

Special Issue

Clinical Diagnostics and Management in the ICU

Message from the Guest Editors

The Intensive Care Unit (ICU) demands rapid, precise decision-making to optimize outcomes for critically ill patients. This Special Issue, “Clinical Diagnostics and Management in the ICU,” explores the latest advancements bridging cutting-edge diagnostic tools with tailored therapeutic strategies. We invite original research and comprehensive reviews focusing on, but not limited to, the following:

- Novel Biomarkers: Early detection of sepsis, acute kidney injury (AKI), and multi-organ failure;
- Imaging Innovations: Point-of-Care Ultrasound (POCUS) and bedside functional imaging;
- Advanced Monitoring: AI-driven predictive models and dynamic hemodynamic assessments;
- Targeted Management: Evidence-based approaches to mechanical ventilation and targeted resuscitation.

By highlighting the transition to real-time, precision medicine, this collection aims to provide clinicians with actionable insights to reduce ICU mortality and enhance patient care.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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