

Mohsen ArianNik

Assistant Professor of Anesthesiology

Department of Anesthesiology, School of Medicine

Anesthesiology Research Center

Ayatollah Taleghani Hospital

Shahid Beheshti University of Medical Sciences

Email: dr.ariannik@gmail.com



Education

Fellowship: —

Residency.: Anesthesiology, Shahid Beheshti University of Medical Sciences (SBMU), 2017–2021 (Chief Resident)

MD: Doctor of Medicine, Shahid Beheshti University of Medical Sciences, 2013

MSc.: Master of Science in Medical Education (final semester), School of Medical Education and Learning Technologies, Shahid Beheshti University of Medical Sciences

Faculty Appointments

Assistant Professor of Anesthesiology, Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran (Dec 2022 – Present)

International Academic Experiences

Academic and Executive Appointments

- Assistant Director of Education, Department of Anesthesiology, Akhtar Educational Hospital, SBMU, Tehran, Iran (Feb 2022 – Dec 2022)
- Anesthesiologist, Sevom Shaban Hospital, Damavand, Iran (2021 – 2022)
- Chief Resident of Anesthesiology, SBMU, Tehran, Iran (2017 – 2021)
- Head of the Committee for Reducing Global Deductions (کسورات گلوبال), Ayatollah Taleghani Hospital
- Deputy of Research, Musculoskeletal Injuries Research Center, Shahid Beheshti University of Medical Sciences (Nov 2024 – Present)

Membership and Professional Appointments

- Senior Member, National Elites Foundation (Iran)
- Reviewer, Journal of Cellular & Molecular Anesthesia
- Organizer, CPR Workshop (International Congress of Anesthesiology)
- Online Medical Educator
- Member of the Committee for Promoting Natural Childbirth, Painless Labor, and Breastfeeding, Ayatollah Taleghani Hospital

International Cooperation

Teaching Positions

Active member of teaching faculty, Department of Anesthesiology, SBMU – contributing to academic teaching and supervision of research projects in anesthesiology and perioperative medicine.

Published Books

Book Chapters

Chapter 20: Acute Pain Control (کتاب «مبانی بیهوشی و مراقبت‌های ویژه»، انتشارات آرتین طب، چاپ اول، ۱۴۰۳)

Scholarly Publications

- Comparison of the Effects of Sevoflurane and Isoflurane During Liver Transplant Surgery on Short-Term Outcomes (RCT), 2026
- Effects of Preanhepatic Glucose-Insulin Infusion on Metabolic and Hemodynamic Outcomes in Liver Transplantation (RCT), 2025
- Fibrinogen-Tranexamic Acid preventive therapy (RCT), 2025
- Rivastigmine and postoperative delirium (RCT), *International Journal of Geriatric Psychiatry*, 2023
- Fibrinogen prophylaxis for reducing perioperative bleeding (RCT), *Journal of Clinical Anesthesia*, 2021
- COVID-19 infection control measures and surgical site infections, *International Wound Journal*, 2024
- Peripheral nerve block registry implementation, *Frontiers in Medicine*, 2025
- Neostigmine and gastric residual volume in ICU patients, 2024
- Neuroimaging study on brain structure and risky behavior, *Frontiers in Neuroscience*, 2015

Recent Research Projects

- Randomized clinical trials on coagulation management (fibrinogen, tranexamic acid) in perioperative bleeding
- Postoperative delirium prevention (rivastigmine trial)

- Metabolic and hemodynamic optimization in liver transplantation (glucose-insulin infusion)
- Comparison of sevoflurane vs. isoflurane on short-term outcomes after liver transplant surgery

Organized Workshops

CPR Workshop (International Congress of Anesthesiology)