

CURRICULUM VITAE

Atefeh Fakharian

CONTACT INFORMATION

National Research Institute of Tuberculosis and Lung Diseases (NRITLD)
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**Pulmonologist,
Assistant Professor,
Shahid Beheshti University of Medical Sciences
Tehran
Iran**

Current Position

- **Assistant Professor, Department of Pulmonary Medicine, Shahid Beheshti University of Medical Sciences, Working as a Deputy in Educational Affairs**
- **Chief Director of the Non-Invasive Ventilation and Pulmonary rehabilitation Department, Masih Daneshvari Hospital. Tehran, Iran**

Clinical experience

Excellent clinical experience with procedures including:

- **Airway (intubation)**
- **Central line placement**
- **Thoracentesis**
- **Paracentesis**
- **Extensive ICU experience and Vent management**
- **Non-Invasive Ventilation and Pulmonary Rehabilitation**

EDUCATION

Doctor of Medicine (M.D.), Tehran University of Medical Sciences, Tehran, Iran 1992

Residency, Internal Medicine, Tehran University of Medical Sciences, Tehran, Iran 2002

Residency, Pulmonology, Shahid Beheshti University of Medical Sciences, Tehran, Iran 2010

Professional Experience

**Teaching Assistant, Jan 2011- Present Shahid Beheshti University of Medical Sciences,
Tehran, Iran**

Non-Invasive Ventilation and Pulmonary Rehabilitation

Internal Medicine Practitioner, March 2003-Dec 2008 in Masih Daneshvari Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Medical Practitioner, Nov 1992- Dec 1995 in Tehran, Iran

Presentations/Awards

- European Adult Respiratory Diploma
- Research in Tufts Medical Center, Boston, MA, USA, November 2012- December 2012
- Workshop in sleep study

Publications

Hedayati N, Mortezaee V, Mahdavi SA, Mirenayat MS, Hassanzad M, Pourabdollah M, Heshmatnia J, Fakharian A, Pourdolat G, Sharifynia S, Vakili M, Abastabar M, Haghani I, Alialy M, Asgarian-Omran H, Hedayati MT. Prevalence of specific immunoglobulin E and G against *Aspergillus fumigatus* in patients with asthma. *Curr Med Mycol.* 2018; 4(4): 7-11.

SEYED ALIREZA MAHDAVIANI¹, SEPIDEH DAROUGARI^{1,*}, DAVOUD MANSOURI²,
5 SABEREH TASHAYOIE-NEJAD¹, MAHSHID MOVAHEDI¹, KARIM RAHIMI AGHDAM¹,
6 HOSSEINALI GHAFFARIPOUR¹, NOOSHIN BAGHAIE¹, MARYAM HASSANZAD¹,
7 ALIREZA ESLAMINEJAD³, ATEFEH FAKHARIAN³, GUITTI POURDOWLAT³,
8 JALAL HESHMATNIA³, MEHRDAD BAKHSHAYESHKARAM¹,
9 MOHAMMADREZA BOLOURSAZI¹, PAYAM TABARSI², SEYED KAREN HASHEMITARI¹,
10 ALI AKBAR VELAYATI⁴. Pulmonary complications of predominantly 2 antibody immunodeficiencies in a tertiary lung center; *Interventional Medicine & Applied Science*, Vol. 0 (0), pp. 1–6 (2018)

Alireza Eslaminejad¹, Kimia Taghavi^{1}, Mohammadali Zohal³, Mehrnoosh Kialashaki³, Atefeh Fakharian¹; Speleotherapy as an Effective Treatment of Chronic Obstructive Pulmonary Disease: Journal of Respiratory Medicine and Lung Disease : 2017 | Volume 2 | Issue 5 | Article 1029*

Tayebeh Farhadi¹ · Atefeh Fakharian¹ · Seyed MohammadReza Hashemian¹, Affinity Improvement of a Humanized Antiviral Antibody by Structure-Based Computational Design; *International Journal of Peptide Research and Therapeutics*; 11 December 2017

Atefeh Abedini¹, Kimia Taghavi¹, Seyed Reza Seyedi¹, Atefeh Fakharian¹, Shahram Kharabian Masouleh¹ and Arda Kiani², Comparison of Correlation of Farsi Translation of CAT and SGRQ in Patients with COPD; *SM Lung Cancer Res Ther.* 2017; 1(1): 1003

