

#### Tabriz University of Medical Sciences (TUOMS) School of Medicine Curriculum Vitae

#### **Personal Data:**

First name: Babak

Last name: Mahmoudian

**Nationality: Iranian** 

Date of birth: 19.09.1970

Place of birth: Macoo

**Marital status: Married** 

Specialty: Nuclear Medicine, FEBNM

Academic rank: Assistant Professor

Department/Research Center: Radiology, Division of Nuclear Medicine

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*h*-index (Scopus): 10

**ORCID ID:** 

Scopus ID: 6508236800

**Researcher ID:** 

**ORCID**:



#### **Fields of interest**

Nuclear Cardiology, Nuclear Oncology

#### Skills: (language, software...)

Languages: Persian, English, Turkish (Azarish and Turkey).

Software: word, excel, powerpoint, e.soft,

#### **Educational Background:**

Date	Degree	Institution	Country
May 2019 – September 2019	Fellowship in PET/CT	Tehran University of Medical	IRAN
		Sciences	
Oct 2006	Fellowship in European Board in	European Association of	TURKEY
	Nuclear Medicine (FEBNM)	Nuclear Medicine	
Sept 2004 – Sept 2005	Iranian Board of Nuclear Medicine	Tehran University of Medical	IRAN
Sept 2004 Sept 2005		Sciences	nout
		Sciences	
October 1999 - December	Diploma of Specialist of Nuclear	University of Hacettepe,	TURKEY
2003	Medicine	Ankara	
Sep 1988-Sept 1995	Doctorate of Medicine	Tabriz University of Medical	IRAN
		Sciences	
Sep 1984 – Sep 1988	Diploma of Experimental Sciences	Shahid Mostafa	IRAN
3ch 1304 - 3ch 1309	Diploma of Experimental sciences		
		Khomeini(Mehr), Tabriz	

#### **Sabbaticals:**

Start and End Date	(month/year)	Details
	(moneny year)	Detuns

#### Thesis

Degree	Title
Specialist of Nuclear medicine	Detection of Silent Myocardial Ischemia with Tc-99m MIBI Gated SPECT in
	Hemodialysis Patients. Supervisor: Prof . Meltem Caglar.
	mcaglar@hacettepe.edu.tr
Doctorate of Medicine	Last Statistical Study of Humerus Fractures in Patients Hospitalized in
	Orthopedic Ward of Imam Hospital Over the Five Years (No: A/63 - 1 -
	June 20, 1995). Supervisor: Prof. Habib Mesbah.

# Educational experience Teaching

Date (month/year)	Course Name, Venue (Institution, Address)
Each month from June 2012	Essentials of Imaging in Nuclear Medicine, Students of medicine
	Faculty of Medicine, Tabriz University of Medical Sciences, Department of
	Radiology
Each month from June 2012	Essentials of Nuclear endocrinology, Students of medicine
	Faculty of Medicine, Tabriz University of Medical Sciences, Department of
	Radiology
Each month from June 2012	Essentials of Nuclear cardiology, Students of medicine
	Faculty of Medicine, Tabriz University of Medical Sciences, Department of
	Radiology
Each year from June 2012	Essentials of Nuclear cardiology, Residents of cardiology
	Faculty of Medicine, Tabriz University of Medical Sciences, Department of
	Radiology
Each year from June 2012	Essentials of Nuclear endocrinology, Fellowships of endocrinology
	Faculty of Medicine, Tabriz University of Medical Sciences, Department of
	Radiology

#### Workshop(s)

Date (month/year)	Course Name, Venue (Institution, Address)		
May 2014	Workshop of Brain PET/SPECT analysis. First Iranian Conference on Human Brain Mapping held by Shahid Beheshti University of Medical sciences, Tehran, IRAN		

