



RESUME

Mohammad Reza Deevband, PhD
Professor on medical physics
Medical engineering and medical physics department
Shahid Beheshti University of Medical Science

1. PERSONAL INFORMATION

Name:	Mohammad reza
Surname:	Deevband
Date of Birth:	01 March 1970
Place of Birth:	Roudsar, Iran
Marital Status:	Married
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2. ACADEMIC BACKGROUND

Degree	Institution	Field of Study	Dates Attended
Ph.D.	Tarbiat Modarres University (Tehran, Iran)	Medical physics	2006-2010
Postgraduate Diploma	UKM (Kualalampour, Malaysia)	Radiation Protection	2004-2005
M.Sc.	Esfahan University (Esfahan, Iran)	Medical physics	2000 –2003
B.Sc.	Kerman University (Kerman, Iran)	Applied Physics	1987- 1991

3. EMPLOYMENT RECORD

Years of service	Institution	Title of position	Type of work
1994-1997	NRPD	Radiation Protection Inspector	Inspection of radiation working areas and sources

1997-2000	NRPD*	Head of Group	Supervision and Inspection of production and application of radiation sources
2000-2003	NRPD*	Head of Group	Supervision and Inspection of medical radiation centers
2005-2009	NRPD*	Head of Division	Supervision and Inspection section
2009-2016	SBMU**	Assistant professor	Medical physics
2016-2020	SBMU**	Associate professor	Medical physics
2020-2022	SBMU**	Head of department	Head of department Medical physics
2016-2022	SBMU**	Nuclear medicine physicist	Nuclear medicine department, Shohada Tajrish Hospital

*National radiation protection department

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4. ***QUALIFICATIONS/CAPABILITIES***

Simulation	Simulation with Monte Carlo Software package MCNP/MCNPX	Dominance
		Excellent (full)
Image Processing	ImageJ, Amide, MATLAB	good
Medical Imaging Physics *	Mammography, CT, Radiography, PET, SPECT, MRI	Excellent
Radiation Measurement	NaI, CsI, BF3, LiI, Li-glass, NE213, He3, HPGe, Giger Muler	Excellent (full)
Medical physicist	Nuclear medicine and CT	Excellent (full)

5. ***BOOK***

- 1."Lesson learned from Industrial Readiography Accident in IRAN " - Publisher: Dorbid Company, Iran, 2009.
2. IAEA – TECDOC-1728: **Regulatory control for the safe transport of naturally occurring radioactive material (NORM)**-International Atomic Energy Agency -2010
3. "**Introduction to medical imaging- physics, Engineering and clinical application**", Publisher: Shahid Beheshti Medical Science University, Iran, 2015.
4. "**Non- ionizing radiation- physics, Engineering and radiation protection**", Publisher: Shahid Beheshti Medical Science University, Iran, 2017.
5. "**Ultrasound in medicine- physical bases and quality control**", Publisher: Shahid Beheshti Medical Science University, Iran, 2018.
6. "**Medical physics**", Publisher: Honar negare, Iran, 2018.
7. "**Nuclear physics - Study and teaching (exercises, etc.)**", Publisher: Author group Dr. Khalili , Iran, 2019.

8. "Multiple choice questions for Medical Physics Courses", Publisher: Marnian company, Iran, 2020.
9. "Principles of Ophthalmic Optics", Publisher: Shahid Beheshti University Medical Science, Iran, 2022.

