

## Francis A. Burgener, Christopher Herzog, Steven P. Meyers, Wolfgang Zaunbauer (eds): *Differential Diagnosis in Computed Tomography* (2nd edition)

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Valeria Gaudieri · Luigi Mansi

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This is the second edition of a successful book, much more extensive and detailed in respect to the first one, published 15 years ago, mainly as a consequence of the innovations in CT technology. In this sense, many chapters including new methodological applications have been added and most of the images have been replaced by new ones of better quality. The authors are Francis A. Burgener, Professor of Radiology, and Steven P. Meyers, Professor of Radiology and Neurosurgery, both working at the University of Rochester Medical Center, USA, Christopher Herzog from the Department of Radiology at the Rotkreuzklinikum of Munich, Germany and Wolfgang Zaunbauer from the Institute of Radiology at the Kantonsspital in St. Gallen, Switzerland. The contributions of Gregory Dieudonné, Scott A. Mooney and Richard T. White also have to be recognized.

The book is organized into 6 parts, including 29 chapters comprising 854 pages and enriched by 2,146 beautiful and effective illustrations, accompanied by explanatory notes and tables. Each chapter, following an organization based on disease and type of lesion, includes both CT findings and comments.

The first part is devoted to intracranial lesions and is divided into four chapters, which are very extensive and detailed. The introduction provides a brief overview of major diseases and their pathogenesis; the role of CT

appears especially useful in the evaluation of bony structures and in cerebral infarcts. The second part focuses on the head and neck region and is organized into five chapters, each of which contains an excursus on the anatomy of the examined region.

The third part deals with the spine with a greater focus on injuries and diseases of the skeletal compartment, which are well evaluated by CT.

The fourth part, in five chapters, covers the musculoskeletal system; the chapter on trauma and fractures is particularly comprehensive and detailed.

The fifth part is devoted to the chest and is divided into three chapters in which pulmonary diseases are widely considered while minor space is dedicated to the heart; in the treatment of the mediastinum the division into compartments is not considered.

The sixth and final part, consisting of 11 chapters, deals with the abdomen and pelvis. While both diffuse and focal diseases of the liver are extensively treated, only focal lesions are considered for kidneys.

In conclusion this volume certainly offers very good support for all readers interested in CT, because of the high quality of the images accompanied by a well-organized and easy readable didactic content.

Although the book is primarily addressed to radiologists, we recommend it to all those clinicians, trainees and students who are interested in the interpretation of CT images, first of all to nuclear physicians working with hybrid machines. In fact, although ponderous, its strength is in a slender structure that allows easy reference. Therefore this book represents a useful publication also for the library of all nuclear medicine departments.

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V. Gaudieri (✉) · L. Mansi  
Nuclear Medicine, Second University of Naples,  
Naples, Italy  
e-mail: v.gaudieri@libero.it

L. Mansi  
e-mail: luigi.mansi@unina2.it