#### Lecture(s)

Lecture(5)	
Date (month/year)	Details
August 2003	Detection of silent Myocardial Ischemia with 99mTc-MIBI SPET in
	Hemodialysis Patients: Relation with Cardiovascular Risk Factors. Annual
	congress of EANM, Amsterdam, Nederland
June 2005	Role of Tc-99m MIBI gated SPECT for the detection of silent myocardial
	ischemia in hemodialysis patients: Which patients are at risk?, 52nd annual
	meeting of society of nuclear medicine. Toronto, Canada
July 2010	Utilization of brain perfusion SPECT in post-traumatic anosmia. Babak
	Mahmoudian, CME of Rhinology, Tabriz, IRAN
November 2010	Effects of Enhanced External Counterpulsation on Myocardial Perfusion in
	Patients Unsuitable for Invasive Interventions. International Congress of
	Nuclear Medicine and National Congress of Iranian Society of Nuclear
	Medicine, Mashad, Iran
September 2011	Indications of PET/CT in Oncology. Babak Mahmoudian, 2nd International
	Scientific Congress of Azarbaijan Physnicians, Tabriz, IRAN
November 2012	Role of PET in prognosis and response to treatment in glial tumors. Babak
	Mahmoudian 3rd International Scientific Congress of Azarbaijan Physicians,
	Tabriz, Iran
November 2013	Imaging in Acute Stroke; Role of Brain Perfusion SPECT in Acute CVA. 6th
	National and first International Iranian Stroke Congress, Tabriz, IRAN
December 2013	Role of Captopril renal scan in diagnosis of renovascular hypertension. CME
	in renovascular hypertension held by Tabriz University of Medical Sciences,
	Tabriz, IRAN
February 2014	Role of Scintimammography in characterization of breast masses. CME in
	Imaging in Breast Cancer held by Tabriz University of Medical Sciences,
	Tabriz, IRAN
November 2014	Somatostatin Imaging in Lung Masses; Incremental Value of Co-registration
	of SPECT on Non-contrast Enhanced CT. 18 <sup>th</sup> Iranian Annual and 6 <sup>th</sup>

	International Congress of Nuclear Medicine, Tehran, Iran
December 2014	Essential of Imaging in Nuclear Medicine. CME in Familiarity with Medical
	Imaging Modalities held by Tabriz University of Medical Sciences, Tabriz,
	IRAN
October 2015	New advances in brain SPECT. International seminar: Advances in Neurology,
	Psychiatry and Radiology, held by Tabriz University of Medical Sciences,
	Tabriz, IRAN
19 February 2017	Role of Nuclear Medicine in Thyroid nodules. CME in Thyroid Nodules held
	by Endocrine Glands Research Center of Tabriz University of Medical
	Sciences, Tabriz, IRAN
25 February 2017	Clinical applications of static renal scan and radionuclide voiding
	cystourterography. CME in imaging and nuclear medicine applications in
	urology. East Azarbaijan branch of Urology Association, Kaya Hotel, Tabriz,
	IRAN
November 2018	Diagnostic Accuracy of offline lung perfusion SPECT/CT in Pulmonary
	Embolism, 22th Iranian Annual Congress of Nuclear Medicine, Yazd, Iran
2nd May 2019	Application of PET/CT in gastric cancer, CME in new advances in gastric
	cancer, Tabriz Valiasr (International) hospital, Tabriz, IRAN
9 <sup>th</sup> October 2019	SPECT and PET in Parkinson's disease, 4th Prof. Alavi International Meeting,
	Tabriz University of Medical Sciences, Tabriz, IRAN
3 <sup>rd</sup> November 2019	PET/CT in cancer of cardia, CME in New advances in diagnosis and treatment
	of cancer of cardia, Kaya hotel, Tabriz, IRAN

## **Research Activities:**

#### **Research areas, Interests**

Nuclear Cardiology, Nuclear Oncology

#### **Books:**

Ν	Title	authors	Publisher	Authorship/ Translation/

#### Selected articles:

		Γ		Г	Looks and the
Ν	Title	Authors	Journal	Year	Indexed in
					(Scopus,
					Medline, WOS,
					)
1	Soft Tissue Uptake of Bone Radiopharmaceuticals	Tuncel M, Erbaş B,	Seminars in Nuclear	2003 Oct; 33(4):334-7	ISI, Scopus,
		Mahmoudian B	Medicine		PubMed,
					Embase
2	Selected intra-arterial injection of Tc-99m MDP	Mahmoudian B, Ozgen Kiratli	Rev Esp Med Nucl	2004 Jul-Aug;	ISI, Scopus,
		P, Tuncel M, Bozkurt F.		23(4):284-5	PubMed,
					Embase
3	Value of Tc- 99m methoxyisobutylisonitrile gated	Meltem Caglar, <b>Babak</b>	Nucl Med Commun	2006 Jan; 27(1):61-9	ISI, Scopus,
	SPECT for the detection of silent myocardial	Mahmoudian, Kudret Aytemir,			PubMed,
	ischemia in hemodialysis patients: clinical variables	Serkan Kahraman, Mustafa			Embase
	associated with abnormal test results	Arici, Giray Kabakci and Erdem			
		Karabulut			
4	Behcet Disease With an Intrapulmonary Shunt	Murat Tuncel; Pinar Ozgen	Clinical Nuclear	2006 March;	ISI, Scopus,
		Kiratli; <b>Babak Mahmoudian</b>	Medicine	31(3):181-182	PubMed,

