Special Issue

Deep Learning and Multimodal Feature Fusion for Advanced Medical Imaging Diagnosis

Message from the Guest Editors

The integration of deep learning in multimodal feature fusion is emerging as a transformative approach in medical imaging, offering promising opportunities for enhanced diagnostic accuracy, efficiency, and clinical insight. This Special Issue seeks to gather state-of-the-art research that applies artificial intelligence to advance diagnostic imaging across a wide range of clinical applications. Topics of interest include, but are not limited to, the following:

- Deep learning-based classification, segmentation, detection, and reconstruction;
- Multimodal feature fusion integrating image-based and non-image-based data;
- Explainable and trustworthy AI for clinical interpretation;
- Transfer learning, few-shot learning, and domain adaptation in medical imaging;
- Dataset benchmarking, reproducibility, and clinical validation studies.

We welcome original research articles, review papers, and case studies that contribute to advancing the field of AI-powered medical diagnostics through deep learning and feature fusion.

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Deadline for manuscript submissions

30 October 2025

Diagnostics

mdpi.com/si/235888

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Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

mdpi.com/journal/
diagnostics

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Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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