

Special Issue

Ultrasound in Anesthesiology and Critical Care Medicine: From Concept to Clinical Applications

Message from the Guest Editor

The Journal of Clinical Medicine launched a Special Issue titled "Ultrasound in Anesthesiology and Critical Care Medicine: from Concept to Clinical Applications". In Critical Care Medicine, physicians are often faced with complex clinical pictures involving multiple organ failures including but not limited to heart failure, acute kidney injury, respiratory failure, trauma and brain injury. In a such complex scenario a real-time, bedside, rapidly available multi-faceted ultrasound approach is fundamental to personalize treatments. This approach includes the assessment of respiratory failure and the optimization of ventilatory strategy by lung ultrasonography, the prediction of patient-ventilator interaction, early detection of weaning failure and the assessment of muscular weakness by the study of the diaphragm, the optimization of hemodynamics, heart-lung interactions, and brain-lung-splanchnic cross-talk through the assessment of perfusion and congestion by abdominal Doppler ultrasonography, the monitoring of neurocritical patients by optic nerve sheath diameter and transcranial Doppler.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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