

## CURRICULUM VITAE (CV)

**Name:** Abtin Doroudinia MD.

**Academic position:** Assistant professor of nuclear medicine and molecular imaging  
PET/CT department  
Masih Daneshvari hospital  
Tehran-Iran

### **Education:**

M.D. Shahid Beheshti University of medical sciences, Tehran-Iran 1993-2000  
Residency Otolaryngology, Head & neck surgery; Iran University of medical sciences,  
Tehran-Iran 2002-2006  
Residency General Surgery, Keck school of medicine, University of southern California,  
Los Angeles 2010-2011  
Residency Nuclear Medicine, Hofstra University, NSLIJ medical center, New York 2011-2013  
Residency Nuclear Medicine, University of California Davis, US Davis medical center,  
Sacramento 2013-2014  
Fellowship PET/CT fellowship, Keck school of medicine, University of southern California,  
Los Angeles 2014-2015

### **Career/Academic Appointments:**

2002-2002 General practitioner, Army University of medical sciences, Tehran-Iran  
2006-2010 Otolaryngology practice, Research  
2015-current Assistant professor of nuclear medicine, University of Shahid Beheshti, Masih  
Daneshvari hospital, Tehran-Iran

### **Administrative Positions:**

2016-present PET/CT department technical assistant, Masih Daneshvari hospital, Tehran-Iran

### **Board Certification:**

American Board of nuclear medicine (ABNM), October 2014

### **Affiliations with Medical Specialty societies:**

- 1- Radiologic Society of north America (RSNA)
- 2- Society of Nuclear Medicine and molecular imaging (SNMMI)
- 3- American College of Nuclear medicine (ACNM)
- 4- American college of radiology (ACR)
- 5- American medical association (AMA)
- 6- European Society and Hybrid imaging (ESHI)
- 7- European Society of Radiology (ESR)

### **Licensure:**

California license, Physicians and Surgeons: A-122142

**Academic identifications:**

ORCID ID: 000-0001-7183-8992  
<https://orcid.org/0000-0001-7183-8992>

Scopus ID: 56741444600  
<https://www.scopus.com/authid/detail.uri?authorId=56741444600>

Resercher ID: G-7651-2017  
<http://www.researcherid.com/rid/G-7651-2017>

**Current research projects:**

- 1- Role of 18F-FGDPET/CT scan in temporal lobe seizure focus localization in patients with drug resistant epilepsy.
- 2- Role of <sup>68</sup>Ga-PSMA radionuclide for evaluation of patients with prostate cancer
- 3- Correlation of quantitative FDG-PET/CT parameters with tumor pathology characteristics and patient's prognosis in lung cancer patients
- 4- Evaluation of 18F-FDG PET/CT scan findings in Non-Hodgkin lymphoma patients and its impact on treatment response assessment

**Previous research projects:**

- 1- Hypermetabolic Thyroid incidentaloma on Positron Emission Tomography: Review of laboratory, radiologic and pathologic characteristics
- 2- Nominee for NIH Director's Early Independence Award (DP5). RFA-RM-14-004 University of Southern California, Los Angeles, 2014-2015

**Invited Speaking Engagements, Presentations, Symposia and Workshops**

- 1- Role of FDG PET/CT scan in lung cancer, Oral presentation, 35<sup>th</sup> Iranian congress of radiology, **Tehran-Iran**, April 2019
- 2- Hodgkin lymphoma, Diagnostic and treatment challenges. Iranian society of pediatric oncology. **Tehran-Iran**. February 2019
- 3- Utility of FDG PET/CT scan in seizure focus localization in patients with non-lesion brain MRI. Oral presentation. 15<sup>th</sup> international epilepsy congress. **Tehran-Iran**. January 2019
- 4- Quantified PET/CT parameters can predict Non-small cell lung cancer pathologic characteristics. Oral presentation. International Cancer Imaging Society (ICIS) Meeting & 18th Annual Teaching Course. **Menton-France**. October.8.2018.
- 5- Role of PET/CT scan in evaluation of Sarcoidosis. Oral presentation. Symposium. National research institute of Tuberculosis and Lung diseases. **Tehran-Iran**. August.9.2018
- 6- Role of PET/CT scan in heart failure patients. Congress. Oral presentation. International cardiac failure congress. Shahid Beheshti University of medical sciences. **Tehran-Iran**. May.10.2018

