

In the Name of God
Ministry of Health, Treatment and Medical Education
National Research Center of Medical Sciences
Iran Medical Researchers Directory
CURRICULUM VITAE



Personal Information:

Name: Seyed Rasoul Zakavi

Qualification: Associate professor of nuclear medicine

Sex: Male

Marital status: Married

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University Education:

Level	Description	University	Years	Thesis
M.D	General practitioner	Tehran University	1985-1992	The Value of parathyroid scintigraphy in localization of Parathyroid adenoma.
Nuclear Medicine	Board of Nuclear medicine	Tehran University	1992-1995	Sensitivity of Tl/Tc and two phased Tc-MIBI in localization of parathyroid adenoma (A prospective study in patients with hyperparathyroidism)

Honors and distinctions:

Title	Reference	Year
Preferred Research project	3 rd Ferdousi Festival	2001
Best poster presentation	British meeting of nuclear medicine	2003
Best Nuclear physician	Iranian medical council and Iranian society of nuclear medicine	2004

Major professional services:

Title	Place	Duration
Assistant professor of nuclear medicine	Mashad University of medical sciences	1996-2004
Associate professor of nuclear medicine	Mashad University of medical sciences	2005-

Major administrative responsibilities:

Title	Place	Duration
Director, Nuclear Medicine Department	Imam Reza Hospital, Mashad University of Medical Sciences	From 1999 up to now
Administrative committee member	Iranian Society of nuclear medicine	From 2002 up to now
Board member (Nuclear medicine)	Health ministry	From 2006 up to now
Administrative committee member	Committee for strategic planning	From 2006 up to now

Memberships:

Title	Place	Duration
Iranian Society of Nuclear Medicine	Iran	From 1998
American Society of nuclear Medicine	USA	1995
Asia and pacific society of nuclear cardiology	Singapore	From 2002
European society of nuclear medicine	Austria	From 2003
Asia and Oceania federation of Nuclear Medicine and biology	Bejing	From 2003

Scientific Experiences:

Subject	Place	Year
Secretary of the 6th annual meeting of Nuclear Medicine in Iran	Mashad ,Iran	2002
Editorial board, Iranian journal of nuclear medicine	Tehran,Iran	From 2003
Editorial board, Hellenic journal of nuclear medicine	Thessalloniki, Greece	From 2003

Teaching Experiences:

Subject	Place	Year
Nuclear medicine techniques for Radiology students	Mashad University of medical sciences (MUMS)	From 1996 up to now
Nuclear Medicine for medical students	MUMS	From 1996 up to now
Nuclear Endocrinology for Endocrinologists	MUMS	From 2001 up to now
Nuclear Nephrourology for Nephrologists	MUMS	From 2001 up to 2006
Nuclear Cardiology for Cardiologist	MUMS	From 2001 up to now
Nuclear Medicine For radiology residents	MUMS	From 2006 up to now

Work Experience:

Subject	Place	Duration
Nuclear Thyroidology	Ghaem Hospital-Mashad	1995-now
General Nuclear Medicine	Imam Reza Hospital-Mashad	1997-now
Nuclear Cardiology	Imam Reza Hospital	1998-now

Publications:

A. Papers:

Authors	Title	Year	Journal	Issue No.	Pages	Keywords
M.Saghari, S.R.Zakavi,	A case presentation of Parathyroid adenoma and papillary carcinoma of the thyroid	1995	Iranian Journal of Nuclear Medicine	2	60-63	Parathyroid Adenoma, Thyroid Carcinoma
S.R.Zakavi, M.Saghari	Sensitivity and Specificity of thallium-Technetium subtraction scan in localization of the parathyroid adenoma	1995	Iranian Journal of Nuclear Medicine	3	2-7	Tl-Tc Subtraction, Parathyroid adenoma
S.R.Zakavi, Z.Mousavi	Effect of Multiple Factors on success rate of high dose radioiodine therapy(>150ugr I/gr) in 164 patients with hyperthyroidism	2000	Iranian Journal of Nuclear Medicine	12-13	48-53	Hyperthyroidism Iodine-131
Z.Mousavi, S.R.Zakavi	The optimal time of discontinuing methimazole before radioiodine therapy	2001	Iranian Journal of Nuclear Medicine	14-15	29-32	Methimazole, Hyperthyroidism, RAIU
S.R.Zakavi, M.Momennezhad, K.Soleymani	Optimization of Gate's techniques for Measurement of GFR during routine renal scan	2001	Iranian Journal of Nuclear Medicine	16-17	25-29	GFR, Gate's Technique, Tc-99m-DTPA, Renal scan