					Embase
5	A comparative study of lung masses with Tc-99m	Oskoei SD, Mahmoudian B.	Pak J Biol Sci	2007 Jan 15;	Scopus,
	Sestamibi and pathology results			10(2):225-9.	PubMed
6	McCune-Albright syndrome associated with	Pelin Ozcan-Kara, <b>Babak</b>	European Journal of	2007	ISI, Scopus,
	acromegaly and bipolar affective disorder	Mahmoudian, Belkis Erbas,	Internal Medicine	18; 600–602	PubMed,
		Tomris Erbas			Embase
7	Single Tc99m Sestamibi injection, double	Fallahi B, Beiki D,	Int J Cardiovasc	2008 Dec;	ISI, Scopus,
	acquisition gated SPECT after stress and during	Gholamrezanezhad A,	Imaging	24(8):825-35. Epub	PubMed,
	low-dose dobutamine infusion: a new suggested	Mahmoudian B, Ansari Gilani		2008 Jun 18.	Embase
	protocol for evaluation of myocardial perfusion	K, Eftekhari M, Fard-Esfahani			
		A, Mohseni Z, Saghari M.			
8	Evaluation of Serumal Levels of AST, ALT, Total	Bahram Amouoghli Tabrizi,	International Journal	2012;	Google Scholar
	Bilirubin, Glucose, Urea and Creatinin in Mice after	Meisam Naeimi Kararoudi and	of Animal and	4(1): 68-70	
	Administration of Tc-99m MIBI	Babak Mahmoudian.	Veterinary Advances		
9	Therapeutic effects of Enhanced External Counter	Fariba Eslamian, Naser	Int J Med Sci Public	2013;	Index
	Pulsation (EECP) on clinical symptoms,	Aslanabadi, <b>Babak</b>	Health.	2(2): 187-195	Copernicus
	echocardiographic measurements, perfusion scan	Mahmoudian, Seyyed Kazem			
	parameters and exercise tolerance test in coronary	Shakouri.			
	artery disease patients with refractory angina.				
10	Comparison of different cleaning procedures of	Parnia F, Hafezeqoran A,	Implant Dent	2013 Dec; 22(6):627-	ISI, Scopus,
	implant drills using Tc-99m	Mahmoudian B, Saati E,		30	PubMed
		Moslehifard E, Koodaryan R,			
		Mahboub F.			
11	Scintigraphic evaluation of abomasal emptying rate	Fartashvand M, Assadnassab	Iranian Journal of	2014;	ISI, Web of
	in neonatal suckling lambs.	Gh, Mahmoudian B, Mohseni	Veterinary Research	15(2): 172-175	Science
		M, Afsharfarnia S			
12	Intrathoracic Splenosis; A rare false positive cause	Babak Mahmoudian, Reza	Clinical Nuclear	2015 Feb;	ISI, Scopus,
	of somatostatin imaging in characterization of	Javadrashid, Ashraf Fakhrjoo.	medicine	40(2): 138-140	PubMed,
	solitary pulmonary nodule	Interesting Image			Embase
13	Advances in Pinhole and Multi-Pinhole Collimators	Jalil Pirayesh Islamian,	World J Nucl Med	2015 Jan-Apr;14(1):3-	PubMed
	for Single Photon Emission Computed Tomography	AhmadReza Azazrm <b>, Babak</b>		9	
	Imaging	Mahmoudian, Esmail			
		Gharapapagh			
14	Advances in SPECT for Optimizing the Liver Tumors	Roshan HR, Azarm A,	World J Nucl Med	2015 May-Aug;	PubMed
	Radioembolization Using Yttrium-90 Microspheres	Mahmoudian B, Islamian JP		14(2):75-80	
15	Development of Scintillators in Nuclear Medicine	Khoshakhlagh M, Islamian JP,	World J Nucl Med	2015 Sep-Dec;	PubMed
		Abedi SM, Mahmoudian B		14(3):156-9	
16	The Effect of Parallel-hole Collimator Material on	Azarm A, Islamian JP,	World J Nucl Med	2015 Sep-Dec;	PubMed
	Image and Functional Parameters in SPECT	Mahmoudian B, Gharepapagh		14(3):160-4	
	Imaging: A SIMIND Monte Carlo Study				
17	A Study on Determination of an Optimized	Khoshakhlagh M, Islamian JP,	World J Nucl Med	2016 Jan-Apr;	PubMed
	Detector for Single Photon Emission Computed	Abedi M, Mahmoudian B,		15(1):12-7	
	Tomography	Mardanshahi AR			
18	Collimator and energy window optimization for <sup>90</sup> Y	Roshan HR, Mahmoudian B,	Appl Radiat Isot	2016 Feb; 108:124-8	ISI, Scopus,
	bremsstrahlung SPECT imaging: A SIMIND Monte	Gharepapagh E, Azarm A,			PubMed,
	Carlo study	Islamian JP			Embase
19	RET Gene Analysis in Patients with Medullary	Kheiroddin P, Rasihashemi SZ,	Clin Lab	2016;	ISI, Scopus,
	Thyroid Carcinoma	Estiar MA, <b>Mahmudian B,</b>		62(5):871-6	PubMed,
		Halimi M, Mousavi F, Nemati			Embase

