One MD project (one year, July 2020-June 2021), supervised “Study of demographic and CT angiographic findings in patients suffering acute pulmonary embolism during March 2016 to March 2017 at Hajar and Ayatollah Kashani university hospitals”
- One MD project (one year, July 2020-June 2021), supervised “Prevalence, anatomical and clinical features of carotid arteries diseases by color duplex sonography interrogation in patients undergoing coronary artery bypass grafting surgery during 2016 to 2019 at Ayatollah Kashani University Hospital”
- One MD project (one year, May 2020-June 2021), supervised “Study of Coronary angiography results in the patients with Non ST Elevation myocardial infarction in Hajar Hospital between August 2015 to August 2018”
- One Master project (one year, July 2019-August 2020), Co-supervised with Prof. E Heidarian (Clinical Biochemistry Research Center, Shahrehord University of Medical Sciences) supervised “Investigation on the combined effect of docetaxel and gallic acid on p53 Gene expression, apoptosis and Signaling Proteins pStat3, pAkt and pErk1/2 in MCF7 Cell Line”
- One MD project (one year, July 2018-August 2019), supervised “Investigating the results of MRIs presented in Hajar Hospital in Shahrekord 2017-2018”
- One Master project (one year, July 2018-August 2019), supervised “Evaluation of a combination of bromelain and cisplatin on induction of apoptosis and gene expression of p53 in human cancer cell PC3 under in vitro condition”
- One Master project (one year, July 2018-August 2019), Co-supervised with Prof. E Heidarian (Clinical Biochemistry Research Center, Shahrehord University of Medical Sciences) supervised “Activation of p53 gene expression and synergistic antiproliferative effects of 5-fluorouracil and β -escin on MCF7 cells”
- One Master project (one year, July 2018-August 2019), Co-supervised with Prof. E Heidarian (Clinical Biochemistry Research Center, Shahrehord University of Medical Sciences) supervised “Effects of combined 5-Fluorouracil and ZnO NPs on human breast cancer MCF-7 Cells: P53 gene expression, Bcl-2 signaling pathway, and invasion activity”
- One Master project (one year, July 2015-September 2016), Co-supervised with Prof. D Shahbazi-Gahrouei (Department of Medical Physics, Isfahan University of Medical Sciences) “In vitro study of combined bromelain and radiation therapy in breast cancer cell line (4T1)”
- Two Master projects (2 years, January 2008-December 2009), Co-supervised with Prof. SMR Aghamiri (Department of Radiation Medicine, Shahid Beheshti

University), “The evaluation of Radiotherapy and Electrochemotherapy on breast cancer”

4.3 Training

- Training for Basic course in radiation protection for medical center, National Radiation Protection Department, National Nuclear Safety System Center, Iran, 2024.
- Training for Advanced course in radiation protection for medical center, National Radiation Protection Department, National Nuclear Safety System Center, Iran, 2024.
- Training for Animal Experimentation level 1, Blaise Pascal University, Faculty of Science and Technology, Clermont-Ferrand, France, 2011.
- Trainee grant for 4 days: Third MADEIRA Training Course on IMAGING IN NUCLEAR, Munich, Germany, 2010.
- Trainee grant for 1 week: International Scientific Workshop and Post Graduate Course of EBTT, Ljubljana, Slovenia, 2009.
- Trainee grant for 2 weeks: European School of Medical Physics, Archamps, France, 2008.
- Trainee grant for 2 weeks: European School of Medical Physics, Archamps, France, 2006.
- Trainee Grant for 1 week: Medical Imaging and Therapy Systems workshop, GE Company, Tehran, Iran, 2004.

4.3 Workshop Attendance

- International Medical Physics Workshop Devoted to “Imaging for Diagnosis & Radiotherapy”, Elbasan, Albania, 4th-8th **July, 2016.**
- Professional Ethics (Level One); the Plan of Teacher Banquet Ideas in 1395, Shahrekord University of Medical Sciences, Shahrekord, Iran, **6 October, 2016.**
- One day Workshop on “Proof of Concept Criteria for their Evaluation by Authorities”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **13 September, 2016.**
- One day Workshop on “New Applications of Web-Based Software, SAMA, for Recording Scores & Consulting Students”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **8 August, 2016.**
- 6th hours Workshop on “Teaching Pathology”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **22 September, 2015.**
- One day Workshop on “Communication Skills with Students & Crisis Interventions”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **15 June, 2015.**