- 7- Role of FDG PET/CT scan in seizure focus localization in patients with drug resistant epilepsy. Oral presentation. 14<sup>th</sup> international epilepsy congress. **Isfahan-Iran.** January 2018
- 8- Updates on PET/CT in prostate cancer. Conference. Oral presentation. Iranian Nuclear Medicine council, Shariati hospital, **Tehran-Iran.** December.28.2017
- 9- Prognostic values of FDG PET/CT scan volumetric parameters in head and neck cancer patients. Congress. Oral presentation. Society of nuclear medicine and molecular imaging (SNMMI) 2017 annual meeting. **Denver-Colorado.** June.12.2017
- 10- New advances in breast cancer management. Symposium. Oral presentation. Shahid Beheshti University of medical sciences, **Tehran-Iran.** April.28.2016
- 11- Role of PET/CT in prostate cancer. Conference. Oral presentation. Iranian Nuclear Medicine council, Shariati hospital, **Tehran-Iran.** June.23.2016
- 12- PET/CT in Oncology. Congress. 27<sup>th</sup> Iranian cancer institute annual congress. Oral presentation, Cancer research center, **Tehran-Iran.** December.23.2016
- 13- Role of PET/CT scan in head and neck cancers. Congress. Iranian otolaryngology, head and neck surgery annual congress. Oral presentation. Ear nose throat surgeons scientific council, **Tehran-Iran.** November.11.2016
- 14- Prognostic value of FDG PET/CT metabolic parameters in patients with non-small cell lung cancer who are not candidate for surgical treatment. Iranian cancer institute annual congress. Oral presentation, Radiation Oncology scientific council, **Tehran-Iran.** November.11-13.2016
- 15- PET/CT scan in cardiac viability evaluation. 5<sup>th</sup> Iranian cardiovascular congress. Congress. Oral presentation. Cardiac surgeon scientific council. **Tehran-Iran.** February.24.2017
- 16- Role of PET/CT scan in lung cancer. Congress. Oral presentation. Mashhad University of medical sciences. **Mashhad-Iran.** November.24.2017
- 17- PET/CT scan in non-small cell lung cancer patients. Congress. Oral presentation. National Research Institute of Tuberculosis and lung diseases (NRITLD). Shahid Beheshti University of medical sciences. **Tehran-Iran.** October.15.2017
- 18- Fundamentals of PET/CT scan (PET/CT in lung and prostate cancer). Seminar. Oral presentation. Iranian nuclear medicine scientific council. Tehran-Iran. April.14.2017
- 19- Non-invasive diagnostic techniques in evaluation of ischemic heart disease. Symposium. Oral presentation. Cellular-Molecular research center. Tehran University of medical sciences. **Tehran-Iran.** April.6.2017
- 20- Head and neck cancer functional imaging. Seminar. Oral presentation. Cancer research center. **Tehran-Iran.** August.11.2017
- 21- New advances in cardiovascular diseases. Congress. Oral presentation. Iranian Atherosclerosis scientific council. **Tehran-Iran.** September.15.2017
- 22- Cellular immune system functions in head and neck tumor patients. Oral Presentation. 9<sup>th</sup> international ENT head and neck surgery congress; **Tehran, Iran.** November.2005.
- 23- Cytokines IL-2,IL-12,TNF level changes in head and neck tumor patients. Oral Presentation. 8<sup>th</sup> International congress of Immunology and allergy; Tehran, Iran. April 2006
- 24- Treatment response assessment in metastatic prostate cancer with 18F-NaF PET/CT. Oral presentation. Society of nuclear medicine and molecular imaging (SNMMI) annual meeting. June 2015. **Baltimore-Maryland**
- 25- PET tracers other than FDG, Conference, Oral presentation. Iran nuclear medicine scientific council monthly meeting. Shariatti hospital, **Tehran-Iran.** July 2015
- 26- Radium-223 a new treatment option for castration resistant prostate cancer, Conference, Oral presentation. Iran nuclear medicine scientific council monthly meeting. Shariatti hospital, **Tehran-Iran.** July 2015

