

Siamak Afaghi, M.D.

📍 Tehran, Iran

☎ +98 (912) 131-8252

✉ Siamak.afaghi@sbmu.ac.ir , Drafaghi@gmail.com

▶ <https://scholar.google.com/citations?user=KuQQBCcAAAAJ&hl=en>

▶ <https://orcid.org/0000-0002-2752-4440>

▶ <https://www.researchgate.net/profile/Siamak-Afaghi>

Summary

- Passionate and talented medical professional with three years of experience of research in the field of internal medicine leading to 10 published papers and exceed of 135 citations due to google scholar reports.

Education

- Doctor of Medicine (M.D.), Faculty of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran 2015 – 2022

Graduation GPA: 17.۲۴ / 20

Thesis title: “Chest CT Imaging Characteristics of COVID-19 Pneumonia in Survived and Non-Survived Hospitalized Patients: A Retrospective Study in a Referral Center in Tehran, Iran”

Supervisor: Dr. Sara Basharat, Department of Radiology, Shahid Labafi-Nejad Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran Besharat.sara@gmail.com

Research Interests

- COVID-19
 - Obesity
 - Metabolic syndrome
 - Cardiovascular-diseases
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Internships

- **Medical intern** January 2020-September 2021
Shahid Beheshti University of Medical Sciences, Tehran, Iran
 - **Hospital management internship** January 2021- October 2021
Farmanieh Hospital, Tehran, Iran
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Clinical research assistant

- Hepatology and Nutrition Research Center, Research Institute for Children’s Health, Shahid Beheshti University of Medical Sciences, Tehran, Iran August 2019- January 2020
 - Research institute of Internal Medicine, Shahid Modarres Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran February 2020- February 2022
 - Preventive metabolic disorders, Research institute of endocrinology, Shahid Beheshti University of Medical Sciences, Tehran, Iran. March 2022- *present*
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Published articles

1. **Afaghi S**, Tarki FE, Rahimi FS, Besharat S, Mirhaidari S, Karimi A, Alamdari NM. Prevalence and Clinical Outcomes of Vitamin D Deficiency in COVID-19 Hospitalized Patients: A

- Retrospective Single-Center Analysis. *The Tohoku Journal of Experimental Medicine*. 2021;255(2):127-34.
2. Hojjati F, Mojen LK, Hosseini A, Tabari AK, **Afaghi S**, Mohajerzadeh L, RahimiFS, Farahani AZ. Evaluating the Effect of Bowel Management Training Program on Quality of Life in Children with Fecal Incontinence. *Journal of Comprehensive Pediatrics*. 2022;213(1).
 3. **Afaghi S**, Rahimi FS, Esmaeili Tarki F, Yazdani S, Hosseini A, Sayyari A. The Impact of Maternal Breast Milk in Preventing Necrotizing Enterocolitis: A Narrative Review. *Journal of Comprehensive Pediatrics*. 2021 Feb 28;12(1).
 4. Alamdari NM, **Afaghi S**, Rahimi FS, Tarki FE, Tavana S, Zali A, Fathi M, Besharat S, Bagheri L, Pourmotahari F, Irvani SS. Mortality risk factors among hospitalized COVID-19 patients in a major referral center in Iran. *The Tohoku journal of experimental medicine*. 2020;252(1):73-84.
 5. Alamdari NM, Rahimi FS, **Afaghi S**, Zarghi A, Qaderi S, Tarki FE, Ghafouri SR, Besharat S. The impact of metabolic syndrome on morbidity and mortality among intensive care unit admitted COVID-19 patients. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 2020 Nov 1;14(6):1979-86.
 6. **Afaghi S**, Tarki FE, Rahimi FS, Irvani SS, Besharat S, Alamdari NM, Bagheri L. Therapeutic options and critical care strategies in COVID-19 patients; where do we stand in this battle? *School of Medicine Students' Journal*. 2020 May 7;2(2):3-12.
 7. Rahimi FS, **Afaghi S**, Tarki FE, Goudarzi K, Alamdari NM. Viral outbreaks of SARS-CoV1, SARS-CoV2, MERS-CoV, influenza H1N1, and ebola in 21st Century; a comparative review of the pathogenesis and clinical characteristics. *School of Medicine Students' Journal*. 2020;2(3):1-8.