- One day Workshop on “Learning Styles (Visual & Auditory)”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **14 June, 2015.**
- One day Workshop on “Teaching Methods ”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **28th January, 2015.**
- One day Workshop on “Learning & Strategies to Increase Student’s Motivation ”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **31st January, 2015.**
- Group Discussion on “Modifying the Role of Evaluating the Quality of Instruction”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **2nd February, 2015.**
- One day Workshop on “Course Plan & Course Lesson”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **22nd September, 2014.**
- One day Workshop on “Modern Teaching Methods”; EDC, Shahrekord University of Medical Sciences, Shahrekord, Iran, **22nd June, 2014.**
- Third MADERIA Training Course “Imaging in Nuclear Medicine”, Munich, Germany, **5th -8th October, 2010.**
- Taught Course in Medical Physics, “Physics of Modern Radiotherapy” & “Brachytherapy”, European School of Medical Physics, Archamps, France, **14th Octobere-23rd November, 2010.**
- Electroporation based Technologies and Treatments International Scientific Workshop and Postgraduate Course, University of Ljubljana, Ljubljana, Slovenia, **15th-21st November, 2009.**
- Taught Course in Medical Physics, Radiation Protection, European School of Medical Physics, Archamps, France, **23rd Octobere-8th December, 2008.**
- Taught Course in Medical Physics, “Medical Imaging, Ultrasound, Radiology, Medical Imaging PET, SPECT and MRI, Medical Computing”, European School of Medical Physics, Archamps, France, **2nd November-5th December, 2006.**
- Workshop on “Dosimetry”, Karaj Nuclear Center for Medicine and Agriculture, Atomic Energy Association of Iran, Karaj, Iran, **15th-20th January, 2005.**
- 2 Days Workshop on “Medical Imaging & Therapy Systems”, Iranian Association of Medical Physics & Research Center for Science Technology in Medicine, Tehran, Iran, **February, 2004.**

4.3 Conference Attendance

-1st World Congress on “Electroporation and Pulsed Electric Fields in Biology, Medicine, and Food & Environmental Technologies”, Portoroz, Slovenia, **6th – 10th September, 2015**.

-7th International Bioelectric Symposium “Bioelectric 2011”, Institute of Pharmacology and Structural Biology of the CERN, Toulouse, France, **4th -6th May, 2011**.

-8th Iranian congress of Medical Physics, Shahid Beheshti University of Medical Sciences, Tehran, Iran, **28th -29th May, 2008**.

-10th Iranian congress of Nuclear Medicine, Tehran University of Medical Sciences, Tehran, Iran, **6th -7th December, 2006**.

-9th Iranian congress of Nuclear Medicine, Iran University of Medical Sciences, Tehran, Iran, **10th -12th December, 2005**.

-Seminar on PET imaging and its Application in Medicine, Tehran University of Medical Sciences, Tehran, Iran, **5th -6th June, 2004**.

-3rd Iranian congress of Medical Physics, Mashhad University of Medical Sciences, Mashhad, Iran, **11th -13th May, 2004**.

-1st International Conference on Radiation & its Application in Diagnosis and Therapy, Shahid Beheshti University of Medical Sciences, Tehran, Iran, **18th -20th October, 2000**.

4.5 Academic Experiences

-As External Examiner for PhD defense in Medical Physics, at Medical Physics Department, School of Medicine, Isfahan University, **19 September, 2015**.

-As External Examiner for PhD comprehensive examination (written and oral), Medical Physics Department, School of Medicine, Isfahan University, **26 January, 2015**.

-Referee’s book on “Cellular and Molecular Imaging”, Shahrekord University of Medical Sciences, **24 September 2014** and **6 December 2014**.

-Referrer’s peer-reviewed medical journal on:

- NMR in biomedicine, Cancer Research UK
- Journal of Isfahan Medical School
- Journal of Medical Signals & Sensor
- Journal of Shahrekord University of Medical Sciences

-Research in education:

- Process titled by “Assess the prior knowledge of undergraduate students” in collaboration with EDO of Faculty, *1 May 2015-present*.
- Process titled by “The Educational Impact of Student Personalized Learning on Metacognitive Skills and Academic Achievement” in collaboration with EDO of Faculty, *5 February 2016-present*.

-The membrane of Clinical Biochemistry Research Center at Shahrekord University of Medical Sciences, *2015-present*.