**Poster presentations:**

- 1- Doroudinia Abtin MD, Izadi Farzad MD, Shekarabi Mehdi Phd. Outcome prediction in Head and neck tumor patients regarding Immune system activity. Poster presented at: 8th International congress of Immunology and allergy,2006, April, **Tehran-Iran.**
- 2- Doroudinia Abtin, Bijan Bijan, Shelton David, “Hybrid imaging: Gastrointestinal stromal tumors, A pictorial review, strengths, pitfalls and limitations” Western regional Society of nuclear medicine (WRSNM), Oct 2013, **Pasadena-California**
- 3- Doroudinia Abtin, Bijan Bijan, Ramit Lamba, Gisele Melendres, “Hybrid imaging: Colorectal Cancer, A pictorial review, strengths, pitfalls and limitations” Society of abdominal imaging (SAR) Annual meeting, Mar 2014, **Rottan Bacon-Florida**
- 4- Doroudinia Abtin, Bijan Bijan, Shelton David, Elizabeth Moore, Gisele Melendres, “Hybrid imaging: Esophageal Cancer, A pictorial review, strengths, pitfalls and limitations” Society of thoracic radiology(STR) Annual meeting, May 2014, **San Antonio-Texas**
- 5- Roya Sharif pour, Doroudinia Abtin MD, Ghaffarian Pardis PhD. Reduction Of Respiratory Induced Artefact In PET/CT Images Using TOF Reconstruction” American College of Nuclear Medicine annual meeting- SNMMI mid-winter meeting, Jan 2016, **Orlando-Florida**
- 6- Doroudinia Abtin MD, Behzadi Bahareh MD, Bakhshayesh karam Mehrdad MD. (Mar 2018) Relation between SUVmax and pathological characteristics and tumor size in patients with non-small cell lung cancer. European society of radiology annual meeting. March 2018, **Vienna-Austria**
- 7- Doroudinia Abtin MD, Behzadi Bahareh MD, Bakhshayesh karam Mehrdad MD. (Oct 2018) Quantified PET/CT parameters can predict Non-small cell lung cancer pathologic characteristics. Oral presentation. International Cancer Imaging Society (ICIS) Meeting & 18th Annual Teaching Course. **Menton-France.**
- 8- Shobeirian Farzaneh, Mehrian Payam, Doroudinia Abtin. Hypersensitivity pneumonitis HRCT findings and their correlation with the etiology and disease duration. 35<sup>th</sup> Iranian congress of radiology. **Tehran-Iran.**
- 9- Doroudinia Abtin MD, Bakhshayesh Karam mehrdad MD, Yousefi Koma Abbass MD. (June 2019) Role of FDG PET scan in seizure focus localization in patients with unremarkable brain MRI. Society of nuclear medicine and molecular imaging (SNMMI) annual meeting. **Anaheim-California.**

**Publications:**

- 1- Doroudinia A, Ahmadi S, Mehrian P, Pourabdollah M. Primary Ewing sarcoma of the kidney. **BMJ Case Rep. 2019 Jan 28;12(1). pii: bcr-2018-227198. doi: 10.1136/bcr-2018-227198.**
- 2- Doroudinia A, Mehrian P, Dorudinia A, Kaghazchi F. Rectal adenocarcinoma presenting with thigh muscle metastasis as the only metastatic site. **BMJ Case Rep. 2019 Jan 22;12(1). pii: e226802. doi: 10.1136/bcr-2018-226802.**
- 3- Payam M, Abtin D, Shams M, Niloufar A. Distribution and characteristics of intrathoracic lymphadenopathy in TB/HIV coinfection. **Infect Disord Drug Targets. 2018 Oct 16.** doi: 10.2174/1871526518666181016111142. [Epub ahead of print]
- 4- Bakhshayesh KM, Doroudinia A, Bashiri GS, et al. Prognostic Value of 18F-Fluorodeoxyglucose-Positron Emission Tomography/Computed Tomography Scan Volumetric Parameters in Head-and-Neck Cancer Patients after Treatment. **Biomed Biotechnol Res J 2018;2:196-202.**

