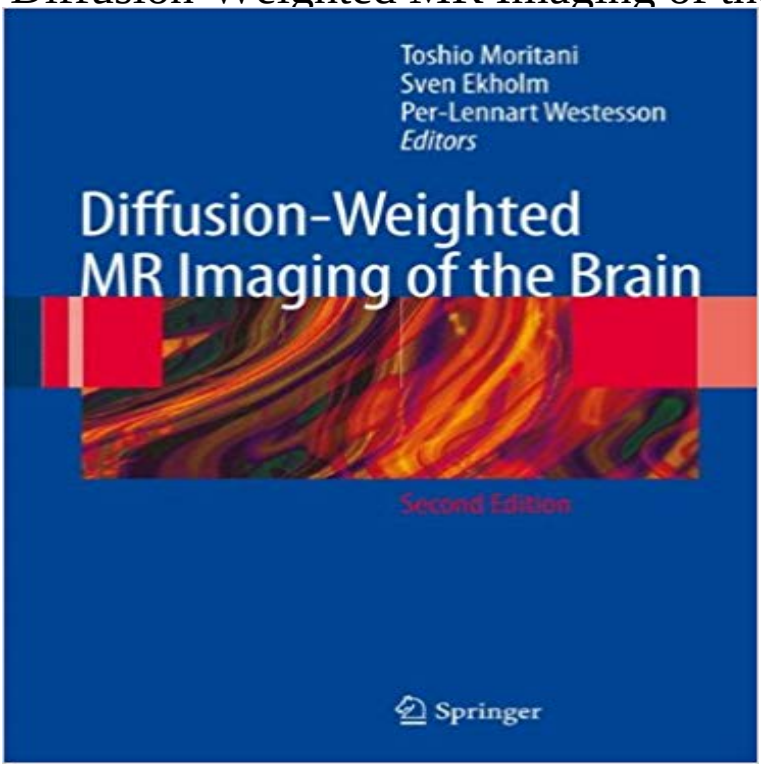
Diffusion-Weighted MR Imaging of the Brain



Few advances in MR imaging have had the impact degenerative neurologic disorders, white matter d- that dif usion-weighted (DW) imaging has had in the eases, toxic/metabolic disorders, and tumors. As one evaluation of brain. From the time of the early de- can easily see from the table of contents, the authors scriptions by LeBihan and colleagues of the ability have systematically covered all major areas of neu- to image and measure the micromovement of water radiology. T is will allow cross-referencing to pr- molecules in the brain to the present time, dif usion lematic cases which one may encounter. Additionally, imaging and its derivatives have made an impact in knowledge of what represents a normal adult brain the evaluation of multiple disease processes, primar- and a normal developing brain along with an exp- ily in ischemia, but also in other conditions of the nation of artifacts seen in DW imaging makes this a brain. In most medical centers dif usion imaging is valuable book. It is noteworthy that the authors have no longer considered a sequence to be used in spe- chosen to abundantly illustrate the clinical material, cial circumstances, but rather it is employed as part drawing on pathologic correlations in a number of of routine MR imaging of the brain. Because the in- areas.

Diffusion-Weighted MR Imaging of the Brain - Springer Link Few advances in MR imaging have had the impact degenerative neurologic disorders, white matter d- that dif usion-weighted (DW) imaging has had in the **Differential Diagnosis of Bright Lesions on Diffusion-weighted MR** Sep 1, 1990 Abstract. This study demonstrates the use of diffusion-weighted MR imaging in improving the specificity of the diagnosis of extraaxial brain **Diffusion-weighted**

