

**Mahsa Mirdamadi, MD**  
*Assistant professor of Pulmonologist,  
Head of sleep department of Rajaee Hospital*

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**Date of Birth:** 09/21/1975

**Place of Birth:** Tehran, Iran

**Citizenship:** Iranian

**Marital Status:** Married

**Education:**

**Medical School:**

- Internship: Azad Medical University, Tehran (1995-2001)
- Residency: Qazvin University of Medical Science (2003-2007)
- Fellowship: Tehran University of Medical Science (2013-2015)

**Academic and Official appointment:**

- Medical Student (1995-2001)
- Internal medicine Resident (2003-2007)
- Fellowship of Pulmonology (2013-2015)

**Fields of Interest:**

- Cardiopulmonary Exercise Test(CPET)
- Chronic Obstructive Pulmonary Disease(COPD)
- Sleep Medicine
- NIV (Non Invasive Ventilation)
- Pulmonary disease in cardiac patients

**Experience:**

- General Practitioner (GP), Emergency 110, Karaj, Iran University of Medical Sciences (IUMS), 2001 till 2003
- General Practitioner (GP), Emergency ward, Fatemeh Zahra Hospital, Bushehr, Bushehr University of Medical Sciences (BUMS), 2003 till 2003
- Internist, Boali Hospital, Koramdare, Zanjan University of Medical Sciences (ZUMS), 2007 till 2009
- Internist, Shariati Hospital, Mahdasht, Alborz University of Medical

Sciences (AUMS), 2009 till 2011

- Internist, Bahonar Hospital, Karaj, Alborz University of Medical Sciences(AUMS), 2011 till 2013

- Pulmonologist, Bahonar Hospital, Karaj, Alborz University of Medical Sciences(AUMS) , 2015 till 2016

- Assistant professor of Pulmonary Medicine, Iran University of Medical Sciences (IUMS), Rajaie Cardiovascular Medical and Research center, Iran University of Medical Sciences, Tehran, Iran, 2016 till now

#### **Academic and Official appointment:**

- American Academy of Sleep Medicine(AASM), Activity type: Member ,2019-present
- European Respiratory Society (ERS), Activity type: Member ,2016-present
- American Thoracic Society (ATS), Activity type: Member, 2014 - present
- Iranian Society of Pulmonology, Activity type: Member, 2014 - present
- Iranian College of Internal Medicine, Activity type: Member, 2008 - present

#### **Presentations and publications**

##### **A-Books:**

- Title: ASTHMA Basic & Clinical Sciences (Second Edition)  
Authors: Moin.M. MD, **Mirdamadi. M. MD**, others 2016.
- Title: Cardio Pulmonary Exercise Test (CPET) simple evaluation  
Authors: **Mirdamadi. M**, **Rahimi. B.** 2019

##### **B-Abstracts:**

1. Sheikholeslami M, **Mirdamadi M**, Ziaee A, Kani C.  
Insulin resistance in patients with polycystic ovary syndrome and idiopathic hirsutism  
Endocrine Abstracts, Volume 16, May 2008, page 648

##### **C- Articles:**

1. Fatehi R, **Mirdamadi M**, Hashemnejad M, Shakeri M  
The frequency of opium addiction and cofactors in Diabetic patients referred to Karaj Dr.Shariati Hospital in 1389-90.  
International Journal of Medical Toxicology and Forensic Medicine.2013;3(3):75-79.

2. **Mirdamadi M**, Rahimi B, Safavi E, Abtahi H, Peiman S.  
Correlation of cardiopulmonary exercise testing parameters with quality of life in stable COPD patients.  
J. Thorac Dis.2016 Aug;8(8):2138-45

3. **Mirdamadi M**, Rahimi B, Safavi E, Abtahi H,Peiman S.  
Increase in oxygen uptake to work rate increment ( $\Delta VO_2/\Delta WR$ ) during cardiopulmonary exercise testing: Correlation to COPD severity indicators, including BODE index  
European Respiratory Journal 2015 46:PA2287

4. **Mirdamadi M**, Rahimi B, Arabian M

The correlation of VE/VCO<sub>2</sub> slope with the BODE index and quality of life in patients with COPD. American Journal Critical Care Medicine 2018;197: A5041

5. Mehrdad Pazhouhandeh, Fatemeh Samiee, Tahereh Boniadi, Abbas Fadaei Khedmat, Ensieh Vahedi, **Mahsa Mirdamadi**, et al.

