

# CURRICULUM VITAE

## Personal Data

- Name: Samrad Mehrabi
- Date of Birth: 16.08.1968
- Place of Birth: Rudbar, Gilan, Iran
- Gender: Male
- Citizenship: Iran
- Marital Status: Married
- Language: English, Farsi
- Professional address: Department of Internal Medicine, Namazi Hospital, Karimkhan Blvd, Shiraz, Iran
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## Education and Postgraduate Training

- Medical School & Internship: Isfahan University of Medical Sciences, Isfahan, Iran, MD, 9/1987-3/1994
- Residency: Internal Medicine, Tehran University of Medical Sciences, Tehran, Iran, 9/1994-9/1997
- Fellowship: Pulmonary Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 9/2001-9/2003
- Other: Observership in Critical Care and Sleep Medicine, Royal Victoria Hospital, McGill University Health Center, Montreal, Canada, 8/2004-1/2005

## Board Certification

- 1997, National Iranian Board of Internal Medicine
- 2003, National Iranian Board of Pulmonary Medicine

## Honors and Awards

- Second rank in National Iranian Board of Pulmonary Medicine, 9/2003
- Excellence in Teaching, Department of Internal Medicine, Shiraz University of Medical Sciences, 2008
- Excellence in Teaching, School of Medicine, Shiraz University of Medical Sciences, 2016
- Best deputy for research, School of Medicine, Shiraz University of Medical Sciences, 2018

## Education-Teaching

- Medical School: Pathophysiology of Rheumatologic, and Gastrointestinal diseases, 4/1998-8/2001.
- Medical School: Pathophysiology of Pulmonary diseases, 4/1998-Present.
- Medical School: Clinical Reasoning and approach to Pulmonary diseases, 1/2008-Present
- Continuing Education: Several courses on Pulmonary Diseases, Osteoporosis, and Diabetes, 1/2000-Present.

### **Committee Membership and Administrative Responsibilities**

- Member of the research committee of Kurdistan University of Medical Sciences, 4/2004-9/2006
- Member of the educational committee of Kurdistan University of Medical Sciences, 9/2005-9/2007
- Director of Education Development Center (EDC) of Kurdistan University of Medical Sciences, 9/2005-2/2006
- Head of Faculty of Medicine Kurdistan University of Medical Sciences, 2/2006-9/2007
- Deputy for research of Department of Internal Medicine, Shiraz University of Medical Sciences, 10/2009-10/2022
- Deputy for research and education of Division of Pulmonary, Critical Care & Sleep Medicine, Shiraz University of Medical Sciences, 10/2007-10/2015, 10/2019-present

### **Academic Appointments**

- Associate Professor, Department of Internal Medicine, Shiraz University of Medical Sciences, 10/2022-present. Responsibilities include training and supervising internal medicine residents, interns, medical students, and pulmonary fellows.
- Assistant Professor, Department of Internal Medicine, Shiraz University of Medical Sciences, 10/2007-10/2022. Responsibilities include training and supervising internal medicine residents, interns, medical students, and pulmonary fellows.
- Assistant Professor, Department of Internal Medicine, Kurdistan University of Medical Sciences, 1/1998-9/2007. Responsibilities included training and supervising internal medicine residents, interns, and medical students.

### **Clinical/Hospital Appointments**

- 1/2013-present, Director of the sleep lab, Namazi Hospital, Shiraz University of Medical Sciences

- 10/2007-present, Staff Physician, Pulmonary Ward, Medical ICU, Pulmonary Clinic, and Bronchoscopy Unit. Shiraz University of Medical Sciences
- 2/2005-9/2007, Staff Physician, Pulmonary Ward, Medical ICU, Internal Medicine Clinic, and Bronchoscopy Unit. Kurdistan University of Medical Sciences
- 10/2003-8/2004, Staff Physician, Pulmonary Ward, Medical ICU, Internal Medicine Clinic, and Bronchoscopy Unit. Kurdistan University of Medical Sciences
- 10/1997-9/2001, Staff Physician, Internal Medicine Ward and outpatient clinic, Gastroscopy Unit. Kurdistan University of Medical Sciences

### Professional and Society Memberships

- Member of Iranian Medical Council, MC No: 44773, 6/1993-present
- Member of Iranian college of Internal Medicine, 5/1998-present
- Member of Iranian Society of Pulmonology, 10/2003-present
- Member of American College of Chest Physicians (ACCP), 10/2005-09/2006
- Fellow of American College of Chest Physicians, 09/2006-present
- Member of European Respiratory Society (ERS), 11/2005-present
- Member of American Thoracic Society (ATS), 1/2006- present
- Member of World Sleep Society, 1/2019-present

