

Special Issue

New Advances in Echocardiography

Message from the Guest Editor

Echocardiography is a well-established and indispensable imaging modality that plays a pivotal role in the evaluation of patients with known or suspected heart disease. Recent technological advancements in echocardiography have allowed the development of new methods that can improve clinical cardiovascular diagnosis and prognosis. The new generation of software and hardware has led to the availability of new echocardiographic techniques for more accurate quantification of volumes, function, myocardial mechanics, and hemodynamic assessment, including transthoracic echocardiogram in adults and fetuses, transesophageal echocardiogram, two-dimensional and three-dimensional speckle tracking echocardiography, real-time-three-dimensional echocardiography, and vector flow mapping. With the rapid growth of complex clinical echocardiography data, artificial intelligence and machine learning came into existence.

Guest Editor

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