

## Special Issue

# Advances in Cardiac Imaging: Innovations, AI 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;
- AI applications in cardiovascular imaging.

I look forward to receiving your contributions

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### Guest Editor

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### Deadline for manuscript submissions

21 March 2026



## Healthcare

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## About the Journal

### Message from the Editor-in-Chief

*Healthcare* is an international, scientific, peer-reviewed, open access journal on health care systems, industry, technology, policy, and regulation, and is published semimonthly online by MDPI. Ocular Wellness & Nutrition Society (OWNS) is affiliated with Healthcare and its members receive discounts on article processing charges.

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