



Masood Zangi

Critical Care Quality Improvement Research Center, Loghman Hakim Hospital,
Shahid Beheshti University of Medical Sciences, Tehran, Iran

Email: masood_zangi@sbmu.ac.ir

Education

Fellowship:

2015-2016, Specialty in Critical Care Medicine , Shahid beheshti University of Medical Science.

Residency:

2008-2012 Anesthesiology Residency – Shiraz University of Medical Science.

MD:

1997-2004, M.D – Shahid Sadoughi University of Medical Science.

Faculty Appointments

I have been working as a faculty member at Loghman Hospital, Shahid beheshti University of Medical Science since 2022.

Academic and Executive Appointments

Appointment as Deputy Director of Education for the General ICU Department in 2023 and 2024

Membership and Professional Appointments

Member of the respiratory team at Loghman Hospital in 2021

Member of the blood transfusion medicine committee of Loghman Hospital in 2021

Member of the infection control committee of Loghman Hospital in 2023

Member of the Mortality Committee of Loghman Hospital in 2022

Scholarly Publications

- ✚ Futuhi F, Sahraei Z, Panahandeh SM, Zangi M, Hajiesmaeili M, Ghalehnoo SR, Abbasi Z, Amirdosara M, Mohammad S, Ahooie H. Urinary gamma-glutamyl transferase as a predictor of vancomycin-induced acute kidney injury; a prospective diagnostic and observational study.
- ✚ Gholizade M, Futuhi F, Zangi M, Hajiesmaeili M, Amirdosara M, Abbasi Z, Ghalehnoo SR, Abniki M, Sahraei Z. Assessing the effect of probiotic consumption on metabolic acidosis in patients with end-stage renal disease; a randomized, double-blind clinical trial. *Journal of Renal Injury Prevention*. 2026 Apr 19.
- ✚ Davoudi Z, Shahriari S, Rezaei O, Amirdosara M, Vakili K, Zangi M, Samadian M, Haghighimorad M, Ebrahimzade K, Mousavinejad SA, Sayehmiri F. Incidence and risk factors for transient and permanent central diabetes insipidus following pituitary adenoma surgery: a single center study. *International Journal of Neuroscience*. 2026 Apr 3;136(4):417-25.
- ✚ Amirdosara M, Hajiesmaeili M, Hosseininassab S, Zangi M. Role of Inflammation in Secondary Injury Progression after Traumatic Brain Injury and Spinal Cord Injury. *Archives of Anesthesiology and Critical Care*. 2026 Feb 22;12(2):169-80.
- ✚ Davoody S, Vakili K, Jazi K, Fathi M, Heidari-Faroozan M, Mofidi SA, Taremi M, Taherkhani A, Azadnajafabad S, Pour FH, Eslami S, Masood Zangi & Ashraf Mohamadkhani. Alterations of Gut Microbiota and Microbial Metabolites in Parkinson's Disease: A Systematic Review. *Molecular Neurobiology*. 2026 Jan;63(1):299.
- ✚ Abniki M, Amirdosara M, Zangi M. AI-driven innovations in intensive care nephrology; bridging intensive care and kidney diseases. *Journal of Nephro pharmacology*. 2025 Dec 27;15(1):e12820-.
- ✚ Arani AR, Zangi M, Hajiesmaeili M, Kavand S, Oshidari B, Soori M, Ghazizadeh AH, Gerd faramarzi SS, Amirdosara M. Evaluating the therapeutic impact of magnesium citrate

supplementation on neuropathic symptoms in diabetic patients with peripheral polyneuropathy; a randomized, double-blind, clinical trial study. *Immunopathologia Persa*. 2025 Nov 4;12(1):43996-.

