Journal of
Personalized Medicine

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The Development of Echocardiography in Heart Disease

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Deadline for manuscript submissions:
closed (20 February 2026)

Message from the Guest Editors

Since Inge Edler and Helmut Hertz presented M-mode echocardiography in 1953 and marked the beginning of a new diagnostic non-invasive technique, the tremendous development of technologies has made this method one of the most important in cardiology, everyday clinical practice, and scientific research. New technologies such as stress and contrast echocardiography, speckle tracking echocardiography, and 3D echocardiography permit us to detect subclinical changes in the heart and diagnose heart pathologies that earlier remained undiagnosed or detected with the help of complex invasive methods. The wide range of all now available echocardiographic techniques, together with fused technologies, not only markedly improved the diagnostic process but also opened the possibilities for personalized management owing to the revealed subtle echocardiographic data as well as permitted the performance of different interventional procedures relying on echocardiographic images.

This Special Issue is open for scientific research on different applications of echocardiography. Original research papers, systematic reviews, and case reports are welcome.

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Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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