



## Diagnostic of heart diseases with computerized tomography method

**Original title (in Serbian):** Dijagnostika bolesti srca metodom kompjuterizovane tomografije  
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The book “Diagnostic of heart diseases with computerized tomography method” is a new monograph which provides up-to-date and in-depth discussion about cardiac multi-slice computerized tomography (MSCT) method. It gives the comprehensive information and review about diagnostics of cardiovascular diseases on this advanced imaging procedure. This monograph is a result of a significant and years-long scientific research of Dr. Dragana Ilić in the field of cardioradiology. The book is based on her doctoral thesis, defended on July 8, 2016, at the Faculty of Medicine, University of Niš. The book has 135 pages and represents a bilingual monograph, written in the Serbian and English language. There are no previous books in this field in the Serbian language. The book has masterfully edited following chapters: Abstract, Introduction, Clinical anatomy of the heart, Cardiac MSCT in clinical practice, Review of pathological changes of heart structures on MSCT, Importance of cardiac MSCT based on studies and meta-analyses, Conclusion, References, Index and Summary.

The book represents a great resource for those who are new to this field and a trustworthy reference for those needing answers to specific questions or looking to update their knowledge. In this monograph, some basic information about the cardiac MSCT examination is provided as well as the pathway of heart examination procedures through history up to the contemporary methods of examination. This book gives major technological advances in cardiac MSCT. A special attention is given to the anatomical presentation of coronary circulation and modified clinical approach, which enables a precise determination of the localization of pathological changes. All anatomical structures are observed, discussed and illustrated the way they are visualized on MSCT from the anatomical and pathological point of view. Some of the most important information, as well as indications and contraindications for the cardiac MSCT examination, are precisely defined and listed with the special focus on technical performance methods for some particular conditions and diseases according to the clinical indication.

The special chapter in this monograph is dedicated to some basic principles of CT physics and procedures and characteristics of the technical examination itself. A special attention is devoted to patient preparation and pretreatment before this procedure. Advantages and disadvantages as well as perspectives of cardiac MSCT are discussed in one of the chapters. Author of this book gives the comparative overview of multiple heart examination procedures which indicates the practical importance that this book can have in everyday clinical practice in decision-making, depending on the clinical condition of the patient.

The book is very easy to read and well-illustrated with over 300 tables, figures, illustrations and original pictures of outstanding and long work of Dr. Dragana Ilić. The illustrations are of a high quality and the clinical information is brought up-to-date in this rapidly evolving field. The 215 refer-

ences have been carefully selected to blend both historically essential references and recent journal publications making the monograph seamless.

It would be an invaluable aid to both radiologists and cardiologists with an interest in non-invasive imaging as well as for other specialty doctors, researchers, radiology residents, trainees, students, radiology technicians and everyone who has an interest in this field. I would recommend this monograph as it will help other researchers in future to upgrade current technical achievements and possibilities of more precise diagnostics of pathological changes of the cardiovascular system.

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