**In the Name of God**

**CURRICULUM VITATE**



**PERSONAL INFORMATION:**

**Name:** seadeh fatemeh

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**EDUCATIONAL BACKGROUND:**

MSc. in Medical Physics, Department of Medical Physics, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran (2017)

BSc. in Radiology, Department of Radiology, Faculty of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran (2011)

**DISSERTATIONS:**

✓**MSc Thesis Title:**

✓ A study for accurate volume measurement of vascular emboli in CT images using MITK software

**TEACHING EXPERIENCES:**

I: Radiologic methods & techniqes (General I, II, III & specialized)

✓ Radiology students, Sabzevar university of medical sciences

II: contrast media

✓ Radiology students, Sabzevar university of medical sciences

III: Medical Physics(Physic Laboratory)

✓ Laboratory, Laboratory sciences and environmental health students, Sabzevar university of medical sciences

IV: Radiology in operating room

✓ operating room students, Sabzevar university of medical sciences

V: Medical Terminology

✓ Radiology students, Sabzevar university of medical sciences

VI: Hospital & health care management

✓ Radiology students, Sabzevar university of medical sciences

VII: Patient care in radiology

✓ Radiology students, Sabzevar university of medical sciences

VIII: Medical Imaging Methods

✓ Radiotherapy students, Sabzevar university of medical sciences

IX: Internship(I, II, III, special, CT)

✓ Radiology students, Sabzevar university of medical sciences

X: Physical principles of laboratory science devices

✓ Laboratory sciences students, Sabzevar university of medical sciences

**PROFESSIONAL MEMBERSHIP:**

✓ Member of Iranian Association of Radiology, 2013-Continued.

✓ Member of Iranian Association of Medical Physics, 2016-Continued.

✓ Member of Medical Physics & Radiological Sciences Department, Faculty of Allied in Medicine, Sabzevar University of Medical Sciences, Iran. 2017- Continued

✓ Member of Radiology Department, Vaseie Hospital, Sabzevar University of Medical Sciences, Sabzevar, Iran. 2021- Continued.

✓ Member of Radiology Department, emam ali Hospital, North khorasan University of Medical Sciences, Sabzevar, Iran. 2008- 2009

✓ Researcher, supervisor and judge in the research system of Sabzevar University of Medical Sciences

**RESEARCH FIELDS OF INTERESTS:**

✓ Research Field I: Medical Imaging

✓ Research Field II: Radiation Protection

✓ Research Field II: Neuroscience

**PUBLICATIONS:**

1. Ayatifard S, Pezeshkirad M, Amini M, Morovatdar N, Pirayesh Islamian J. Enhancing the Accuracy of Vascular Embolism Volumetry Using Medical Imaging Software. JBUMS. 2020; 22 (1) :195-202  
URL: <http://jbums.org/article-1-8875-fa.html>

2. SeiedehFatemeh Ayatifard; Mahnaz Amini; Masoud Pezeshkirad; Negar Moro vatdar; Jalil Pirayesh Islamian. [Feasibility of using Medical Imaging Interaction Toolkit in volumetric studies to accurate diagnosing of vascular emboli by Extended NURBS-based Cardiac-Torso phantom](https://ijmp.mums.ac.ir/article_13127.html). Volume 15, Special Issue-12th. Iranian Congress of Medical Physics, November and December 2018, Pages 438-438

URL: <https://dx.doi.org/10.22038/ijmp.2018.13127>

3. Ashraf Tavanaee Sani,1 Abolfazl Shakiba,1 Maryam Salehi,2 Hamid Reza Bahrami Taghanaki,3 Seiedeh Fatemeh Ayati Fard,4 and Kiarash Ghazvini5. Epidemiological Characterization of Drug Resistance among Mycobacterium tuberculosis Isolated from Patients in Northeast of Iran during 2012-2013

URL: <https://doi.org/10.1155/2015/747085>

**WORKSHOPS:**

* Participation in the workshop of art and creativity in education, new methods of education, Sabzevar University of Medical Sciences, July 11, 2016
* Participation in the teaching-learning process and clinical evaluation workshop at Sabzevar University of Medical Sciences, August 5, 2016
* Participating in the familiarization workshop with content production software (ispring, prezi), Sabzevar University of Medical Sciences, December 9, 2016
* Participation in the familiarization workshop with line story Articulate software, Sabzevar University of Medical Sciences, December 23, 2016
* Participation in scientific survey workshop, Sabzevar University of Medical Sciences, December 29, 2016
* Participation in the educational workshop "Knowledge research and educational design in the electronic learning environment" by the Center for Education Studies and Development with the teaching of Dr. Suleiman Ahmadi, Sabzevar University of Medical Sciences, October 27, 2016
* Participation in the educational workshop "Course planning with emphasis on needs assessment, writing goals and writing a lesson plan" by the Center for Studies and Development of Education, Sabzevar University of Medical Sciences, December 14 and 15, 2016
* Participation in the educational workshop "Theories of learning and effective teaching methods" by the Center for Studies and Development of Education, Sabzevar University of Medical Sciences, 5th and 6th of February 2016
* Participation in the educational workshop "Getting to know the third generation universities" Center for the Study and Development of Medical Education, sabzevar University of Medical Sciences, August 2, 2017
* Participation in the educational workshop "Educational Research Seminar" by the Center for the Study and Development of Medical Sciences Education, Sabzevar University of Medical Sciences, July 25, 2018
* Participation in the educational workshop "Meetings of professors of Sabzevar University " Sabzevar University of Medical Sciences, 2017, 2018, 2019, 2020, 2021

**CONFERENCE PARTICIPATION:**

* [Feasibility of using Medical Imaging Interaction Toolkit in volumetric studies to accurate diagnosing of vascular emboli by Extended NURBS-based Cardiac-Torso phantom](https://ijmp.mums.ac.ir/article_13127.html) SeiedehFatemeh Ayatifard; Mahnaz Amini; Masoud Pezeshkirad; Negar Moro vatdar; Jalil Pirayesh Islamian. 12th Iranian Congress of Medical Physics, Iran, Tehran 19-20 July 2018. (Poster presentation).

**EXPERIENCE:**

* **Software**:
  + ENDNOTE
  + Statistical analysis software (SPSS)
  + Microsoft office (Word, Power point, Excel)
  + MATLAB programming
  + MITK software
  + XCAT Phantom
  + ImageJ software
  + Xmedcon software
* **Scientific and Special Skills**:
* Radiologic & CT techniqes (General & specialized)
* Teaching