Special Issue

Artificial Intelligence-Based Techniques for Diagnosis of Cardiovascular Arrhythmia Diseases

Message from the Guest Editors

Cardiovascular arrhythmia diseases are disorders of the heart's electrical system, resulting in an irregular heartbeat. Several techniques have been developed in terms of technology or technological advancement for diagnosing cardiovascular arrhythmia diseases in the last three decades. Some of the recent technical advancements in the diagnosis and treatment of cardiac arrhythmias include: wearable ECG devices, artificial intelligence, and wireless telemetry, implantable devices to name a few. New computational algorithms for diagnosing cardiovascular arrhythmia diseases can improve the speed and accuracy of diagnoses, reduce the risk of complications, and improve patient outcomes. The aim of this Special Issue is to provide a platform and opportunity to the researcher fraternity to contribute and share their finding and techniques in the field of 'Diagnosis of Cardiovascular Arrhythmia Diseases', artificial intelligence algorithms for the diagnosis of cardiovascular arrhythmia diseases, domain-specific solutions, or hybrid algorithms that integrate artificial intelligence with traditional numerical and mathematical methods.

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