6. PEER-REVIEWED JOURNAL PUBLICATIONS

1. M Nabipour, **MR Deevband**, A Asgharzadeh Alvar, N Soleimani. **Optimizing the neural network training algorithm in predicting kerma in mammography**. International Journal of Radiation Research, 2022; Volum 20, No.3. p: 665-670.
2. **Mohammad Reza Deevband**, Seyyed Mohammad Bagher Hosseini Nasab, Habib Mohammadi, Yazdan Salimi, Ahmad Mostaar, Niloofar Deravi, Mobina Fathi, Kimia Vakili, Shirin Yaghoobpoor, Mahdi Ghorbani. **Body-Mass Index-Based Effective Dose Determination in Commonly Performed Computed Tomography Examinations in Adults**. Frontiers in Biomedical Technologies. 2022, Frontiers in Biomedical Technologies. 2022; Vol. 9, No. 4, pp: 316-322.
3. M Tavakoli, H Ghaempanah, M Deevband, A Alvar, M Najafi. A Comparison Study for Electronic Portal Image Enhancement Between Different Image Processing Algorithms. Medical Physics. 2022, Volum 49, Issue: 6, p: 718.
4. Elahe Mahmoudi, Elahe Pirayesh, **Mohammad Reza Deevband**, Mahasti Amoui, Mehrdad Ghorbani Rad , Mahdi Ghorbani. **Comparison of Accuracy in Calculation of Absorbed Dose to the Kidneys Following Radioligand Therapy with ^{177}Lu -DKFZ- PSMA- 617 by Two Different Background Correction Methods**. Indian Journal of Nuclear Medicine. 2022; Volum 37, No.2. p: 121-125.
5. Baharak Behmanesh, Akbar Abdi-Saray, **Mohammad Reza Deevband**, Mahasti Amoui, Hamid Reza Haghightkhah, **Radiomics Analysis for Clinical Decision Support in ^{177}Lu -DOTATATE Therapy of Metastatic Neuroendocrine Tumors using CT Images**. Journal of Biomedical Physics and Engineering. 2022, Volum --, p: --.
6. Hanieh Ghaempanah, Meysam Tavakoli, **Mohammad Reza Deevband**, Amin Asgharzadeh Alvar, Mohsen Najafi, Patrick Kelley. **Electronic portal image enhancement based on nonuniformity correction in wavelet domain**. Medical Physics. 2022, Volum 49(7), p: 4599-4612.
7. Meghdad Ashtiyani, Parmida Moradi Birgani, Maryam Soleimani, Seyed Behnamdin Jameie, Amin Shahrokh, Mohammad Mehdi Mirbagheri, **Mohammad Reza Deevband**. **Corpus Callosum Functional Activities in Children with Cerebral Palsy**. Journal of Biomedical Physics and Engineering. 2022, Volum --, p: --.
8. Ghaffar Alnoor, Mahdi Ghorbani, Mohammad reza Devband, Benyamin Khajetash, Ali Mohammad.. **Radiotherapy treatment planning for stage II breast cancer: a dosimetric comparison between physicists and treatment techniques**. Teikyo Medical Journal. 2022, Volum 45. Issue 03, p: 6323-6335.