-Director of Research at Paramedical Faculty, Shahrekord University of Medical Sciences, *2016-2018*.

-Dean’s Student Research Committee at Shahrekord University of Medical Sciences, *22 August 2016-2018*.

-The responsible of international affairs at Deputy of Education, Shahrekord University of Medical Sciences, *2017-present*.

4.6 Award

1. Named as Top student among Radiologic Technology B. Sc, students Paramedical Faculty, Shahid Beheshti University of Medical Sciences, 2002.
2. Named as top (the 1st rank) by Iranian association of Radiology, Iran, 2002.
3. Credited 5 (five) points of the European Credit Transfer System (ECTS), Ljubljana University within the Doctoral Programme in Biomedicine, Slovenia, 2009.
4. Nominated for the best poster contributions at RAD 2015, Montenegro, 2015.
5. The best poster contribution at the 1st National Health Sciences Student Congress, Mazandaran, 2015.
6. University selected process at 9th Shahid Motahari Educational Festival, Shahrekord University of Medical Sciences, Iran, 2016.
7. Keynote speaker at workshop on Medical Physics & Biomedical Engineering, Albania, 2016.

8. The highest value of educational assessment at medical physics and radiology department by the Deputy of Education, Shahrekord University of Medical Sciences, Iran, 2017.
9. University selected and Nationally Nominated process at 10th Shahid Motahari Festival, Shahrekord University of Medical Sciences, Iran, 2017.
10. The best oral presentation at the 3rd Student Research Congress of the South West Region, Dezfoul University of Medical Sciences, Dezfoul, Iran, 2017.

5 Publications

5.1 Published Papers

1. Radiotherapy Enhancing and Radioprotective Properties of Berberine: A Systematic Review. [Raeisi E](#), Heidari-Soureshjani S, Mt Sherwin C, Bagheri Z. *Recent Pat Anticancer Drug Discov* 2024.
2. The Justifiability of MRI in the Diagnosis of Lumbar Disc Herniation in Patients with Back Pain: A Systematic Review. Khosravi Farsani M, [Raeisi E](#), Hajivalizadeh F, Darman M, Ghajari H. *Paramedical Sciences and Military Health* 2024.
3. Mathematical modeling of interactions between colon cancer and immune system with a deep learning algorithm. [Raeisi E](#), Yavuz M, Khosravifarsani M, Fadaei Y. *Eur Phys J Plus* 2024.
4. The survey of antitumor effects of bromelain on neoplastic breast cells: A systematic review. Khosravi MR, [Raeisi E](#), Heidari-Soureshjani S, Sherwin CMT. *J Herbmed Pharmacol* 2024.
5. Neuroprotective Effects of Bromelain on the Common Neurodegenerative Diseases: A Systematic Review. Rostamian S, Raeisi E, Heidari-Soureshjani S. *Neurochem* 2023.
6. Repeated electroporation enhances the responsiveness to cisplatin-based intratumoral chemotherapy in murine breast cancer: revival of the electro-chemotherapy concept. [Raeisi E](#), Aghamiri SMR, Rahmatpour N, Bandi A, Amini-Kafie S, Mir LM. *Shahrekord Univ Med Sci* 2023.
7. *In silico* design and immunoinformatics analysis of a universal multi-epitope vaccine against monkeypox virus Sanami S, Nazarian S, Ahmad S, [Raeisi E](#), Qamar MT, Tahmasebian S, Pazoki-Toroudi H, Fazeli M, Ghatreh Samani M. *Plos one* 2023.