		M, Sakhinia E			
20	Bone and Lung Metastasis of Papillary Thyroid	Aghamohammadzadeh N,	Int.J.Curr.Res.Aca.Rev	2016;	Chemical
	Carcinoma in 64-Year Old Man	Najafipour F, Mahmoudian B,		4(10): 166-172	Abstract - CAS
		Pourlak T and Najafipour M			
21	A Monte Carlo study for optimizing the detector of	Khoshakhlagh M, Pirayesh	Nucl Med Rev Cent	2017;	PubMed
	SPECT imaging using a XCAT human phantom	Islamian J, Abedi SM,	East Eur	20(1):10-14	
		Mahmoudian B, Shayesteh			
		Azar M			
22	Cadmium Telluride Semiconductor Detector for	Abbaspour S, Mahmoudian B,	World J Nucl Med	2017 Apr-Jun;	PubMed
	Improved Spatial and Energy Resolution	Islamian JP		16(2):101-107	
	Radioisotopic Imaging				
23	A study on differentiation of extra-cardiac activity	Parvaneh Darkhor, <b>Babak</b>	Iran J Nucl Med	2018;	SCOPUS, Web
25	by Slit Slat collimation in Single Photon Emission	Mahmoudian, Esmaeil		26(1):22-29	of Science
	Computed Tomography	Gharepapagh, Seyed Rasoul		20(1).22-23	(ESCI), EMBASE,
		Zakavi, Jalil Pirayesh Islamian			EBSCO, ISC,
		Zakavi, Jalli Pirayesii Islaillali			
					Index
					Copernicus,
					IMEMR,
					SID,Google
					Scholar,
					IranMedex,
					Magiran
24	A study on drug delivery tracing with radiolabeled	Mahdiyeh Shamsi, Jafar Majidi	Nuclear Medicine	2018;	ISI (ESCI),
	mesoporous hydroxyapatite nanoparticles	Zolbanin, Babak Mahmoudian,	Review	21(1): 32–36	Scopus,
	conjugated with 2DG/DOX for breast tumor cells	Naime Majidi Zolbanin, Leili			PubMed,
		Aghebati Maleki, Mohammad			Embase, DOAJ
		Asghari Jafarabadi, Jalil			
		Pirayesh Islamian			
25	A Monte Carlo study on the performance	Samira Abbaspour, Kaveh	Applied Radiation	2018;	ISI, Scopus,
	evaluation of a parallel hole collimator for a	Tanha, <b>Babak Mahmoudian</b> ,	and Isotopes	139: 53–60	PubMed,
	HiReSPECT: A dedicated small-animal SPECT	Majid Assadi, Jalil Pirayesh			Embase
		Islamian			
26	Value of early rest myocardial perfusion imaging	Mohammadreza Taban	The international	2019 Jan;	ISI, Scopus,
	with SPECT in patients with chest pain and non-	Sadeghi, Babak Mahmoudian,	journal of	35 (5): 965-971	PubMed,
	diagnostic ECG in emergency department	Samad Ghaffari, Payman	cardiovascular		Embase J
		Moharamzadeh, Alireza Ala,	imaging		
		Leili Pourafkari, Shahla			
		Gureishi, Neda Roshanravan,			
		Somayeh Abolhasani,			
		Mahboub Pouraghaei			
27	Evaluation of the Incidence of Chronic	Farid Rashidi, Rezayat Parvizi,	Lung	2020 Feb; 198(1):59-	ISI, Scopus,
	Thromboembolic Pulmonary Hypertension 1 Year	Eisa Bilejani, <b>Babak</b>		64	PubMed,
	After First Episode of Acute Pulmonary Embolism:	Mahmoodian, Fatemeh			Embase
	A Cohort Study	Rahimi, Ata Koohi			
28	Diagnostic value of Sestamibi Scan in the	B Mahmoudian, M	Journal of Research	2020/12/6;	
	preoperative localization of parathyroid lesions in	Tootoonchian, A Bahrami, Z	in Clinical Medicine	8 (1), 47-47	
	patients with primary hyperparathyroidism.	Khamnian			
	1	1	I	I	<u> </u>

