

AI in Cardiovascular Imaging and Case Reports

Overview

Artificial intelligence (AI) is transforming cardiovascular imaging by enhancing diagnostic accuracy, improving workflow efficiency, and enabling early detection of cardiac diseases. From echocardiography to advanced modalities such as cardiac CT and MRI, AI-driven tools are redefining modern cardiology practice.

The **AI in Cardiovascular Imaging and Case Reports** section of our journal is dedicated to publishing high-quality case reports that highlight the application of AI, machine learning, and deep learning techniques in real-world cardiovascular imaging scenarios.

Scope of the Section

We welcome submissions focusing on the integration of AI in cardiovascular imaging, including:

- AI in echocardiography interpretation
- Machine learning in cardiac CT and coronary imaging
- AI applications in cardiac MRI analysis
- Automated image segmentation and quantification
- AI-assisted diagnosis of cardiac diseases
- Predictive analytics in cardiovascular imaging
- Deep learning models in cardiology
- AI in structural and functional cardiac assessment
- Integration of AI in clinical decision-making
- Innovative imaging techniques using AI

Importance of AI in Cardiovascular Imaging

AI is rapidly becoming an essential tool in cardiology, offering significant advantages in image analysis and clinical decision support.

Publishing AI-based case reports:

- Demonstrates real-world applications of emerging technologies
- Enhances diagnostic precision and reproducibility
- Supports early detection and risk stratification
- Bridges the gap between technology and clinical practice

Clinical Significance

Case reports in AI-driven cardiovascular imaging provide valuable insights into:

- Novel diagnostic approaches
- Improved interpretation of complex imaging data
- Integration of AI into clinical workflows
- Outcomes and validation of AI-assisted decisions

These contributions are critical for advancing the adoption of AI in cardiology.

Why Publish With Us

- Rapid peer-review process
- Global visibility and indexing support
- Focused cardiology audience
- High-quality editorial standards
- Open access availability
- DOI (Digital Object Identifier) assigned to every published article for permanent accessibility and reliable citation tracking

Submission Guidelines

Authors are encouraged to submit well-structured case reports including:

- Abstract
- Clinical presentation
- Imaging findings
- AI methodology or tool used
- Results and interpretation
- Discussion with literature review
- Conclusion with key learning points

Manuscript Submission

Authors are requested to submit their manuscript by using Online Manuscript Submission

Portal: <https://www.casereportsincardiology.org/submit.html> (or) also invited to submit through the Journal

E-mail Id: editor@casereportsincardiology.org.