

Professional Summary

Ali Behzadfar, MD, is a specialist in Anesthesiology and a subspecialist in Critical Care Medicine (ICU). His academic interests focus on critical care, perioperative medicine, point-of-care ultrasound, sepsis, and clinical epidemiology. He has authored peer-reviewed publications in international journals, including randomized clinical trials and observational studies, with research spanning platelet biology, septic shock, ventilator-associated pneumonia, and innovative diagnostic approaches in critically ill patients.

Research Interests

Critical care medicine, sepsis, point-of-care ultrasound, diagnostic research, perioperative medicine, mechanical ventilation, ventilator-associated pneumonia, clinical trials.

Current Research Focus

My current research focuses on developing and evaluating innovative diagnostic and therapeutic strategies for critically ill patients. Ongoing projects include point-of-care ultrasound applications, muscle assessment and outcome prediction, sepsis, perioperative optimization, and interventions to improve outcomes in intensive care through evidence-based clinical research.

Selected Publications

Malek F, Behzadfar A, et al. Effects of cigarette smoking on morphological features of platelets in healthy men. Saudi Medical Journal. 2015.

Hasheminik M, Alipour H, Behzadfar A, et al. The combined effect of statin and vitamin C in patients with pulmonary septic shock: a single-center, double-blind clinical trial. BMC Infectious Diseases. 2025.

Behzadfar A, et al. Effect of probiotic colonization on oral hygiene and