- ✚ Zangi M, Hajiesmaeili M, Mokhtari M, Goharani R, Tajaldin N, Amirdosara M. Neurorecovery and Cerebral Hemodynamics in Patients Undergoing Transcranial Direct Current Stimulation with Disorders of Consciousness (DoC): A Systematic Review. *Archives of Anesthesia and Critical Care*. 2025 Oct 18.
- ✚ Vafapour M, Naderipour F, Hashemiyazdi SH, Mahmoudabadi RZ, Jazi K, Hoseinzade J, Mahdavyinia S, Zangi M. Investigation of the Clinical Manifestations of COVID-19 in Critically Ill Children Admitted to the Pediatric Intensive Care Unit of Firouzabadi Hospital in 2020-2021. *Archives of Anesthesia and Critical Care*. 2025 Aug 16.
- ✚ Hajishah H, Mazloom P, Salehi A, Kazemi D, Samiee R, Majlesi H, Amini MJ, Meyari A, Dehnavi NS, Zangi M. Comparative risk of cancer associated with SGLT inhibitors and DPP-4 inhibitors in patients with diabetes: a systematic review and meta-analysis. *Diabetology & Metabolic Syndrome*. 2025 Aug 7;17(1):321.
- ✚ Madadi R, Bakhshaei S, Tavasol A, Gorjizad M, Hemmati R, Zangi M. Assessment of the Relationship Between Serum Vitamin D Level and Its Cardiovascular Outcomes: A Systematic Review and Meta-analysis Study. *Journal of the Saudi Heart Association*. 2025 Jun 1;37(2):14.
- ✚ Soufi R, Salamzadeh J, Darazam IA, Amirdosara M, Zangi M, Shabani M, Lotfollahi L, Sahraei Z. Comparison of Pharmacokinetic/Pharmacodynamic Parameters and Clinical Outcomes of Vancomycin Administered in Two Different Dosage Regimens in Patients with Acute Kidney Injury. *Iranian Journal of Pharmaceutical Research: IJPR*. 2025 Apr 19;24(1):e159089.
- ✚ Hosseini S, Alavi Darzam I, Amirdosara M, Zangi M, Sahraei Z. Evaluating the effects of intravenous magnesium sulfate for prevention of colistin induced acute kidney injury: an open-label, placebo-controlled, block randomized clinical trial. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2025 Apr;398(4):4559-70.
- ✚ Tehrani HA, Zangi M, Fathi M, Vakili K, Hassan M, Rismani E, Hossein-Khannazer N, Vosough M. GPC-3 in hepatocellular carcinoma; A novel biomarker and molecular target. *Experimental Cell Research*. 2025 Jan 15;444(2):114391.
- ✚ Hajiesmaeili M, Goharani R, Zangi M, Amirdosara M, Mokhtari M. Application of Transcranial Direct Current Stimulation in Neurocritical Care. *Archives of Anesthesia and Critical Care*. 2025.
- ✚ Dabbagh A, Ariannik M, Madadi F, Nashibi M, Zangi M, Amirdosara M, Asgari S. Neuroscience and Anesthesiology: Could Anesthesiologist in the Developing Countries Serve as the Main Applied/Clinical Neuroscientists. *Journal of Cellular & Molecular Anesthesia*. 2025;10(10).
- ✚ Zangi M, Anar MA, Amirdosara M, Mokhtari M, Goharani R, Moghaddam SS, Rezaei O, Hashemiyazdi SH, Hajiesmaeili M. Enhanced recovery after surgery (ERAS) protocol for craniotomy patients: a systematic review. *Anesthesiology and Pain Medicine*. 2024 Nov 16;14(5):e146811.

