



BioMed Research International

Special Issue on

New Frontiers in Cardiovascular Imaging

CALL FOR PAPERS

The world faces an unprecedented number of people suffering from cardiovascular diseases. Despite huge research efforts, many urgent questions still need to be answered. Answers are required fast because cardiovascular disease represents the most common cause of mortality in the world, accounting for 29.6% of all deaths worldwide. Imaging plays a key role in the diagnosis, choice of therapy, and assessment of prognosis in patients with cardiovascular diseases, representing the present and the future of healthcare in this field.

Over the last years, technological advances in cardiovascular imaging have been very fast and have completely reshaped the discipline of cardiology making it difficult for the clinicians to remain updated. Thus, by this issue we aim to illustrate the role of the latest invasive and noninvasive imaging techniques on the understanding, diagnosing, and treating cardiovascular disease. We invite authors to contribute to this issue by original research articles as well as review articles.

Potential topics include, but are not limited to:

- ▶ Advances of echocardiography in heart diseases diagnosis and prognosis:
 - ▶ Role of 3D echocardiography in valvular heart disease
 - ▶ The role of echocardiography in the management of TAVI and MitraClip
 - ▶ What are the advantages of speckle tracking echocardiography in coronary artery disease
 - ▶ Strain imaging in heart failure
 - ▶ Coronary flow reserve by transthoracic echocardiography
- ▶ New insights in cardiac PET imaging:
 - ▶ What is the role of cardiac PET imaging in the risk assessment of coronary artery disease
 - ▶ Myocardial viability by cardiac PET an old issue new perspectives
 - ▶ PET for the assessment of cardiac sarcoidosis
 - ▶ PET imaging in cardiac amyloidosis
- ▶ What are the news in cardiac magnetic resonance field:
 - ▶ Role of cardiac magnetic resonance in noninvasive assessment of myocardial tissue characterization
 - ▶ Why to perform cardiac magnetic resonance for the management of valvular heart disease
 - ▶ Uses of cardiac magnetic resonance for the detection of coronary artery disease and acute coronary syndromes
 - ▶ Cardiac magnetic resonance for myocardial viability
 - ▶ What is the use of cardiac magnetic resonance in heart failure patients
 - ▶ What is the role of cardiac magnetic resonance in noncoronary/ischemic myocardial disease
- ▶ Is there still time for Coronary Computed Tomography Angiography

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First Round of Reviews

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Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/molecular.imaging/nfci/>.