

School of Medicine, Shiraz University of Medical sciences, Shiraz,
Iran

Curriculum vitae

Mehrossadat Alavi, MD



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Personal Data: Date of birth:July, 10 ,1967
Place of Birth:Shahreza,Iran
Marital status:Married

Education:

High school Diploma,1985

M.D.1985-1996

Tehran University of medical Sciences,Tehran,Iran

Nuclear Medicine Residency,1993-1996

Tehran University of medical Sciences,Tehran,Iran

(Top student of nucleae medicine National board examination)

Faculty appointment

Assistant professor:1997-2008

Associate professor:2008-present

Department of nuclear medicine-Shiraz university of medical sciences,Shiraz,Iran

Academic appointment:

1. Head of Namazee nuclear medicine ward 1997 - 2012.
2. Head of Fatemeh Zahra hospital nuclear medicine ward 1998-2008

3. Member of Iranian society of nuclear medicine , 1998 -present.
- 4- Member of strategic planning committee of nuclear medicine of ministry of health and medical education. 2005-present
- 5- Member of national board examination of nuclear medicine of ministry of health and medical education. 2006-present
- 6- Member of scientific committee of annual congress of nuclear medicine 2006-2008 &2011
- 7- Member of supreme council of Research center of imaging in medicine SUMS. 2009-present
- 8- Member of supreme council of Research center of Radiological Sciences Research Center, SUMS. 2010- Present.
- 9-Member of scientific committee of Asia Oceania congress of nuclear medicine and biology, May 16-20, 2012, Tehran, Iran
- 9- Chair of scientific committee of international congress of nuclear medicine, 1st-3rd May 2013

Services:

Advisor to both medical students and residents for their thesis

Teaching programs for medical students 1997-present

Teaching programs for related residents such as radiology, urology, cardiology, nephrology, endocrinology, pediatric nephrology, pediatric endocrinology, etc, 1997-present

Publications & Presentations:

Persian Papers:

- ۱- محمد افتخاری ،مسعود وفا منش، **مهرالسادات علوی** ؛ الگوی کانون داغ در اسکن کبد . مجله پزشکی هسته ای ایران، شماره ۲ . زمستان ۱۳۷۳ . ص ۶۵-۷۲
- ۲- محمد افتخاری،برزو رشیدی ،**مهرالسادات علوی** ؛ کاربرد I 131 MIBG در بررسی تومورهایی که منشا اندوکراین دارند. مجله پزشکی هسته ای ایران، شماره ۳ . تابستان ۱۳۷۴ . ص ۸-۱۱
- ۳- بررسی بالینی Tc 99m Ethylene di cysteine برای مطالعه عملکرد کلیه ها و مقایسه آن با Tc 99m DTPA . مجله پزشکی هسته ای ایران،

۴-مهرالسادات علوی، اشکان مولا، سید علی نبوی زاده؛ بررسی مقایسه ای اسکن پرفیوژن میوکارد با آنژیوگرافی عروق کرونر در بیمارستان نمازی شیراز. مجله پزشکی هسته ای ایران، شماره ۱۵، ۱۴. زمستان ۷۹. ص ۲۱-۲۴.

۵- مهرالسادات علوی، اشکان مولا، سید علی نبوی زاده، محمد جوادزیبایی نژاد؛ بررسی مقایسه ای اسکن پرفیوژن میوکارد با آنژیوگرافی عروق کرونر در بیمارستان قلب و عروق حضرت فاطمه الزهرا (س)، شیراز ۱۳۷۹، دانشجوپیژوهش، ۱۳۸۰: ۱۸ (۳ و ۴): ص ۴-۶.

۶- مهرالسادات علوی؛ تشخیص سودوسیست پریتوئن در شانت و نتریکولو پریتونیاال به وسیله اسکن ایزوتوپ. مجله پزشکی هسته ای ایران، شماره ۱۷، ۱۶. تابستان ۱۳۸۰. ص ۱۷-۱۸.