Comparative network analysis of patients with non-small cell lung cancer and smokers for representing potential therapeutic targets. *Scientific Reports* **volume 7**, Article number: 13812 (2017)

6. **Mirdamadi, M.** Sadeghi, H. Safeaei, A. Salesi, M, Postoperative cardio surgery pulmonary complications in bronchial asthma and COPD patients. European Respiratory Journal.2018

7. **Mirdamadi M**, Safaei A

Comments on Cardiovascular Complications in Obstructive Sleep Apnea Syndrome. Multidisciplinary cardiovascular annals. 2019

8. Rahimi Farahani M, Rahimi B , **Mirdamadi M**, Edalati Fard M

Changes in heart rate variability (HRV) in patients with severe and moderate obstructive sleep apnea before and after acute CPAP therapy during nocturnal polysomnography, was Accepted by Sleep Science Journal, May 2020

9. Asghari A, Adeli S, Bagheri H, Riahi M, **Mirdamadi M**

**Intestinal ischemia due to mesenteric vascular thrombosis in positive SARS-Cov-2 RNA patient without primary pulmonary symptom, a case report**, Middle East Journal of Digestive Diseases (MEJDD), Vol. 13, No. 1, January 2021

9. Hassanloo N, Rahimi B , **Mirdamadi M**, Edalati Fard M

Comparison of CPAP Pressure Changes Required by Patients Suffering from Hypoventilation Syndrome due to Obesity and Obstructive Sleep Apnea: An Investigation for Referring Patients to the Hospital Sleep Disorders Section During 6 Months, under review process

10. **Mirdamadi M**, Sadeghi H, Safaei A, Sheikfathollah M

Pulmonary Complications After Cardiac Surgeries in Patients with Pulmonary Disease, Under review process

11. Asghari A, **Mirdamadi M**

Corticosteroids: Perhaps the missing and the life-saving ring in Covid-19 treatment chain, Under review process

12. Prognostic significance of Lung Diffusion Capacity and Spirometric Parameters in relation with hemodynamic status in Heart Transplant candidates

Mohammadi S, Naderi N, Mirdamadi M, Safaei A ,et al. Under review process

#### D-Congress:

- Title: Executive Secretary of symposium of NIV (Non Invasive Ventilation) in cardiac disease, Rajaei cardiovascular and research center. Aug 2017
- Title: Coordinator of CPET (Cardiopulmonary Exercise test) workshop, Rajaei cardiovascular and research center. Aug 2018

- Title: Scientific Secretary of Cardiopulmonary exercise test interpretation workshop. Rajaei cardiovascular and research center. August 2019

### **E-Presentation:**

#### **Poster presentation:**

- **Mirdamadi, M.**, Rahimi, B., Safavi, E., Abtahi, H. And Peiman, S.  
Correlation of Cardiopulmonary Exercise Testing Parameters with Quality of Life in Stable COPD Patients, Presented in Amsterdam, ERS Congress oct.2016
- **Mirdamadi, M** .Hoseini, S .Amin,A. ECMO in ARDS. A case report. 2th Pulmonary vascular summit. Tabriz. August 2017
- Mirdamadi, M.** Sadeghi, H. Safeaei, A. Salesi, M.  
Postoperative cardio surgery pulmonary complications in bronchial asthma and COPD patients. Paris, ERS congress oct.2018
- Mirdamadi, M.**Araghi, M.  
Do Beta-blockers reduce sympathetic activity in patients with mild sleep breathing disorder without CPAP therapy? ERS congress .Sep.2020

