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Nota di contenuto	Front Cover; Series Preface; Quotation; Contents; Contributors; Editor; Acknowledgement to the First Edition; Acknowledgement to the Second Edition; Abbreviations; Introduction and Some Challenging Questions; Chapter 1 - In the Beginning: the Origins of Medical Imaging; Chapter 2 - Diagnostic Radiology with X-Rays; Chapter 3 - X-Ray Transmission Computed Tomography; Chapter 4 - Clinical Applications of X-Ray Computed Tomography in Radiotherapy Planning; Chapter 5 - Radioisotope Imaging; Chapter 6 - Diagnostic Ultrasound; Chapter 7 - Spatially Localised Magnetic Resonance Chapter 8 - Physical Aspects of Infrared Imaging Chapter 9 - Imaging of Tissue Electrical Impedance; Chapter 10 - Optical Imaging; Chapter 11 - Mathematics of Image Formation and Image Processing; Chapter 12 - Medical Image Processing; Chapter 13 - Perception and Interpretation of Images; Chapter 14 - Computer Requirements of Imaging Systems; Chapter 15 - Multimodality Imaging; Chapter 16 - Epilogue; Back Cover
Sommario/riassunto	Since the publication of the best-selling, highly acclaimed first edition, the technology and clinical applications of medical imaging have changed significantly. Gathering these developments into one volume, Webb's Physics of Medical Imaging, Second Edition presents a thorough update of the basic physics, modern technology and many examples of clinical application across all the modalities of medical imaging.