- ✚ Zangi M, Alemohammad SY, Kohandel K, Binaei S, Tavasol A, Fathi M, Madani MM, Omidan N, Mohammadi J, Maleki F. Effects of adjuvants (granulocyte-macrophage colony-stimulating factor, levamisole, adjuvant system 04, adjuvant system 02B) on enhancing immune response to hepatitis B vaccine: a systematic review and meta-analysis. *Reviews and Research in Medical Microbiology*. 2024 Apr 1;35(2):78-87.
- ✚ Amirdosara M, Hajiesmaeili M, Goharani R, Mokhtari M, Vafaei A, Zangi M. The Impact of Olfactory Dysfunction on Post-Operative Cognitive Dysfunction and Delirium: A Systematic Review. *Journal of Cellular & Molecular Anesthesia*. 2024;10(1).
- ✚ Badi KR, Hajiesmaeili M, Mokhtari M, Goharani R, Amirdosara M, Zangi M. The interval between external ventricular drain (EVD) implantation and Time to mobilization in patients at the Neurosurgery ICU. *Turk Neurosurg*. 2024 Jan 1;34(10.5137):1019-5149.
- ✚ Hasanzade A, Alibeigi E, Ghorbani F, Khalili A, Shojaei SP, Jamali M, Zangi M, Amirdosara M, Dezfouli MM. No. 2023-20: Toxicity and Poisoning-Related Brain Death: A Critical Risk Factor for Pre-Recovery Cardiac Death in Donors. *International Journal of Organ Transplantation Medicine*. 2023 Oct 1;14(4):94-5.
- ✚ Rahmatian A, Yaghoobpoor S, Tavasol A, Aghazadeh-Habashi K, Hasanabadi Z, Bidares M, Safari-Kish B, Starke RM, Luther EM, Zangi M, Hajiesmaeili M, Sodeifian F. Clinical efficacy of endovascular treatment approach in patients with carotid cavernous fistula: A systematic review and meta-analysis. *World neurosurgery*: X. 2023 Jul 1;19:100189.
- ✚ Tavasol A, Khademolhosseini S, Noormohamad M, Ghasemi M, Mahram H, Salimi M, Fathi M, Sardaripour A, Zangi M. Worldwide prevalence of carbapenem resistance in *Acinetobacter baumannii*: a systematic review and meta-analysis. *Infectious Diseases in Clinical Practice*. 2023 Mar 1;31(2):e1236.
- ✚ Alavi Darazam I, Kazempour M, Pourhoseingholi MA, Hatami F, Rabiei MM, Javandoust Gharehbagh F, Amirdosara M, Hajiesmaeili M, Shabani M, Shokouhi S, Zangi M, Lotfollahi L. Efficacy of hemoperfusion in severe and critical cases of COVID-19. *Blood purification*. 2023 Jan 27;52(1):8-16.
- ✚ Sahraei Z, Saffaei A, Alavi Darazam I, Salamzadeh J, Shabani M, Shokouhi S, Sarvmeili N, Hajiesmaeili M, Zangi M. Evaluation of vancomycin pharmacokinetics in patients with augmented renal clearances: a randomized clinical trial. *Frontiers in Pharmacology*. 2022 Nov 11;13:1041152.
- ✚ Fallahzadeh M, Pourhoseingholi MA, Boroujeni MG, Besharati S, Mardani M, Shabani M, Shokouhi S, Amirdosara M, Hajiesmaeili M, Gachkar L, Zangi M, Roshan B. Study of the effects of interferon β -1a on hospitalized patients with COVID-19: SBMU Taskforce on the COVIFERON study. *Journal of Medical Virology*. 2022 Apr;94(4):1488-93.
- ✚ Mokhtari M, Amirdosara M, Goharani R, Zangi M, Tafrishinejad A, Nashibi M, Dabbagh A, Sadeghi H, Nateghinia S, Hajiesmaeili M, Yousefi-Banaem H. The predictive power of near-infrared spectroscopy in improving cognitive problems in patients undergoing brain surgeries: a systematic review. *Anesthesiology and Pain Medicine*. 2022 Mar 6;12(1):e116637.
- ✚ Darazam IA, Hatami F, Rabiei MM, Pourhoseingholi MA, Shabani M, Shokouhi S, Mardani M, Moradi O, Gharehbagh FJ, Mirtalaei N, Zangi M, Negahban H. An investigation into

the beneficial effects of high-dose interferon beta 1-a, compared to low-dose interferon beta 1-a in severe COVID-19: The COVIFERON II randomized controlled trial. *International Immunopharmacology*. 2021 Oct 1;99:107916.

