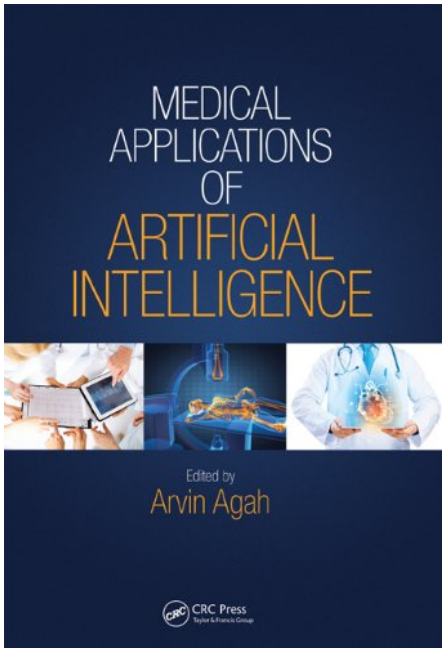
ARVIN AGAH (EDITOR)
MEDICAL APPLICATIONS OF ARTIFICIAL INTELLIGENCE



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The advances in artificial intelligence (AI) research field have led to many useful industrial applications including but not limited to faster detection of problems, faster response time, reduced costs, improved quality and optimal work distribution.

It is clear that artificial intelligence systems can make providing healthcare more accurate, affordable, accessible, consistent, and efficient. Despite this, AI technologies have not been as well integrated into medicine as predicted. To overcome this obstacle an interdisciplinary approach is required with the development of hybrid systems that can capture in an effective and efficient manner the experience of medical care professionals and enhance it with the capabilities of AI systems.

The book starts with an overview of the artificial intelligence concepts, tools and commonly used techniques. Following that introductory part ***Medical Applications of Artificial Intelligence*** then reviews the current research trends, focusing on state-of-the-art projects in the field. The authors provide an extensive recapitulation of the medical applications of artificial intelligence, while exploring new developments and discussing the persistent challenges.

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