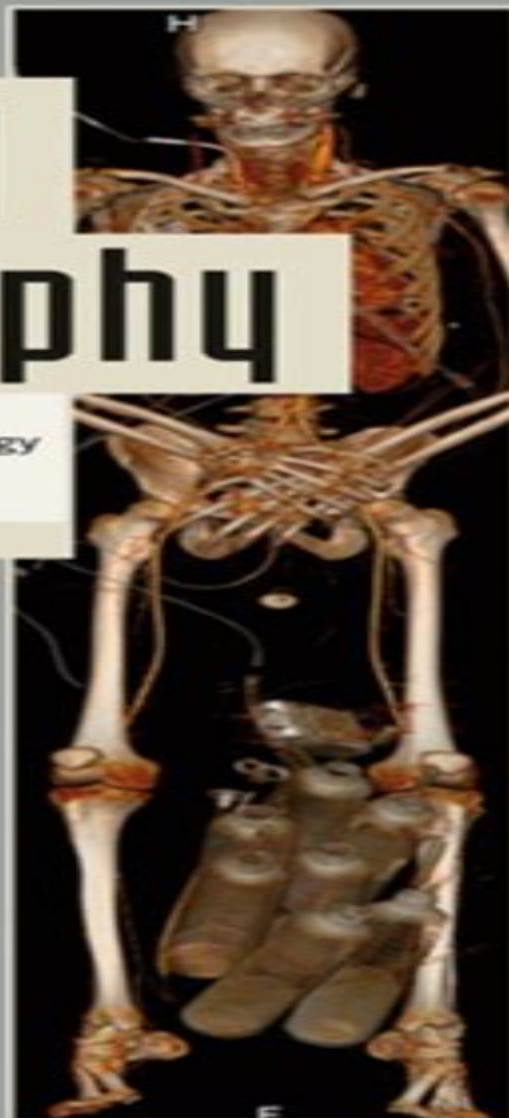
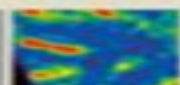
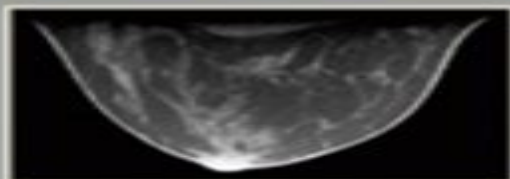
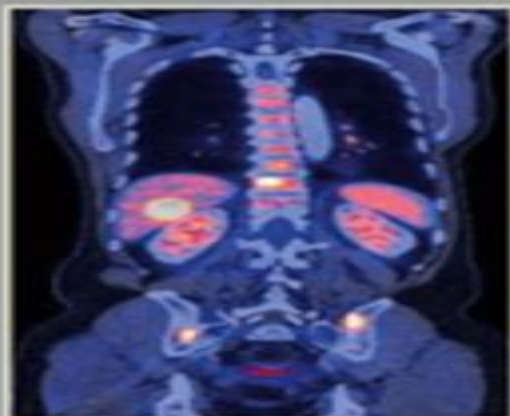


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cardiovascular diseases Chapters cover PET CT SPECT CT SPECT MRI PET MRI PET optical imaging SPECT optical imaging photoacoustic Imaging and hybrid intravascular imaging It also addresses the important issues of multimodality imaging probes and image quantification Readers from radiology and cardiology as well as medical imaging and biomedical engineering will learn essentials of the field They will be shown how the field has advanced quantitative analysis of molecularly targeted imaging through improvements in the reliability and reproducibility of imaging data Moreover they will be presented with quantification algorithms and case illustrations including coverage of such topics such as multimodality image fusion and kinetic modeling Yi Hwa Liu PhD is Senior Research Scientist in Cardiovascular Medicine at Yale University School of Medicine and Technical Director of Nuclear Cardiology at Yale New Haven Hospital He is also an Associate Professor Adjunct of Biomedical Imaging and Radiological Sciences at National Yang Ming University Taipei Taiwan and Professor Adjunct of Biomedical Engineering at Chung Yuan Christian University Taoyuan Taiwan He is an elected senior member of Institute of Electrical and Electronic Engineers IEEE and a full member of Sigma Xi of The Scientific Research Society of North America Albert J Sinusas M D FACC FAHA is Professor of Medicine Section of Cardiovascular Medicine and Radiology and Biomedical Imaging at Yale University School of Medicine and Director of the Yale Translational Research Imaging Center Y TRIC and Director of Advanced Cardiovascular Imaging at Yale New Haven Hospital He is a recipient of the Society of Nuclear Medicine s Hermann Blumgart Award