Atefeh Fakharian¹, Shahram Kharabian Masouleh^{1,*}, Saba Karimzadeh¹ and Hamidreza Jamaati¹. Noninvasive Positive-Pressure Ventilation: A Cross Sectional Descriptive Study of Our First Experience in Iran; *Iran Red Crescent Med J.* 2017 November; 19(11):e62237

Atefeh Fakharian¹ AND Masoumeh Hoseini Askarabadi^{1,2}
NON-INVASIVE POSITIVE PRESSURE VENTILATION FOR MANAGEMENT OF PATIENTS WITH MODERATE TO SEVERE ACUTE EXACERBATION OF ASTHMA
Journal of International Research in Medical and Pharmaceutical Sciences
12(1): 7-11, 2017

Atefeh Fakharian, Shahram Kharabian Masouleh* and Tayebeh Farhadi
Relation between Cor Pulmonale Status and Metrics of Six Minute Walk Test in Patients with Chronic Obstructive Pulmonary Disease: A Cross Sectional Study
Chron Obstruct Pulmon Dis 2017 Vol No 2 Iss No 1: 25.

Somayeh Sadeghi¹, Atefeh Fakharian², Peiman Nasri³ and Arda Kiani⁴

Comparison of Comfort and Effectiveness of Total Face Mask and Oronasal Mask in Noninvasive Positive Pressure Ventilation in Patients with Acute Respiratory Failure: A Clinical Trial Hindawi Publishing Corporation Canadian Respiratory Journal ;Volume 2017, Article ID 2048032, 6 pages

Shahram Kharabian Masouleh^{1*}, Atefeh Fakharian¹, Jalal Heshmatnia¹, Habib Emami², Azizollah Abbasi-Dezfouli³ and Tayebeh Farhadi¹ : Short Term Effect of Supervised Pulmonary Rehabilitation Program after Lung Transplantation Surgery on Quality of Life and Exercise Capacity; the First Report of Iranian Experience : J Surgery Emerg Med 2017: 1:8

Naghmeh Bahrami^{1,2}, Hamidreza Jamaati³, Jalal Heshmat Nia³, Payam Tabarsi⁴, Atefeh Fakharian³, Habib Emami⁵, Somayeh Sharifynia⁴, Masoum Abniki⁶, Abdolreza Mohamadnia^{7,8} Two Molecular Markers of Early Non-Small Cell Lung Carcinoma Based on Gene Expression in Peripheral Blood : Open Journal of Clinical Diagnostics, 2017, 7, 91-102

Atefeh Fakharian, Shahram Kharabian Masouleh*, Saba Karimzadeh and Tayebeh Farhadi : Validation of the COPD Assessment Test in Patients with COPD in Iran : Chron Obstruct Pulmon Dis 2017 : 2: 22.

Arezo Shahi¹, Naghmeh Bahrami², Atefeh Fakharian^{3,4}, Somayeh Sharifynia⁵, Elham Moslemi^{6*}, Amir Izadi^{7,8}, Adnan Khosravi⁹, Hamidreza Jamaati^{3,4}, Abdolreza Mohamadnia^{10,11} : Human Epididymis Protein-4 Gene Expression as a Biomarker in Patients with Ovarian Cancer in Iran: Open Journal of Clinical Diagnostics, 2017, 7, 83-90

Tayebeh Farhadi¹ · Atefeh Fakharian¹ · Roman S. Ovchinnikov² Virtual Screening for Potential Inhibitors of CTX-M-15 Protein of *Klebsiella pneumonia* Interdiscip Sci Comput Life Sci 2017 ;4

Hooman Sharifi¹, Mostafa Ghanei², Makan Sadr³, Habib Emami¹, Atefeh Fakharian⁴, Zahra Hessami¹, Mahshid Aryanpur¹, Hamidreza Jamaati¹, Mohammad Reza Masjedi Prevalence and Geographic Distribution Pattern of Asthma in Tehran by ECRHS *Tanaffos* 2016; 15(4): 236-242

Neda Behzadnia¹, Babak Sharif kashani¹, Arda kiani², Atefeh Abedini², Seyed Reza Seyedi¹, Hossein Zargham Ahmadi¹, Farah Naghash Zadeh¹, Atefeh Fakharian Treatment of Recurrent Prosthetic Mitral Valve Thrombosis with Reteplase: A Report of Four Cases ;*Tanaffos* 2016; 15(2): 117-120

Atefeh Fakharian¹, Atosa Dorudinia², Ilad Alavi Darazam¹, Davood Mansouri³, Mohammad Reza Masjedi¹ Acremonium Pneumonia: Case Report and Literature Review *Tanaffos* 2015; 14(2): 156-160,

