

# Artificial Intelligence in Medicine

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**Abstract:** *The motivations are transformative and innovative impacts of artificial intelligence (AI) on medical sciences. AI technologies are revolutionizing healthcare by enhancing diseases diagnosis, treatment optimization, and healthcare management.*

*Leveraging machine learning, natural language processing, and other AI techniques medical professionals can improve diagnostic accuracy, personalize treatment plans, and streamline healthcare operations.*

*However, the widespread adoption of AI in healthcare raises ethical, regulatory and privacy concerns. This research investigates the current state of AI in medical sciences, its potential applications, challenges, and future implications for patient care and health delivery.*

**Keywords:** Artificial intelligence, Deep convolution neural network, Medical use

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