

Special Issue

Artificial Intelligence and Deep Learning in Medical Imaging

Message from the Guest Editors

Artificial Intelligence (AI) and Deep Learning (DL) are redefining medical imaging by providing unprecedented opportunities to improve diagnosis, prognosis, treatment planning, and patient safety. From advanced image segmentation and radiomics to explainable AI and privacy-preserving models, these technologies are addressing long-standing challenges in clinical imaging. However, critical issues such as reproducibility, algorithmic bias, and the safe implementation of AI in clinical workflows remain to be solved. This Special Issue aims to focus on the latest advancements in AI and DL for medical imaging, emphasizing not only precision and efficiency but also safety and ethical deployment. Submissions are welcome to explore topics such as multi-modal data integration, robust feature extraction, federated learning, clinical validation, and methods ensuring regulatory compliance. Studies that investigate strategies for mitigating risks and improving interpretability to enhance patient safety are especially welcome to be submitted. We invite authors to submit their original research articles and reviews on the abovementioned themes.

Guest Editors

Dr. Eros Montin

1. Department of Radiology, Bernard and Irene Schwartz Center for Biomedical Imaging, New York, NY USA
2. Department of Radiology, Center for Advanced Imaging Innovation and Research (CAI2R), New York, NY, USA

Dr. Giuseppe Carluccio

Department of Electrical Engineering and Information Technology, University Federico II of Napoli, Napoli, Italy

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Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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