- + Fallahzadeh M, Pourhoseingholi MA, Besharati S, Boroujeni MG, Mardani M, Shabani M, Shokouhi S, Amirdosara M, Hajiesmaeili M, Gachkar L, Zangi M, Roshan B. Efficacy of Interferon β -1a in Treatment of Hospitalized COVID-19 Patients; SBMU Taskforce on the COVIFERON Study.
- + Goharani R, Nateghinia S, Alibabaei A, Banar S, Hajiesmaeili M, Shafigh N, Amirdosara M, Zangi M, Samadian M. Designing A Business Intelligence Framework Based On Patient Prioritization And Proposal Of Bed Allocation Business Intelligence Model.
- + Goharani R, Nateghinia S, Alibabaei A, Banar S, Hajiesmaeili M, Tafrishinejad A, Shafigh N, Amirdosara M, Nashibi M, Zangi M, Ahmadi S. Determining The Factors Related To The Duration Of Hospitalization In The Intensive Care Unit Of Neurosurgery.
- + Yousefi Bh, Goharani R, Hajiesmaeili M, Tafrishinejad A, Zangi M, Amirdosara M, Nashibi M. A Review Of Bispectral Index Utility In Neurocritical Care Patients.
- + Nikpour S, Mokhber A, Hajiesmaeili M, Kazempour M, Salehi M, Goharani R, Zangi M, Chouhdari A. Prediction Of Ventilator-Associated Pneumonia In Patients Undergoing Stress Ulcer Prophylaxis: A Longitudinal Descriptive Study In Iran.
- + Hajiesmaeili M, Simani L, Goharani R, Asadollahi M, Amirdosara M, Zangi M, Mokhtari M. Dexmedetomidine In Neurocritical Care. *Journal Of Cellular & Molecular Anesthesia*. 2020;5(5).
- + Nateghinia S, HAJIESMAEILI MR, Shafagh SO, GOHARANI R, ZANGI M, AHMADI H. Prediction of the Length of Stay of Patients in the Neuro-Critical Care Unit Using Data Mining Techniques.
- + Kouчек M, Miri Mm, Sistanizad M, Zangi M, Goharani R. An Appraisal Of Blood Transfusion Practices In The Intensive Care Units Of Imam Hossein Hospital In Comparison With International Strategies During. *J Mil Med*. 2016;18(3):271-9.
- + Fathi M, Farzanegan B, Hajiesmaeili M, Vahedian-Azimi A, Goharani R, Rahimibashar F, Amirsavadkouhi A, Seifi S, Sedaghat A, Hatamian S, Zangi M, Salarian S. Intensive Care Clinicians' Attitudes And Self-Reported Practice Of Conservative Oxygen Therapy. *Arch Crit Care Med*. 2015 Aug 31;1(3):E7342.
- + Zangi M, Hadavai Sm, Tavakkolian A. Classic Laryngeal Mask Airway Insertion With Four Different Methods In Elective Surgeries Under General Anesthesia: A Comparison Of Efficacy, Ease, Speed Of Insertion And Post-Operative Complications.
- + BAGHERI N, Falaknazi K, Zangi M, SAFAVI NP, BAGHERI M, Dehghan A, NAGHASH MA. Prevalence of adynamic bone disease among dialysis patients refer to Tehran dialysis center.
- + GHASEMI M, Zangi M, HAJ FA, SAFAVI NP, SHIR ZH. Evaluation of nasal polyps relapse after fess in comparison with its non-endoscopy surgery.
- + SAFAVI NA, Zangi M, SAFAVI NP, Haj FA. Evaluating diagnostic value of clinical symptoms and signs for sinusitis by CT scan at Milad hospital.

Organized Workshops

- Attending the "Morning Report" workshop from the empowerment workshop series
- Attending the workshop "Artificial Intelligence" held by the Anesthesia Research Center of Shahid Beheshti University of Medical Sciences
- Attending the workshop "The Role of Regenerative Medicine in Anesthesia Workshop" held by the Anesthesia Research Center of Shahid Beheshti University of Medical Sciences
- Attending the "Standard Morning Report" workshop from the Shahid Beheshti University of Medical Sciences empowerment workshop series
- Attending the workshop "Effective Morning Report in Medical Education" from the series of empowerment workshops at Shahid Beheshti University of Medical Sciences
- Attending the "Teaching Method" workshop from the empowerment workshop series of Shahid Beheshti University of Medical Sciences
- Attending the "Educational Research" workshop from the series of empowerment workshops at Shahid Beheshti University of Medical Sciences
- Attending the "STATA" workshop held by the Loghman Clinical Research Development Unit
- Attending the workshop "Introduction to PMP Question Design" workshop from the Shahid Beheshti University of Medical Sciences empowerment workshop series
- Attending the workshop "EMI and SC" workshop from the Shahid Beheshti University of Medical Sciences empowerment workshop series
- Attending the "Scholarship" workshop from the empowerment workshop series