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Magnetic resonance imaging diffusion tensor imaging diffusion tensor imaging and fiber tracking diffusion tensor tractography in the management of intramedullary high grade astrocytomas

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Abstract

Some specially imaging of RMN , the diffusion-weighted imaging (DWI),the diffusion tensor imaging (DTI) and fractional anisotropy (FA), are useful to described, detect, and

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Diffusion-weighted, not **diffusion tensor, imaging** was used to visualize the pyramidal ... These investigators found that **DTI** fiber tracts maintained a **high** degree of ... both fMRI and **DTI** and then 16 patients to demonstrate **fiber tracking** in standard ... Functional **MRI** without direct stimulation was not helpful in identifying these ...

Diffusion tensor imaging to guide surgical planning in ...

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2014年1月7日 - **Intramedullary** spinal cord neoplasms (ISCN) in children provide diagnostic, **treatment** and **management** dilemmas. ..., **Diffusion tensor imaging** (DTI) and **diffusion tensor-fiber tracking** (DT-FT, i.e. "tractography") are ... All spinal cord tumors were assessed by **MRI** for size, signal characteristics, solid and/or ...

Diffusion tensor tractography as a supplementary tool to ...

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2014年9月2日 - **Diffusion tensor tractography** was used to visualize the morphological ... thus has the potential to be of great utility for **treatment** planning and follow up. ... **Diffusion tensor imaging** (DTI) is a noninvasive **MRI** technique that **MR diffusion tensor imaging** and **fiber tracking** in 5 spinal cord **astrocytomas**.

[PDF] Neurosurgical Applications of Magnetic Resonance ...

jdc.jefferson.edu/cgi/viewcontent.cgi?article=1067&context... ▾ [翻译此页](#)作者: BS Hirsch - 2012 - 被引用次数: 1 - [相关文章](#)

Magnetic Resonance (MR) **Diffusion Tensor Imaging** (DTI) is a rapidly ... neurosurgical applications for MR **DTI** including: (1) Tumor **grading** and ... Limitations of MR **DTI** include

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Summary: Spinal cord astrocytomas are rare neoplasms that can result in alteration of the ... The DTI sequence duration was 3 minutes 10 seconds. Three-dimensional tracking of axonal projections in the brain by magnetic resonance imaging. Treatment of Intracranial Aneurysms Using the Pipeline Flow-Diverter

(DTI) in pathological changes of the spinal cord

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作者: MJ Sasiadek - 2012 - 被引用次数: 9 - 相关文章

2012年6月1日 - Keywords: diffusion tensor imaging, spinal cord injury, degenerative myelopathy ... advanced non-invasive technique of magnetic resonance (MR) which enables hence it is potentially helpful in the planning of its treatment. MR diffusion tensor imaging and fiber tracking in 5 spinal cord astrocytomas.

Diffusion tensor imaging of the spinal cord: a review - SciELO

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