۷-مهرالسادات علوی، علیرضا راسخی؛ بررسی مقایسه ای اسکن Tc 99m DMSA و سونوگرافی کلیه در عوارض ناشی از عفونت های دستگاه ادراری. مجله پزشکی هسته ای ایران، شماره ۱۸ تابستان ۱۳۸۱. ص ۷-۱۱.

۸--کمال حداد، مهرالسادات علوی، یگانه گرجی؛ محاسبه نسبت جذب در دوزیمتری پد-۱۳۱ بوسیله MCNP-4A، مجله پزشکی هسته ای ایران، شماره ۲۰. تابستان ۱۳۸۲. ص ۱-۶.

۹- غلامعلی یوسفی، مهرالسادات علوی، ارزیابی نقش SPECT پرفیوژن مغز در تشخیص زوال عقل پس از سکته مغزی؛ مجله پزشکی هسته ای ایران، شماره ۲۰ تابستان ۱۳۸۲. ص ۳۵-۴۰.

۱۰- مهرالسادات علوی، فرشید قیصری، مهدی حقیقت افشار، محمد عاطفی. معرفی ویژگی های منحصر به فرد گاز استریل ترکیب شده با وازلین و کانی های بنتونیت و هالوئیزیت در ترمیم سریع زخم. (in press) مجله ی علمی پژوهشی طب جنوب

English papers:

- 1- Mehrossadat Alavi, Abdolrasoul Talei, mariamnaz Falamaki, Ghadimi, The role of Tc99m MIBI Scintimamography in diagnosis

- of breast cancer. The Iranian Journal of Nuclear Medicine.2002; No.18: 7-13.
- 2- **Alavi M**, Nabavizadeh A, Mowla A, Karimi M. Bone Scintigraphy in acute lymphoblastic leukemia. Iranian J Med Sci. 2004;29(2):94-6.
 - 3- **Mehrossadat Alavi**, Shapour Omidvari, Evaluation of Tc99m DTPA renal scanning for localization and shielding of the kidneys in patients candidate for abdominal radiotherapy. The Iranian Journal Of Nuclear Medicine. 2005;volume 13, number 24:18-20
 - 4- M.Basiratnia, A,Nouhi, M.Lotfi,**M. Alavi**, Power Doppler sonographic evaluation of acute childhood pyelonephritis. Pediatric nephrology. 2006; 21:1854-1857
 - 5- **M.Alavi**, Sh. Safavi, The bone scan pattern in disseminated BCGitis. The Hellenic journal of nuclear medicine.2008;11: number 1:21-24
 - 6- **M.Alavi** et al,Tc 99m MIBI and bronchoalveolar lavage fluid LDH in pulmonary tuberculosis. The Hellenic journal of nuclear medicine .2008;11:2 110-113
 - 7- **M.Alavi** , Shahideh Safavi. Bilateral stress fracture of femoral necks on bone scans. The Hellenic journal of nuclear medicine.2010; 13:1.76
 - 8- **M.Alavi**,Negar Azarpira, M.Mojallal. Incidental finding of bilateral papillary carcinoma in a patient with primary hyperparathyroidism. The Hellenic journal of nuclear medicine.2010; 13:1.56-58
 - 9- Alireza Aminsharifi, **Mehrosadat Alavi**, Ghasem Sadeghi, Saeed Shakeri, and Firoozeh Afsar, Renal Parenchymal Damage After Percutaneous nephrolithotomy with One-Stage Tract Dilatation Technique: JOURNAL OF ENDOUROLOGY ,Volume 25, Number 6, June 2011
 - 10- Mohamad Javad Ashraf, **Mehr Sadat Alavi**, Negar Azarpira, Bighan Khademi, Simultaneous Laryngeal Squamous Cell Carcinoma and Papillary Thyroid Carcinoma, Middle East Journal of Cancer 2011; 2(2): 87-90
 - 11- **Mehr Sadat Alavi**, and Negar Azarpira . Medullary and papillary carcinoma of the thyroid gland occurring as a collision tumor with lymph node metastasis: A case report, Journal of medical case report 12-Zohreh Karamizadeh1, H. Saneifard , G.Amirhakimi1, H. Karamifar1 and **Mehrsadat Alavi**. Evaluation of Congenital Hypothyroidism in Fars Province. Iranian Journal of Pediatrics.
 - 13- Mohammad Nazififard,Simin Mahdizadeh , A. S. Meigooni , **M. Alavi** and Kune Y. Suh .A novel device for automatic withdrawal and accurate calibration of 99m – technetium radiopharmaceuticals to