Atefeh Fakharian¹, Nicholas S. Hill² * NIPPV: Where Are We Now? *Tanaffos* 2013; 12 (3): 6-8

Majid Malek Mohammada, Fanak Fahimib,c, Atefeh Fakhariand, Masoumeh Karimi Gamishanb, Mohammad Sistanizadc, Nader Fayazie and Soheila

Khalilzadeh^{*} ,

Methacoline Challenge test as an Evaluator of Response to Statins in Bronchial Hyperresponsiveness , Iranian Journal of Pharmaceutical Research (2012), 11 (3): 969-977

Fanak Fahimi,1,2 Farzad Kobarfard,3 Jamshid Salamzadeh,1 Atefeh Fakharian,4 Pegah Abdolahi,1

Azita Hajhossein Talasaz,5 Hamid Mahboobi Pour,6 Shadi Baniyasi,7 and Mohammadreza Masjedi8, The Bioavailability of Salbutamol in Urine via Volumatic and Nonvolumatic Valved Holding Chambers .WAO Journal 2011; 4:179–18

Seyed Mohammad Reza Hashemian, Hamid Reza Jamaati, Majid Malekmohammad, Elnaz Ehteshami Afshar, Oldoz Alesh, Golnar Radmand, Atefeh Fakharian, Assessing the Performance of Two Clinical Severity Scoring Systems in the ICU of a Tertiary Respiratory Disease Center, Journal of Respiratory Disease, Thoracic Surgery, Intensive Care And Tuberculosis » Vol. 9, No. 3

Fakharian, A., Hamidi, N., Hosseinloo, B.H., Rezaei, S., Afshar, E.E., Sharif-Kashani, B., Behzadnia, N., Karam, M.B., Gachkar, L., Emami, H, Correlation between the pulmonary artery pressure measured in echocardiography and pulmonary artery diameter in the CT-scan of patients suffering from interstitial lung disease, Journal of Tanaffos 10 (3), pp. 37-41, 2011

Darazam, I.A., Fakharian, A., Shadmehr, M.B., Dorudinia, A., Mansouri, D., A twenty-year-old woman with hemoptysis, Journal of Tanaffos 10 (3), pp. 67-70, 2011

Tabarsi, P., Moradi, A., Marjani, M., Baghaei, P., Hashemian, S., Nadji, S., Fakharian, A., Mansouri, D., Masjedi, M., Velayati, A., Factors associated with death or intensive care unit admission due to pandemic 2009 influenza A (H1N1) infection, Journal of Annals of Thoracic Medicine 6 (2), pp. 91-95, 2011

Mohammadi, F., Sereshki, F., Fakharian, A., Kahkouee, S., Bakhshayesh-Karam, M., Is mining the main cause of silicosis? Case series, Journal of Tanaffos 9 (3), pp. 37-43, 2010

Fallah Tafti, S., Fakharian, A., Karimi, S., Faridian-Eragh, D., Mokri, B., Idiopathic bronchiolitis obliterans organizing pneumonia: Case review, Journal of Tanaffos 8 (2), pp. 31-36, 2010

Fahimi F., Salamzadeh J., Jamaati H.R., Sohrabi S., Fakharian A., Mohammad Taheri Z., Do Statins Improve Lung Function in Asthmatic Patients? A Randomized and Double-Blind Trial, Iranian Journal of Pharmaceutical Sciences Winter 2009; 5 (1):13-20

Fakharian, A., Fahimi, F., Salamzadeh, J., Mohammadi, M., Masjedi, M.R., Spirometric improvements with two commonly used spacers in asthmatic patients, Journal of tanaffos 7 (3), pp. 37-40, 2008

Fakharian A., Jamaati H.R., Tahbaz M.O., Khalilzadeh S., Behgam Shadmehr M., CLINICAL AND RADIOLOGICAL PRESENTATION OF PULMONARY LANGERHANS CELL HISTIOCYTOSIS: A CASE SERIES OF 20 PATIENTS, Scientific Journal of Hamadan University of Medical Sciences and Health Services Summer 2008; 15 (2 (SN48)): 66-69.

Fakharian A., Bakhshayesh Karam M., Mansouri S.D., PUBIC OSTEOMYELITIS FOLLOWING INGUINAL HERNIA REPAIR: A CASE REPORT OF pubis

osteomyelitis following inguinal herniation surgery. *Iranian Journal of Surgery* Winter 2008; 15 (4): 79-82.