9. NimaHamzian, ZahraRoozmand, Seyed Mohammad JalilAbrisham, SepidehAbdollahi-Dehkordi, SaeidAfereydoon, MahdiGhorbani and **Mohammad Reza Deevband**. Monte Carlo evaluation of effective dose and risk of exposure induced cancer death (REID) for common examinations in stereo radiography (EOS) imaging: Considering age and gender. Journal of Medical Imaging and Radiation Sciences. 2022, Volum 53, p: 283-290.
10. Meghdad Ashtiyani, Parmida Moradi Birgani, Maryam Soleimani, Seyed Behnemedin Jameie, Amin Shahrokh, **Mohammad Reza Deevband**, Mohammad Mehdi Mirbagheri. Short-Term Therapeutic Effects of Anti-Gravity Treadmill Training on Brain Functional Activities and Walking Capacity in Children With Cerebral Palsy. Basic and Clinical Neuroscience. 2022, Volum --, p: --.
11. Elham Avard, Isaac Shiri, Ghasem Hajianfar, Hamid Abdollahi, Kiara Rezaei Kalantari, Golnaz Houshmand, Kianosh Kasani, Ahmad Bitarafan-rajabi, **Mohammad Reza Deevband**, Mehrdad Oveis, Habib Zaidi. Non-contrast Cine Cardiac Magnetic Resonance image radiomics features and machine learning algorithms for myocardial infarction detection. Computers in Biology and Medicine. 2022; Volum 141, p: 105145.
12. Mehdi Amini, Mostafa Nazari, Isaac Shiri, Ghasem Hajianfar, **Mohammad Reza Deevband**, Hamid Abdollahi, Hossein Arabi, Arman Rahmim and Habib Zaidi. Overall Survival Prognostic Modeling of NSCLC Patients Using PET/CT Harmonized Radiomics Features: The Quest for the Optimal Machine Learning Algorithm. Clinical Oncology. 2022; Volume 34(2), pp:114-127.
13. Delaram Pakravan, Farshid Babapour Mofrad, **Mohammad Reza Deevband**, Mahdi Ghorbani, Hamidreza Pouraliakbar. Organ dose in cardiac dual-energy computed tomography: a Monte Carlo study. Physical and Engineering Sciences in Medicine. 2022; Volum 45. p: 157-166.
14. Elahe Mahmoudi, Elahe Pirayesh, **Mohammad Reza Deevband***, Mahasti Amoui, Mehrdad Ghorbani Rad , Mahdi Ghorbani. External Dose Assessment from the Patients Treated by ¹⁷⁷Lu-DOTATATE. International Journal of Radiation Research. 2022; Volum 20, No.1. p: 235-239.
15. E Mahmoudi, **MR Deevband**, M Amoui, E Pirayesh, MA Ghodsi Rad, Evaluation of occupational external radiation and related factors in Nuclear Medicine Center of Shohada-e Tajrish Hospital in 1398. Research in Medicine, 2022, Volum --, p: --.
16. Elahe Mahmoudi, Elahe Pirayesh, **Mohammad Reza Deevband**, Mahasti Amoui, Mohammadali Ghodsi Rad, Mehrdad Ghorbani Rad and Mahdi Ghorbani. Radiation Dose to Medical Staff in ¹⁷⁷Lu-PSMA-DKFZ-617 therapy And Estimation of Annual Dose. Journal of Nuclear Medicine Technology. 2021; Volum 121, p: 263135.
17. Mehdi Amini, Mostafa Nazari, Isaac Shiri, Ghasem Hajianfar, **Mohammad Reza Deevband**, Hamid Abdollahi, Hossein Arabi, Arman Rahmim and Habib Zaidi. Multi-level multi-modality (PET and CT) fusion radiomics: prognostic modeling for non-small cell lung carcinoma. Physics in Medicine & Biology, 2021; Volume 66, Number 20, pp:205017.

18. A Aghaz, MR Kardan, **MR Deevband**, B Bahadorzadeh, Y Kasesaz, H Ghadiri. **Patient-specific dose assessment using CBCT images and Monte Carlo calculations.** Journal of Instrumentation. 2021; Volume 16, Number 10, pp:10011.
19. Seyed Mohammad Bagher Hosseini Nasab, **Mohammad Reza Deevband**, Roghaye Rahimi, Saeed Nasiri, Mohammad Reza Ahangaran and Mina Morshedi. **OPTIMIZATION OF LUNG CT PROTOCOL FOR THE DIAGNOSTIC EVALUATION OF COVID-19 LUNG DISEASE.** Radiation protection dosimetry. 2021, Vol. 196, No. 1-2, pp. 120-127.
20. Elahe Mahmoudi, Elahe Pirayesh, **Mohammad Reza Deevband** *, Mahasti Amoui, Mehrdad Ghorbani Rad , Mahdi Ghorbani. **Patient specific dosimetry in Radioligand Therapy (RLT) for metastatic prostate cancer using ¹⁷⁷Lu-DKFZ-PSMA-617.** Nuclear Medicine and Molecular Imaging. 2021; Volum 55, No.5. p: 237-244.
21. **Mohammad Reza Deevband**, Fereshteh Rahmani, Meisam Ebrahimi Bardar, Mahdi Ghorbani. **Optimization of dose and image quality in pediatrics chest digital radiography.** Journal of Medical Imaging and Radiation Sciences, 2021; Volum 52, No.3. p: 443-449.
22. Delaram Pakravan, Farshid Babapour Mofrad, **Mohammad Reza Deevband**, Mahdi Ghorbani, Hamidreza Pouraliakbar. **A Monte Carlo Platform for Characterization of X-Ray Radiation Dose in CT Imaging.** Journal of biomedical physics and engineering, 2021; Volum 11, No.3. p: 271-280.
23. Mehdi Amini, Ghasem Hajianfar, Atlas Haddadi Avval, Mostafa Nazari, **Mohammad Reza Deevband**, Mehrdad Oveis, Isaac Shiri, Habib Zaidi. **Multiple Machine Learning Algorithms for Overall Survival Modeling of NSCLC Patients Using PET-, CT-, and Fusion-Based Radiomics.** Journal of Nuclear Medicine: 2021; Volum 62, No.1. p: 1192-1199.
24. Nima Hamzian, Saeid Afereydoon, Mahdi Ghorbani*, Seyed Mohammad Jalil Abrisham, Morteza Sepehr Javan, Zahra Roozmand, Mohammad Reza Deevband. **Equivalent Dose and Risk of Exposure Induced Cancer Death of Different Organs due to Various Image Techniques of EOS Imaging System.** Journal of biomedical physics and engineering, 2021; Volum 11, No.3. p: 289-296.
25. Saeedeh Navaei Lavasani, Navaei Lavasani, Saeedeh; Farnia, Parastoo; Najafzadeh, Ebrahim; Saghatchi, Samaneh; Samavati, Mehdi; Abtahi, Hamidreza; **Deevband, Mohammad reza; Ahmadian, Alireza.** **Bronchoscope motion tracking using centerline -guided gaussian mixture model in navigated bronchoscopy.** Physics in Medicine and Biology. 2021; 66(2), 025001.
26. **Mohammad Reza DEEVAND**, Zeinab KAVEH, Mahdi GHORBANI, Benyamin KHAJETASH. **Evaluation of glandular dose in mammography in presence of breast cysts using Monte Carlo simulation.** Polish Journal of Medical Physics and Engineering. 2021; Vol 27, Issue 1, pp.41 –50.
27. **M.R. Deevband**, M. Ghorbani1, A. Eshraghi2, Y. Salimi,E. Saeedzadeh, M.R. Kardan, S. Sadeghi, D. Divband, M. Ahmadi. **Patient effective dose estimation for routine computed tomography examinations in Iran.** International Journal of Radiation Research, 2021. Volume 19, No 1:63-73.

