

CURRICULUM VITAE

Mohammad Karimian, MD

Current Position:

Board-certified Vascular Surgery Associate Professor

Contact:

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EDUCATION

- Vascular surgery fellowship
Shahid Beheshti University of Medical Sciences, Tehran, Iran (01/2015-09/2017)
Thesis:
Electrodiagnostic studies play a role in the diagnosis and management of thoracic outlet syndrome
- Surgery Residency (10/2007– 10/2011)
Gilan University of Medical Sciences, Rasht, Iran
Thesis:
Efficacy of perforating antecubital vein-brachial artery fistula in ESRD patients referred to Rasht Razi hospital
- Doctor of Medicine (09/1991- 03/1999)
Ahvaz Jondishapur University of Medical Sciences, Ahvaz, Iran
Thesis:
A statistical study of patients with leg ulcers hospitalized in the dermatology department of Sina Hospital from 1994 to 1997

PROFESSIONAL EXPERIENCE

- Board-certified Vascular Surgery Associate Professor, Chair of Surgery, Ilam University of Medical Sciences, Ilam, Iran (12/2012–present)
- Board-certified Vascular Surgery Fellowship, Shahid Beheshti University of Medical Sciences, Tehran, Iran, (09/2015– 09/2017)
- Surgeon, Ilam University of Medical Sciences, Ilam, Iran (10/2011– 11/2012)
- Surgery Resident, Gilan University of Medical Sciences, Rasht, Iran (10/2007– 10/2011)

- Family Physician, Ilam University of Medical Sciences, Ilam, Iran, (04/1999–01/2001)
- Transitional Medical Intern, Affiliated Hospitals of Ahvaz Jondishapur University of Medical Sciences, Ahvaz, Iran (09/1997– 03/1999)

CERTIFICATES AND LICENSES

- Surgery Board, 10/2011
- Permanent Medical License in Iran, 3/1999

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Vascular Surgery Council of Iran, since 2012
- Medical Council of Iran, since 1999

RESEARCH EXPERIENCE

- Research Assistant, Surgery Department, Shahid Beheshti University of Medical Sciences, Tehran, Iran (09/2015– 09/2017)
- Research Assistant, Surgery Department, Shahid Beheshti University of Medical Sciences, Tehran, Iran (08/2013– 07/2014)
- Research Assistant, Department of Physiology, Ilam University of Medical Sciences, Ilam, Iran (05/2008– 09/2010), Differential consequences of unilateral nasal air puff stimulation on breathing pattern and respiratory system mechanics in tracheotomized rats

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES:

1. Tardeh S, Tardeh Z, Sayehmiri K, Karimian M. Study the Effectiveness of the Sclerotherapy treatment for Varicose Veins: A Systematic Review and Meta-Analysis Study. Journal title 2023; 1402 (1)
URL: <http://newresearch.medilam.ac.ir/article-1-449-en.html>
2. Kafashian M, Karimian M, Kalvandi G, Ghaysouri A, Sadeghifard N, Feizi J, et al . Establishing a hospital based clinical registry system for Coronaviruses Disease in mostafa Khomeini hospital, Ilam. Journal title 2023; 5 (4)
URL: <http://newresearch.medilam.ac.ir/article-1-881-en.html>
3. Karimian, M., Mohammadi, Y., Tardeh, S. et al. A Systematic Review and Meta-Analysis of Randomized Controlled Trials and Cohort Studies to Study the Efficacy of Ultrasound-Guided Foam Sclerotherapy for Varicose Vein Treatment. Indian J Surg (2023). <https://doi.org/10.1007/s12262-023-03788-y>