### Journal Papers

- 1) Derakhshan Deilami Gh, **Mehrabi S**, Methotrexate in the treatment of steroid-dependent asthma. Tehran University Medical Journal. 2000; 58(2):35-40.
- 2) **Mehrabi S**. Interstitial lung disease in scleroderma. Shiraz E-Medical Journal. 2003; 4(4).
- 3) Ghayumi MA, **Mehrabi S**, Doroudchi M, Ghaderi A. Diagnostic Value of Tumor Markers for Differentiating Malignant and Benign Pleural Effusions of Iranian Patients. Pathology Oncology Research 2005; 11(4):236–241.
- 4) Moradi Gh, Delavari A, **Mehrabi S**, Pooladi A, Bahram Rezaie M. Epidemiologic study of smoking among population of 15 to 64 years old in Kurdistan province in 2005. Scientific Journal of Kurdistan University of Medical Sciences 2007; 12(3):40-50.
- 5) **Mehrabi S**, Delavari A, Moradi Gh, Esmailnasab N, Pooladi A, Alikhani S, Alaeddini F. Smoking among 15-64 years old Iranian people in 2005. Iranian Journal of Epidemiology 2007; 3(1):1-9.
- 6) **Mehrabi S**, Delavari A, Moradi Gh, Ghaderi E. Prevalence of Asthma among 15-64 years old people in Kurdistan province in 2006. Iranian Journal of Epidemiology 2009; 4(3-4):93-98.

- 7) Ghayumi MA, **Mehrabi S**, Reis Jalali GA. Transudative chylous pleural effusion: Case report. *Respiratory Medicine CME* 2009; 2:31-32.
- 8) **Mehrabi S**, Sadin MR, Ghayumi MA. Determining the most suitable spirometric parameters to differentiate chronic obstructive pulmonary disease (COPD) from asthma. *Armaghne Danesh* 2010; 75-87.
- 9) Ghayumi MA, **Mehrabi S**, Zamirian M, Haseli J, Bagheri Lankarani K. Pulmonary complications in cirrhotic candidates for liver transplantation. *Hepatitis Monthly* 2010; 10(2):105-109.
- 10) Ghayumi SMA, **Mehrabi S**, Hosseini Asl M. Evolution of gas exchange abnormalities in patients with liver cirrhosis candidate for liver transplantation. *Iran Red Crescent Medical J* 2012; 14(5):171-175.
- 11) Geramizadeh B, Jowkar Z, Karami L, Masoumpour M, **Mehrabi S**, Ghayumi MA. Alpha-1 Antitrypsin Deficiency in Iranian Patients with Chronic Obstructive Pulmonary Disease. *Iran Red Cres Med J*. 2013;15(11): e7508.
- 12) Torabi-Nami M, **Mehrabi S**, Borhani- Haghighi A, Derman S. Opioid-induced Central Sleep Apnea Syndrome, a Case Study. *Austin Journal of Sleep Disorders* 2015; 2 (1): id1008.
- 13) Torabi-Nami M, **Mehrabi S**, Borhani- Haghighi A, Derman S. Withstanding the obstructive sleep apnea syndrome at the expense of arousal instability, altered cerebral autoregulation and neurocognitive decline. *Journal of Integrative Neuroscience*. 2015;14(2): 1–25.
- 14) Torabi-Nami M, **Mehrabi S**, Alighoki H, Zare Bijan, Derman S. The Sleep Position 'Aid and Toll' in Obstructive Sleep Apnea: A Lung-Brain Axis Perspective. *Austin J Sleep Disord*.2016;3(1):1-5. id1024.
- 15) **Mehrabi S**. An overview of post infectious coughs. *Trends in Pharmaceutical Sciences*. 2016: 2(1):11-16.
- 16) Torabi-Nami M, **Mehrabi S**, Derman S. Case Report: Repetitive Arm Movements During Sleep: A Polysomnographic Assessment. *Basic and Clinical Neuroscience*.2016; 7(3):269-275.
- 17) **Mehrabi S**, Sarikhani S, Roozbeh J. Sleep Quality in Patients Undergoing Long-term Hemodialysis Using the Pittsburgh Sleep Quality Index. *Nephrourol Mon*. 2017;9(2):e44278.
- 18) Nami M, **Mehrabi S**, Derman S. Employing Neural Network Methods to Label Sleep EEG Micro-Arousals in Obstructive Sleep Apnea Syndrome. *Journal of Advanced Medical Sciences and Applied Technologies*. 2017;3(4):221-6.
- 19) Dehghani R, Borhanihaghighi A, Shariat A, Nami M, Nazeri M, Abolhasani Foroughi A, **Mehrabi S**, Emamghoreishi M. Validity and Reliability of the Persian Versions of National Institute of Health Stroke Scale and Modified National Institute of Health Stroke Scale in Hospitalized Patients. *Gallen Medical Journal* 2019;8:e1188.
- 20) **Mehrabi S**, Dalfardi B. A young woman with left lower chest pain. *Eur J Intern Med*. 2019;63:e7-e8.
- 21) **Mehrabi S**, Mazidi Moradi M, Khodamoradi Z, Nazarinia MA. Effects of N-acetylcysteine on Pulmonary Functions in Patients with Systemic