28. Mohagheghian, F., Khajehpour, H., Samadzadehaghdam, N., ...Makkiabadi, B., Deevband, M.R. **Altered effective brain network topology in tinnitus: An EEG source connectivity analysis.** Biomedical Signal Processing and Control, 2021, 64, 102331.
29. Ladan Hafezi, Dina Divband, M.R Deevband. **New method to organ dose assessment in cone-beam computed tomography using ImPACT software.** International Journal of Radiation Research. 2021; Volum 19, No.4. p: 1049-1051.
30. M Nabipour, MR Deevband, A Asgharzadeh Alvar, N Soleimani, S Sadeghi. **A New Method on Kerma Estimation in Mammography Screenings.** Journal of biomedical physics and engineering, 2021; Volum 11, No.5. p: 595-602.
31. MasoumehZangeneh' **Mohammad RezaDeevband** and BehzadMohsenzadeh. **Lifetime attributable risk of cancer incidence and mortality in routine digital radiology procedures**. Clinical Imaging; 2020: Vol. 67, 2020: 226-236.
32. B. Mohsenzadeh, **M.R. Deevband**, R. Paydar, M. Ghorbani. **Assessment of patient dose in routine digital radiography in Iran.** International Journal of Radiation Research; Vol. 18, Issue. 3, 2020: 449-460.
33. Khateresh SHAMSI, Ali Shabestani MONFARED, **Mohammad Reza DEEVAND**, Behzad MOHSENZADEH, Mahdi GHORBANI, Kourosh Ebrahimnejad GORJI, Fatemeh NIKSIRAT. **Evaluation of effective dose and entrance skin dose in digital radiology.** Polish Journal of Medical Physics and Engineering. 2020, Vol 26, Issue 2, pp.118 –125.
34. Zeinab Hoseini Motlagh, Ali Shabestani Monfared, **Mohammad Reza Deevband**, Razzagh Abedi-Firouzjah, Naser Ghaemian, Rohollah Abdi, Kourosh Ebrahimnejad Gorji. **Determination of Diagnostic Reference Level in Routine Examinations of Digital Radiography in Mazandaran Province.** Radiation protection dosimetry. 2020, Vol. 190, No. 1, pp.31 –37.
35. Mohagheghian, F., Deevband, M.R., Samadzadehaghdam, N., Khajehpour, H., Makkiabadi, B. **An enhanced weighted greedy analysis pursuit algorithm with application to EEG signal reconstruction.** International Journal of Imaging Systems and Technology. 2020, Vol. 00, No. 00, pp.
36. Mostafa Nazari, Isaac Shiri, Ghasem Hajianfar, Niki Oveisi, Hamid Abdollahi, **Mohammad Reza Deevband**, Mehrdad Oveisi, Habib Zaidi. **Noninvasive Fuhrman grading of clear cell renal cell carcinoma using computed tomography radiomic features and machine learning.** La radiologia medica.2020; Vol. 125, No.8, pp. 754–762.
37. Seyed Mohammad Bagher Hosseini Nasab, **Mohammad Reza Deevband**, Ali Shabestani-Monfared, Seyed Ali Hoseini Amoli and Seyed Hasan Fatehi Feyzabad. **Organ equivalent dose and lifetime attributable risk of cancer incidence and mortality associated with cardiac CT angiography.** Radiation protection dosimetry. 2020, Vol. 189, No. 2, pp. 213–223.
38. Hanieh Ghaempanah, **Mohammad Reza Deevband**, Amin Asgharzadeh Alvar, Mohsen Najafi. **Wavelet-based Enhancement of Electronic Portal Images.** Research on Medicine. Vol. 43; No. 3; 2020; 193–197.

