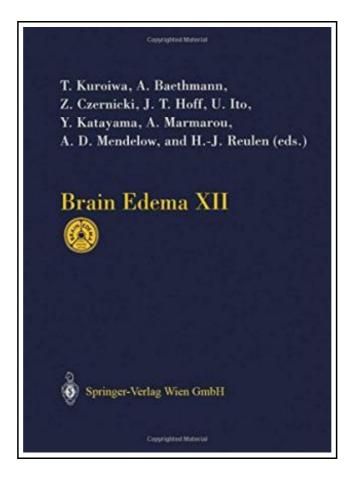
Brain Edema XII



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Reviews

This pdf is indeed gripping and interesting. It is definitely simplistic but shocks within the 50 percent of your book. Once you begin to read the book, it is extremely difficult to leave it before concluding. (Michael Spinka)

BRAIN EDEMA XII



Book Condition: New. Publisher/Verlag: Springer, Wien | Proceedings of the 12th International Symposium, Hakone, Japan, November 10-13, 2002 | Brain edema is a simple phenomenon - an abnormal increase of brain tissue volume by the increase of brain tissue water content. However the etiology is not simple and relating to a wide variety of neurological disorders including ischemia, trauma, tumor, hemorrhage and hydrocephalus. It is still a major cause of death in the neurological/neurosurgical ward. This volume is an up-to-date report on progress in brain edema research, diagnosis and treatment, including papers presented at the 12th International Symposium on Brain Edema and Brain Tissue Injury in 2002. Major topics include molecular biology and blood-brain barrier disorders, ischemic and traumatic brain edema, imaging and diagnosis of brain edema, treatment and radiation effect. Various papers in the rapidly growing fields of neuroimaging and molecular medicine are also included. | 'General review.- Concept and pathogenesis of "hypoxic-ischemic encephalopathy".- Pathophysiology of traumatic brain edema : current concepts.- Brain edema from intracerebral hemorrhage.- Hydrostatic brain edema: basic mechanisms and clinical aspect.- Non-invasive imaging methods for the characterization of the pathophysiology of brain ischemia.- Cécile & Oskar Vogt: The significance of their contributions in modern neuroscience.- Imaging.- Estimating blood-brain barrier opening in a rat model of hemorrhagic transformation with Patlak plots of Gd-DTPA contrast-enhanced MRI.- Recent development of MR imaging technique for the investigation of brain function.- Energy metabolism and cerebral blood flow during cytotoxic brain edema induced by 6-aminonicotinamide.- PET neuroreceptor imaging as predictor of severe cerebral ischemic insult.- Pet investigation of post-traumatic cerebral blood volume and blood flow.- Quantitative evaluation of cerebral vascular permeability using multi-slice dynamic CT.-Acetazolamide vasoreactivity evaluated by transcranial harmonic perfusion imaging: relationship with transcranial Doppler sonography and dynamic CT.- Functional brain imaging of optical topography.-Experimental global ischemia.- Significant...



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