8. Qaderi F, Tarki FE, Shah J, **Afaghi S**, Delsoz M. Generalized, non-neonatal tetanus is a highly fatal disease in Afghanistan: A case series study. *International Journal of Infectious Diseases*. 2021 Feb 1; 103:568-72.
9. Besharat S, Rahimi F, **Afaghi S**, Esmaili Tarki F, Pourmotahari F, Fathi M, Zali A, Sanei Taheri M, Ghanaati H, Malekpour Alamdari N. Chest CT Imaging Characteristics of COVID-19 Pneumonia in Surviving and Non-Surviving Hospitalized Patients: A Retrospective Study in a Referral Center in Tehran, Iran. *Iranian Journal of Radiology*. 2021 Apr 30;18(2).
10. **Afaghi S**, Khoshpour N, Hosseini A, Tarki FE, Rahimi FS, Nilipour Y, Dara N, Imanzadeh N. A Rare Case Report of Duodenal Adenocarcinoma Accompanied by Cerebellar Medulloblastoma. *School of Medicine Students' Journal*. 2020 Jun 16;2(2):23-6.

Under revision/Under review papers

1. Risk Factors for Recurrence of Anal Abscess in Patients with Type 2 Diabetes Mellitus:
 - a. A 4-Year Retrospective Single-Center Analysis
2. Upon-admission predictors for prolonged mechanical ventilation in critical geriatric
3. Evaluation of N-Acetylcysteine as adjuvant therapy for hospitalized COVID-19 patients; A single-center prospective cohort study. *International Journal of Infectious Diseases*
4. Consecutive Sequential Organ Failure Assessment (SOFA) Score Evaluation as Predictor of 28day Mortality among COVID-19 Patients Admitted in Intensive Care Unit.
5. Risk Factors, Thromboembolic Events, and Clinical Course of New-Onset Atrial Fibrillation Among COVID-19 Hospitalized Patients; A Multi-Center Retrospective Cohort Analysis.

6. Missed bronchial web in a 4-years old boy with foreign body aspiration: a case report
7. Eosinophilic count for treatment prognosis in patients with exacerbation of chronic pulmonary obstruction
8. The association of serum creatine phosphokinase (CPK) levels with severity of lung involvement and hypoxia in patients with COVID-19
9. Fatty liver index (FLI) cut-off points for subclinical nonalcoholic fatty liver disease (NAFLD): A middle-eastern population-based study in Iran
10. The efficacy of high dose and low dose methylprednisolone on critical COVID-19 disease outcome: A randomized clinical trial
11. Rasmussen aneurysm as a rare complication of pulmonary tuberculosis in a 45-years-old man with Hepatitis-C co-infection

Ongoing projects

1. Seasonal variation of blood pressure and its relation to ambient temperature: Tehran lipid glucose study
2. Seasonal variation of lipid profile and its relation to ambient temperature: Tehran lipid glucose study
3. Seasonal variation of atherosclerotic cardiovascular disease (ASCVD) score and its relation to ambient temperature: Tehran lipid glucose study
4. Urine c-peptide creatinine ratio as independent risk factor of coronary artery disease in type 2 diabetes mellitus patients.

