

Special Issue

Point-of-Care Echocardiography in Emergency and Critical Care

Message from the Guest Editor

Introduction template for your reference: Often referred to as Point-of-Care Ultrasound (POCUS) or Focused Cardiac Ultrasound (FoCUS), emergency echocardiography allows clinicians to assess cardiac function, volume status, and structural abnormalities in real time.

Scope and Objectives

This Special Issue aims to gather high-quality research, systematic reviews, and clinical case reports that highlight:

Technological Innovations: The impact of handheld devices and AI-integrated software on diagnostic accuracy.

Clinical Protocols: The implementation of standardized algorithms (such as RUSH or FATE) in triage and resuscitation.

Hemodynamic Monitoring: Using Doppler and advanced imaging to guide fluid therapy and vasopressor support.

Training and Competency: Addressing the learning curve and quality assurance for non-cardiologists.

Bridging the Gap

By bringing together experts from cardiology, emergency medicine, and anesthesiology, this collection seeks to provide a comprehensive overview of the current state and future directions of cardiac imaging in the acute setting.

Guest Editor

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Deadline for manuscript submissions

31 August 2026



Diagnostics

an Open Access Journal
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Impact Factor 3.3
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/269135

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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.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).