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Nota di contenuto	Clinical Studies of a purely 3D Navigation in Interventional Managements of Tachyarrhythmia -- Radiation exposure and safety for the electrophysiologist -- Ablation Energy Sources-Principles and Utility in Ablation without Fluoroscopy -- 3D mapping and reduction in radiation exposure -- Catheter Placement and Model reconstruction -- Learning curve for zero-fluoroscopic procedure -- Atrioventricular Nodal Reentrant Tachycardia (AVNRT) with zero-fluoroscopic procedure -- AV Nodal re-entrant tachycardia ablation without fluoroscopy -- Non-Fluoroscopic Catheter Ablation of Accessory Pathways -- Focal atrial tachycardia -- Ablation of atrial flutter with zero fluoroscopy approach -- Non-Fluoroscopic Catheter Ablation of Atrial Fibrillation -- Non-Fluoroscopic Catheter Ablation of Idiopathic Ventricular Arrhythmias -- Ventricular Tachycardia with Structural Heart Disease -- Reduction on radiation exposure in pediatric population undergoing ablation procedures -- Complications of RFCA and Prevention Method -- Safety of zero-fluroscopic procedure during pregnancy -- Cost optimization when using 3-D mapping systems for a non fluoro EP lab -- Zero-fluoroscopic implantation of cardiac electronic Device -- Cardiac Resynchronization Therapy (CRT) guided by 3D mapping system -- Transesophageal Electrophysiological Study without

fluoroscopy.

Sommario/riassunto

This book reflects how the concern regarding the effects of radiation exposure in patients and health personnel involved in cardiac electrophysiology (EP) has inspired new developments in cardiac electrophysiology procedures without the use of fluoroscopy. This innovative method has become a subspecialty within electrophysioloy with several EP laboratories around the world adopting an exclusive non-fluoroscopy approach. It features guidance on how to use three dimensional (3D) navigation systems, ablation energy sources and zero-fluorospic implantation of cardiac electronic devices. The potential complications and associated preventative methods with utilising RFCA are also described. Cardiac Electrophysiology Without Fluoroscopy offers a thorough description of the technique correlated to the performance of EP procedure without the use of radiation, and provides a valuable resource for those seeking a practically applicable guide on how to perform cardiac EP without fluoroscopy, including practising and trainee electrophysiologists, cardiac imagers, general cardiologists and emergency medicine physicians.