39. Saeedeh Navaei Lavasani, **Mohammadreza Deevband**, Parastoo Farnia, Alireza Ahmadian, Samaneh Saghatchi. **Compensation of Dynamic Electromagnetic Field Distortion Using Simultaneous Localization and Mapping Method with Application in Endobronchial Ultrasound-Transbronchial Needle Aspiration (EBUS-TBNA) Guidance.** The International Journal of Medical Robotics and Computer Assisted surgery. September 2019; 2019: 2035-2047.
40. Ahdieh Aghaz, Mohammad Reza Kardan, **Mohammad Reza deevband**, Bahador Bahadorzadeh, Yaser Kasesaz, Hossein Ghadiri. **Evaluation of gray scale changes of CBCT system images in different axis using the DICOM file.** Iranian Journal of Radiation Safety and Measurement . Volume 7, Issue 4 (12-2019); 35-40.
41. Mostaar A., Sattari M. R., Hosseini S., **Deevband M. R.** **Use of Artificial Neural Networks and PCA to Predict Results of Infertility Treatment in the ICSI Method.** Journal of biomedical physics and engineering, Dec.2019; Volum 9, No.6. p: 679-686.
42. Fereshte Rahmani, **Mohammadreza Deevband**, Zeinab Kaveh, Behzad Mohsenzadeh, Leila Azimi ,Elahe Pirayesh. **Homogeneous Phantom Equivalent Chest for Examination of Image Quality Testing in Pediatric Chest X-Ray.** Research on Medicine. Vol. 43; No. 3; 2019; 150–156.
43. Nasrin Fathabadi, Ali Akbar Salehi, Kazem Naddafi, Mohammad Reza Kardan,* ,Masud Yunesian, Ramin Nabizadeh Nodehi, **Mohammad Reza Deevband**,, Molood Gooniband Shooshtari. **Public ingestion exposure to 226Ra in Ramsar, Iran** .Journal of Environmental Radioactivity, 2019; 11-17.
44. Hossein Rahim Zadeh, Anahita Fathi Kazerooni, **Mohammad Reza Deevband**, Hamidreza Saligheh Rad. **An Efficient Framework for Accurate Arterial Input Selection in DSC-MRI of Glioma Brain Tumors.** Journal of biomedical physics and engineering, Aug.2019; Volum 9, No.1. p: 69-80.
45. Yazdan Salimi, **MohammadReza Deevband**, Pardis Ghafarian. **Estimating the radiation dose of non-radiation workers from nuclear medicine patients.** Iranian Journal of Medical Physics. Volume 15,2019. p:325.
46. Mohagheghian F., Makkiabadi B., Jalilvand H.,Khajehpoor H., Samadzadehaghdam N., Eqlimi E.,**Deevband M. R.** **Computer-Aided Tinnitus Detection based on Brain Network Analysis of EEG Functional Connectivity.** Journal of biomedical physics and engineering, 2019; Volum 9, No.6. p: 687-698.
47. Behzad Mohsenzadeh, Fereshte Rahmani, Zeinab Kaveh, Khaterreh Shamsi, Hamed Bagheri, Mohammad Reza Deevband, Leila Azimi. **Primary efforts to optimize image quality in chest direct digital radiography of pediatric patient (for the age group 0 to 1 and 1 to 5 years) with survey some effective.** Iranian Journal of Medical Physics. Volume 15,2018. p:416.
48. M Gooniband Shooshtari, MR Deevband, MR Kardan, N Fathabadi, AA Salehi, K Naddafi, M Yunesian, R Nabizadeh Nodehi, M Karimi, SS Hosseini. **Evaluation of 226Ra activity concentration in market consuming food staples of Ramsar, Iran.** Iranian Journal of Medical Physics. Volume 15,2018. p:389.