- Sclerosis: A Randomized Double Blind, Placebo Controlled Study. *Current Rheumatology Reviews*, 2020;16(2):149-57.
- 22) Hassani H, **Mehrabi S**, Naraghirad E, Naghmachi M, Yüzbaşı S. An Optimization Method Based on the Generalized Polynomials for a Model Of HIV Infection of CD4<sup>+</sup> T Cells. *Iran J Sci Technol Trans Sci*.2020; 44(2):407-16.
  - 23) Naseri A, Emdad H, **Mehrabi S**, Sadrizadeh S, Abouali O. Inhalability of micro-particles through the human nose breathing at high free-stream airflow velocities. *Building and Environment*, 2020 July;179, 106948.
  - 24) Ahmadi A, Eftekhari MH, Mazloom Z, Masoompour M, Fararoei M, Eskandari MH, **Mehrabi S**, Bedeltavana A, Famouri , Zare M, Nasimi N, Sohrabi Z. Fortified whey beverage for improving muscle mass in chronic obstructive pulmonary disease: A single-blind, randomized clinical trial. *Respir Res*. 2020 Aug;21(1):216.
  - 25) Nami M, **Mehrabi S**, Kamali A, Kazemiha M, Carvalho J, Derman S, Lakey-Betia J, Vasquez V, Kosagisharaf R. A New Hypothesis on Anxiety, Sleep Insufficiency, and Viral Infections; Reciprocal Links to Consider in Today's "World vs. COVID-19" Endeavors. *Front Psychiatry*. 2020 Nov;11(1-9).
  - 26) Ahmadi A, Eftekhari MH, Mazloom Z, Masoompour M, Fararoei M, Eskandari MH, **Mehrabi S**, Zare M, Sohrabi Z. Inflammatory Status in Moderate and Severe COPD Patients. *Journal of Molecular Biology Research*. 2020 Nov; 10(1):155-165. DOI:10.5539/jmbr.v10n1p155.
  - 27) Nami M, **Mehrabi S**, Kamali AM, Tahamtan M, Derman S, Kosagiahara R. Spatial distribution of K-complexes in sleep quantitative-EEG among subjects with cogniform disorder. *Scandinavia Journal of Sleep Medicine*. 2021 January;1(1):1-6.
  - 28) Ahmadi A, Mazloom Z, Eftekhari MH, Masoompour SM, Fararoei, M, Eskandari MH, **Mehrabi S**, Zare M, Sohrabi Z. Muscle mass and function are related to respiratory function in chronic obstructive pulmonary disease. *Med J Islam Repub Iran*. 2021 Mar;35;263-69.
  - 29) Hassani H, Tenreiro Machado JA, **Mehrabi S**. An optimization technique for solving a class of nonlinear fractional optimal control problems: Application in cancer treatment. *Applied Mathematical Modelling*. 2021 May; 93:868-884.
  - 30) Hassani H, Machado JAT, Avazzadeh, Z, Safari E, **Mehrabi S**. Optimal solution of the fractional order breast cancer competition model. *Scientific Reports*, 2021 Aug;11(1):15622.
  - 31) **Mehrabi S**, Torkan J, Hosseinzadeh M. Effect of atorvastatin on serum periostin and blood eosinophils in asthma – a placebo-controlled randomized clinical trial. *J Int Med Res*. 2021 Dec; 49(12): 3000605211063721.
  - 32) **Mehrabi S**, Bagheri S. Clinical and polysomnographic characteristics in adults referred to the sleep laboratory: a single-center study. *Qatar Med J*. 2022 Mar 2;2022(1):14.

- 33) Hassani H, Tenreiro Machado JA, Avazzadeh Z, Naraghirad E, **Mehrabi S**. Optimal solution of the fractional-order smoking model and its public health implications. *Nonlinear Dyn* 2022 March; 1(108): 11071022073434.
- 34) **Mehrabi S**, Ebrahimi B, Heidari F, Nazarinia MA. Pulmonary Function Test in Rheumatoid Arthritis Patients. *Acta Med Iran* 2022; 60(5):307-312.
- 35) **Mehrabi S**, Toghraee E. Association between serum 25-hydroxy vitamin D levels and severity of asthma. *Clinical Nutrition ESPEN* 2022 June; 49:197-200.
- 36) Aghaeimeybodi F, Derakhshan Barjoei MM, Mohammadi M, Ghasemirad H, **Mehrabi S**. Delayed COVID-19-induced cytokine storm after root canal therapy with favorable response to plasmapheresis, tocilizumab, and methylprednisolone pulses therapy: A case report. *Clin Case Rep.* 2022;10:e06106.
- 37) **Mehrabi S**, Rahmanian J, Jalli R. The Accuracy of Lung Ultrasonography Diagnosis of Community-Acquired Pneumonia, in an Adult Cohort. *Journal of Diagnostic Medical Sonography.* July 2022. DOI: <https://doi.org/10.1177/87564793221115197>.
- 38) Shamohammadi H, **Mehrabi S**, Sadrizadeh S, Yaghoubi M, Abouali O. 3D numerical simulation of hot airflow in the human nasal cavity and Trachea. *Computers in Biology and Medicine*, 2022 Aug; 147:105702

