# Cognitive Cardiac Rehabilitation Using IoT and AI Tools

Part of the Advances in Medical Diagnosis, Treatment, and Care Book Series

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Premier Reference Source

Cognitive Cardiac Rehabilitation Using IoT and AI Tools

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IGI Global

Description:

In recent times, research in human-focused robot technologies aims to bring social-emotional intelligence closer, which interconnects with human lifestyles. Among several areas that can benefit from it, the healthcare sector, which consists of many possible areas of therapeutic interposition, is the most vital. Further, there is always concern about patient adherence to cardiac rehabilitation. It is essential to understand the motivational factors affecting patient participation and compliance with cardiac rehabilitation by recognizing and understanding the nature of patient experiences.

Cognitive Cardiac Rehabilitation Using IoT and AI Tools describes the application of AI techniques used to extract features from brain and heart signal data and to better efficiency compared to the existing methods. This book also describes the application of AI tools to classify disorders and better performance compared to the existing benchmarks. Covering topics such as cardiac rehabilitation, heart disease prediction, and online social media analytics, this premier reference source is an excellent resource for healthcare professionals, medical engineers, hospital administrators, students and educators of higher education, researchers, and academicians.
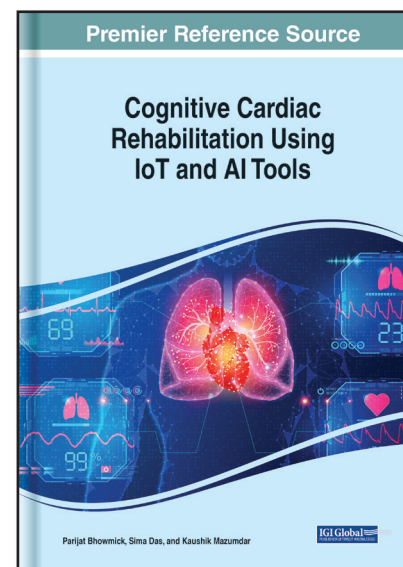
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Hardcover: $435.00   **E-Book:** $435.00   **Hardcover + E-Book:** $525.00

Topics Covered:

- Artificial Intelligence (AI)
- Cardiac Rehabilitation
- Electroencephalogram
- Emotional Behavior
- Heart Disease Prediction
- Internet of Things (IoT)
- Machine Learning Algorithms
- Mental Health Predictions
- Myocardial Biology
- Online Social Media Analytics

Subject: Medical, Healthcare, and Life Sciences

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners