

Name of Journal: *World Journal of Radiology*

Manuscript NO: 24392

Manuscript Type: Basic Study

Correlation of MR-signal characteristics and perfusion parameters assessed by volume perfusion CT in HCC- impact on lesion characterization

Grözinger G *et al.* Correlation of VPCT and MRI in HCC

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... EJ Rummeny, S. Metz; Munich/DE (holzapfel@roe.med.tum.de) Purpose: To **correlate** kinetic **parameters** ... relative variation of f over baseline at 2-month treatment was highly **correlated** with OS ... in liver metastases of UM under treatment with sorafenib, but a **correlation** to clinical ...

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... Metastasis undergoing Chemotherapy with use of Dual Energy CT Iodine Quantification ... 2012-2017 NIH R01 "Quantitative Measurements of Renal **Perfusion** and Oxygenation ... Committee, 1996 Northwest Regional Selection Committee 1996 **Connecticut** Selection Committee ...

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... is a function of both the therapeutic **parameters** (transducer frequency, beam intensity, heating duration) and the **characteristics** of the ... (1.3) **MR Signal** ... Sensitivity results show how dose delivery time changes with **perfusion** ratio, applied power ratio and initial temperature value. ...

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... References Arterial Calcifications in Thoracoabdominal Computer Tomography: Frequency, and **Correlation** with Risk ... Recommended sequence **parameters** are: TR = 23 ms, TE = 13 ms matrix 192 × 256 ... and the abdominal aorta including the bifurcation can be **assessed** in the ...

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作者: C Schraml - 2015 - 相关文章

2015年11月27日 - Keywords: **hepatocellular carcinoma**, **magnetic resonance** imaging, guidelines, ... **dual-energy computed tomography**, **volume perfusion** computed ... pattern of **HCC lesions**, being **characterized** by hyper-enhancement in the and water diffusivity with considerable **impact** on **signal characteristics** in DWI ...

Quantitative characterization of hepatocellular carcinoma and ...

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2013年12月11日 - Keywords: **Computed tomography perfusion**, **hepatocellular** ... imaging **features** on **computed tomography** (CT) and **magnetic resonance** ... A similar trend is now being extended for the diagnosis of malignant **lesions**, especially **HCC**, ... conditions including **assessment** of liver cirrhosis, **characterization** of ...

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perfusion CT (VPCT) and two different calculation methods, compare their results, look ... all **perfusion parameters** was calculated using intraclass **correlation** coefficients (ICC). ... Conclusion: VPCT can measure tumor **volume perfusion** non-invasively and ... particular MRI using sequence-dependent **signal characteristics**,.

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To **characterize hepatocellular carcinoma** (HCC) in terms of **perfusion parameters** using **volume perfusion CT** (VPCT) and two different ... Best **correlation** between calculation methods was achieved for ... Different other imaging techniques, in particular MRI using