

1. Record Nr.	UNINA9910411938903321
Titolo	Management of Cardiac Arrhythmias // edited by Gan-Xin Yan, Peter R. Kowey, Charles Antzelevitch
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Humana, , 2020
ISBN	3-030-41967-3
Edizione	[3rd ed. 2020.]
Descrizione fisica	1 online resource (XIV, 876 p. 313 illus., 192 illus. in color.)
Collana	Contemporary Cardiology, , 2196-8977
Disciplina	616.12 616.12806
Soggetti	Cardiology Heart - Surgery Cardiac Surgery Arritmia Farmacologia clinica Cardiologia Electrocardiografia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Basic Principals of Cardiac Electrophysiology and Pharmacology -- 1. Basic Principles of Cardiac Electrophysiology -- 2. Mechanisms Underlying the Development of Cardiac Arrhythmias -- 3. Genetic and Molecular Basis of Cardiac Arrhythmias -- 4. Unique Rhythm Phenomena and Mechanisms (Ashman, gap phenomenon, phase 3 and phase 4 block, supernormal conduction, concealed conduction, Wedensky phenomenon, linking phenomenon) -- 5. ECG Waves and Signs: Ionic and Cellular Basis (QRS/Axis, J wave, ST, T/U waves, epsilon wave and cardiac memory etc) -- 6. Mechanisms of Action of Antiarrhythmic Drugs -- Part II. Diagnosis of Cardiac Arrhythmias Using Surface ECG -- 7. Narrow Complex Tachycardia -- 8. Wide Complex Tachycardia -- 9. Bradyarrhythmias -- 10. Pacemaker-mediated Arrhythmias -- Part III. Diagnosis of Cardiac Arrhythmias: Intracardiac Approaches -- 11. Electroanatomical Mapping of Cardiac Arrhythmias:

Basic Principles and Technology -- 12. Electrophysiological Maneuvers in Arrhythmia Analysis -- Part IV. Specific Arrhythmias -- 13. Atrioventricular Nodal Reentry Tachycardia -- 14. Atrioventricular Reentry Tachycardia -- 15. Atrial Tachycardia and Flutter -- 16. Atrial Fibrillation: Pharmacologic Therapy -- 17. Atrial Fibrillation: Catheter Ablation and a Hybrid Approach -- 18. Ventricular Tachycardia and Fibrillation: Pharmacologic Therapy -- 19. Ventricular Tachycardia: Catheter Ablation -- 20. Acquired Long QT syndrome and Torsade de Pointes -- 21. Indications for Implantable Cardioverter Defibrillators -- 22. Indications for Temporary and Permanent Pacemakers -- 23. Syncope -- Part V. Arrhythmias and Cardiomyopathy -- 23. Premature Ventricular Complex-induced Cardiomyopathy: Pathophysiology and Treatment -- 24. Cardiac Resynchronization Therapy -- Part VI. Arrhythmias in Specific Populations -- 25. Arrhythmias in Athletes -- 26. Arrhythmias during Pregnancy and Postpartum -- 27. Arrhythmias in Children -- Part VII. Inherited Cardiac Arrhythmia Syndromes -- 29. J wave Syndromes: Early Repolarization and Brugada Syndromes -- 30. Catecholaminergic Polymorphic Ventricular Tachycardia -- 31. Arrhythmogenic Right Ventricular Cardiomyopathy -- 32. Congenital Long QT Syndrome -- 33. Short QT Syndrome.

Sommario/riassunto

A significantly expanded third edition, this book provides a comprehensive and concise overview of cardiac arrhythmias and their ECG/telemetry manifestations, including the principles of cardiac electrophysiology, current concepts of pharmacology, clinical features, diagnoses, and state-of-the-art treatments. Additionally, the book emphasizes decision-making strategies in approaching each individual patient and the application of technical innovations in specific clinical situations. Organized into eight parts, beginning chapters introduce the concepts and principles of cardiac electrophysiology, unique rhythms, and ECG waves/signs. These chapters are designed to integrate emerging knowledge in basic science and clinical medicine. Subsequent chapters focus on the diagnosis of a variety of cardiac arrhythmias using non-invasive methodology. Throughout the book, chapters continue to analyze pharmacological and other approaches to therapy of specific arrhythmias, including supraventricular tachycardias, atrial fibrillation and flutter, ventricular arrhythmias, and bradyarrhythmias. Finally, the book closes with coverage on inherited cardiac arrhythmia syndromes including the long, short QT, and J-wave syndromes, catecholaminergic polymorphic ventricular tachycardia, and arrhythmogenic right ventricular cardiomyopathy. The third edition of Management of Cardiac Arrhythmias, is an essential resource for physicians, residents, fellows, and medical students in cardiology, cardiac surgery, vascular surgery, cardiac electrophysiology, and cardiac radiology.
