

Curriculum Vitae

Personol Background

Name: Mazyar **Family:** Mahdavi

Date of Birth : 1965

Place of Birth: Rasht , Iran

Marital State: Married (2 Children)

University Position: Assistant Professor (Academic Member)
Radiology Department, School of Paramedical Sciences, Shiraz
University of Medical Sciences.

E- Mail : Mahdavi@Sums.ac.ir,
mahdavima120@gmail.com

Educational Background:

1- BSc in Radiology Technology, 1993 , Shiraz University of Medical Sciences , Shiraz , Iran .

2- MSc in Radiology Technology, 1996, Tarbiat Modaress University, Tehran, Iran.

Thesis: Protection of Spermatogenesis Process in Mouse by use of Vitamin C & Famotidine against Gamma Radiation.

3- PhD, 2018, Ahvaz Jundishapour University of Medical sciences, Ahvaz, Iran

Thesis: Evaluation of various sources of errors in HU conversion on dose calculation in radiotherapy treatment planning using dual energy

with MSCT:” Dose simulation with MCNPX in water & anthropomorphic phantom”

Teaching History:

1 - Shiraz University of Medical Sciences: (1996- 2007) as an Instructor , As an Academic member (2007 till now)

Teaching Subjects:

- 1- Physical & Technical principles of Computed Tomography**
- 2- Physical & Technical principles of Magnetic Resonance Imaging**
- 3- Radiation Biology**
- 4- Contrast Media in Radiology**
- 5 - Hospital Training in Computed Tomography**
- 6 - Radiographic Imaging**
- 7- Quality Assurance in Medical Imaging (for Bs & Msc Students)**
- 8- Health Physics (Msc Students)**
- 9- Clinical Radiobiology (Msc Students)**

Certification:

MRI Training Course (Physics & Techniques) , 2004 , Tehran ,Philips Medical Division

Congress & Conferences Attendance:

1- The First Zoology Congress (Sep 1993 ,Thehran Iran).

Article: Mozdarani M, Mahdavi M , Protection of Spermatogenesis Process in Mouse by use of VitamiC & Famotidine Against Gamma Radiation.

2-The first Nuclear Conference , April 1997, Radiation Research Center, Shiraz University, Shiraz, Iran.

- 3- **The Third Congress of the Iranian Radiographic Sciences Association , Jan 2005 , , Tehran , Iran.**
- 4- **The Fourth Congress of the Iranian Radiographic Sciences Association Jan 2006,Tehran ,Iran.**
- 5- **The Nuclear Conference , Fev 2008 , Yazd University , Yazd , Iran.**

Article :Mehdizadeh S ,Faghihi R, Faghihi F, Oliyaei A, Derakhshan S, Fazilat E,Mahdavi M , Divband M.R,KhosraviH.R , Effective Dose of Critical Organ in Brain&Abdomen pelvis CT Scan with CTDI & TLD measurements (A Comparison Study).

- 6-**International Conference on Medical Physics , April 2008 Dubai,AUE.**

Poster presentation : Oliyaei A, Faghihi R, Mehdizadeh S, Safigholi H, Divband M.R, Fazilat E , Mahdavi M , Estimation Organ Dose for Computed Tomography(CT) Using Montcarlo And Experimental Methods in Fars Province of Iran .

- 7- **The Sixth Congress of the Iranian Radiographic Sciences Association ,Shiraz , Iran, April 2008 .**

Article: Oliyaei A, Faghihi R, Mehdizadeh S ,Mahdavi M, Evaluation of Health Physics' Protocols of CT Equipment in Fars Province of Iran.

- 8- **The 1st seminar on New Horizons in Radiotherapy of the 3rd Millennium ,Nov 9 th , 2008.**

- 9- **The 1st MEFOMP International conference of Medical Physics, Shiraz , Iran,Nov 2011 .**

Poster presentation:

Radioprotective Effects of polysorbate 20 Against Whole Body Lethal Gamma Irradiation in Balb/C mice, Mahdavi M , Mosleh Shirazi MA , Karbalaeeidoost S, Miri R, Bahaedini N .

- 10- **The Congress of Modern Imaging Techniques , Shiraz, Iran , Dec 24, 25, 2015, Oral presentation: Physics of Dual Energy Computed Tomography.**

11-The 12th congress of Iranian society of Medical Physics, Tehran, Iran, July, 11-12, 2018,

Poster presentation: Birgani MJT, Mahdavi M, Zabihzadeh M, Lotfi M, Mosleh-Shirazi MA. Characterization of electron density of the real tissues for radiotherapy planning using dual energy algorithms and stoichiometric calibration method.

12- The Seventeenth Congress of the Iranian Radiographic Sciences Association ,Tehran , Iran, April 2018. Oral presentation:

The concept of diagnostic reference level (DRL) for radiology technologists.

Articles :

- 1. Jalli R, Kamali K, Mojtahedi E, Akbarnezhad S, Mahdavi M. Accuracy of CT scan in detection of benign or malignant nature of solitary pulmonary nodules in comparison with pathological results-A prospective study. 2007.**
- 2. Mahdavi M, Mozdarani H. Protective effects of famotidine and vitamin C against radiation induced cellular damage in mouse spermatogenesis process. International Journal of Radiation Research. 2011;8(4):223.**
- 3. Mahdavi M, Rahimi S, Eghlidospoor M. Evaluation of some spiral and sequential computed tomography protocols of adults used in three hospitals in Shiraz, Iran with American College of Radiology and European Commission guidelines. Polish journal of radiology. 2018;83:e297.**
- 4. Birgani MJT, Mahdavi M, Zabihzadeh M, Lotfi M, Mosleh-Shirazi MA. Simultaneous characterization of electron density and effective atomic number for radiotherapy planning using stoichiometric calibration method and dual energy algorithms. Australasian physical & engineering sciences in medicine. 2018;41(3):601-19.**
- 5. Birgani MJT, Mahdavi M, Zabihzadeh M, Lotfi M, Mosleh-Shirazi MA. Characterization of electron density of the real tissues for radiotherapy planning using dual energy algorithms and stoichiometric calibration method. Iranian Journal of Medical Physics.2018,(15):109.**
(1-4)
- 6. Abiar M, Mahdavi M, Hadaddi G.H. Establishing local Diagnostic Reference Level for Adult Patients in Computed Tomography Examination in Kohgiluyeh and Boyer-Ahmad province. Iranian Journal of Medical Physics.(in print).**
- 7. Mohammad Amin Mosleh-Shirazi, Mozhdeh Amiri, Rezvan Ravanfar Haghghi, Maziyar Mahdavi. Independent evaluation and comparison of digital radiography image quality in nine major university-affiliated imaging centers. International Journal of Radiation Research.(in print).**
- 8. Mohammad Amin Mosleh-Shirazi, Raziieh Rashidfar, Sareh Karbasi, mehran Pashnehsaz, Maziyar Mahdavi. Independent Validation of a dedicated Commissioning software and investigation of the direct dependence of the field symmetry for the LIAC intraoperative electron radiotherapy accelerator. Radiation Physics and Chemistry.(in print).**

Book:

- 1- MRI at a Glance, Catherine Westbrook,2011 ,translation into persian : Mazyar Mahdavi,Avand-e-andisheh,Shiraz, Iran**