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Collana	The Nuts and Bolts Series
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title page; Copyright page; Preface; Acknowledgments; Chapter 1: Cardiovascular anatomy and physiology; Introduction; The healthy heart; Blood flow through the heart; Volume, valves, and pressure; The right atrial appendage; Arteries and veins; Test your knowledge; Answer the following questions; Chapter 2: Cardiac conduction system; Introduction; The conduction pathways; Polarization, depolarization, and repolarization; Intrinsic pacemakers; Refractoriness; Conductivity; Autonomic nervous system; Test your knowledge; Chapter 3: The cardiac cycle and hemodynamics; Introduction Common terms related to hemodynamicsThe cardiac cycle; Cardiac output; Test your knowledge; Chapter 4: Heart disease; Introduction; CAD; Nonischemic heart disease; Congenital heart disease; Conclusion; Test your knowledge; Chapter 5: Cardiac medications related to cardiac rhythm management devices; Introduction; Drug actions and interactions; Conclusion; Test your knowledge; Chapter 6: The basics of ECG and rhythm interpretation; Introduction; Einthoven's triangle; Conclusion; Test your knowledge; Chapter 7: Arrhythmia analysis;

Introduction; Interpretative challenges

Arrhythmias that originate in the sinus node
Arrhythmias that originate in the atria; Arrhythmias that originate in the AV junction; Arrhythmias that originate in the ventricles; Conclusion; Test your knowledge;
Chapter 8: Electricity 101; Introduction; Electricity basics; Unipolar and bipolar systems; Pacemaker battery; Test your knowledge; Chapter 9: Pacing 101; Introduction; Pacing and sensing; The pacing system; Leads; Putting it all together; Test your knowledge; Chapter 10: Indications for pacing; Introduction; Classes and levels of evidence; Sinus node dysfunction; AV block

Other indications for pacing
Conclusion; Test your knowledge; Reference; Chapter 11: Pacemaker implantation; Introduction; The pacemaker implantation procedure: prepping the patient; Selecting a vein; Venous access; The introducer kit; Introducing the lead into the vein; Ventricular lead; Atrial lead; Active versus passive fixation; Intraoperative testing; Closure; Complications; Patient education; Conclusion; Test your knowledge; Reference; Chapter 12: Connecting the leads to the pulse generator; Introduction; Implantable pulse generator; Leads; Lead insertion

Troubleshooting lead connections
The single-pass lead (VDD); Characteristics of the ideal lead; Lead extraction; Methods of lead extraction; Test your knowledge; Chapter 13: Pacemaker modes and codes; Introduction; NBG code; Single-chamber pacing; Rate response; Mode Selection; Conclusion; Test your knowledge; Chapter 14: Single-chamber timing cycles; Introduction; Magnet mode; What pacemakers do; Sensing; Rhythm strips; Inhibition; Pacing; Fusion, pseudofusion, and mass confusion; Timing cycles; Refractory and alert periods; Automatic and escape intervals; Rate hysteresis; Search hysteresis
Conclusion

Sommario/riassunto

Tom Kenny, one of the best-known and well-respected educators in EP brings his signature style to this new primer
Practical, accessible, highly illustrated approach makes learning easy
Provides an overview of the algorithms and devices offered by the world's five pacemaker manufacturers
Offers clinicians learning objectives, test questions and essential points in bulleted lists
Perfect introductory guide to the topic, assumes little baseline knowledge and appropriate for residents, fellows, EP nurses, general clinical cardiologists, EP fellows and industry professionals
