Special Issue

Advances in Cardiac Imaging: Innovations, Al Integration, and Clinical Applications

Message from the Guest Editor

As cardiovascular disease remains a leading cause of mortality globally, the integration of new cardiovascular imaging techniques, including AI, is not only innovative but also necessary to improve diagnostic accuracy and encourage personalized patient care. We are pleased to invite you to share your recent research outputs on the use of the latest imaging modalities in cardiovascular disease. This Special Issue aims to highlight the most promising insights in cardiac imaging, focusing on technological innovations, applications of AI in improving imaging techniques, and their clinical implications. Research areas may include (but are not limited to) the following:

- Assessment of cardiovascular disease using echocardiography, cardiac CT, MRI, SPECT/PET;
- New diagnostic modalities including dual-energy CT,
 4D flow CMR, T1 and T2 CMR mapping techniques with tissue characterization;
- The use of machine learning or deep learning tools for diagnostic strategies for coronary artery disease;
- Three-dimensional printing in cardiovascular disease;
- Al applications in cardiovascular imaging.

I look forward to receiving your contributions

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

issues.

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