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Titolo	Diffusion Weighted Imaging of the Gastrointestinal Tract : Techniques and Clinical Applications / / edited by Sofia Gourtsoyianni, Nikolaos Papanikolaou
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Descrizione fisica	1 online resource (85 pages)
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	DWI sequences for GI tract Imaging -- Upper GI Tract (oesophagus/stomach/duodemum) – Simon Jackson -- Small bowel - IBD (Crohn's disease) -- Small bowel - Tumours (e.g. carcinoid, lymphoma,serosal disease from other primaries)- Phillippe Soyer/ Christine Hoeffel -- Large bowel (Diverticulitis vs sigmoid cancer, polyps , MRColonography?) -- Rectum (rectal cancer- pre/post..)- Regina Beets Tan and coworkers -- Anal canal (anal cancer)- Sofia Gourtsoyianni and Vicky Goh. .
Sommario/riassunto	This book explains how diffusion weighted imaging has been incorporated in routine MRI examinations of the abdomen and pelvis: though its clinical role is still evolving, it is already considered an important tool for the assessment of rectal cancer treatment response, as was confirmed in recent ESGAR consensus statements. The standardization and clinical validation of quantitative DWI related biomarkers are still in progress, although certain efforts have been undertaken to establish imaging guidelines for different clinical indications/body parts. The book reviews the technical aspects and

clinical applications of DWI in imaging of the GI tract, and provides specific technical details (imaging protocols, artefacts, optimization techniques) for each GI tract division. This volume is mainly intended for radiologists who are interested in abdominal radiology, as well as radiology residents. Given that magnetic resonance physics is complex and can be cumbersome to learn, the authors have made it as simple and practical as possible. The book offers a useful tool for radiologists with a particular interest in the gastrointestinal tract radiology, as well as for radiology residents. .