### **F-Guideline:**

- Heart Transplant `s Protocols and Guidelines, member of authors,2018

### **Work shop/Congress presentation:**

- Renal disease in Diabetes Mellitus. Alborz University of Medical Science(AUMS). 2009
- Complications in Diabetes Mellitus. Alborz University of Medical Science(AUMS). 2010
- Contraceptive methods. University of Environment(UOE). 2012
- Advanced internal medicine emergency. Alborz University of Medical Science(AUMS). 2013
- Cardiopulmonary Exercise Test (CPET) in cardiac disease. Rajaei cardiovascular and research center. September 2017.
- Cardiopulmonary exercise test in Deconditioning in practical applications in CPET. Tehran University of Medical Science(TUMS). August 2017.
- Practical guidelines in Cardiopulmonary Exercise Test (CPET). Rajaei cardiovascular and research center. August 2018.
- NIV in CHF (Chronic Heart Failure), Rajaei cardiovascular and research center. August 2017.
- The first Iranian Congress of cardio vasculo pulmonary Rehabilitation, Chief member, Tehran. January 2019.
- Cardiopulmonary exercise test interpretation. Rajaei cardiovascular and research center. August 2019
- Obstructive Sleep Apnea(OSA) and hypertension. Hypertension congress. Rajaei cardiovascular and research center. May 2019

- Cardiopulmonary exercise test on progressive dyspnea and evaluation of surgery in lung cancer patient .CME Program based on CHEST SEEK pulmonary Medicine ,27<sup>th</sup> Edition .28 November 2019

#### **G-Short courses / Workshop:**

- Upper GI Endoscopy workshop, Annual Congress Iranian Society of Internal Medicine, Tehran, Iran 2013
- MKSAP 16 Pulmonary and Critical Care Medicine, American College of Physicians, Tehran, Iran 2014
- Sleep disorders workshop, European Respiratory Society International Congress in Amsterdam, Nederland ,2015
- NIV workshop, Iranian Society of Pulmonology Conference, Shiraz, Iran, 2016
- Cardiopulmonary Exercise Test (CPET) Applications and Conductance, Pulmonary International congress in Tehran, Iran, October 2015
- Advanced Cardiopulmonary exercise testing workshop. European Respiratory Society International Congress in Paris, France, September 2018
- Clinical PSG Scoring & Interpretation workshop, Tehran, Iran ,2019
- Virtual school + Adult Q&A - Virtual school in adult and paediatric respiratory medicine, July ,2020
- Sleep and disorder breathing. Virtual workshop. August, 2020

#### **H-Honors & Awards:**

- National Pulmonary Medicine Board Certification Exam, 2015
- National Internal Medicine Board Certification Exam, 2008

#### **I- Media Articles:**

Cardio Pulmonary Exercise Test: [http://f.chestnet.ir/dr%20mirdamadi\\_3\\_1\\_x264.mp4](http://f.chestnet.ir/dr%20mirdamadi_3_1_x264.mp4)

This video was presented for Iranian pulmonologist and was shown how to evaluate and diagnose the etiology of dyspnea in patients with CPET which was recorded in 2018.

COVID-19: <https://www.aparat.com/v/hR2td>

It was about etiology and prevention ways of COVID-19 for population and Iranian people to increase their knowledge about this virus in 2020.

Ozone effects on human body: <https://www.aparat.com/v/EHR2P>

Because of increasing ozone pollution unhealthy days in 2020 in Iran, this presentation was about higher risks persons, ozone effects on the human body, and ways of protection from this harm pollution in 2020.

Air pollution side effects(part 1): <https://www.aparat.com/v/E0JrG>

It was a radio interview about air pollution and it's side effects in human, how to protect, what is the alarm signs, and what should we do and do not in air pollutant time. It has two part. Jan 2021

Air pollution side effects(p 2): <https://aparat.com/v/c9AXD>

**J-Reviewer:**

- International Research Journal of Public and Environmental Health (IRJPEH)  
ISSN 2360-8803. Impact Factor: 2.471
- Iranian Journal of Allergy, Asthma and Immunology (IJAAI)  
ISSN: 1735-5249. Impact Factor: 1.109
- Multidisciplinary Cardiovascular annals (ISCS)  
ISSN: 2538-5550