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CT of the Retroperitoneum

From Conventional to Multi-energy Imaging

- Provides completely up-to-date information on a continuously evolving field
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- The important issue of radiation dose
- Presents the role of DECT in imaging adrenal pathology

This book provides a comprehensive and up-to-date overview of the continuously evolving field of dual-energy CT (DECT). An introductory section presents information on the physical and technical background of DECT and considers nonspecific and specific software advantages. Clinical applications of DECT in the evaluation of retroperitoneal viscera are then addressed in detail with the help of high-quality illustrations. Particular attention is devoted to the most recent DECT study protocols, software, and applications in aortic, renal, pancreatic, and adrenal disease. A number of case studies are reported that elucidate the advantages of DECT, and the relevant literature is extensively discussed. The book closes by considering radiation dose and dose-saving measures. The simple and practical approach offered by this book will assist radiologists in the optimal routine use and interpretation of DECT in different retroperitoneal sites and radiology technologists in the choice of settings and parameters.

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