Artificial Intelligence in Cardiology: Transforming Patient Care

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Abstract. This paper explores the application of artificial intelligence in cardiology, detailing its potential to revolutionize patient care. It discusses machine learning algorithms, predictive analytics, and AI-driven diagnostic tools in cardiovascular medicine.

Keywords: Artificial Intelligence, Cardiology, Machine Learning, Predictive Analytics, Diagnostic Tools

Introduction

Artificial intelligence (AI) is poised to transform the field of cardiology, offering innovative solutions for patient diagnosis, treatment, and management. The integration of AI technologies, including machine learning algorithms and predictive analytics, has the potential to enhance the accuracy and efficiency of cardiovascular care. This article delves into the current applications of AI in cardiology, highlighting recent advancements and exploring the future landscape of AI-driven diagnostic tools. The transformative impact of AI on patient outcomes and healthcare delivery is discussed in detail.

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