4. Karimian, M., Tardeh, S. & Tardeh, Z. Endovenous Laser Ablation for Varicose Vein Treatment: A Systematic Review and Meta-Analysis. *Indian J Surg* 85 (Suppl 1), 44–60 (2023). <https://doi.org/10.1007/s12262-022-034>
5. Karimian, M., Tardeh, Z., Mohammadi, Y. et al. Efficacy of Radiofrequency Ablation (RFA) in the Treatment of Varicose Veins: a Systematic Review and Meta-analysis. *Indian J Surg* 85 (Suppl 1), 61–70 (2023). <https://doi.org/10.1007/s12262-022-03613-y>
6. Kouhsari, E., Sadeghifard, N., Karimian, M., Kalvandi, G., Sayyadi, H., Feizi, J., Ahmadi, I., Maleki, A., Kenarkoohi, A., & Kaffashian, M. R. (2022, March 1). The effectiveness of laboratory parameters in predicting the in-hospital mortality of Iranian patients with coronavirus disease 2019 (COVID-19). *Annali di igiene: medicina preventiva e di comunita*, 34(2), 128-136.
7. Azami M, Karimian M, Salamati M. The Relationship between Metabolic Syndrome and Erosive Esophagitis: A Systematic Review and Meta-Analysis Study. *Journal title* 2022; 4 (4)
URL: <http://newresearch.medilam.ac.ir/article-1-746-en.html>
8. Ma Y, Behtash M, Yari H, et al. A comparative experiment on the anti-chronic myeloid leukemia capacities of AgNO₃, *Scrophularia striata* leaf aqueous extract, and silver nanoparticles containing natural compounds . *Archives of Medical Science*. 2022. doi:10.5114/aoms/143988.
9. Karimian, M., Afsharloo, S., Okhli, A., Gholami, A., Tarjoman, A., Borji, M., & Mahdikhani, S. (2021, January 23). Complications of Central Venous Catheter Insertion in Patients Undergoing Hemodialysis in Iran: A Systematic Review and Meta-analysis. *International Journal of Medical Toxicology and Forensic Medicine*, 11(1), 31443. <https://doi.org/10.32598/ijmtfm.v11i1.31443>
10. Mohammadyari, E., Kaffashian, M. R., Ahmadi, I., Kenarkoohi, A., Soufinia, A., Norozi, S., Balavandi, F., Ghaysouri, A., Bastani, E., Rizehbandi, M., Karimian, M., Fasihi, M., & Falahi, S. (2021). Clinical features of novel coronavirus 2019-infected cases with pre-existing cardiovascular disease, disaggregated by gender. *Pakistan Heart Journal*, 54(2), 180-185.
11. Karimian, M., Okhli, A., Noormohammadi-Dehbalae, A., Gholami, A., Abdi, A., Salimi, E., Borji, M., Tarjoman, A., Mahdikhani, S. (2021, January 1). Prevalence of vascular trauma and related factors in Iran: A systematic review. *International Journal of Medical Toxicology and Forensic Medicine*, 11(2), 31441.1-8.
12. Azami M, Hafezi Ahmadi M, Karimian M, Salamati M, Nourmohammadi H. Epidemiology of gastroesophageal reflux disease in Iran; a systematic review and meta-analysis. *Journal title* 2021; 4 (3)
URL: <http://newresearch.medilam.ac.ir/article-1-602-en.html>
13. Ghaysouri, A., Safari, M., Mohammadyari, E., Balavandi, F., Nazari, A., Feizi, J., Karimian, M., Bastani, E., Salimi, E., & Tavan, H. (2021, December 1). The recovery of an elderly woman with asthma and diabetes from COVID-19 infection: a case report. *Infectious Disorders-Drug Targets (Formerly Current Drug Targets-Infectious Disorders)*, 21(8), 63-67. Bentham Science Publishers.

