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Dass S, Suttie JJ, Piechnik SK, Ferreira VM, Holloway CJ, Banerjee R, Mahmood M, Cochlin L, Karamitsos TD, Robson MD, et al. Myocardial tissue characterization using magnetic resonance noncontrast t1 mapping in hypertrophic and dilated cardiomyopathy. *Circulation Cardiovascular imaging*. 2012; 5 (6):726-733.

TISSUE CHARACTERIZATION OF THE MYOCARDIUM : STATE OF THE

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step, MR imaging is expected to characterize abnormal tissues. In this report the usefulness of T1 and T2 parameters for tissue characterization of brain tumors in vivo is evaluated. Subjects and Methods Thirty-seven patients with histopathologically diagnosed brain tumor were examined with a cryogenic 0.5-T superconductive MR system (Picker ...

MR Imaging: Possibility of Tissue Characterization of

The purpose of this article is to review the ability of MR imaging to help identify various types of soft tissue and to provide an approach to interpretation of MR images of the female pelvis through tissue characterization.

Tissue Characterization in the Female Pelvis by Means of

Editorial: Tissue Characterization with Cardiac MR Imaging Shah and Kwong or revascularization strategies), the generalizability of late enhancement in the identification of at-risk patients is further limited. Given the small sample size and the retrospective design of the

Tissue Characterization with Cardiac MR Imaging: A New

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Tissue Characterization of Intracranial Tumors by MR

tissue characterization using the angular separation of tissue signature vectors from the segmentation of multiparametric MRI. 17,19 This model was validated in the experimental

Multiparametric MRI Tissue Characterization in Clinical

The results indicate that tissue heterogeneity is responsible for most of the scatter in the relaxation times. It is concluded that tissue characterization by MR imaging, based solely on relaxation time measurements, seems to be of no value in the differentiation of intracranial tumors.

Tissue Characterization of Intracranial Tumors by MR

Ultrasonic Tissue Characterization. Determination of Myocardial Fiber Orientation of Intact Hearts from Quantitative Analyses of Echocardiographic Images SPECIFIC EXAMPLE: Fiber Architecture of the Left Ventricle. Objective ... DT-MR obtained images of fiber structure.

Myocardial Tissue Characterization by Ultrasonic Imaging

Tissue Characterization with MRI: The Value of the MR Parameters D.A. ORTENDAHL 1, N.M. HYLTON, and L. KAUFMAN Introduction In magnetic resonance imaging (MRI), the signal intensity depends indirectly on particular physical and chemical characteristics of the tissues being imaged.

Tissue Characterization with MRI: The Value of the MR

tissue characterization of intracranial tumors by mr imaging In vivo evaluation of T1- and T2-relaxation behavior at 1.5 T L. KJ~K C. THOMSEN, F. GJERRIS, B. MOSDAL and O.

Tissue Characterization of Intracranial Tumors by MR Imaging

Due to recent technical improvements with the introduction of motion artifact suppression techniques, fast imaging techniques, and the development of MR contrast agents, MR imaging of the liver has become an important tool in the diagnostic workup of patients.

Tissue Characterization of Focal Lesions by Liver MR

perfusion-weighted imaging (PWI), magnetic resonance spectroscopy (MRS), and diffusion tensor imaging (DTI), have improved evaluation in this regard, but remain limited. Tissue characterization is difficult because neoplasms are often heterogeneous, and different histopathologic grades can be present throughout an individual neoplasm.

Multiparametric Tissue Characterization of Brain Neoplasms

The proposed approach scores tissue regions and characterizes them using unsupervised clustering and multiparametric image analysis techniques. The method can be used for a variety of applications in the field of computer-aided diagnosis and treatment, including evaluation of response to treatment.

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