Michael Forsting, Olav Jansen: MR Neuroimaging. Brain, Spine, Peripheral Nerves

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This work is a multi-author book, aimed at being a concise, up to date, and essential guide in the field of magnetic resonance (MR) imaging of the central nervous system in everyday practice.

It is composed of two main parts, respectively, devoted to the brain, and the spinal cord and canal, and a shorter third part dealing with the peripheral nerves. Part I includes ten sections subsequently entitled: Anatomy, Vascular Diseases, Brain Tumors, Head Trauma, Infections, Multiple Sclerosis and Related Disorders, Metabolic Disorders, Degenerative Diseases, Malformations and Developmental Abnormalities, Hydrocephalus and Intracranial Hypotension. Part II is composed of seven sections subsequently entitled: Anatomy, Degenerative Spinal and Foraminal Stenoses, Trauma, Tumors and Tumorlike Masses, Vascular Diseases, Inflammations Infections and Related Diseases, Malformations and Developmental Abnormalities. The final eight pages (Part III) offer a concise overview of technical principles of MR Neurography, and main neuropathies.

The presentation is very clear and practical, using a systematic approach including summaries of epidemiology, clinical manifestations, pathology, MRI findings, and differential diagnosis for most disorders. The text is easy to read and accompanied by numerous tables, offering a concise and practical overview of classifications or specific

issues regarding various lesions. In addition, besides MR images, pedagogical drawings mostly devoted to anatomy and pathophysiology are displayed. Most of all, attractive blue boxes labelled “Notes, Tips and Tricks, or Pitfall” highlight succinct and essential messages throughout the book. Reference citations have been kept to a minimum, with a short list of further reading at the end of each chapter.

Richly illustrated, this book displays more than 1300 high-resolution images obtained mostly with 3T MRI, all of excellent quality.

This work is the English translation of the second successful German edition of “MRT des Zentralnervensystems” (MRI of the Central Nervous System) published in 2014. The editors are Michael Forsting, Professor and Medical Director, Department of Diagnosis and Interventional Radiology and Neuroradiology, Essen University Medical Center, Essen, Germany, and Olav Jansen, Professor and Chairman, Department of Radiology and Neuroradiology Schleswig-Holstein University Medical Center, Kiel, Germany. Twenty-four German contributors have collaborated in writing the book.

To conclude, this practical and well-illustrated book, intended as an indispensable tool at the workplace, may be of great value for all radiologists, neurologists, and neurosurgeons.

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