49. Yazdan Salimi, **MohammadReza Deevband**, Pardis Ghafarian. **Assessment the effect of CT localizer parameter on radiation dose and image quality of GE CT spiral images, A phantom study.** Iranian Journal of Medical Physics. Volume 15,2018. p:323.
50. Hanie Ghaempanah, **Mohammad Reza Deevband**, Amin Asgharzadeh Alvar, Mohsen Najafi. **Quality enhancement of Pelvis electronic portal images in order to improve treatment accuracy.** Iranian Journal of Medical Physics. Volume 15,2018. p:293.
51. Roya Bordbar, **Mohammad Reza Deevband**, Fatemeh Niksirat, Kourosh Ebrahimnejad Gorji. **Determination of Diagnostic Reference Level in routine Computed radiography examination in north of Iran.** Iranian Journal of Medical Physics. Volume 15,2018. p:267.
52. Ahdiyeh Aghaz, Mohammad Reza Kardan, **Mohammad Reza Deevband**, Bahador Bahadorzadeh. **Comparison of two different methods for CTDIw calculation in CBCT systems.** Iranian Journal of Medical Physics. Volume 15,2018. p:224.
53. Ahdiyeh Aghaz, Mohammad Reza Kardan, **Mohammad Reza Deevband**, Bahador Bahadorzadeh. **Evaluation of the gray level in CBCT systems and its relationship with HU in CT Scanners.** Iranian Journal of Medical Physics. Volume 15,2018. p:223.
54. Mohammad Hossein Jamshidi, **Mohammad Reza Deevband**, Mohammad Javad Tahmasebi Birgani, Ali Yadollahpour, Morteza Tahmasebi. **A New Method for Estimating of Patient Effective Dose in Computed Tomography Based on Body Mass Index: Performance of the Method in Abdomen-Pelvic Examination.** Iranian Journal of Medical Physics. Volume 15,2018. p:123
55. Nasrin Fathabadi, Ali Akbar Salehi, Kazem Naddafi, Mohammad Reza Kardan, Masud Yunesian, Ramin Nabizadeh Nodehi, **Mohammad Reza Deevband**, Molood Gooniband Shooshtari. **Public exposure to natural radiation sources (Ramsar Case Study).** Iranian Journal of Medical Physics. Volume 15,2018. p:2
56. Fahimeh Mohagheghian, Bahador Makkabadi, Hamid Jalilvand, Hassan Khajehpoor, Nasser Samadzadehaghdam, Ehsan Eqlimi, **Mohammad Reza Deevband.** **Tinnitus Identification based on Brain Network Analysis of EEG Functional Connectivity.** Iranian Journal of Medical Physics. Volume 15, 2018. p:50
57. Behzad Mohsenzadeh, **Mohammad Reza Deevband.** **Paediatric Dose AssessmentToward Establishment of National Diagnostic Reference Levels for Digital Radiography Examinations in Iran.** Iranian Journal of Medical Physics. Volume 15, 2018. p:94.
58. Fereshte Rahmani, Behzad Mohsenzadeh, Zeinab Kaveh, **Mohammad Reza Deevband.** **Construction of an Equivalent Chest Homogeneous Phantom for Evaluation of Image Quality in Pediatric Radiography.** Iranian Journal of Medical Physics. Volume 15, 2018. p:99.