5. Comparative evaluation of immunologic responses against COVID-19 in patients undergone sleeve gastrectomy
 6. Characteristics, risk factors and clinical outcomes of young women with acute myocardial infarction: a retrospective multi-center analysis in Iran.
 7. Predicting Atrial Fibrillation after Gastrectomy using CHA2DS2-VASC Score: A Retrospective Observational Study
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Reviewer of Journals

1. Canon Journal of Medicine
 - a. Evaluation of behavioral risk factors and functional disorder in Thalassemia major (TM) patients and their families, a retrospective cross-sectional study; 2022 February 21
 2. Archives of Academic Emergency Medicine
 - a. Mucor mycosis in Hospitalized Patients during COVID-19 Era, a Cross-sectional study from Iran; 2022 April 25
 3. Canon Journal of Medicine
 - a. Consider COVID-19 when a child presents with severe croup in summer; 2022 June 2
 4. Archives of Academic Emergency Medicine
 - a. Efficacy and Safety of Sofosbuvir in the treatment of SARS-CoV-2: An Open label phase II trial, 2022 July 3
 5. Canon Journal of Medicine
 - a. Evaluation of two Psychophysical Health Indicators in Elderlies of Bam, Iran; 2022 July 6
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International awards

- Winner of the most cited published article in 2021 in the "Tohoku journal of experimental medicine " journal with 59 citation (TJEM, Q1, IF=2.8), Sendai, Japan July 2022

“Alamdari NM, **Afaghi S**, Rahimi FS, Tarki FE, Tavana S, Zali A, Fathi M, Besharat S, Bagheri L, Pourmotahari F, Irvani SS. Mortality risk factors among hospitalized COVID-19 patients in a major referral center in Iran. The Tohoku journal of experimental medicine. 2020;252(1):73-84.”

Volunteers experience and causes

1. Charitable association member of the “Mahak Society” (a non-governmental organization to support children with cancer) in Iran. December 2014- Now

Contribution: Holding conferences to improve public health, including subjects on cancer and organ donation. Setting up local projects in the community to inform people on common fictions about children cancer and projects to raise money in support of the pediatric patients of cancer.

2. National coordinator of “Heartbeat” project in Iran: A transnational project of IFMSA (International Federation of Medical Students' Associations). March 2017- May 2018

Contribution: Planning and executing various plans to increase people’s awareness about public health concerns including Diabetes Mellitus, Hypertension, Obesity, i.e.; holding seminars, running online campaigns and activities, etc.

Miscellaneous

3. Ranked 910th among 524,006 participants (present at the examination) in Iran's National Public Universities' Examination in the Experimental Sciences group = **Top 99.998%** 2014 June
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Language

- English Professional proficiency (General IELTS=7.5)
 - Persian Native proficiency
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General Skills

- Scientific Writing
 - Peer-reviewing
 - Study Design
 - Designing Clinical Trials
 - Data Collection
 - Statistical Reasoning
 - Public Speaking
 - Adaptability
 - Team Work
 - Action Planning
 - Leadership
 - EndNote
 - SPSS
 - Microsoft Office
 - Word press
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Laboratorial Skills

- Polymerase chain reaction (PCR) and Real Time Polymerase chain reaction (RT-PCR):
 - PCR Primer design
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Hobbies and interests

- Stock market technical analysis:
 - ❖ Prediction of price trends using support and resistance areas, trends, channels, Fibonacci ratios, Eliot waves, bullish and bearish special patterns

- ❖ over 2 years of experience in Digital cryptocurrency and Iranian stock market

 - Oil painting:
 - ❖ over 15 years of experience in painting in the field of Realism art
 - ❖ winner of the best young painter in the festival of “Art in Islamic Middle-east Nations”, 2014
 - ❖ Five exhibition and gallery with more than 50 oil paintings inspired from north nature of Iran and Caspian Sea (2011,2012, 2015,2015,2019)

 - Photography
 - Reading and podcasting
 - Volunteering
 - Writing poetry
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References

- **Dr. Nasser Malekpour Alamdari**, M.D., Professor of vascular surgery, Clinical Research and Development Center, Department of Surgery, Shahid Modarres Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran. Nassermalekpour@gmail.com

- **Dr. Sara Besharat**, M.D., Professor of diagnostic Radiology, Department of Radiology, Shahid Labafi Nejad Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran besharat.sara@gmail.com