Z.Mousavi, S.R.Zakavi, H.Rezaei, M.Mehrabi Bahar	Comparison of thyroid examination, thyroid scanning and sonography in patients with previous history of radiotherapy for Tinea Capitis	2002	Iranian Journal of Nuclear Medicine	18	21-27	Head and neck irradiation, thyroid sonography, thyroid scan,
Z.Mousavi , S.R.Zakavi , N.R.Farid	Hashimoto's thyroiditis presenting as single hot nodule and hypothyroidism	2002	J. Endocrinol Invest.	25	643- 645	Hashimoto 's thyroiditi s, Hot nodule , Hypothyro idism
S.R.ZAKAVI, Z.Mousavi, H.Rezaei ,M.Mehrabi Bahar	Prevalance of Benign and Malignant thyroid nodules in patients with previous history of radiotherapy for Tinea Capitis in childhood.	2002	Iranian Journal of Endocrinology and Metabolism	3	161- 164	Thyroid nodules, Thyroid neoplasms , Head and neck radiation
S.R.Zakavi, Z.Mousavi, H.Rezaei- Deluei, M.Mehrabi, J.Farahati	Inverse association between age at the time of radiation and the size of thyroid- incidentaloma in cases with history of radiotherapy for Tinea capitis	2003	Schilddrüse (German thyroid year book)		207- 209	
Z.Moosavi, S.R.Zakavi	Response to High Dose Radioiodine Therapy in 164 Hyperthyroid Patients in Different Time Intervals	2002	Medical Journal of Mashad University of Medical Sciences	78	65-70	Hyperthyr oidism , I-131

S.R.Zakavi	Nuclear cardiology in Iran	2003	Iranian Journal of nuclear medicine	21	73-77	Cardiology, Iran
M.Tafaghodi, S.A.Sajaditabassi, M.Jaafari, S.R.Zakavi, M.Momennezhad	Evaluation of clearance characteristics of various microspheres in human nose by gamma-scintigraphy	2004	International Journal of Pharmaceutics	280	125-135	Mucillary clearance; Microspheres; Aliginate; PLGA; Sephadex; Gamma-scintigraphy
V.R.Dabbagh, S.R.Zakavi, H.Jabbari	Prediction of left ventricular ejection fraction using cavity to myocardium count ratio and perfusion scores in myocardial perfusion SPECT	2004	Hellenic journal of nuclear medicine Hell J Nucl Med 2004, (7) 2: 127-130	7	127-130	Myocardial perfusion SPECT, Ejection fraction, cavity to myocardial count
Zakavi,SR, Mehrabi,M, Haddadi,K	Evaluation of value of Breast scintigraphy with Tc-99m-MIBI in differential diagnosis of breast tumors.	2004	Medical Journal of Mashad University of Medical Sciences	84	136-141	Breast tumors, Tc-99m-MIBI
Zakavi,S.R.Mousavi,Z., Mehrabi,M., Forghani,N	Value of thyroid scan with Tc-99m-MIBI in patients candidate for thyroid surgery	2004	Iranian Journal of Nuclear Medicine	22	43-48	Thyroid nodule, Tc-99m-MIBI, Thyroid neoplasm
R.Zakavi, Z.Mousavi, N.R.Farid	Thyroglobulin increment after thyroid hormone withdrawal is a reliable indicator for the detection of significant remnants or metastases in patients with differentiated thyroid carcinoma	2004	Hell J Nucl Med 2004, (7) 3: 199-202	7	199-202	Thyroid cancer, Thyroglobulin

Zakavi, S.R., Pourzahed Z., Derakhshan A.	Assessment of general practitioner's knowledge of clinical applications of nuclear medicine.	2004	Journal of medical education	5	55-57	Knowledge, medical student, Nuclear medicine
Zakavi, S.R.	Subspecialties in nuclear medicine; a requirement	2005	Hell J Nucl Med 2005, 8 (1): 60-61	8	60-61	
S.Hosseini-farahabady, R.Farid-hosseini, H.Vossoghini a, R.Zakavi	Therapeutic effects of Helicobacter Pylori (HP) eradication on Idiopathic Chronic Urticaria (ICU)	2004	Immunology 2004, Medimond International proceedings		479-483	
S.R.Zakavi, M.Hajizadeh, A.Zonoozi, M.Momennezhad, K.Ariana, V.R.Dabagh Kakhki	Assessment of simulated patient motion and its effect on myocardial perfusion SPECT using two reconstruction methods (Filtered Backprojection; FBP and Ordered Subset Expectation Maximization; OSEM).	2005	Iranian Journal Of Nuclear Medicine	23	32-37	
VR.Dabagh Kakhki, S.R.Zakavi	Age related normal variants of sternal uptake on bone scintigraphy	2006	Clin Nucl Med	31	63-67	Bone scintigraphy. Sternal um, Angle of Luois, Normal Varients, aging
S.R.Zakavi, A.Ta ghizadeh Kermani, K.Aryana, M.Taherpour	Complications after Dipyridamole infusion in myocardial perfusion SPECT and correlation with hemodynamic changes.	2006	Iranian Journal of Nuclear Medicine	25	33-39	Dypiridam ole, Drug complicat ions, Blood pressure changes
V.R.Dabagh Kakhki, M.Ebrahimi Rad, S.R.Zakavi, M.Hoseynion	Diuretic effect on the measurement of differential renal function using Tc-99m-DMSA in patients with hydronephrosis.	2006	Iranian Journal of Nuclear Medicine	25	28-32	Diuretic renograph y, Tc-99m-DMSA, Different ial renal function