8. Demographic and clinical features of patients suffering acute intoxication with an emphasis on cardiovascular complications; an observational case series. Ramezannezhad P, [Raeisi E](#), Roostami-far A, Khaledi-far A. *J Nephroarmacol* 2023.
9. Epidemiological Aspects of the Carotid Artery Disease in Patients Undergoing Coronary Artery Bypass Grafting: A Cross-sectional Study. M Dastanpoor, A Khaledifar A, Aazami MH, [Raeisi E](#), Taheri A. *Epidemiol Health System J* 2023.
10. Berberine efficacy against doxorubicin-induced cardiotoxicity: A systematic review. A Khaledifar, MR Khosravi, [Raeisi E](#). *J Herbmed Pharmacol* 2023.
11. Moving toward being internationally scooped. Heidarian E, [Raeisi E](#). *Shahrekord Univ Med Sci* 2023.
12. Investigation of fetal absorbed dose in V/Q scan in three trimesters of pregnancy using Monte Carlo simulation. Vakili S, Shahbazi-Gahrouei D, Poursabaghi P, [Raeisi E](#). *World J Nucl Med* 2021.
13. The Rationality to Requesting inward Magnetic Resonance Imaging Investigation. Kermanian V, Taheri A, [Raeisi E](#), Aazami MH, Dayani MA, Shahbazi D. *J Biomed Phys Eng* 2021.
14. Bromelain-based chemo-herbal combination effect on human cancer cells: in-vitro study on AGS and MCF7 proliferation and apoptosis. Amini F, [Raeisi E](#), Aazami MH, Mirzaei A, Heidarian E, Lemoigne Y. *Curr Issues Pharm Med Sci* 2020; 33(3): 155-61.
15. Does Bromelain-Cisplatin Combination Afford In-Vitro Synergistic Anticancer Effects on Human Prostatic Carcinoma Cell Line, PC3? Amini F, [Raeisi E](#), Aazami MH, Mirzaei A, Heidarian E, Lemoigne Y. *Galen Medical J* 2020; 9: 1749.
16. The impact to demographic and academic factors on metacognition and academic self-efficacy: A study on Iranian students in health sciences. [Raeisi E](#), Solati K, Aazami MH, Shamsipour N, Sadeghian Z, Ahmadi S. *J Educ Health Promot* 2020; 9(1):70.
17. A study on the appropriate use of Magnetic Resonance Imaging (MRI) for outpatients referred to Hajar University Hospital in Shahrekord City, Iran, in Year 2017. Sadeghi N, Aazami MH, [Raeisi E](#), Hosseini K, Dayani MA, Lalegani N. *J Isfahan Med Sch* 2020; 38(265): 107-14.
18. Combined Effects of Protocatechuic Acid and 5-Fluorouracil on p53 Gene Expression and Apoptosis in Gastric Adenocarcinoma Cells. Moatamedi Z, Amini SA, [Raeisi E](#), Lemoigne Y, Heidarian E. *Turk J Pharm Sci* 2019; 17(6): 578-85.
19. A one-year study on the rationality of requested sonography in emergent patients at Ayatollah Kashani University Hospital in Shahrekord City, Iran. Kabiri M, [Raeisi E](#),

Taheri M, Aazami MH, Dayani MA, Aghamiri SMR, Abdavi J. *J Isfahan Med Sch* 2019; 37(527): 438-42.

20. Effects of combined 5-Fluorouracil and ZnO NPs on human breast cancer MCF-7 Cells: P53 gene expression, Bcl-2 signaling pathway, and invasion activity. Hosseinzadeh S, [Raeisi E](#), Lemoigne Y, Heidarian E. *Nanomedicine J* 2019; 6(3): 232-40.
21. Activation of p53 gene expression and synergistic antiproliferative effects of 5-fluorouracil and β -escin on MCF7 cells. Mazrouei F, [Raeisi E](#), Lemoigne Y, Heidarian E. *J Med Signals Sens* 2019; 9(3): 196-203.
22. A modified student personalized learning approach to prompt academic acquisition in health sciences. [Raeisi E](#), Aazami MH, Solati K, Mohamadi O, Ahmadi S. *J Educ Health Promot* 2019; 8:156.
23. Evaluation of the Radiosensitizing Potency of Bromelain for Radiation Therapy of 4T1 Breast Cancer Cells. Raeisi F, [Raeisi E](#), Shahbazi-Gahrouie D, Heidarian E. *J Med Signals Sens* 2019; 9(1): 68-74.
24. Synergetic impact of combined 5-fluorouracil and rutin on apoptosis in PC3 cancer cells through the modulation of P53 gene expression. Satari A, [Raeisi E](#), Amini SA, Lemoigne Y, Heidarian E. *Adv Pharm Bull* 2019; 9(3): 462-69.
25. Comparison of the radiosensitivity of cancer and normal cells to X-ray irradiation using MTT assay: An in-vitro study. Raeisi F, [Raeisi E](#), Shahbazi-Gahrouie D, Heidarian E, Amiri M. *J Isfahan Med Sch* 2018; 36(472): 246-50.
26. A comparison of thiazolyl blue (MTT) versus sulforhodamine B (SRB) assay in assessment of antiproliferative effect of bromelain on 4T1, AGS, and PC3 cancer cell lines. Raeisi F, [Raeisi E](#), Shahbazi-Gahrouie D, Heidarian E, Amini F. *J Isfahan Med Sch* 2017; 35(394): 1056-61.
27. Pineapple extract as an efficient anticancer agent in treating human cancer cells. [Raeisi E](#), Shahbazi-Gahroei D, Heidarian E. *Front Cancer* 2016 Jan; 1(1): e02.
28. Cytotoxic effect of pineapple extract on breast cancer cells (4T1). Raeisi F, [Raeisi E](#), Shahbazi-Gahroei D, Heidarian E, Amiri M, Gholami M. *J Isfahan Med Sch* 2016; 34(394): 946-51.
29. Glucose derivatives as efficient markers of cell reversible electropermeabilization. [Raeisi E](#), Lemoigne Y, Mir LM. *IFMBE Proceeding*. DOI. 10. 1007/978-981-287-817-5, 2015 Aug; 53:187-191.
30. The antitumor efficiency of combined electrochemotherapy and single dose irradiation on a breast cancer tumor model. [Raeisi E](#), Aghamiri SMR, Bandi A, Rahmatpour N, Firoozabadi SMP, Amini Kafi-abad S, Mir LM. *Radiol Oncol*. 2012 Sep; 46 (3):226-32.

