

Features:

- Reflects all the **latest technology**, including the new pulse field ablation (PFA) procedure, new balloon technologies (RF, laser, and PFA) for pulmonary vein isolation, and high-resolution 3D mapping systems.
- Offers **expert guidance** on atrial tachycardia and flutter, atrial fibrillation, atrioventricular nodal reentrant tachycardia, tachycardias related to accessory atrioventricular connections, ventricular tachycardia, transseptal catheterization techniques, ablation for pediatric patients, and patient safety and complications.
- Contains **new chapters** covering Biophysics and Clinical Applications of Laser Ablation, Biophysics and Clinical Applications of Pulse Field Ablation, Multiple Strategic Approach to Ablate Atrial Fibrillation, Ablation of Challenging/Difficult Accessory Pathways, Ablation of Ventricular Tachycardia in Arrhythmogenic Ventricular Cardiomyopathy, and more.
- Contains **450 figures**, including ECGs, intracardiac recordings, 3D mapping, ultrasound, fluoroscope, and ablation images.
- Includes **numerous tables and boxes** that provide quick access to key points, arrhythmia mechanisms, diagnostic criteria, target sites for ablation, use of special equipment, complications, and troubleshooting problems and their solutions.
- Provides access to **20 video clips**, including transseptal access to the left atrium, intracardiac ultrasound, and techniques of pericardial access.
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures, videos, and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud.

Περιεχόμενα:

PART 1 Fundamental Concepts of Transcatheter Energy Delivery

- 1 Biophysics and Pathophysiology of Radiofrequency Lesion Formation,
- 2 Biophysics and Clinical Applications of Cryoablation
- 3 Biophysics and Clinical Applications of Laser Ablation
- 4 Biophysics and Clinical Applications of Pulsed-Field Ablation
- 5 Contemporary Irrigated Radiofrequency Catheter Ablation

PART 2 Cardiac Mapping and Imaging

- 6 Cardiac Anatomy for Catheter Mapping and Ablation of Arrhythmias
- 7 Fundamentals of Intracardiac Mapping
- 8 Fundamentals of Catheter Three-Dimensional Mapping Systems
- 9 High-Resolution Three-Dimensional Mapping Systems

10 Intracardiac Echocardiography, Computed Cardiac Tomography, and Magnetic Resonance Imaging for Guiding Mapping and Ablation

PART 3 Catheter Ablation of Atrial Tachycardias and Flutter

- 11 Ablation of Focal Atrial Tachycardias
- 12 Ablation of Cavotricuspid Isthmus–Dependent Atrial Flutters
- 13 Ablation of Non–Isthmus-Dependent Flutters and Atrial Macroreentry
- 14 Ablation of Atrial Flutter/Tachycardia in Congenital Heart Disease

PART 4 Catheter Ablation of Atrial Fibrillation

- 15 Pulmonary Vein Isolation Using Radiofrequency Energy Ablation Technologies
- 16 Pulmonary Vein Isolation Using the Cryoballoon Catheter
- 17 Pulmonary Vein Isolation Using Pulsed-Field Ablation or Laser Balloon
- 18 Catheter Ablation of Atrial Fibrillation Initiated by Non–Pulmonary Vein Triggers
- 19 Substrate-Based Ablation of Atrial Fibrillation
- 20 Ablation of Persistent and Long-Standing Persistent Atrial Fibrillation
- 21 Epicardial and Endocardial Hybrid Ablation for Atrial Fibrillation
- 22 Ablation Strategies for Persistent and Long-Standing Persistent Atrial Fibrillation

PART 5 Catheter Ablation of Atrioventricular Nodal Reentry Tachycardia and the Atrioventricular Junction

- 23 Ablation of Atrioventricular Nodal Reentry Tachycardia and Focal Junctional Tachycardia
- 24 Ablation of Challenging/Difficult Atrioventricular Nodal Reentry Tachycardia
- 25 Ablation/Modification of Atrioventricular Junction for Heart Rate Control of Permanent Atrial Fibrillation

PART 6 Catheter Ablation of Accessory Atrioventricular Connections

- 26 Ablation of Free Wall Accessory Pathways
- 27 Ablation of Posteroseptal Accessory Pathways
- 28 Catheter Ablation of Superoparaseptal (“Anteroseptal”) and Midseptal Accessory Pathways
- 29 Ablation of Atriofascicular Accessory Pathways and Variants
- 30 Ablation of Challenging/Difficult Accessory Pathways

PART 7 Catheter Ablation of Ventricular Tachycardias

- 31 Ablation of Ventricular Outflow Tract Tachycardias
- 32 Ablation of Idiopathic Left and Right Ventricular and Fascicular Tachycardias
- 33 Ablation of Ventricular Tachycardia in Coronary Artery Disease
- 34 Ablation of Ventricular Tachycardia in Nonischemic Cardiomyopathy
- 35 Ablation of Unstable Ventricular Tachycardia and Idiopathic Ventricular Fibrillation
- 36 Substrate-Based Ablation for Ventricular Tachycardia

- 37 Epicardial Approach to Catheter Ablation of Ventricular Tachycardia
- 38 Ablation of Ventricular Tachycardia in Congenital Heart Disease
- 39 Ablation of Ventricular Tachyarrhythmias in Brugada Syndrome
- 40 Catheter Ablation of Ventricular Tachycardia in Arrhythmogenic Right Ventricular Cardiomyopathy
- 41 Hybrid Approaches for Catheter Ablation of Ventricular Tachycardia

PART 8 Miscellaneous Topics

- 42 Complications Associated With Catheter Ablation of Cardiac Arrhythmias
- 43 Atrial Transseptal Catheterization
- 44 Ablation of Cardiac Arrhythmias in Pediatric Population

Index