Khalilzadeh, S., Karimi, S., Fakharian, A., Hakimi, S.S., Generalized lymphadenopathy: A case report of Rosai-Dorfman Disease, *Journal of Tanaffos* 6 (3), pp. 65-67, 2007.

Ebrahimi Daryani N., Nakhjavani M., Mirmoumen Sh., Bahrami H., Haghpanah Behzad, Fakharian A., PREVALENCE OF ANTIGLIADIN AND ANTIENDOMYSEAL ANTIVODIES IN ADULTS WITH TYPE 1 DIABETES MELLITUS. *Iranian Journal of Endocrinology and Metabolism (IJEM)* Winter 2003; 4 (4(SN16)): 225-228.

Ongoing Proposals

1-Comparison NIV and HFNC in COPD patients

2- Evaluation of Effectiveness of Pulmonary Rehabilitation for COPD Patients: Before and After Evaluation following Three weeks of Rehabilitation in Patients at Masih Daneshvari Hospital

3-Effects of Non-Invasive Ventilation (NIV) in Exacerbation chronic obstructive pulmonary disease (COPD) patients on inflammatory factors (Metalloproteinases 9& 12, IL 8, IL6, INF)& respiratory markers

4- Effect of Non-Invasive Ventilation (NIV) in cardiac transplantation

5- Evaluation of Effectiveness of Non-Invasive Ventilation (NIV) and Pulmonary Rehabilitation for sever COPD Patients : CAT questioner

6- Evaluation respiratory failure in ALS patients

Abstract in American thoracic Society:

[A64 – CLINICAL ASTHMA :ASSESSMENTAND TREATMENT 2019](#)

Value and Safety of High Flow Oxygenation in the Treatment of Inpatient Asthma; A Randomized, Double-Blind, Clinical Trial

Abstract in European Respiratory Society:

[Investigation of short term effect of supervised pulmonary rehabilitation program following lung transplantation surgery; the first report of Iranian experience](#)

Atefeh Fakharian, Shahram Kharabian, Alireza Eslaminejad*European Respiratory Journal* 2016 48: PA2551;

[Comparison of Comfortability and Effectiveness of Total Face Mask and Oronasal Mask in Non-invasive Positive Pressure Ventilation in Patients with Acute Respiratory Failure 2016 Monaco](#)

Atefeh Fakharian M.D., Somayeh Sadeghi M.D. *Pulmonary Rehabilitation and Non Invasive Ventilation, National Research Institute of Tuberculosis and Lung Disease, Tehran, Islamic Republic of Iran*

[PA725 :Evaluation of the validity and reliability of the CAT \(COPD assessment test\) questionnaire among COPD patients attending Masih Daneshvari Hospital 2015](#)

Atefeh Fakharian¹, Firouzeh Talischi¹, Saeed Fallah Tafti¹

¹Pulmonary Rehabilitation and Non Invasive Ventilation, National Research Institute of Tuberculosis and Lung Disease, Tehran, Islamic Republic of Iran

[IL-8 changes in COPD exacerbations to improve clinical 2013](#)

Atefeh Fakharian, Farid Maleki, Esmail Mortaz, Mohammadreza Masjedi
National Research Institute of Tuberculosis and Lung Diseases (NRITLD)

[Session 84: Rare diffuse lung diseases - Sunday, 25.09.2011 - 12:50:00-14:40:00 - Hall 2-7](#)

645 / P645: Pulmonary manifestations of systemic sclerosis, a report from Iran; A. Fakharian, N. Mansouri, M. Karimi, A. Zamani, D. Mansouri (Tehran, Islamic Republic Of Iran)

[Session 269: Lung transplantation - Monday, 26.09.2011 - 12:50:00-14:40:00 - Hall 2-22](#)

2456 / P2456: Effect of BIPAP on diaphragm paralysis after single lung transplantation; S. Shafaghi, P. Adimi, A. Fakharian, A. H. Nassiri, F. Ghorbani, S. S. M. Makki, H. R. Khoddami Vishteh, K. Najafizadeh (Tehran, Islamic Republic Of Iran; Lyon, France)

[Session 75: Clinical aspects of diffuse parenchymal lung disease - Sunday, 13.09.2009 - 12:50-14:40 - Hall A-11](#)

732: Clinical and radiological findings in patients with silicosis based on ILO classification; A. Fakharian, S. Kahkooi, M. Nikoonya, S. Salehpour, M. Bolursaz, M. Masjedi (Tehran, Islamic Republic Of Iran)