- 5- Doroudinia A, Karam MB, Behzadi B et al. Correlation of quantified metabolic activity in non-small cell lung cancer with tumor size and tumor pathological characteristics. **Medicine (Baltimore)**. 2018 Aug;**97(32):e11628\*\*\***
- 6- Doroudinia A, Kaghazchi F, Mehrian P et al. Recurrent inflammatory myofibroblastic tumour of the lung: FDG PET/CT scan findings. **BMJ Case Rep**. 2018 Jul 13;2018. pii: **bcr-2018-224373**. doi: **10.1136/bcr-2018-224373**.
- 7- Doroudinia A, Bakhshayesh KM, Rangbar M et al. Mantle cell lymphoma presenting as bilateral adrenal huge masses. **BMJ Case Rep**. 2018 Apr 17;2018. pii: **bcr-2017-223247**. doi: **10.1136/bcr-2017-223247**.
- 8- Mehrian P, Doroudinia A, Rashti A et al. High-resolution computed tomography findings in chronic eosinophilic vs. cryptogenic organizing pneumonia. **Int J Tuberc Lung Dis** 2017;**21(11):1181–1186.\*\*\***
- 9- Bakhshayesh KM, Doroudinia A, Joukar F et al. Hypermetabolic Thyroid Incidentaloma on Positron Emission Tomography: Review of laboratory, radiologic and pathologic characteristics. **Hindawi, Journal of Thyroid Research Volume 2017, Article ID 7176934, 6 pages**.
- 10- Bakhshayesh KM, Doroudinia A, Safavi NA et al. Role of FDG PET/CT Scan in Head and Neck Cancer Patients. **Arch Iran Med**. 2017; **20(7): 452 – 458**.
- 11- Doroudinia A. Prognostic value of FDG PET/CT scan volumetric parameters in head and neck cancer patients. **JNM**. May 1 2017, vol. **58, supplement 211**
- 12- Bakhshayesh KM, Aghahosseini F, Doroudinia A et al. The Role of 18F FDG PET/CT in Clinical Management of Breast Cancer; Additional Value over Conventional Imaging Modalities. **Iranian Journal of radiology** 4(5) 2017.
- 13- Bakhshayesh KM, Zahirifard S, Aghahosseini F, Doroudinia A et al. The Influence of Cancer-Related Characteristics on Brown Adipose Tissue at [18 F] DG PET/CT. **Iranian Journal of radiology** 4(5) 2017.
- 14- Doroudinia A, Bakhshayesh KM, Dorudinia A et al. Synovial Sarcoma of the Esophagus: A Case Report and Review of Literature. **Middle East J Dig Dis** 2017;**9:111-113**.
- 15- Bakhshayesh KM, Ghobadi M, Hassanzad M, Doroudinia A et al. Diagnostic performance of F-18 FDG PET/CT in patients with cancer of unknown primary: additional benefit over CT-based conventional work up. **Novelty in Biomedicine** 2016, **1, 5-12**.
- 16- Ghafarian P, Ketabi A, Doroudinia A et al. Effect of TOF and PSF in detection of lymph node metastases in head and neck of PET/CT images. **European Journal of nuclear medicine and molecular imaging**. **43.2016.S507-S507**.
- 17- Ghafarian P, Sharif pour R, Doroudinia A et al. The influence of TOF and PSF techniques along with scan duration on respiratory artefact reduction in PET/CT images. **European Journal of nuclear medicine and molecular imaging**. **43.2016.S509-S509**.
- 18- Doroudinia A, Colletti P. Bone mineral measurement. **Clin Nucl Med** 2015;**40: 647–657.\*\*\***
- 19- Doroudinia A, Bhushan D, James Y et al. Treatment Response Assessment in Metastatic Prostate Cancer with 18F-NaF PET/CT, **JNM**, May 1, 2015, Vol 56, no. Supplement 3
- 20- Endolaryngeal neurofibroma. Izadi F, Arbabi M, Ahmad-zad asl, Doroudinia A. **Acta Medica Iranica** 2008;**46(4), 345-348**
- 21- Doroudinia A, Izadi F, Shekarabi M. Evaluation of cellular immune system activity in patients with head and neck tumors and its relation with diagnosis, stage and prognosis. **Medical journal of Iran university of medical sciences**. 2007 Jan; **13(53): 23-32**.
- 22- Doroudinia A, Mohebbi A, Nouri H. A case of Systemic amyloidosis with primary manifestation in larynx: diagnosis, Pathophysiology and treatment. **Medical journal of Iran university of medical sciences**. 2006 Jan; **12(49): 145-150**.