Kakhki VD, Zakavi SR, Sadeghi R, Yousefi A,	Importance of Gated Imaging in Both Phases of Myocardial Perfusion SPECT: Myocardial Stunning After Dipyridamole Infusion.	2006	J Nucl Med Technol	34	88-91	Dipyridamole, Stunning, SPECT
Kakhki VD, Zakavi SR, Bakhtiari H	Effect of Patient Positioning on Left ventricular volumes and Function During Gated Tc-99m Sestamibi myocardial perfusion SPECT: Comparison between the results obtained in Prone and Supine positions.	2006	World Journal of Nuclear Medicine	5	9-12	<i>Tc-99m Sestamibi, gated SPECT, prone position, supine position, left ventricular volume, heart rate</i>
Zakavi,SR. Zonoozi A, Dabbagh Kakhki VR, Hajizadeh M, Momennezhad M, Ariana K.	Effect of image reconstruction using filtered backprojection and iterative method on motion artifacts in myocardial perfusion SPECT	2006	Journal of Nuclear Medicine technology	34	220-223	myocardial perfusion SPECT; motion artifacts; OSEM reconstruction; filtered backprojection reconstruction
Zakavi SR. Dabbagh Kakhki VR.	Exercise induced radio-iodine accumulation in scalp and hair during admission for ¹³¹ I therapy of thyroid cancer	2006	Thyroid	11	1185-1186`	
Zakavi,S,R,	How we should image liver hemangioma?	2006	Hell J Nucl Med	9	187	
V.R.D Kakhki, S.R.Zakavi, R.Sadeghi	Comparison of two software in gated myocardial perfusion single photon emission tomography, for the measurement of left ventricular volumes and ejection fraction , in patients with and without perfusion defects	2007	Hell J Nucl Med	10	19-23	

V.R.D Kakhki, S.R.Zakavi, R.Sadeghi	Comparison of two software in gated myocardial perfusion single photon emission tomography, for the measurement of left ventricular volumes and ejection fraction , in patients with and without perfusion defects.	2007	Hell J Nucl Med	10 (1)	19-23	
Ramin Sadeghi, Vahidreza Dabbagh Kakhki, Rasoul Zakavi	Dramatic Movement of a Meckel's Diverticulum on Tc-99m Per technetate Imaging	2007	Clin Nucl Med	32 (6)	460-461	Tc-99m-per technetate imaging, Meckel's Diverticulum, Gastrointestinal bleeding
V.R.D Kakhki, R.Sadeghi, S.R.Zakavi	Assessment of transient left ventricular dilation ratio via 2 day dipyridamole 99mTc-Sestamibi non-gated myocardial perfusion imaging.	2007	J Nucl Cardiol	14 (4)	529-536	<u>Transient ischemic dilation, myocardial perfusion single photon emission computed tomography, dipyridamole, ischemia</u>
SH.Oloumi, H.Rajabi, S.R.Zakavi, E.Hajizadeh, H.Ghiasi.	Quantitative assessment of conventional and modern De-Noising on Nuclear Medicine Images	2006	Iranian Journal of Medical Physics	3 (10)	35-44	<i>Wavelet Transforms , Filtration, Noise reduction, Nuclear Medicine</i>
Danesh S.H, Zakavi R, Afzalnia S, Taherpour M, Abbaszadeh M	Comparison of left ventricular ejection fraction and ventricular volume in echocardiography and nuclear myocardial perfusion scan	2007	Journal of Mashad University of medical Sciences	50 (95)	5-10	<i>Radionuclide scan, Gated SPECT, Trans thoracic echocardiography</i>

