

Curriculum Vitae (CV)

Personal Information

Zahra Farzanegan

Instructor of Medical Physics. Department of Radiology and Radiation Therapy. Arak University of Medical Sciences

Arak, Iran

Email: farzanegan.z97@gmail.com

Mobile: (+98)9185929185

Education

MSc of medical physics, Ahvaz University of Medical Sciences, Ahvaz, Iran.

Investigation of the accuracy of Magnetic resonance spectroscopy techniques in distinction between prostate cancer and prostatitis.

Supervisors: Dr. Mansour Zabihzadeh- Dr. Jafar Fatahi Asl

BSc of Radiology, Hamedan University of Medical Sciences, Hamedan, Iran.

Publications

- 1- Zabihzadeh M, Asl JF, **Farzanegan Z**, Hoseini SM, Sarkarian M, Cheraghian B, Dahaz S, Garibvand MM. Accuracy of Magnetic Resonance Spectroscopy Techniques in Prostate Cancer and Prostatitis. Archives of Iranian Medicine (AIM). 2020 Feb 1;23(2).
- 2- Davoudian Talab A, **Farzanegan Z**, Mahmoudi F. Effects of occupational exposure on blood cells of radiographers working in Diagnostic Radiology Department of Khuzestan Province. Iranian Journal of Medical Physics. 2018 Apr 1;15(2):66-70.
- 3- **Farzanegan Z**, Tahmasbi M, Cheki M, Yousefvand F, Rajabi M. Evaluating the principles of radiation protection in diagnostic radiologic examinations: collimation, exposure factors and use of protective equipment for the patients and their companions. Journal of Medical Radiation Sciences. 2020 Jun;67(2):119-27.
- 4- Zabihzadeh M, **Farzanegan Z**, Gharibvand MM, Motamedfar A, Naserpour M. Evaluation of the Pattern of Liver Fat Distribution Using Magnetic Resonance Imaging (MRI) Technique in Patients with Nonalcoholic Fatty Liver Disease. J Isfahan Med Sch 2019; 36(502): 1314-20.
- 5- Ghazikhanlo Sani K, **Farzanegan Z**. Evaluation of patient's right charter observance in view point of personnel and patients in Radiology Wards of Hamadan's educational hospitals in 2015. Pajouhan Scientific Journal. 2016 Sep 10;14(4):70-8.
- 6- **Farzanegan Z**, Zabihzadeh M. Absorbed dose to peripheral organs during different methods of dental radiology using radiation estimation models. Iranian Journal of Medical Physics. 2018 Dec 1;15:234-.

- 7- Mahmoudi F, Naserpour M, **Farzanegan Z**, Talab AD. Evaluation of radiographers' and CT technologists' knowledge regarding CT exposure parameters. Polish Journal of Medical Physics and Engineering. 2019 Mar 1;25(1):43-50.
- 8- **Farzanegan Z**, Zabihzadeh M. Artifact reduction techniques in Cone Beam Computed Tomography (CBCT) imaging modality. Iranian Journal of Medical Physics. 2018 Dec 1;15:240-.
- 9- Zabihzadeh M, Asl JF, **Farzanegan Z**, Hoseini SM, Sarkarian M, Garibvand MM. MRS Efficacy in Distinction between Benign and Malignant Prostatic Lesions. Jundishapur Scientific Medical Journal. 2018 Nov.17(4):355-365.
- 10- Zabihzadeh M, Gharibvand MM, Motamedfar A, Sina AH, **Farzanegan Z**, Naserpour M. Non-invasive quantification of liver fat content by different Gradient Echo MRI sequences in patients with Non-Alcoholic Fatty Liver Disease (NAFLD). Iranian Journal of Medical Physics. 2018 Dec 1;15:13-.

Seminars and Presentations

- 1- **Farzanegan Z**, Zabihzadeh M, Fatahi Asl J. The role of magnetic resonance imaging (MRS) in detection of prostate lesions in comparison with pathologic and clinical methods. 35th Iranian Congress of Radiology (23-26 April 2019, Tehran, Iran).

