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| Nota di contenuto | PART I GENERAL CONSIDERATIONS IN BRAIN TUMORS -- Chapter 1 Pathology, Epidemiology and WHO Classification of Brain Tumors -- Chapter 2 When and How to Use Imaging in Brain Tumors, Protocols -- Chapter 3 Pearls in Conventional Imaging Methods for Brain Tumors -- Chapter 4 Diffusion, Perfusion and PET Imaging of Brain Tumors -- Chapter 5 Role of Magnetic Resonance Spectroscopy in Clinical Management of Brain Tumors -- Chapter 6 Diffusion Tensor Imaging and Functional Magnetic Resonance in Brain Tumor Imaging -- Chapter 7 Brain Tumours Imaging: Developing New Technique and Future Perspectives (Including Molecular Imaging, Radiogenomics) -- Chapter 8 The Basic Molecular Genetics and the Common Mutations of Brain Tumors -- Chapter 9 Clinical Treatment of Brain Tumors -- PART II ~ CASE BASED LEARNING IN BRAIN TUMORS -- Chapter 10 Non neoplastic Mass Lesions of the Brain -- Chapter 11 Extraaxial Tumors -- Chapter |

12 Pediatric Brain Tumours -- Chapter 13 Primary Intra axial Brain Tumours -- Chapter 14 Secondary Brain Tumours -- Chapter 15 Tumour-like Conditions of the Brain -- Chapter 16 Preoperative Surgery Planning and Peroperative Imaging -- Chapter 17 Post-operative Imaging -- Chapter 18 Follow up and Treatment Changes.

Sommario/riassunto

This book presents and analyzes clinical cases of brain tumors and follows the classification provided by the WHO in 2016. After introductory chapters reviewing the international literature on the topic, the advances made in all imaging modalities (especially Magnetic Resonance and Computed Tomography) are examined. All radiological findings are supplemented with a wealth of images and brief explanations. The clinical information is given as part of the case discussion, as are the characteristics and differential diagnosis of the tumors. Radiologic-pathologic correlations round out the description of each clinical case. Intended as a quick and illustrative reference guide for radiology residents and medical students, this atlas represents the most up-to-date, practice-oriented reference book in the field of Brain Tumor Imaging.