23- Izadi F, Doroudinia A, Pousti B et al. Evaluation the efficacy of CO2 laser and oral Acyclovir in treatment of recurrent respiratory papillomatosis (RRP) in children. **Medical journal of Ardabil University of medical sciences. 2004 Oct; 4(13): 13-18.**

**\*\*\*: Impact factor>2.0**

### **Chapters, Books:**

- 1- Esophageal and Gastric Neoplasms, Shahram Bonyadlou, Abtin Doroudinia, Pages 65-94. PET/CT: A case based approach. Peter S. ContiAarti Kaushik. Springer, 2016

### **Article reviews:**

- 1- Journal Name: Iranian Journal of Radiology  
Manuscript Title: Coronary Artery Calcium Score Assessment in Breast Cancer Patients after Three-Dimensional Conformal Radiotherapy: Is Calcium Score an Appropriate Screening Study?  
Manuscript ID: 63603
- 2- Journal Name: Iranian Journal of Radiology  
Manuscript Title: The scintigraphic characteristics of acute fracture in patients with trauma: What are the factors affecting the avidity rate on bone scan?  
Manuscript ID: 55947
- 3- Journal Name: Iranian Journal of Radiology  
Manuscript Title: Diagnostic performance of <sup>18</sup>F-FDG PET/CT in patients presenting with secondary neck nodes from an unknown primary: An institutional experience.  
Manuscript ID: 55550
- 4- Journal name: Archives of Iranian Medicine (AIM)  
Manuscript title: Transthoracic Ultrasonographic Features of Typical HRCT Signs of Interstitial Lung Diseases  
Manuscript ID: MS-9617-850
- 5- Journal name: BMC Pulmonary Medicine  
Manuscript title: Predictive factors for relapse of cryptogenic organizing pneumonia  
Manuscript ID: PULM-D-18-00143R1
- 6- Journal name: BMC Pulmonary Medicine  
Manuscript title: Solid part size is an important predictor of nodal metastasis in lung cancer with a subsolid tumor  
Manuscript ID: PULM-D-18-00282R1
- 7- Journal name: BMC Pulmonary Medicine  
Manuscript title: Paraneoplastic Syndrome As The Presentation Of Limited Stage Small Cell Carcinoma; A Case Report

Manuscript ID: PULM-D-18-00323R1

- 8- Journal name: BMC Pulmonary Medicine  
Manuscript title: Predictive factors for relapse of cryptogenic organizing pneumonia  
Manuscript ID: PULM-D-18-00143R2
- 9- Journal name: BMC Pulmonary Medicine  
Manuscript title: Predictive factors for relapse of cryptogenic organizing pneumonia  
Manuscript ID: PULM-D-18-00143R3
- 10- Journal name: BMC Pulmonary Medicine  
Manuscript title: Ursolic acid alleviates airway-vessel remodeling and muscle consumption in cigarette smoke-induced emphysema rats  
Manuscript ID: PULM-D-18-00504R1
- 11- Journal name: BMC Pulmonary Medicine  
Manuscript title: Increased IFN- $\gamma$ -producing Th17/Th1 cells and their association with lung function and current smoking status in patients with chronic obstructive pulmonary disease  
Manuscript ID: PULM-D-18-00625
- 12- Journal name: BMJ case Reports  
Manuscript title: The Case of the Missing Lung Diagnosed in a 45 year old male.  
Manuscript ID: bcr-2018-228498
- 13- Journal name: BMC Pulmonary Medicine  
Manuscript title: Ursolic acid alleviates airway-vessel remodeling and muscle consumption in cigarette smoke-induced emphysema rats  
Manuscript ID: PULM-D-18-00504R2
- 14- Journal name: BMJ case Reports  
Manuscript title: Pulmonary talc granulomatosis mimicking lung cancer  
Manuscript ID: bcr-2019-230180

### **Educational activities:**

- 1- Teaching about clinical aspects of PET/CT and CT scan based anatomy for nuclear medicine residents. 7 sessions of 1.5 hours each during 2016-2017 held in Shohada hospital affiliated by Shahid Beheshti University of medical sciences. Approved by Professor Amouee, Department chief
- 2- Teaching Fundamentals of PET/CT scan for radiology residents. 10 sessions of 45 minutes each during 2016-2017 held in Masih Daneshvari hospital affiliated by Shahid Beheshti University of medical sciences. Approved by Professor Bakhshayesh karam, Department chief