14. Karimian, M., Ranjbar, R., Salamati, M., Adibi, A., Kazemi, F., & Azami, M. (2021, July 1). Prevalence of dyspepsia in Iran: a systematic review and meta-analysis. *Archives of Iranian Medicine*, 24(7), 568-578. Academy of Medical Sciences of IR Iran.
15. Kouhsari, E., Sadeghifard, N., Karimian, M., Sayyadi, H., Nazari, A., Mozafari, A. A., Kazemian, H., Valadbeigi, H., & Kaffashian, M. R. (2021). Neutrophil-to-Lymphocyte Ratio as a Poor Prognostic Factor in Iranian COVID-19 Patients. *Clinical Laboratory*, Issue 2, 1-6.
16. Li, J., Rashidi, K., Mahdavi, B., Goorani, S., Karimian, M., Abbasi, N., Ghaneialvar, H., Karimi, E., Aidy, A. and Zangeneh, A., 2021. Gold nanoparticles formulated with *Nigella* aqueous extract having potent antioxidant and anti-human ovarian cancer activities in vitro condition. *Archives of Medical Science*.
17. Yu Zhang, Behnam Mahdavi, Majid Mohammadhosseini, Esmail Rezaei-Seresht, Sogand Paydarfard, Maryam Qorbani, Mohammad Karimian, Naser Abbasi, Hori Ghaneialvar, Elahe Karimi, Green synthesis of NiO nanoparticles using *Calendula officinalis* extract: Chemical characterization, antioxidant, cytotoxicity, and anti-esophageal carcinoma properties, *Arabian Journal of Chemistry*, Volume 14, Issue 5, 2021, 103105, ISSN 1878-5352, <https://doi.org/10.1016/j.arabjc.2021.103105>. (<https://www.sciencedirect.com/science/article/pii/S1878535221001209>)
18. Shi, Z., Mahdavian, Y., Mahdavian, Y., Mahdigholizad, S., Irani, P., Karimian, M., Abbasi, N., Ghaneialvar, H., Zangeneh, A., & Zangeneh, M. M. (2021, August 1). Cu immobilized on chitosan-modified iron oxide magnetic nanoparticles: Preparation, characterization and investigation of its anti-lung cancer effects. *Arabian Journal of Chemistry*, 14(8), 103224. Elsevier.
19. Karimian, M., & Azami, M. (2021, January 14). Chest computed tomography scan findings of coronavirus disease 2019 (COVID-19) patients: a comprehensive systematic review and meta-analysis. *Polish Journal of Radiology*, 86(1), 31-49. Termedia
20. Kenarkoohi, A., Falahi, S., Karimian, M., Balavandi, F., Bastani, E., & Ghaysouri, A. (2021, December 10). Detection of Surface Contamination by Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) in Hospital Wards. *Technology and Research Information System*, 4(3), 0-0.
21. Karimian M , Mansouri F , Gheiasi G, Solaimanizadeh L, Otaghi M, et al. Psychological Abuse in the Elderly During Exchanging News of COVID-19. *Iran J Psychiatry Behav Sci*. 2020;14(2):e103932. <https://doi.org/10.5812/ijpbs.103932>.
22. Karimian, Mohamad et al. 'The Effect of Educational Intervention on the Knowledge and Attitude of Intensive Care Nurses in the Prevention of Pressure Ulcers'. 1 Jan. 2020 : 89 – 95.
23. Karimian, M., Salamati, M. & Azami, M. The relationship between metabolic syndrome and increased risk of Barrett's esophagus: an updated systematic review and meta-analysis. *BMC Gastroenterol* 20, 138 (2020). <https://doi.org/10.1186/s12876-020-01267-2>

24. Shokri M, Karimian M , Mansouri F, Mahdikhani S , Borji M, et al. Laboratory and Radiologic Findings in Pediatrics with COVID-19: A Systematic Review. *Arch Clin Infect Dis.* 2020;15(3):e103483. <https://doi.org/10.5812/archcid.103483>.
25. Karimian, M., Najafi, R., Jaimand, K., Hatami, F., Abbasi, N., Jalali Ghalousangh, A. Extraction and Identification of phytochemicals in Iranian oak (*Quercus brantii* var. *Persica*) Collected in Arghavan Valley, Ilam County by HS-SPME and GC-MS. *Journal of Medicinal plants and By-product*, 2020; 9(Special): 81-86. doi: 10.22092/jmpb.2020.121754
26. Badakhsh B, Mansouri F, Gholami A, Karimian M, Kafashian M, Khorshidi A, Soltany B, Mahdikhani S, Borji M, Tarjoman A, Nouri L. Prevalence of different pain patterns in patients with COVID-19: A systematic review and meta-analysis. *Anaesth. pain intensive care.* 2020;24(2):141-150
27. Karimian M , Borji M, Otaghi M, Mansouri F , Solaimanizadeh L, et al. Special Attention to Psychiatric Centers in COVID-19 Pandemic. *Arch Clin Infect Dis.* 2020;15(2):e103258. <https://doi.org/10.5812/archcid.103258>.
28. Mohamad Karimian, Ali Gholami, Mohammad Hosein Farzaei, Azzurra Stefanucci, Adriano Mollica, Yosof Mahmoudi, Asma Tarjoman, Milad Borji, The effect of angipars™ on wound healing in patients with diabetes: A systematic review, 2020, *Journal of Chemical Health Risks*, 10, 195-202
29. Karimian, M., Mansouri, F., Borji, M., Tarjoman, A., Mahdikhani, S., Soltany, B., Kalvandi, G., Tavan, H., & Shokri, M. (2020). Prevention, Diagnosis, and Treatment of COVID-19 in Infants and Children: A Systematic Review Study of Performed Protocols. *Journal Name, Volume(Issue), Page Range. DOI or URL*
30. Karimian, M., & Azami, M. (2020, April 4). Computed tomography scan findings in patients with COVID-19: a systematic review and meta-analysis. *The Lancet Infectious Diseases*. Manuscript Draft, Manuscript Number: THELANCETID-D-20-02054. Article Type: Article (Meta-analysis). Electronic copy available at: <https://ssrn.com/abstract=3571539>.
31. Ma, D., Han, T., Karimian, M., Abbasi, N., Ghaneialvar, H., & Zangeneh, A. (2020, December 15). Immobilized Ag NPs on chitosan-biguanidine coated magnetic nanoparticles for synthesis of propargylamines and treatment of human lung cancer. *International Journal of Biological Macromolecules*, 165, 767-775. Elsevier.
32. Karimian, M., Nourmohammadi, H., Salamati, M., Hafezi Ahmadi, M. R., Kazemi, F., & Azami, M. (2020, December). Epidemiology of gastroesophageal reflux disease in Iran: A systematic review and meta-analysis. *BMC Gastroenterology*, 20, 1-21. BioMed Central.
33. Azami, M., Karimian, M., Salamati, M., & Rahmati, S. (2020, August 10). The relationship between metabolic syndrome and Barrett's esophagus: An updated systematic review and meta-analysis. *Technology and Research Information System*, 3(2), 0-0.
34. Azami, M., & Karimian, M. (2020, August 10). Computed tomography (CT) scan findings in 2019 novel coronavirus (COVID-19) patients: A systematic