31. 2-NBDG, a fluorescent analogue of glucose, as a marker for detecting cell electropermeabilization in vitro. [Raeisi E](#), Mir LM. *J Membr Biol.* 2012 Oct; 245 (10):633-42.
32. The Effect of High Frequency Electric Pulses on Tumor Blood Flow In vivo. [Raeisi E](#), Firoozabadi SMP, Hajizadeh S, Rajabi H, Hassan MZ. *J Membr Biol*, 2010; 236 (1):163–166.
33. Antitumor efficiency of electrochemotherapy by high and low Frequency and repetitive therapy in treatment of Invasive Ductal Carcinoma in Balb/c Mice. Shankayi Z, Firoozabadi SMP, Towhidi L, [Raeisi E](#). *RECENT ADVANCES in CLINICAL MEDICINE*, 2010.
34. Quantitative Evaluation of Filter Function in SPECT Imaging. [Raeisi E](#), Rajabi H, Aghamiri SMR, Hajizadeh E, Seifollahi-Asl S, Yaghobi N, Firozabadi SH, Bitarafan Rajabi A. *Iran J Nucl Med*, 2006; 15 (27): 1-8.
35. Performance Evaluation of FBP Reconstruction in SPECT Imaging. [Raeisi E](#), Rajabi H, Seifollahi-Asl S, Hajizadeh E. *IFMBE Proceeding*. 2007; 14 (3): 1719-21.
36. A new approach for quantitative evaluation of reconstruction algorithms in SPECT. [Raeisi E](#), Rajabi H, Aghamiri SMR. *Iran J Radiat Res*, 2006; 4 (2): 77-80.
37. Performance Evaluation of FBP Reconstruction in SPECT Imaging. [Raeisi E](#), Rajabi H, Seifollahi-Asl S, Hajizadeh E. *Iran Journal of Medical Physics*, 2005; 2 (2): 45-54.

5.2 Conferences Proceedings

1. The Response of Various Cancer Cells to X-Ray Radiation using MTT Assay. Raeisi F, [Raeisi E](#), Heidarian E, Shahbazi D, Amiri M, Amini F, Lemoigne Y, Mir M.L. *Accepted for Presenting in the 5th International Conference on Radiation and Application on Various Field of Research, Budva, Montenegro, 2017.*
2. Anticancer Effect of Pineapple Extract on the Colony Formation of Breast Cancer Cell; 4T1. Raeisi F, [Raeisi E](#), Heidarian E, Shahbazi D, Amiri M, Lemoigne Y, Mir M.L. *Accepted for Presenting in the 5th International Conference on Radiation and Application on Various Field of Research, Budva, Montenegro, 2017.*
3. The effect of X-Ray Radiation on the Growth and Death of Mouse Cancer Cells: An in vitro study. Raeisi F, [Raeisi E](#), Heidarian E, Shahbazi D, Amiri M, Mir M.L.

Presented in the 1st Radiobiology Seminar with Clinical Application, Tehran, Iran, 2016.

