

Special Issue

Innovations in Critical Care and Anesthesiology

Message from the Guest Editor

We invite contributions exploring novel monitoring technologies, artificial intelligence applications in critical care decision-making, advanced ventilation strategies, and personalized approaches to sedation and analgesia. Papers addressing point-of-care diagnostics, enhanced recovery protocols, organ support innovations, and telemedicine applications in ICU settings are particularly welcome. We also encourage submissions on emerging pharmacological agents, non-invasive monitoring techniques, and quality improvement initiatives that enhance patient safety and outcomes. This collection seeks to bridge the gap between technological innovation and clinical implementation, highlighting translational research that directly impacts patient care. We welcome original research articles, comprehensive reviews, case studies demonstrating novel techniques, and perspective pieces on future directions in the field. By bringing together diverse perspectives from clinicians, researchers, and biomedical engineers, this Special Issue aims to provide a comprehensive overview of the current landscape and future horizons in critical care and anesthesiology.

Guest Editor

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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