

In The Name God

Curriculum Vitae

Fereshteh Kimia, MD

Assistant Professor of Anesthesiology

Department of Anesthesiology, School of Medicine

Shahid Beheshti University of Medical Sciences (SBMU)

Tehran, Iran



Contact Information:

- **Affiliation:** Labbafinejad Medical Center, Tehran, Iran.
- **Google Scholar:** <https://scholar.google.com/citations?hl=en&user=ZxCBsqqAAAAJ>
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Education & Training

- **Board Certified in Anesthesiology & Critical Care** | *Shahid Beheshti University of Medical Sciences (2017).*
- **Ranked 5th Nationally** in the Iranian National Board Examination.
- **Specialty Thesis:** “The Comparison of the Efficacy of Early versus Late Administration of Dexmedetomidine on Postoperative Emergence Agitation in Children Undergoing Oral Surgeries: A Randomized Clinical Trial.”
- **Doctor of Medicine (MD)** | *Shahid Beheshti University of Medical Sciences (2012).*

Professional Experience

- **Assistant Professor of Anesthesiology** | *Labbafinejad Medical Center, SBMU (2020 – Present).*
- **Attending Anesthesiologist (Obligatory Service)** | *Shohadaye Pakdasht & Shahid Sattari Qarchak Hospitals (2018 – 2020).*

- **Attending Anesthesiologist (Obligatory Service)** | *Imam Khomeini Hospital, Khomein University of Medical Sciences (2017 – 2018).*
 - **General Practitioner (Public Health Service)** | *Jafariyeh Rural Health Center, Qom University of Medical Sciences (2012 – 2014).*
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Academic Honors & Awards

- **Top-Ranked Educational Project Award** | *18th SBMU Medical Education Festival (2024).*
 - **National Board Rank:** Ranked 5th in the National Anesthesiology Board Exam (2017).
 - **Letter of Commendation for Excellence in Teaching** | *School of Nursing and Midwifery, SBMU.*
 - **Certified Elite Member** for Top Medical Graduates.
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Academic Leadership & Executive Roles

- **General Coordinator for Clinical Clerkship Courses:** School of Nursing and Midwifery, SBMU.
 - **Member of the Curriculum Planning Committee:** Medical Education Development Office (EDO), School of Medicine, SBMU (2025).
 - **Member of the Education Development Unit (EDU):** Labbafinejad Medical Center.
 - **Member of Specialized Working Groups at SBMU:**
 - Artificial Intelligence (AI) in Medical Sciences.
 - Virtual Education and Scholarship.
 - Systematic Review and Meta-Analysis Working Group.
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Teaching & Educational Activities

- **Course Instructor:** “Anesthesia and Recovery Care” for clinical staff.
 - **Curriculum Designer:** Developed the specialized course “Principles of Safety in the Operating Room.”
 - **Educational Content Developer:** Designed EPA-based (Entrustable Professional Activities) modules for “Anesthesia in Prone Position.”
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Research Projects (Principal Investigator/Collaborator)

1. **AI in POCD:** Using Artificial Intelligence to predict Postoperative Cognitive Dysfunction (POCD) in patients undergoing Radical Prostatectomy (Code: 1403/7/6).

2. **AI in Urosepsis:** AI-based prediction of Urosepsis in patients undergoing PCNL procedures (Code: 1403/6/18).
 3. **Microbiota & Cognition:** Investigating the role of Gut and Nasopharynx Microbiota in POCD after Radical Urological Surgery (Code: 1403/5/28).
 4. **Kidney Transplantation:** Correlation between Kidney Donor Profile Index (KDPI) and transplant outcomes: A Systematic Review (Code: 1403/4/3).
 5. **Machine Learning:** Evaluating ML models in predicting outcomes of Radical Cystectomy: A Systematic Review (Code: 1403/3/20).
 6. **Neuro-stimulation:** Efficacy and safety of transcranial Direct Current Stimulation (tDCS) in Anesthesia: A Systematic Review (Code: 1402/12/13).
 7. **AI in Graft Function:** AI efficiency in predicting Delayed Graft Function (DGF) after Kidney Transplantation (Code: 1402/7/23).
 8. **Oncology Surgery:** Omentum involvement during Gastrectomy in patients with Gastric Cancer (Code: 1399/10/9).
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Supervision of Research (Thesis Supervisor)

