

Special Issue

Current and Future Perspectives of Artificial Intelligence in Medicine

Message from the Guest Editors

Artificial intelligence holds the potential to revolutionize healthcare across all medical domains, marking a pivotal moment for the field of medicine. AI brings the promise of ensuring patient safety, enhancing autonomy, and providing timely medical assistance, especially in remote areas, while simultaneously reducing the administrative workload, screen time, and the risk of professional burnout for healthcare providers. Moreover, AI has the capability of decreasing medical errors and enhancing diagnostic precision by leveraging algorithms and software to integrate, analyze, and interpret vast amounts of medical data. By automating repetitive tasks, AI can afford healthcare personnel more time to focus on building stronger doctor–patient relationships, emphasizing personalized care, communication, empathy, and trust during times of illness—essential aspects of care that cannot be replaced by AI. However, there remains a need to standardize research in this field to ensure the quality of scientific evidence, understand its benefits and drawbacks, and expedite its integration into mainstream medical practices.

Guest Editors

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