

Mahtab Poor zamany nejat kermany, MD

Associate Professor of Anesthesiology, Shahid Beheshti University of Medical Sciences

Contact Information

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Professional Profile

Associate Professor of Anesthesiology at Shahid Beheshti University of Medical Sciences with continuous clinical, educational, and research experience. Following her graduation and achieving the first rank nationwide in the Anesthesiology Board Examination, her scientific focus has been directed toward airway management, cognitive state evaluation of patients, and pediatric anesthesia. Completing a specialized observership at Washington University in St. Louis and serving in administrative roles such as Educational Deputy of the Anesthesiology Department and Senior Hemovigilance Physician are among the main records in her professional portfolio.

Education and Qualifications

Six-Month Observership: Washington University in St. Louis (USA), focusing on abdominal transplantation, neuro-anesthesia, regional anesthesia, and pain management (2013).

Professional Certification: Certified in Transesophageal Echocardiography (TEE).

Board Certification: Anesthesiology and Critical Care, Shahid Beheshti University of Medical Sciences (Residency completed in 2001, Board Certification achieved in 2003).

Medical Doctorate (MD): Iran University of Medical Sciences (1987–1995).

Honors and Achievements

Achieved the First Rank Nationwide in the 50th National Anesthesiology and Critical Care Board Examination (2003).

Received an appreciation award for continuous performance in the Educational Development Office (EDO) Evaluation Committee.

Received a letter of appreciation from the University's Educational and Research Deputy for effective educational activities.

Academic and Professional Experience

Associate Professor of Anesthesiology: Shahid Beheshti University of Medical Sciences, Labbafinejad Medical Center (2004–Present).

Assistant Professor of Anesthesiology: Rafsanjan University of Medical Sciences (2001–2004).

Administrative and Managerial Roles

Educational Deputy of the Anesthesiology Department: Labbafinejad Medical Center (2006–Present).

Senior Hemovigilance Physician: Head and active member of the Blood Transfusion Committee (2018–Present).

Committee Member: Educational Development Office (EDO), School of Medicine, Shahid Beheshti University of Medical Sciences.

Evaluation Committee Member: EDO, School of Medicine, Shahid Beheshti University of Medical Sciences.

International Scientific Committees and Memberships

Scientific Committee Member: Emergency Surgery Workshop, organized by AO Foundation and GRF in Davos, Switzerland (2011).

Scientific and Peer-Review Committee Member: 5th International Comprehensive Disaster Management Conference (INDM).

Panel Member and Speaker: Participated in dozens of national and international scientific congresses and symposiums (including in Switzerland, the Netherlands, and the USA).

Member: Iranian Society of Anesthesiology and Critical Care (2003–Present).

Research Interests

Airway Management

Critical Care & Intensive Care Medicine

Cognitive State Evaluation

Pediatric Anesthesia & Adverse Respiratory Events

Abdominal Transplantation Anesthesia

Neuro-Anesthesia

Disaster Management

Authored and Translated Books (Academic References)

1. Anesthesia and Co-existing Diseases: Co-author, Artin Teb Publishing (2013).
2. Handbook of the Massachusetts General Hospital Critical Care (Volumes I & II): Translator, Bikaran Publishing (2006).
3. The Pain Clinic Manual: Translator and summarizer, Teymourzadeh Publishing (2008).
4. Chapter Authorship: Authored two chapters of the Blood Transfusion Guidebook, Shahid Beheshti University of Medical Sciences.

Complete List of Publications (Journal Articles)

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, 2026).

Telemedicine is a Challenging Need for Anesthesiology (Archives of Anesthesiology and Critical Care, 2024).

The Evaluation of the Effectiveness of Ginger Compared to Dexamethasone in Preventing Postoperative Nausea and Vomiting in Laparoscopic Nephrectomy (Journal of Cellular & Molecular Anesthesia, 2024).

Application of Nanotechnology to Anesthesiology (Journal of Cellular & Molecular Anesthesia, 2023).

Rapid spread and high mortality due to community-acquired pneumonia caused by *Acinetobacter baumannii* (CAP-AB) in a COVID-19 intensive care unit (Journal of Family Medicine and Primary Care, 2023).

Comparing the effects of Total Intravenous Anesthesia and Sevoflurane on Respiratory Adverse Events in under-7 Children with Upper Respiratory Tract Infection (Journal of Pediatric Perspectives, 2023).

A Case Report of COVID-19 in a Living Kidney Transplant Recipient: A Challenging Case with Complete Rehabilitation (Case Reports in Urology, 2022).

Anesthetic Management of Rapid Ventricular Response Atrial Fibrillation in an Elderly Woman Using Remifentanyl, A Case Report (Journal of Cellular and Molecular Anesthesia, 2022).

Pain: As Sweet As Honey! (Journal of Cellular & Molecular Anesthesia, 2021).

Comparison of Hemodynamic Stability and Pain Control in Lateral and Prone Positions in Patients Undergoing Percutaneous Nephrolithotomy: A Randomized Controlled Trial (Urology Journal, 2020).

The Role of Integrative Educational Intervention Package (Monthly ITE, Mentoring, Mocked OSCE) in Improving Successfulness for Anesthesiology Residents in the National Board Exam (Anesth Pain Med, 2020).