59. Behzad Mohsenzadeh, **Mohammad Reza Deevband**. Design and Fabrication Process of MTF Phantom CT Scan. Iranian Journal of Medical Physics. Volume 15, 2018. p:100.
60. Salimi, Y; **Deevband, M R**; Ghafarian, P; Ay, M R. Uncertainties in effective dose estimation for CT transmission scan in total body PET-CT imaging with Auto mA3D tube current modulation. International Journal of Radiation Research; Vol. 16, Iss. 4, (Oct 2018): 465-472.
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62. H. Rasooli, M. Ashtiyani, P. M.Birgani, S. Amiri, P. Mirmohammadi and **M. R. Deevband***. Automatic recognition of acute lymphoblastic leukemia using multi-SVM classifier. CURRENT SCIENCE,2018, VOL. 115; NO.8.P:1512- 1518.
63. B Mohsenzadeh, **MR Deevband*** and R Pouriran. The National Diagnostic Reference Level in Routine Digital Radiography Examinations in Iran. Biomedical Journal of Scientific & Technical Research (BJSTR). 2018, Volume 7- Issue 5. P:1-10.
64. Kazem Naddafi, Ali Akbar Salehi, Mohammad Reza Kardan, Nasrin Fathabadi , Masud Yunesian, Ramin Nabizadeh-Nodehi, **Mohammad Reza Deevband**, Molood Gooniband Shooshtari. Population doses due to indoor gamma radiation exposure in Ramsar. Journal of Radiation Safety abd Measurement. Volume 5, Issue 4, IJRS 2018, 5(4): 35-42.
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66. H. Rasooli, M. Ashtiyani, P. M.Birgani, S. Amiri, P. Mirmohammadi and **M. R. Deevband***. MRI segmentation using Fuzzy C-means and radial basis function neural networks. CURRENT SCIENCE,2018, VOL. 115; NO.6.P:1091- 1097.
67. Meghdad Ashtiyani, Saeedeh Navaie Lavasani,, Amin Asgharzadeh Alvar and **Mohammad Reza Deevband***. Heart Rate Variability Classification using Support Vector Machine and Genetic Algorithm. Journal of biomedical physics and engineering, Aug.2018; Volum 15, No.2. p: 1-12.
68. Zeinab Kave, **Mohammad reza Deevband***, Mahdi Ghorbani. Effect of heterogeneous breast tissue on average glandular dose in mammography using simulation. Research on Medicine. 2018, Vol.24; No.1; 34-39.
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70. B SAMIMI, MR KARDAN, FA MIANJ, J KARIMI DIBA, N FATHABADI, N RASTKHAH, A ESHRAGHI, MR DIVBAND, A BABAKHANI, H REIESMOHAMMAD. **Radiation Protection Measures during and after Fukushima Daiichi nuclear accident in Iran.** 2018. IAEA Conference, Austria. (Poster)
71. Shirin Akbari, Emad Fatemizadeh, **Mohammad Reza Deevband**, Functional Brain Networks in Parkinson,s Disease.24th national and 2nd international Iranian conference on biomedical engineering(ICBME), 2018. IEEE Xplore digital library. P:330-333.
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73. Amin Asgharzadeh Alvar, **Mohammad Reza Deevband***, Meghdad Ashtiyani. **Neutron Spectrum Unfolding using Radial Basis Function Neural Networks.** Applied Radiation and Isotopes, 2017. No. 129, pp:35-41.
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76. Seyed Mohammad Bagher Hosseini Nasab, Ali Shabestani-Monfared, **Mohammad Reza Deevband**, Reza Paydar, Mehrdad Nabahati. .Estimation of cardiac CT angiography radiation dose toward the establishment of national diagnostic reference level for CCTA in IRAN. Radiation protection dosimetry. Vol: 174, No.4, pp: 551-557(2017)
77. Y Salimi, P Ghafarian, **M Deevband**, M Bakhshayesh Karam, H Jamaati, M Ay. The impact of using Tube- current- Modulation technique for attenuation correction of PET/CT images on image quality and patient dose. EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING. Vol: 43, pp: 523 (2016)
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7. LANGUAGE SKILLS

- **English**

Fluent

- **Persain**

Native

- **Arabic**

Elementary