29	Effects of parenteral administration of tylosin and	Sajjad Afsharfarnia, Mojtaba	Research in	2021/1/1;
	ivermectin on abomasal emptying rate in healthy	Mohseni, Majid Fartashvand,	Veterinary Science	134,181-185
	suckling lambs by use of nuclear scintigraphy	Gholamreza Assadnassab,		
		Babak Mahmoudian		
30	Diagnostic evaluation of 99mTc-TRODAT-1 SPECT in	Zahra Babaei Aghdam, Safa	Journal of Research	2021/11/29
	parkinsonism	Najmi Tabrizi, Amin Arasteh,	in Clinical Medicine	9(1) 36
		Mohammad Khalafi, Morteza		
		Ghojazadeh, <b>Babak</b>		
		Mahmoudian		
31	Imaging modalities in differential diagnosis of	Tohid Mortezazadeh, Hadi	Egyptian Journal of	2021/12
	Parkinson's disease: opportunities and challenges	Seyedarabi, <b>Babak</b>	Radiology and	52,1-12
		Mahmoudian, Jalil Pirayesh	Nuclear Medicine	
		Islamian		
32	Outcome of surgery for chronic thromboembolic	Farid Rashidi, Rezayat Parvizi,	The Thoracic and	2022/2/2
	pulmonary disease without pulmonary	Eisa Bilejani, <b>Babak</b>	Cardiovascular	70(08),658-662
	hypertension	Mahmoudian, Ata Koohi	Surgeon	
33	A SIMIND Monte Carlo Simulation Study on CdTe	Samira Abbaspour, <b>Babak</b>	Frontiers in	2022/8/30
	and NaI (TI) Thickness as Detectors of a Small	Mahmoudian, Seyed Rasoul	Biomedical	Vol. 9, No. 4 (Autumn
	Animal SPECT System	Zakavi, Jalil Pirayesh Islamian	Technologies	2022) 307-315
34	Single-Center Experience of Pulmonary	Rezayat Parvizi, Eisa Bilehjani,	The Thoracic and	2023/1/19
	Endarterectomy for Chronic Thromboembolic	Babak Mahmoudian, Ata	Cardiovascular	
	Pulmonary Hypertension: The Results from the	Koohi, Hooriah Shojaan, Khalil	Surgeon	
	Tabriz University Medical Sciences (TUMS) CTEPH	Ansarin, Farid Rashidi		
	Program			
35	Improvement of Basal Ganglia Detectability in	Marzie Saeidikia, Hadi	Frontiers in	2023/5/30
	Brain Single Photon Emission Computerized	Seyedarabi, <b>Babak</b>	Biomedical	Vol. 11, No. 2 (Spring
	Tomography by Wavelet Transformation in Image	Mahmoudian, Jalil Pirayesh	Technologies	2024)
	Processing Domain: A XCAT Phantom Study	Islamian		