Incidence of Oculocardiac Reflex in Pediatric Population Undergoing Corrective Strabismus Surgery: Comparison between Sevoflurane and Total Intravenous Anesthesia (Novelty in Biomedicine, 2018).

Anesthesia Management of Vitrectomy in a Patient with Sturge-Weber Syndrome (Tanaffos, 2018).

Reply to Li, Xing-Huan and Zuo, Yun-Xia, regarding their comment 'Correspondence letter to the editor regarding "early childhood exposure to short periods of sevoflurane is not associated with later, lasting cognitive deficits"' (Pediatric Anesthesia, 2017).

Comparison of the Effects of Dexmedetomidine and Remifentanyl on Cognition State After Cataract Surgery (Anesthesiology and Pain Medicine, 2016).

Airway Management in a Patient with Palato-Maxillo-Orbital Tract as a Sequel of Rhino-Cerebral Mucormycosis Undergoing Kidney Transplantation (Archives of Anesthesiology and Critical Care, 2016).

Early childhood exposure to short periods of sevoflurane is not associated with later, lasting cognitive deficits (Pediatric Anesthesia, 2016).

Phantom Limb Sensation and Phantom Limb Pain among Young Landmine Amputees (Iranian Journal of Child Neurology, 2016).

Anesthesia and Airway Management of a Patient with Sturge-Weber Syndrome Associated with Extreme Ocular Manifestations and Giant Facial Hemangioma (Archives of Anesthesiology and Critical Care, 2016).

Comparison between Epidural Block vs. High Intensity Laser Therapy for Controlling Chronic Low Back Pain (Novelty in Biomedicine, 2016).

Cognition State Evaluation by N-back in Mustard Gas Casualties: Dexmedetomidine versus Remifentanyl in Cataract Surgery (Archives of Anesthesiology and Critical Care, 2016).

Comparison between Total Parenteral Nutrition vs. Partial Parenteral Nutrition on Serum Lipids among Chronic Ventilator Dependent Patients; A Multi Center Study (Tanaffos, 2016).

Mental health disorders in child and adolescent survivors of post-war landmine explosions (Military Medical Research, 2015).

Familial Dysautonomia, Report of 3 Cases from Iran and a Discussion about Their General and Anaesthesia Care (Novelty in Biomedicine, 2015).

Respiratory complications following clot induced tracheal tube obstruction, report of an unusual case and discussion (Pajouhesh Dar Pezeshki / Research in Medicine, 2015).

Topical Versus Intravenous Lidocaine in Children With Upper Respiratory Infection Undergoing Anesthesia: A Randomized, Double Blind, Clinical Trial (Anesthesiology and Pain Medicine, 2015).

Analgesic effects of ketamine vs. Dexmedetomidine on opioid abusers undergoing laparoscopic nephrectomy (Journal of Iranian Society Anaesthesiology and Intensive Care, 2015).

The Impact of Anesthetic Techniques on Cognitive Functions after Urological Surgery (Middle East Journal of Anaesthesiology, 2015).

Prevalence of Pain in Adolescent Survivors of Landmines and Unexploded Ordnances and its Relationship with Limb Problems (Iranian Journal of War and Public Health, 2015).

Comparison of surgical outcomes and cosmetic results between standard and mini laparoscopic pyeloplasty in children younger than 1 year of age (Journal of Pediatric Urology, 2014).

Opioid-Sparing Effect of Preemptive Bolus Low-Dose Ketamine for Moderate Sedation in Opioid Abusers Undergoing Extracorporeal Shock Wave Lithotripsy (Survey of Anesthesiology, 2014).

Wire reinforced endotracheal tube compared with Parker Flex-Tip tube for oral fiberoptic intubation: a randomized clinical trial (Minerva Anestesiologica, 2014).

Comparison of acromioaxillosuprasternal notch index with modified Mallampati test in predicting difficult visualization of larynx (Acta Anaesthesiologica Taiwanica, 2013).

Opioid-sparing effect of preemptive bolus low-dose ketamine for moderate sedation in opioid abusers undergoing extracorporeal shock wave lithotripsy: a randomized clinical trial (Anesthesia & Analgesia, 2013).

Neurologic complications in percutaneous nephrolithotomy (Korean Journal of Urology, 2013).

The effect of magnesium sulfate on sore throat following surgery in patients undergoing general Anesthesia (Journal of Medical Sciences, 2013).

Effect of video information on anxiety due to anesthesia (Journal of Iranian Society Anaesthesiology and Intensive Care, 2012).

Intraoperative "Remifentanyl Challenge" as a predictor of postoperative morphine requirement and respiratory depression (International Conference and Exhibition on Surgery, Anesthesia & Trichology, 2012).

Comparing the new acromio-axillo-suprasternal notch index with modified Mallampati test in the prediction of difficult laryngeal exposure (J Iran Society Anaesthesiol Intensive Care, 2012).

Preoperative remifentanyl test used to predict its requirement and adverse events: a prospective cohort study (Anaesthesia, 2012).

Simultaneous Pancreas and Kidney Transplantation: First Report from Shahid Beheshti University of Medical Sciences and Review of Anesthesia Considerations (Tanaffos, 2010).

The potential toxicity of diazinon on physiological factors in male rat (Pakistan Journal of Biological Sciences, 2008).

Key Skills

Accreditation

Research Methodology

English Communication

ICDL-Advance