C. Abstracts (in journals):

Authors	Title	Year	Journal	Issue No.	Pages	Keywords
S.R.ZAKAVI , Z.MOUSA VI	Hot nodule and Hypothyroidism suggest Hashimoto's thyroiditis	2000	Turkish Journal of Nuclear Medicine.	3	129	Hashimoto's thyroiditis ,Hot nodule
S.R.ZAKAVI ,K.ARYANA	Differential renal function: A comparative study of DTPA and DMSA renal scan	2001	European Journal of Nuclear Medicine	28/8	1105	DRF ,DTPA , DMSA, RENAL SCAN
S.R.ZAKAVI ,M.MOMENNEZHAD	Optimization of Gate's technique for simultaneous renal scan and GFR measurement	2001	European Journal of Nuclear Medicine	28/8	1106	
S.R.ZAKAVI	Nuclear Cardiology in Iran	2003	European journal of nuclear medicine	30/2	S268	
S.R.Zakavi , M.Taherpour	Complications after Presantin infusion in Myocardial Perfusion SPECT and correlation with hemodynamic changes.	2003	European Journal of nuclear Medicine	30/2	S248	
S.R.Zakavi , Z.Mousavi J.Farahati	Inverse association between age at radiation and the size of thyroid-incidentaloma in cases with history of radiotherapy for Tinea capitis	2003	Thyroid	13/7	639	

<i>S.R.Zakavi Momennezhad M.Zonoozi,A Dabagh,V, Hajizade,M. ,</i>	Effect of time, axis and type of the simulated patient motion on myocardial perfusion SPECT using filtered backprojection and iterative reconstruction methods.	2004	European Journal of nuclear Medicine	31/2	P106	
<i>S.Hosseini-FARAHABADI, R.Farid-Hosseini, H.Vossoghnia, R.Zakavi</i>	Therapeutic Effect of Helicobacter Pylori (HP) eradication on Idiopathic chronic Urticaria (ICU)	2004	Immunology 2004, International proceedings		479-483	
<i>S.R.Zakavi, VR.Dabbagh Kakhki</i>	Prediction of LVEF using cavity to myocardium count ratio and perfusion scores in myocardial perfusion SPECT.	2005	Journal of Nuclear Cardiology			
<i>S.R.Zakavi, Z.Mousavi, M.Mehrabi, N.Forghani.</i>	Evaluation of thyroid scan with Tc-99m-MIBI in selected patients candidate for thyroid surgery	2005	Thyroid			
<i>Zakavi,SR, Joukar M, Dabbagh VR, Khazaei Gh,</i>	Prognostic evaluation of myocardial perfusion scintigraphy in patients with systemic lupus erythematosus(SLE), admitted in the hospital for noncardiac problems.	2006	World Journal of Nuclear Medicine			

Conference Presentations:

Subject	Place	Year
Management of patients with thyroid cancer	Mashad- Iran	1996-1997-1998-1999
Clinical applications of nuclear medicine.	Mashad-Iran	1997-1998
Myocardial perfusion SPECT	Mashad -Iran	1999

Nuclear medicine in pediatric renal infections	Mashad -Iran	1999
Four researches on Nuclear thyroidology	Tehran-Iran	1999
Effect of different factors on success rate of high dose radioiodine therapy of hyperthyroidism.	Hurgada-Egypt	2000
Nuclear medicine in GI tract	Mashad -Iran	2000
Three researches in nuclear nephrology	Tehran-Iran	2000
Gated Myocardial Perfusion SPECT	Tehran -Iran	2001
Nuclear Medicine in diagnosis of Avascular necrosis in skeletal system	Mashad -Iran	2001
Nuclear medicine in patients with trauma	Mashad- Iran	2001
Nuclear Cardiology in developing countries of west asia	Beijing - China	2002
How to buy a Gamma camera?	Mashad -Iran	2002
Nuclear cardiology in Iran	Mashad- Iran	2002
Myocardial Viability	Shahrood-Iran	2003
Medical response in a nuclear casualty.	Mashad-Iran	2002 , 2003
Myocardial perfusion SPECT	Tehran-Iran (7 th Iranian nuclear Medicine meeting)	2003
Nuclear Medicine in GU tumors.	Mashad-Iran	2004
Thyroglobulin in thyroid cancer	Tehran-Iran	2004
Thyroglobulin increment is a more reliable indicator of remnant or metastasis in thyroid carcinoma	Beijing-China	2004
Thyroid Cancer Staging.	Tehran-Iran	2006
Prognostic evaluation of myocardial perfusion scintigraphy in patients with systemic lupus erythematosus(SLE), admitted in the hospital for noncardiac problems.	Seoul-Korea	2006

Research Interests:

Interest Item
Thyroidology-Nuclear Cardiology(Coronary artery disease)- Nuclear nephrourology-Radiation effects-