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Titolo	Diffusion Weighted Imaging of the Genitourinary System : Techniques and Clinical Applications / / edited by Deniz Akata, Nikolaos Papanikolaou
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Descrizione fisica	1 online resource (180 pages) : illustrations
Disciplina	616.07548
Soggetti	Radiology Oncology Urology Gynecology Nephrology Biomedical engineering Imaging / Radiology Oncology Gynecology Biomedical Engineering and Bioengineering
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Sommario/riassunto	This book discusses diffusion weighted imaging (DWI) and its evolving clinical role. DWI has frequently been used in the abdomen and pelvis but is now increasingly being used in other clinical applications, especially for the diagnostic workup of oncologic patients. Standardization and clinical validation of quantitative DWI related biomarkers is still ongoing, although efforts have been undertaken, especially in the prostate, to provide standardized imaging guidelines for different clinical indications. The technical aspects and clinical applications of DWI presented focus on the respective anatomical region and its pathologies. The book is unique in providing tables of

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technical details (imaging protocols, artifacts, optimization techniques)
for each chapter, making this complex area as simple and practical as
possible. The book is intended for radiologists interested in urogenital
radiology and also for radiology residents.