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Manuscript Type: Basic Study

Effects of iodinated contrast on various mri sequences and field strength:
Implications for characterization of hemorrhagic transformation in acute
stroke therapy

MR Imaging Effects of Iodinated Contrast

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Thomas Tomsick

Abstract

AIM: Many iodinated contrast material (ICM) have shown T1 and T2 shortening effects in vivo and in-vitro. Hemorrhagic changes can have similar effects. Our

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All animals showing **acute** Gd-DTPA enhancement subsequently developed petechial ...
Hemorrhagic transformation of **ischemic** brain tissue can occur either ... **MRI results**
during ischemia, immediately after reperfusion, and at 24 hours after **MRI contrast**
enhancement in **stroke**, with its **implications** for the risk of HT, ...

Magnetic Resonance Imaging in Acute Ischemic Stroke ...

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作者: BJ Kim - 2014 - 被引用次数: 18 - [相关文章](#)

2014年9月30日 - Keywords: Magnetic resonance image, Acute **ischemic stroke**,
Thrombolysis ... injury, including **hemorrhagic transformation** (HT) or massive edema are
still a concern. ... In this review, we discuss the clinical **implication** of **various MRI** the
surrounding brain tissue by the paramagnetic **effect** of the **contrast**.

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magnetic field and thus the largest NMR signal of **all** the elements. ... This **effect** explains
why T2 is much shorter than T1 in tissues, and why T2*-weighted images are also
capable of depicting **hemorrhagic transformations** of **ischemic** ...

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