#### **Oral and Poster Presentations**

- 1) Karimzadeh H, **Mehrabi S**. Alkaptonuria in a family. The fifth congress of Iranian college of Internal Medicine, 26-28/4/1994, Isfahan, Iran. Poster presentation.
- 2) **Mehrabi S**, Ghayumi MA, Ghaderi A, Doroudchi M. Diagnostic value of tumor markers CEA, CA 125, CA 15-3 and NSE level determination in the sera and pleural fluids in patients with malignant pleural effusions, 71st annual international scientific assembly of the American College of Chest Physicians. Oct 29-Nov 3, 2005, Montreal. Canada; Poster presentation.
- 3) Torabi-Nami M, **Mehrabi S**. Drowsy driving and road accidents; screening and treating the sleep-related underlying causes. 5<sup>th</sup> International conference on reducing burden of road traffic accidents. 25, 26 February 2015. Shiraz, Iran; Oral presentation.
- 4) Torabi-Nami M, Boostani R, **Mehrabi S**, Derman S. Neural network methods to define sleep microstructure in patients with obstructive sleep apnea syndrome. 9<sup>th</sup> IBRO Congress on neuroscience. 11 Jul 2015, Rio de Janeiro. Brazil; Poster presentation.
- 5) Torabi-Nami M, **Mehrabi S**. Subjective and Objective Sleep Parameters in Methadone Maintenance Therapy Patients; An Interim Report from a Hospital-based Sleep Disorders Laboratory. 9th Annual International Congress on Addiction Science. 9 September 2015. Tehran, Iran. Oral presentation.

- 6) Torabi-Nami M, **Mehrabi S**, Derman S, Ribeiro S. The interface of sleep spindle dynamics and neurocognitive performance in obstructive sleep apnea syndrome. World Sleep 2015. Oct 31-November 3, 2015. Istanbul, Turkey. Poster presentation.
- 7) Torabi-Nami M, **Mehrabi S**, Aligholi H, Zare B. Excessive Daytime Sleepiness, Dozing at the Wheel and Road Safety. 5th International Road Safety and Pediatric Trauma Congress. Tehran, Iran. Oral presentation.
- 8) Torabi-Nami M, **Mehrabi S**, Zare B, Nazaraghaie F, Derman S. Disrupted calcium signaling and periodic leg movements during sleep in hypertensive-obstructive sleep apnea patients; a correlation study. 6th World Congress of Oxidative Stress, Calcium Signaling and TRP Channels. 24 – 27 May 2016. Isparta, Turkey; Oral presentation. Journal of Cellular Neuroscience and Oxidative Stress. 2016; 8(1): 474-5.
- 9) Nami M, **Mehrabi S**, Derman S. Employing Neural Network Methods to Label Sleep EEG Micro-arousals in Obstructive Sleep Apnea Syndrome Basic and Clinical Neuroscience Congress 2017. 20-22 Dec 2017, Tehran, Iran.
- 9) Nazarinia MA, **Mehrabi S**, Khodamoradi Z, Mazidi Moradi M. Effects of N-acetylcysteine on Pulmonary Functions in Patients with Systemic Sclerosis: A Randomized Double Blind, Placebo Controlled Study. European Congress of Rheumatology June 2020, Frankfurt, Germany. Ann Rheum Dis 2020 June;79:Suppl 1. 0.1136/annrheumdis-2020-eular.3032.
- 10) Behnia M, Hejazi M, **Mehrabi S**, Sedaghat H, Ahmadi G, Abouali O. FSI Simulation of OSAHS and UPPP Virtual Surgery. American Thoracic Society International Conference 2022. 13-18 May, San Francisco, US. [https://doi.org/10.1164/ajrccm-conference.2022.205.1\\_MeetingAbstracts.A5667](https://doi.org/10.1164/ajrccm-conference.2022.205.1_MeetingAbstracts.A5667). B66. N ALL-INCLUSIVE SRN EXPERIENCE: DIAGNOSIS, CONSEQUENCES, AND MANAGEMENT OF SLEEP DISORDERS Pages A5667-A5667. American Thoracic Society.