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Role of Artificial Intelligence in Health Monitoring

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Abstract

Artificial Intelligence (AI) has emerged as a transformative force in various sectors, particularly in healthcare. This manuscript explores the role of AI in health monitoring, highlighting its impact on patient care through advancements in wireless monitoring, automation, predictive analytics, and integration with existing devices. By leveraging AI technologies, healthcare systems can enhance patient outcomes, increase efficiency, and facilitate proactive health management. The paper reviews existing literature, presents case studies, discusses challenges related to integration and ethical considerations, and outlines future trends in AI health technologies. Ultimately, this manuscript aims to provide a comprehensive overview of how AI can revolutionize health monitoring practices.