- review and meta-analysis study. *Technology and Research Information System*, 3(2), 0-0.
35. Karimian, M., Solaimanizadeh, F., Otaghi, M., Borji, M., Mahdikhani, S., & Tarjoman, A. (2020, July 31). Taking care of vascular access in patients with cancer following the prevalence of COVID-19. *International Journal of Cancer Management*, 13(7), 7-7. Brieflands.
 36. Karimian, M., Jamshidbeigi, A., Badfar, G., & Azami, M. (2020, June 8). Laboratory findings in coronavirus disease 2019 (COVID-19) patients: a comprehensive systematic review and meta-analysis. medRxiv, 2020.06.07.20124602. Cold Spring Harbor Laboratory Press.
 37. Karimian, M., & Azami, M. (2020, April 25). Chest computed tomography (CT) scan findings in patients with COVID-19: a systematic review and meta-analysis. medRxiv, 2020.04.22.20075382. Cold Spring Harbor Laboratory Press.
 38. Tavan, H., Shams, M., Karimian, M., Kalvandi, G., & Borji, M. (2020, March 27). An Evaluation on the Frequencies of Underlying Diseases and Symptoms Along with the Mortality Rate of COVID-19: A Systematic Review and Meta-Analysis. Available at SSRN 3566142.
 39. Karimian, M., Mansouri, F., Gheiasi, G., Solaimanizadeh, L., Otaghi, M., Salimi, E., Tarjoman, A., & Borji, M. (2020, January 1). Psychological Abuse in the Elderly During Exchanging News of COVID-19, Letter. *Iran Journal of Psychiatry and Behavioral Sciences*, 14(2), 0-0.
 40. Badakhsh, B., Karimian, M., Mansouri, F., Solaimanizadeh, L., Otaghi, M., Salimi, E., Tarjoman, A., & Borji, M. (2020). Alarm for patients with diabetes following covid-19 outbreak. *Arch Clin Infect Dis*, 15(4), 1-2.
 41. Khorshidi, A., Borji, M., Badakhsh, B., Karimian, M., Mansouri, F., Zarei, F., Mahdikhani, S., Salimi, E., Gholami, A., & Tarjoman, A. (2020). Prevalence of Gastrointestinal Problems in Patients with COVID-19: A Systematic Review and Meta-analysis. *Govaresh*, 25(2), 155-161.
 42. Karimian M. Natural remedies for vascular diseases. *Plant Biotechnol Persa* 2019; 1(1): 1-3.
 43. Karimian, M., Salamati, M., & Azami, M. (2019, August 12). The Association between Metabolic Syndrome and Increased Risk of Erosive Esophagitis: A Systematic Review and Meta-Analysis. Available at SSRN 3436281.
 44. Karimian, M., Sarokhani, D., Sarokhani, M., Sayehmiri, K., & Mortazavi Tabatabai, S. A. (2016, May 10). Prevalence of bedsore in Iran: a systematic review and meta-analysis. *Journal of Mazandaran University of Medical Sciences*, 26(136), 202-210.

HONORS AND AWARDS

- Honor students in the pre-internship examination (2009)
- Honor students in the nationwide basic science examination (2005)

- Top 100 students among over half a million participants in Iran's nationwide university entrance (2003)

LANGUAGES

- English, Farsi, Kordish