minimize radiation exposure to nuclear medicine staff and patient: *Journal of Radiation Protection Dosimetry*. March 5 2012

14- **M. Alavi**, M. Eftekhari, F. Gheisari, M. Atefi. Clinical evaluation of Tc-99m ethylendicystine (EC) to study renal functionality and a comparison with Tc-99m DTPA. *Research journal of biological sciences* (in press)

15- F. Geisari, M. Eftekhari, D. Beiki, **M. Alavi**, M. Atefi, Comparison of Tc-99m MAG3 and Tc-99m EC in evaluation of renal function. *Research journal of biological sciences* (in press)

Abstracts in International Congress:

1. **Alavi M**, Mowla A, Nabavizadeh A. Comparison of myocardial perfusion scan with respect to coronary angiography in Nemazee hospital, Shiraz, Iran. 2nd International conference on nuclear sciences and technology in Iran. Shiraz, Iran, April 27-30, 2004.
2. **Alavi M**, Nabavizadeh SA, Mowla A. Whole body bone scan in acute lymphoblastic leukemia . 16th international congress of geographic medicine, (Advances in basic and clinical oncology), Shiraz, Iran, Dec1-4, 2003.
3. **Mehrossadat Alavi**, Abdolrasoul Talei, mariam naz Falamaki, Mariam Ghadimi, The role of Tc99m MIBI Scintimamography in diagnosis of breast cancer, . 16th international congress of geographic medicine, (Advances in basic and clinical oncology), Shiraz, Iran, Dec1-4, 2003.
4. **Mehrossadat Alavi**, Shapour Omidvari, Evaluation of Tc99m DTPA renal scanning for localization and shielding of the kidneys in patients candidate for abdominal radiotherapy. . 16th international congress of geographic medicine, (Advances in basic and clinical oncology), Shiraz, Iran, Dec1-4, 2003.
5. **M. Alavi**, M. Eftekhari, Comparison of Tc99m EC with Tc99m DTPA in evaluation of renal function. 14th international congress of geographic medicine and 15th Iranian congress of physiology and pharmacology. Shiraz, Iran, Nov 5-8, 2001
6. Mowla A, **Alavi M**, Zibaenezhad MJ, **Nabavizadeh SA**. Comparison of myocardial perfusion scan with respect to coronary angiography in Nemazee hospital, Shiraz , Iran 1999-2000. 49th annual world assembly of the American college of angiology, Maui, Hawaii, USA. Oct13-18, 2002
7. S. Mahdizade, **M. Alavi** et al .Measurement and evaluation of performance of safety standards for radiation protection in