NonInvasive Cardiovascular Imaging: A Multimodality Approach Mario J. Garcia, 2012-03-28 This textbook covers the fundamental principles of cardiovascular imaging modalities and their applications for the diagnosis of cardiovascular diseases The main focus is on the comprehensive diagnosis of clinical conditions disease entities through the most effective cardiovascular imaging test or combination The authors discuss the clinical utility and relative value of each test to address specific clinical questions based on evidence and expert opinion Each chapter presents information in the following format overview discussion of pathophysiology differential diagnosis diagnostic evaluation prognosis therapeutic guidance with illustration of treatment pathway A companion Website will offer the full text ten multiple choice questions for each chapter still and cine images and imaging clips

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Table of Contents Computed Tomography Fundamentals System Technology Image Quality Applications

1. Understanding the eBook Computed Tomography Fundamentals System Technology Image Quality Applications
 - The Rise of Digital Reading Computed Tomography Fundamentals System Technology Image Quality Applications
 - Advantages of eBooks Over Traditional Books
2. Identifying Computed Tomography Fundamentals System Technology Image Quality Applications
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Computed Tomography Fundamentals System Technology Image Quality Applications
 - User-Friendly Interface
4. Exploring eBook Recommendations from Computed Tomography Fundamentals System Technology Image Quality Applications
 - Personalized Recommendations
 - Computed Tomography Fundamentals System Technology Image Quality Applications User Reviews and Ratings
 - Computed Tomography Fundamentals System Technology Image Quality Applications and Bestseller Lists
5. Accessing Computed Tomography Fundamentals System Technology Image Quality Applications Free and Paid eBooks
 - Computed Tomography Fundamentals System Technology Image Quality Applications Public Domain eBooks
 - Computed Tomography Fundamentals System Technology Image Quality Applications eBook Subscription Services
 - Computed Tomography Fundamentals System Technology Image Quality Applications Budget-Friendly Options
6. Navigating Computed Tomography Fundamentals System Technology Image Quality Applications eBook Formats
 - ePub, PDF, MOBI, and More
 - Computed Tomography Fundamentals System Technology Image Quality Applications Compatibility with Devices
 - Computed Tomography Fundamentals System Technology Image Quality Applications Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Computed Tomography Fundamentals System Technology Image Quality

Applications

- Highlighting and Note-Taking Computed Tomography Fundamentals System Technology Image Quality Applications

- Interactive Elements Computed Tomography Fundamentals System Technology Image Quality Applications

8. Staying Engaged with Computed Tomography Fundamentals System Technology Image Quality Applications

- Joining Online Reading Communities

- Participating in Virtual Book Clubs

- Following Authors and Publishers Computed Tomography Fundamentals System Technology Image Quality Applications

9. Balancing eBooks and Physical Books Computed Tomography Fundamentals System Technology Image Quality Applications

- Benefits of a Digital Library

- Creating a Diverse Reading Collection Computed Tomography Fundamentals System Technology Image Quality Applications

10. Overcoming Reading Challenges

- Dealing with Digital Eye Strain

- Minimizing Distractions

- Managing Screen Time

11. Cultivating a Reading Routine Computed Tomography Fundamentals System Technology Image Quality Applications

- Setting Reading Goals Computed Tomography Fundamentals System Technology Image Quality Applications

- Carving Out Dedicated Reading Time

12. Sourcing Reliable Information of Computed Tomography Fundamentals System Technology Image Quality Applications

- Fact-Checking eBook Content of Computed Tomography Fundamentals System Technology Image Quality Applications

- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements

- Interactive and Gamified eBooks

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