#### **Research projects:**

Ν	Title	Details			
1	A Study on optimizing the collimator of single photon emission computed tomography.	Supervisor of Ahmadreza Azarm for degree of master of			
		sciences in medical physic, Mars 2015			
2	A study on determination of an optimized detector for single photon emission computed	Consultant of Mohammad Khoshakhlag for degree of master			
	tomography.	of sciences in medical physic. Mars 2015			
3	A study on optimizing of the medium energy collimator for quantitative imaging with 90Y in	Consultant of Hoda Rezaei Roshan for degree of master of			
	SPECT imaging	sciences in medical physic. November 2015			
4	A Study on the targeted uptaking of Tc-99m Radiolabeled 2DG/DOX conjugated	Consultant of Mahdieh Shamsi for degree of master of			
	nanoparticles in breast tumor cells for SPECT imaging	sciences in medical physic. January 2017			
5	Evaluation the sensitivity and spatial resolution of image using semiconductor CdTe detector	Consultant of Samira Abbaspour for degree of master of			
	in single photon emission computed tomography imaging	sciences in medical physic. January 2017			
6	Evaluating of a suitable hole angle in slit slat collimator to differentiate lower heart activity	Consultant of Parvaneh Darkhor for degree of master of			
	from sub-diaphragmatic organs in single photon emission computed tomography	sciences in medical physic. November 2017			
7	Evaluation of diagnostic value of fused Tc-99m TRODAT-1 SPECT on MRI in differentiation of	Supervisor for doctorate thesis for MD degree, held by Zahra			
	parkinsonism	Babaei Aghdam, Student of Medicine, 1397/05/07			
8	The diagnostic accuracy of TC99m-EDDA/HYNIC-TOC scintigraphy in differential diagnosis of	Supervisor of Dr Roya Mashayekhi, MD, for degree of			
	undifferentiated pulmonary nodule	specialist of Radiology 1398/03/07			
9	Improvement of basal ganglia detectability in NCAT Phantom Brain SPECT by wavelet	Consultant of Marziyeh Saeidi Kia for degree of master of			
	Transformation in Image	sciences in medical physic 1398/03/12			
10	Evaluation of diagnostic accuracy of Sest-amibi Scan for preoperative localization of affected	Supervisor of Dr Mitra Tootoonchian, MD, for degree of			
	parathyroid gland in patients with primary hyperparathyroidism	specialist of Internal Medicine 1398/07/09			

 11	Prevalence of Cardiac Amyloidosis in Patients with Aortic Valve stenosis by strain	Supervisor of Dr Samira Jafari Sis, MD, for degree of specialist
	echocardiography	of cardiology 1398/08/08
12	Diagnostic Accuracy of Offline Lung Perfusion SPECT/CT in Diagnosis of Pulmonary Embolism	Supervisor for doctorate thesis for MD degree, held by Hesam
		Arianpour, Student of Medicine, 1398/09/23
13	Evaluation on the effect of Wolfmet collimator on the detectability of SPECT imaging system	Consultant of Maryam Daremi for degree of master of
		sciences in medical physic. 1399/02/07
14	Evaluation the diagnostic value of Tc-99m MIBI SPECT in differentiation of brain masses	Supervisor for doctorate thesis for MD degree, held by Shahin
		Talaei, Student of Medicine, 1399/02/15
15	Determination of the first site of spine involvement in vertebral column metastases with	Consultant of Dr Ali Sadin, MD, for degree of specialist of
	MRI	Radiology. 1399/02/15
16	Diagnostic value of low dose dobutamine gated SPECT in detection of myocardial viability	Supervisor for doctorate thesis for MD degree, held by Safa
	and short-term prognosis following CABG in heart failure patients	Mohammad Ghasem Nejad, Student of Medicine, 1399/05/22

## **Positions held: (past- current)**

Start and End Date	Job Title, Responsibilities and achievements
1 October 2007 till now	Founder and technical responsible of Tabriz Gamma Scan, Nuclear Medicine Center,
	Tabriz, IRAN
4 June 2016 till now	Technical Responsibility of Division of Nuclear Medicine of Imam Reza Hospital of Medical
	Faculty of Tabriz University of Medical Sciences

#### **Association Memberships (past and current)**

Start and End Date	Job Title, Responsibilities and achievements	
October 1995 is continued	Member of Iranian Medical Council	
Oct 2000 is continued	Member of European Association of Nuclear Medicine	
Oct 2000 till Oct 2006	Member of Turkish Society of Nuclear Medicine	
October 2004 is continued	Member of Iranian Society of Nuclear Medicine	
May 2017 is continued	Member of "Radiation Sciences Research Team" of Tabriz University of Medical Sciences	

## **Awards and Recognitions**

Start and End Date	Details
May 2013 – Dec 2013	First rank of national research publication in prosthetic dentistry, during 13th annual dental
	symposium in the memory of martyr Ahmad Hedayat held in Tehran at 8 May 2014 titled:
	Comparison of different cleaning procedures of implant drills using Tc-99m Pertechnetate.
	Parnia F, Hafezeqoran A, <b>Mahmoudian B</b> , Saati E, Moslehifard E, Koodaryan R, Mahboub F.
	Implant Dent. 2013 Dec;22(6):627-30