- nuclear medicine at Shiraz public and private hospitals and clinics. 7th internatg on the effect of low dose of radiation in biological systems.:New perspectives on human exposure, Lisbon ,Nov.27-29 2008
8. S. Mahdizade, **M.Alavi** et al .Knowledge assessment of nuclear medicine workers in shiraz medical centers about radiation protection provisions and programs. 7th internatg on the effect of low dose of radiation in biological systems.:New perspectives on human exposure, Lisbon ,Nov.27-29 2008
 9. Mortazavi SMJ, **Alavi M**, Siavashpour Z. Sorption of Technetium 99 Anion on Bentonite and zeolite. 7th internatg on the effect of low dose of radiation in biological systems.:New perspectives on human exposure, Lisbon ,Nov.27-29 2008
 - 10.**M.Alavi**, M.Bahtouei. Tc 99m MIBi and bronchoalveolar lavege fluid LDH in pulmonary tuberculosis.9th Asia Oceania Congress of Nuclear Medicine and Biology, 30 Oct-3 Nov 2008,New Delhi, India
 - 11.**M.Alavi**, New trends in scintigraphy of urinary tract infection. International congress of Nuclear Medicine and Molecular Imaging, 23-25 September 2009 ,Tabriz, Iran.
 - 12.**M.Alavi**,Cardiac MIBG scan, Second international congress of Nuclear Medicine. 4-6 Nov. 2010,Mashad University of Medical Sciences,Mashad,Iran
 - 13.**M.Alavi**,Negar Azarpira, M.Mojallal. Incidental finding of bilateral papillary carcinoma in a patient with primary hyperparathyroidism.10th World federation of nuclear medicine and molecular biology.18-23 Sep 2010 ,Capetown, South Africa.
 - 14.**Mehrossadat Alavi**,Farshid Gheisari.Hybrid imaging in thyroid cancer.The 3rd international congress of Nuclear Medicine.19-21 May 2011,Shahid Beheshti University of Medical Sciences
 - 15.A.Fard,A.Hedayati,**M.Alavi**.Management ofdifferentiated thyroid carcinoma. The 3rd international congress of Nuclear Medicine.19-21 May 2011, Shahid Beheshti University of Medical Sciences.
 - 16.F.Gheisari.A.Mehdizadeh,**M.Alavi**.The effect of Methimazole on thyroid gland uptake. The 3rd international congress of Nuclear Medicine.19-21 May 2011,Shahid Beheshti University of Medical Sciences.
 - 17.F.Gheisari.A.Mehdizadeh, **M.Alavi**. The effect of barium sulfate in reduction of subdiaphragmatic activity in myocardial perfusion imaging.. The 3rd international congress of Nuclear

Medicine.19-21 May 2011,Shahid Beheshti University of Medical Sciences.

18.M.Alavi,SH.Omidvari,F.GHeisari,Ar.Mehdizadeh,Metastatic bone pain palliation by Lu-EDTMP. Asia ocianian congress of nuclear medicine and biology

19. Investigation of implementation of health physics protocols and radiation protection standards in nuclear medicine sections of Shiraz hospitals

Simin Mehdizadeh † Sedigheh Sina †**Mehrosadat Alavi** †Farshid Gheisari †Mohammad Entezarmahdi †Mohammad Fazilat †Mehdi Zehtabian †Mohammad Reza Mohseni †Farbod Bahrami †Hajar Alipour †Hamideh Kehtar fard †Mehrnosh Karimi pour fard†EliehZamani†Maryam Sadeghi

20- Radioactive waste handling and disposal at nuclear medicine departments in Shiraz,Iran

Simin Mehdizadeh †Sedigheh Sina †**Mehrosadat Alavi** †Mohammad Entezarmahdi †Aida Banani

21- The Role of Automation in Accurate Calibration of Radiopharmaceuticals for Diagnostic Nuclear Medicine

M. Nazififard †S. Mahdizadeh †**M. Alavi** †K.Y. Suh

22 - Quality Control of Radiopharmaceuticals in Shiraz Namazi Hospital

M. Shahedi †H. Sadeghpour †**M.Alavi**

23- Evaluation of Congenital Hypothyroidism in Fars Province,Iran

Zohreh Karamizadeh †**MehrossadatAlavi**

24 - Medullary and papillary carcinoma of the thyroid gland occurring as a collision tumor with lymph node metastasis

Mehrossadat Alavi †Negar Azarpira

25- Renal Parenchymal Damage After Percutaneous Nephrolithotomy with a One-Stage Tract Dilation Technique: A Randomized Clinical Trial

Alireza Aminsharifi † Mehrossadat Alavi

26- Designing a novel device for withdrawal of radiopharmaceuticals in nuclear medicine to reduce the dose to the radiation workers.

Mohammad NAzifi,S.Mehdizadeh, A.Soleimani, **M.Alavi**