1. **Supervisor (Specialty):** “The Role of Gut and Nasopharynx Microbiota in Postoperative Cognitive Dysfunction (POCD) in Elderly Patients undergoing Radical Urological Surgery.”
 2. **Supervisor (Nursing/Specialty):** “Application of AI in Predicting Postoperative Nausea and Vomiting (PONV) in Patients Undergoing PCNL Surgery under Spinal Anesthesia.”
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Publications

Peer-Reviewed Journal Articles

1. **Kimia F**, Roodneshin F, Poorzamany Nejat Kermany M, Samadpour H, et al. “The Epidemiology and Socioeconomic Associates of Pulmonary Aspiration and Foreign Body in the Airway in the Middle East and North Africa Region From 1990 to 2021: A Descriptive Epidemiological Study.” *Health Science Reports*, 9 (5), e72311, **2026**.
2. Karimian M, Rahmatizadeh S, Kohzadi Z, Madadi F, **Kimia F**, et al. “Analyzing Patterns in Anesthesiology Residents’ Exam Performance Using Data Mining Techniques.” *Anesthesiology and Pain Medicine*, 14 (6), e151686, **2024**.
3. Basiri A, Sabzi S, Torbati PM, **Kimia F**. “Bilateral squamous cell carcinoma in horse shoe kidney.” *Urology Case Reports*, 53, 102695, **2024**.
4. Sadeghi A, Razavi SS, Eghbali A, Mahdavi SA, **Kimia F**, Panah A. “The comparison of the efficacy of early versus late administration of dexmedetomidine on postoperative emergence agitation in children undergoing oral surgeries: a randomized clinical trial.” *Iranian Journal of Medical Sciences*, 47 (1), 25, **2022**.

5. Gholizadeh B, Hajsadeghi S, Makhsosi BR, **Kimia F**, Mokhber S, et al. "One Anastomosis Gastric Bypass in a Morbidly Obese Patient with Heart Failure: a Case Report." *Obesity Surgery*, 32 (1), 194-196, **2022**.
6. Roodneshin F, **Kimia F**, Poorzamani Nejat Kermany M. "Anesthetic Management of Rapid Ventricular Response Atrial Fibrillation in an Elderly Woman Using Remifentanyl, A Case Report." *Journal of Cellular and Molecular Anesthesia*, 7 (1), 70-73, **2022**.
7. Malekpour Alamdari N, Zeinalpour A, **Kimia F**. "Evaluation Effects of Sleeve Gastrectomy to Bone Metabolism and Bone Mineral Densitometry in Patients Over 50 Years." *Annals of Bariatric Surgery*, 10 (2), 93-98, **2021**.
8. Malekpour Alamdari N, Abdollahimajd F, Aghili A, Zeinalpour A, **Kimia F**. "Evaluation Effects of Essential Amino Acids and Zinc and Iron Supplementation on the Prevention of Early Hair Loss after Sleeve Gastrectomy." *Annals of Bariatric Surgery*, 10 (2), 81-86, **2021**.
9. Malekpour-Alamdari N, Gholizadeh B, **Kimia F**. "Inguinal canal hydatidosis presenting as irreducible inguinal hernia: a case report." *Academic Journal of Surgery*, 4 (3), 87-89, **2017**.
10. Malekpour Alamdari N, Gholizadeh B, **Kimia F**. "Mucinous adenocarcinoma of the appendix with retroperitoneal and pelvic bone extension: A case report and literature review." *Journal of Surgery and Operative Care*, 2 (1), 103, **2017**.

Books (Translation)

- **"Stoelting's Anesthesia and Co-Existing Disease" (8th Edition, 2022)**
- *Editorial Board Member & Translator (Volumes 1 & 2).*

Editorial & Review Activities

- **Peer Reviewer:** Reviewed **48 manuscripts** for the *Journal of Cellular and Molecular Anesthesia (JCMA)*.

Certifications & Workshops

- **Clinical Skills:** Ventilator Management, ABG Interpretation, Adult CPR (BLS/ACLS).
- **Research & Writing:** Professional Scientific Writing, Common Errors in Manuscript Preparation, Systematic Review Methodology.
- **Academic Development:** Small Group Teaching, PMP Question Design Principles, Pharmacology of Anesthetic Drugs, Artificial Intelligence in Medical Sciences.