4. Pineapple Extract for the Treatment of Human Gastric Cancer, AGS Cells: in vitro. Raeisi F, [Raeisi E](#), Heidarian E, Shahbazi D, Amiri M, Mir M.L. *Presented in the 3rd International Gastrointestinal Cancer Congress, Tehran, Iran, 2016.*
5. The Therapeutic Efficiency of Repeated Electrochemotherapy with Cisplatin on a Breast Cancer Tumor Model in Medicine. [Raeisi E](#), Lemoigne Y, Mir LM. *Presenting in the 4th International Conference on Radiation and Application on Various Field of Research, Nis, Serbia, 2016.*
6. Glucose derivatives as efficient markers of cell reversible electropermeabilization. [Raeisi E](#), Lemoigne Y, Mir LM; *Presented in 1st World Congress of Electroporation in Medicine, Biology, Food and Environment, Portoroz, Slovenia, 2015.*
7. Imaging of permeabilization and modification of tumor blood flow after electric pulses delivery in vivo. [Raeisi E](#), Moulin M, Lemoigne Y, Millet P, Alavi A, Firoozabadi SMP, Rajabi H, Mir LM; *Presented in 1st World Congress of Electroporation in Medicine, Biology, Food and Environment, Portoroz, Slovenia, 2015.*
8. The effect a phosphodiesterase inhibitor on the uptake of the cell electropermeabilization marker 2-NBDG in tumor cells. [Raeisi E](#), Lemoigne Y, Mir LM; *Presented in Third International Conference on Radiation and Applications in Various Fields of Research, Budva, Montenegro, 2015.*
9. 2-NBDG, a fluorescent analogue of FDG PET, as a marker for detecting electropermeabilized cells of electric pulses delivery in vitro. [Raeisi E](#), Mir LM; *Presented in International Bioelectric Symposium, Toulouse, France, 2011.*
10. The Effect of High Frequency Electric Pulses on Tumor Blood Flow In vivo. [Raeisi E](#), Firoozabadi SMP, Hajizadeh S, Rajabi H, Hassan MZ; *Presented in EBTT, Ljubljana, Slovenia, 2009.*
11. The Effect of Electric Pulse Number in Electrochemotherapy by Low Voltage and High Frequency. Shankayi Z, [Raeisi E](#), Towhidi L, Firoozabadi SMP; *Presented in EBTT, Ljubljana, Slovenia, 2009.*
12. Performance Evaluation of FBP Reconstruction in SPECT Imaging. [Raeisi E](#), Rajabi H, Aghamiri MR, Hajizadeh E, Rajabi AB; *Accepted for presentation in World Congress on Medical Physics and Biomedical Engineering, Seoul, Korea, 2006.*
13. A phantom for software evaluation in SPECT imaging. [Raeisi E](#), Rajabi H, Hajizadeh; *Personated in European congress of Nuclear Medicine, Istanbul, Turkey, 2005.*

14. Determination of the Optimum Filter for Brain SPECT Imaging. [Raeisi E](#), Rajabi H, Aghamiri SMR, Hajizadeh , Seifollahi-Asl S; *Presented in 9th Iranian congress of Nuclear Medicine. 2005*
15. Quantification of SPECT Imaging by Brain Phantom. Rajabi H, [Raeisi E](#), Seifollahi-Asl S, Hajizadeh E, Oloomi S; *Presented in 9th Iranian congress of Nuclear Medicine, 2005.*
16. Filtering and Wavelet Transform on Improvement of Nuclear Medicine Image Quality. Oloomi S, Rajabi H, Zakavi R, [Raeisi E](#); *Presented in 9th Iranian congress of Nuclear Medicine. 2005*
17. Evaluation the Effect of Wavelet and different methods of Thresholding to Improve of Nuclear Medicine Image Quality. Oloomi S, Rajabi H, Zakavi R, [Raeisi E](#); *Presented in 9th Iranian congress of Medical Physics, 2005.*