[Session 195: Treatment of airways disease - Monday, 14.09.2009 - 12:50-14:40 - Hall A-7](#)

2084: Are the spacers different in terms of lung bioavailability of salbutamol? An observational comparative study; S. Baniasadi, F. Fahimi, J. Salamzadeh, F. Kobarfard, A. Fakharian, P. Abdollahi, M. R. Masjedi (Tehran, Islamic Republic Of Iran)

[Session 197: Pleural diseases and interventions - Monday, 06.10.2008 - 08:30-10:30 - London 2](#)

1658: The diagnostic yield of pleural cytology, needle biopsy, and video assisted thoracoscopic surgery: a survey; M. Malekmohammad, A. Fakharian, P. Faraji, P. Zarrinnegar, H. Emami (Tehran, Islamic Republic Of Iran)

[Session 98: Considerations in the management of idiopathic pulmonary fibrosis and other interstitial lung diseases - Sunday, 16.09.2007 - 12:50:00-14:40:00 - Hall C-14](#)

P817: The relation between pulmonary artery pressure on echocardiography and pulmonary artery diameter on CT scan in patients with interstitial lung diseases; A. Fakharian, B. Hajihosseini, N. Hamidi, S. Rezaee, B. Sharif Kashani, M. Bakhshayesh Karam, N. Behzadnia, L. Gachkar, H. Emami (Tehran, Islamic Republic Of Iran)

[Session 306: New drugs for asthma - Tuesday, 18.09.2007 - 08:30:00-10:30:00 - Room C2](#)

2960: Does atorvastatin have effect on lung function and morbidity as add-on therapy in asthmatic patients?; F. Fahimi, S. Sohrabi, H. Jamaati, Z. Mohammad Taheri, A. Fakharian, J. Salamzadeh (Tehran, Islamic Republic Of Iran)

[Session 41: Clinical management of interstitial lung disease - , - - - E-posters in free access](#)

E644: Bronchiolitis obliterans organizing pneumonia in idiopathic fashion: a report from NIRTLD; S. Fallah Tafti, A. Fakharian, S. Karimi, D. Faridian Eragh (Tehran, Italy)

[Session 204: Various parenchymal lung diseases and pulmonary hypertension - Monday, 04.09.2006 - 10:45-12:45 - Room C1b](#)

P2271: Hypersensitivity pneumonitis: a clinical, radiological and pathological study; A. Fakharian, K. Najafizadeh, F. Mohammadi, S. Zahirifard, M. Javaherzadeh (Tehran, Islamic Republic Of Iran)

Director of program in National Research Institute of Tuberculosis and Lung Diseases (NRITLD) Congresses:

- **Oct 2018** Nasal High Flow Treatment NRITLD Tehran Iran (CME)
- **Aug 2018** Management of Sever Asthma NRITLD Tehran Iran (CME)
- **Oct 2017** Pulmonary rehabilitation and NIV in patients with respiratory diseases, NRITLD-Tehran, Iran (CME)
-
- **Aug. 2014** Respiratory problems in Athletes, NRITLD- Tehran, Iran (CME)
- **Jan. 2015** Pulmonary rehabilitation and NIV in patients with respiratory diseases, NRITLD-Tehran, Iran (CME)
- **Apr. 2015** Exercise based tests interpretation in cardiopulmonary patients, NRITLD-Tehran, Iran (CME)
- **Oct. 2015** Exercise stress tests in patients with respiratory diseases- 7th international congress of respiratory and critical care diseases- Tehran, Iran
- **Oct. 2015** Exercise prescription after lung transplantation-7th international congress of respiratory and critical care diseases- Tehran, Iran
- **Oct 2015** Exercise prescription and pulmonary rehabilitation workshop- 7th international congress of respiratory and critical care diseases- Tehran, Iran
- **Nov. 2015** High altitude Medicine, NRITLD, Tehran, Iran

Other congress presentations:

- **Aug 2015** Exercise prescription and pulmonary rehabilitation workshop-

Rasht, Iran

- **Dec. 2015** **Pulmonary Rehabilitation workshop for sports medicine and physical therapists- Sari, Iran**
- **Jan. 2016** **NIV in Iran. A 10 year's experience. Lung Health 2016, Monaco**

Honorary Memberships

- **Editor –in-Chief of Iranian Journal of “Women’s Health”**
- **Member of Editorial Board of National Journal of Iranian Medical System**