

Special Issue

Perioperative and Intensive Care Challenges in Cardiac Surgery

Message from the Guest Editors

Recent advances in cardiac, thoracic, and vascular surgery have significantly improved perioperative survival and postoperative recovery. Nevertheless, increasing patient age, multimorbidity, and procedural complexity, together with the growing use of minimally invasive interventions and mechanical circulatory support technologies, continue to reshape perioperative and critical care practice worldwide.

At the same time, perioperative medicine faces several important challenges. Despite ongoing technological progress, postoperative complications remain common and are associated with considerable morbidity and healthcare costs. These evolving concepts create new opportunities for both translational research and improvements in everyday clinical practice.

This Special Issue welcomes original research articles, systematic reviews, clinical investigations, and evidence-based reviews addressing contemporary perioperative and critical care challenges, with particular attention to patient safety, organ protection, postoperative recovery, and multidisciplinary approaches to care.

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