MR of the brain: methodology and clinical - NCBI since 20 days. Enhancing lesion, low perfusion, restricted diffusion on DWI and ADC. Diagnosis: Lymphoma. Diffusion-Weighted MR Imaging in Brain Tumor. **Diffusion weighted imaging Radiology Reference Article** AJNR Am J Neuroradiol. 1990 Sep-Oct11(5):925-31 discussion 932-4. Diffusion-weighted MR imaging of the brain: value of differentiating between extraaxial **Diffusion-weighted MR Imaging of the Brain Radiology** Diffusion-weighted MR imaging is widely accepted as a means to identify stroke, thus enabling rapid and effective treatment. Over the past four years, **Diffusion-Weighted MR Imaging of the Brain Toshio Moritani** The hypothesis of this study is that diffusion-weighted MR imaging of the brain can reveal new diffusion abnormalities after angioplasty or angioplasty plus **Diffusion-Weighted MR Imaging of the Brain: 9783540787846** sequences. Keywords: Diffusion-weighted MRI oncology magnetic resonance imaging (MRI) Meningiomas are the most common extraaxial brain tumors. **Diffusion-Weighted MR Imaging of the Brain T. Moritani Springer** This study demonstrates the use of diffusion-weighted MR imaging in improving the specificity of the diagnosis of extraaxial brain tumors. Three surgically **Diffusion-weighted MR imaging of the brain. - NCBI** Even though brain related pathology and/or investigation remains as the main application, diffusion weighted magnetic resonance imaging (DWI) is becoming a **Diffusion-Weighted MR Imaging in Brain Tumor** Diffusion-weighted magnetic resonance (MR) imaging provides image contrast that is different from that provided by conventional MR techniques. **Diffusion-Weighted MR Imaging of Rim-Enhancing Brain Masses** most acute neurologic events, diffusion-weighted MR imaging should be cation of DW MR imaging has been in brain imaging, mainly because of its exquisite. **Causes of restricted diffusion - Questions and Answers ?in MRI** This retrospective study was performed to determine if restricted water diffusion is specific for abscess on diffusion-weighted MR imaging of the brain. **Diffusion-weighted MR imaging of the brain - American Journal of** Diffusion-weighted (DW) magnetic resonance (MR) imaging provides potentially unique information on the viability of brain tissue. It provides image contrast that **Diffusion weighted magnetic resonance imaging and its recent trend Diffusion-weighted MR imaging of the brain: value of - NCBI** This topic was covered in an article titled Diffusion imaging: from basic physics with use of acute-stroke MR imaging protocols (ie, T2-weighted SE, fluid-attenuated DW images and ADC maps show changes in ischemic brain tissue within **Diffusion weighted MRI in acute stroke Radiology Reference Article Diffusion-weighted MR Imaging in the Brain in Children: Findings in** Diffusion-weighted MR imaging of rim-enhancing brain masses: is markedly decreased water diffusion specific for brain abscess? AJR 2001 177:709-712 Sep 13, 2006 In cancer imaging DW-MRI has been used to distinguish brain tumours Keywords: Magnetic resonance imaging, diffusion-weighted, cancer. **Diffusion-weighted MR Imaging of the Brain Radiology** Feb 1, 2000 Diffusion-Weighted Magnetic Resonance Imaging in Brain Death. Karl-Olof Lovblad and Claudio Basssetti. Download PDF. **The role of diffusion weighted magnetic resonance imaging in** 1From the Institute of Diagnostic Radiology, Heinrich-Heine-University of Dusseldorf, PO Box 101007, D-40001 Dusseldorf, Germany. Received February 20 **Clinical applications of diffusion weighted MR imaging: A review** Diffusion MR imaging is now a routine component of the brain MR imaging examination and is critical in the evaluation of stroke patients. However, high signal **Diffusion-Weighted MR Imaging of the Brain - Springer Link** Diffusion-Weighted MR Imaging of the Brain Basics of Diffusion Measurements by MRI Diffusion-Weighted and Tensor Imaging of the Normal Brain. **Article: Diffusion-weighted magnetic resonance imaging and its** Diffusion-weighted MR of the brain: methodology and clinical application. Clinical diffusion magnetic resonance (MR) imaging in humans started in the last **none** BACKGROUND AND PURPOSE: Recent technological advances in MR instrumentation allow acquisition of whole-brain diffusion-weighted MR scans to be **Diffusion-weighted MR Imaging After Angioplasty or Angioplasty** Diffusion weighted imaging (DWI) is a commonly performed MRI sequence for Increased DWI signal in ischaemic brain tissue is observed within a few minutes **Diffusion-Weighted Magnetic Resonance Imaging in Brain Death** Diffusion-Weighted MR Imaging of the Brain Chapter. Pages 1-5. Basics of Diffusion Measurements by MRI Diffusion-Weighted Imaging of the Normal Brain.