Special Issue

Artificial Intelligence and Machine Learning in Clinical Practice

Message from the Guest Editors

The increasing adoption of artificial intelligence (AI) and machine learning (ML) in clinical practice marks a transformative shift in modern healthcare, promising enhanced diagnostic precision, treatment personalization, and operational efficiency. Despite growing enthusiasm, real-world integration remains challenged by issues such as clinical validation, interpretability, interoperability, ethical implications, and data bias. This Special Issue aims to address these pressing challenges by showcasing cutting-edge research that bridges AI/ML innovations with practical, patient-centered clinical applications. The scope of this Special Issue includes, but is not limited to, the following:

- AI-driven diagnostic and prognostic systems.
- ML-enhanced decision support tools.
- Clinical risk prediction models.
- Automation in radiology and pathology.
- Real-time monitoring using wearable devices.
- Explainable AI in medical settings.

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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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