Handbook of Neuro-Oncology Neuroimaging, Second Edition

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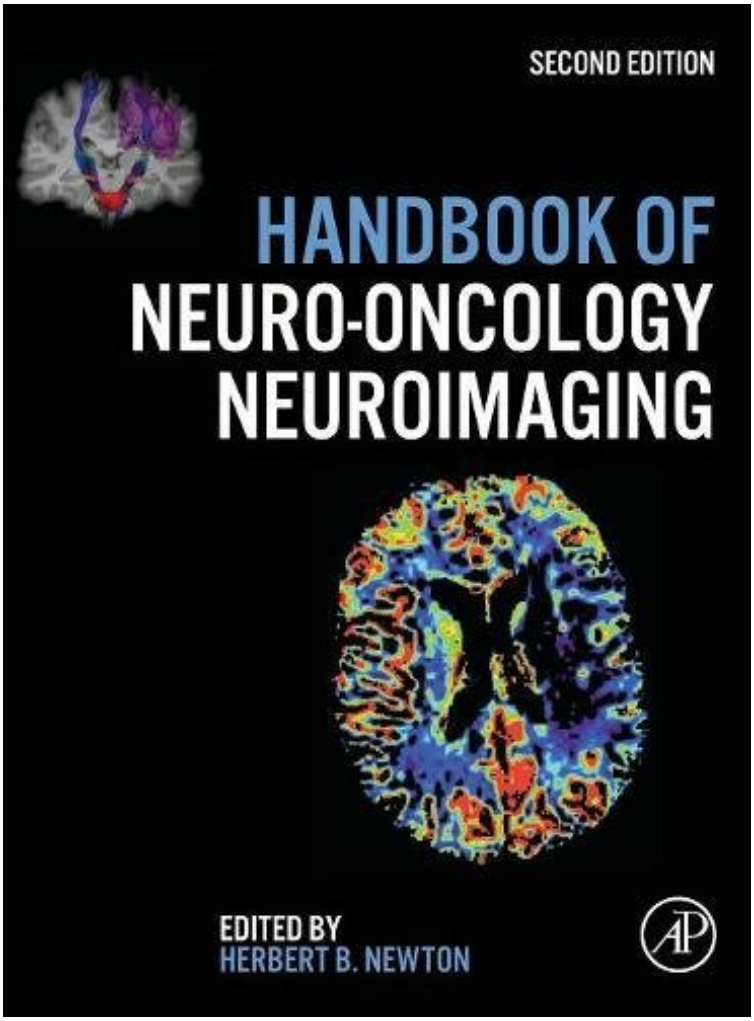

#1463725 in Books Ingramcontent 2016-04-26Original language:EnglishPDF # 1 11.02 x 1.81 x 8.50l, 6.68 #File Name: 0128009454864 pagesHandbook of Neuro Oncology Neuroimaging | File size: 57.Mb

From Ingramcontent : Handbook of Neuro-Oncology Neuroimaging, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Handbook of Neuro-Oncology Neuroimaging, Second Edition:

Remarkable progress in neuro-oncology due to increased utilization of advanced imaging in clinical practice continues to accelerate in recent years. Refinements in magnetic resonance imaging (MRI) and computed tomography (CT) technology, and the addition of newer anatomical, functional, and metabolic imaging methods, such as MRS, fMRI, diffusion MRI, and DTI MRI have allowed brain tumor patients to be diagnosed much earlier and to be followed more carefully during treatment. With treatment approaches and the field of neuro-oncology neuroimaging changing

rapidly, this second edition of the Handbook of Neuro-Oncology Neuroimaging is so relevant to those in the field, providing a single-source, comprehensive, reference handbook of the most up-to-date clinical and technical information regarding the application of neuro-Imaging techniques to brain tumor and neuro-oncology patients. This new volume will have updates on all of the material from the first edition, and in addition will feature several new important chapters covering diverse topics such as advanced imaging techniques in radiation therapy, therapeutic treatment fields, response assessment in clinical trials, surgical planning of neoplastic disease of the spine, and more. It will also serve as a resource of background information to neuroimaging researchers and basic scientists with an interest in brain tumors and neuro-oncology. Provides a background to translational research and the use of brain imaging for brain tumorsContains critical discussions on the potential and limitations of neuroimaging as a translational tool for the diagnosis and treatment of brain tumor and neuro-oncology patientsPresents an up-to-date reference on advanced imaging technologies, including computed tomography (CT), magnetic resonance imaging (MRI), and positron emission tomography (PET), as well as the recent refinements in these techniques

From the Back CoverRemarkable progress has taken place in neuro-oncology because of the increased utilization of advanced imaging technologies in clinical practice, and continues to accelerate in recent years. With the introduction of computed tomography (CT), magnetic resonance imaging (MRI), and positron emission tomography (PET), anatomical, functional, and metabolic imaging have improved the visualization and localization of tumors, and provided target definition for various therapeutic modalities. The further refinements in MRI and CT technology, and the addition of newer imaging methods, such as MRS, fMRI, diffusion MRI, and DTI MRI have allowed brain tumor patients to be diagnosed much earlier in the course of their illness and to be followed more carefully during treatment. The first edition of the Handbook of Neuro-Oncology Neuroimaging has served as a single-source, comprehensive, reference handbook that encompassed the most up-to-date clinical and technical information regarding the application of neuro-Imaging techniques to brain tumor and neuro-oncology patients. The field of neuro-oncology neuroimaging is changing very quickly, as are the treatment approaches being used in this patient population. That is why the production of a 2nd edition seems so relevant to those in the field. This new volume will have updates on all of the material from the previous chapters from the 1st edition. In addition, several new important chapters covering diverse topics such as "Advanced Imaging Techniques in Radiation Therapy Planning for Tx of Brain Tumors", "Advanced Imaging Techniques and Planning with Therapeutic Treatment Fields", "RANO Criteria: Response Assessment in Clinical Trials", "Pseudoprogression in Neuro-Oncology: Overview, Pathophysiology, and Interpretation", and "Neuroimaging for Surgical Planning of Neoplastic Disease of the Spine" will also be featured. In addition, the book can serve as a resource of background information to neuroimaging researchers and basic scientists with an interest in brain tumors and Neuro-Oncology.About the AuthorDr. Newton is currently the Director of the Neuro-Oncology Center and CNS Oncology Program at the Florida Hospital Cancer Institute and Florida Hospital Orlando. He recently retired as a Professor of Neurology, Neurosurgery, Oncology at the Wexner Medical Center at Ohio State University and the James Cancer Hospital, and was the holder of the Esther Dardinger Endowed Chair in Neuro-Oncology. He trained in Neuro-Oncology with Drs. Jerome Posner and William Shapiro at Memorial Sloan-Kettering Cancer Center in New York City, and since then had been in academic Neuro-Oncology for over 25 years - until his retirement. He has published more than 220 peer-reviewed articles and book chapters, and is the Chief Editor or Co-Editor of eight textbooks in the field of Neurology and Neuro-Oncology. In addition, he has been listed as a Best Doctor (Neurology) and Top Doctor for Cancer (Neuro-Oncology) for the past 16 years.