5.3 Student Conferences Proceedings

1. Incubation time of 48 h on cell viability of human gastric cancer and human dermal fibroblast with pineapple extract. Raeisi F, [Raeisi E](#), Heidarian E, Amini F. *Presented in The 3rd Student Research Congress of the South West Region, Dezful, Iran, 2017.*
2. Polyphenols as radiosensitizer in radiotherapy. [Raeisi E](#), Asadi S, Sadeghi N, Amini F, Ahmadi V, Aghajani Z. *Presented in The 3rd Student Research Congress of the South West Region, Dezful, Iran, 2017.*
3. The role of non-invasive molecular imaging in cancer. [Raeisi E](#), Amini F, Sadeghi N, Sadeghi A, Moghadasi J, Shokrani L, Ghasemi A. *Presented in The 3rd Student Research Congress of the South West Region, Dezful, Iran, 2017.*
4. The role of photochemical in cancer diagnosis and treatment. [Raeisi E](#), Aghajani Z, Sadeghi N, Amini F, Ahmadi V, Asadi S. *Presented in The 3rd Student Research Congress of the South West Region, Dezful, Iran, 2017.*
5. The role of Image-guided radiotherapy in efficient cancer treatments. [Raeisi E](#) . *Presented in The 3rd Student Research Congress of the South West Region, Dezful, Iran, 2017.*
6. Cytotoxic effect of pineapple extracts on mouse breast cancer, 4T1 Cells: *in vitro*. Raeisi F, Shahbazi-Gahroei D, [Raeisi E](#), Heidarian E, Amiri M, Gholami M, Mir ML. *Presented in The 17th annual National Research Congress of Iranian Medical Sciences Students, Kashan, Iran, 2016.*

7. The effect of x-ray radiation on the growth and death of human cancer cells: An in vitro study. Raeisi F, Shahbazi-Gahroei D, [Raeisi E](#), Heidarian E, Amiri M, Mir ML. *Presented in The 17th annual National Research Congress of Iranian Medical Sciences Students, Kashan, Iran, 2016.*
8. The Effect of Electric Pulses on Tumor Blood Flow and Treatment Efficiency. [Raeisi E](#), Amini F, Sadeghi F, Mombini Z, Nourian Z, Heidar I, Nematollahi R, Ataei M, Gharaghani V, Fazeli F, Pishgo A, Golchin F, Masoudi M, Mohamadian F, Ghafari R. *Presented in the 1st National Paramedical Student Congress, Mazandaran, Iran, 2016.*
9. Electroporation Technology. [Raeisi E](#), Heidar I, Nourian Z, Sadeghi F, Fazeli F, Gharaghani V, Amini F, Golchin F, Masoudi M. *Presented in the 1st National Paramedical Student Congress, Mazandaran, Iran, 2016.*
10. Optical Imaging for Breast Cancer Prescreening. [Raeisi E](#), Safari M, Amini F, Elyaspour M, Moulaei M. *Presented in the 1st National Paramedical Student Congress, Mazandaran, Iran, 2016.*
11. Natural therapies in cancer: a systematic review. [Raeisi E](#), Doghi S, Amini F, Fatehi M, Sadeghi A. *Presented in The 6th Student Congress of the South Region, Iran, 2015.*
12. The efficacy of Electrochemotherapy in cancer treatments. [Raeisi E](#), Amini F, Sadeghi A M, Masoudi M, Golchin F, Mohamadian F, Nourian Z, Heidari I. *Presented in The 6th Student Congress of the South Region, Iran, 2015.*
13. The Role and Applications of Electroporation in Food Industry. [Raeisi E](#), Nourian Z, Heidar I, Ansari A, Rezaei J, Bagheri M. *Presented in The 1st National Health Sciences Student Congress, Mazandaran, Iran, 2015.*
14. Anti-angiogenic Therapy in Cancer and Malignant: A Systematic review. [Raeisi E](#), Amini F, Sadeghi F, Golchin F, Ghasemi M, Fazeli F, Sobhani M, Afzali F, Mohamadin F, Maghsudi A, Yousefi L, Gharaghani V, Molayi Z, Heydari I, Noriyan Z. *Presented in The 16th annual National & 6th International Research Congress of Iranian Medical Sciences Students, Zanjan, Iran, 2015.*
15. The role of CLU in Carcinogenesis, Cancer Progression and Cancer Treatment. [Raeisi E](#), Safari M, Hatami S, Yousefi L, Ghasemi M, Amini F, Mombini Z, Farokhi S, Masoudi M, Mohamadi S, Khalili M, Jamshidniya MA, Fatahi M, Kiyani S, Maghsoudi A, Mohamadin F, Fatahi Z, Doghi S; *Presented in The 16th annual National & 6th International Research Congress of Iranian Medical Sciences Students, Zanjan, Iran, 2015.*

6 References

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