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Nota di contenuto

Introduction to Brain Disorders -- Radiological imaging in Brain disorders -- PET tracers for brain imaging -- 18F-FDG PET-CT: Brain Imaging -- 18F-FDG PET/CT in Neuro degenerative disease -- 18F-FDG PET/CT in Movement disorders -- 18F-FDG PET in Epilepsy -- PET/CT in Neuro-oncology -- 18F-FDG Pitfalls and Limitations of PET/CT in Brain Imaging -- Clinical applications of Non 18F-FDG PET-CT Tracers in brain imaging -- Amyloid PET Imaging of the brain -- PET/CT-Based Radiotherapy Planning in Brain Tumours -- Clinical applications of PET/MRI in brain Imaging -- Clinical atlas of Brain PET-CT.

Sommario/riassunto

This well-illustrated pocket book offers up-to-date guidance on the clinical and research applications of PET/CT in the most common neurological and neuro-oncological disorders. The opening chapters cover the pros and cons of widely used radiological imaging techniques, scanners, and radiopharmaceuticals, with emphasis on the state of the art hybrid modalities, primarily PET/CT but also PET/MRI. Helpful information is provided on the clinical and research tracers used in neurodegenerative diseases, movement disorders, epilepsy and brain tumours. These four killers are then discussed in detail, highlighting the role of PET/CT and targeted tracers in their assessment and in radiotherapy planning. In addition, the clinical applications of PET/MRI are considered. Throughout, many images are included to better explain the diseases and the role of hybrid imaging, and the final chapter presents a large sample of teaching cases and files that will assist in daily clinical practice. The book has been compiled under the auspices of the British Nuclear Medicine Society. It will be an excellent asset for nuclear medicine physicians, radiologists, radiographers, neurologists and neurosurgeons. .