- 2- **Farzanegan Z**, Zabihzadeh M. Absorbed dose to peripheral organs during different methods of dental radiology using radiation estimation models. 12th Iranian Congress of Medical Physics (19-20 July 2018, Tehran, Iran).
- 3- **Farzanegan Z**, Ghazikhanlo Sani K. Evaluation of the patients Right Charter Observance n in Radiology Wards of Hamedan's educational Hospitals: from the perspective of Patients and Technologists. The Fourth Iranian Annual Congress of Medical Ethics and the Fourth Congress of Nursing Ethics (26-29 January 2016. Tehran, Iran).
- 4- **Farzanegan Z**, Zabihzadeh M. Artifact reduction techniques in Cone Beam Computed Tomography (CBCT) imaging modality. 12th Iranian Congress of Medical Physics (19-20 July 2018, Tehran, Iran).
- 5- Tahmasebi M, **Farzanegan Z**, Cheki M, Ghasemi MS. Evaluation of the occupational Skills of radiology technologists working in educational hospitals of Ahvaz Jundishapur University of Medical Sciences. 35th Iranian Congress of Radiology (23-26 April 2019, Tehran, Iran).
- 6- **Farzanegan Z**. Effectiveness of High intensity focused ultrasound in cancer treatment. 3rd International Clinical Oncology Congress (19-21 December 2018, Tehran, Iran).
- 7- **Farzanegan Z**, Zabihzadeh M, Mashayeki Z. Dose Perturbation due to the Metal Port of Breast Expander in Patients Undergoing the Post Mastectomy Radiation Therapy. 8th National Congress of the Iranian Woman's Cancer Society (2-4 May 2018, Tehran, Iran).
- 8- Zabihzadeh M, Gharibvand MM, Motamedfar A, Sina AH, **Farzanegan Z**, Naserpour M. Non-invasive quantification of liver fat content by different Gradient Echo MRI sequences in patients with Non-Alcoholic Fatty Liver Disease (NAFLD). 12th Iranian Congress of Medical Physics (19-20 July 2018, Tehran, Iran).

Book

Digital Radiography and PACS.

Zahra Farzanegan- Dr. Mansour Zabihzadeh- Dr Nasim Shams.

Research Projects and Proposals

- 1- Investigation of the accuracy of Magnetic resonance spectroscopy techniques in distinction between prostate cancer and prostatitis. Ahvaz Jundishapur University of Medical Sciences. 19.02.1397 (U-97095).
- 2- Determining the radiology technologists' knowledge and job skills and prioritizing their training needs in educational hospitals of Ahvaz Jundishapur University of Medical Sciences. 14.02.1398(U-98042).
- 3- Evaluation of the mechanical and thermal indices of ultrasound examinations in imaging departments. Ahvaz Jundishapur University of Medical Sciences. 20.08.1397 (U-97173).
- 4- A review of current methods to measure and calculate Electrons contamination in radiation therapy by high energy photon. Ahvaz Jundishapur University of Medical Sciences. 5.05.1395 (U-95077).

- 5- Investigating of regarding Radiation Protection in diagnostic radiology departments: limiting the radiation field and using a lead apron for patient accompany. Ahvaz Jundishapur University of Medical Sciences. 20.08.1397(U-97172).
- 6- Evaluation of radiographers' and CT technologists' knowledge regarding CT exposure parameters. Behbahan University of Medical Sciences. 24.08.1396 (9606).
- 7- Evaluation of patient's right charter observance in view point of personnel and patients in Radiology Wards of Hamadan's educational hospitals. Hamedan University of Medical Sciences. 24.09.1394 (9409245240).
- 8- Determination of Absorbed dose to tissues and risk of radiation cancer in Oral, Maxillofacial Radiology: Case Study. Behbahan University of Medical Sciences. 24.08.1396 (9621).
- 9- Evaluation of the Management and Protection of radiology Technologists working in Iranian Medical Radiation Centers during Pregnancy and Lactation. Behbahan University of Medical Sciences. 24.08.1396 (9617).