

**Name of Journal:** *World Journal of Radiology*

**Manuscript NO:** 40424

**Manuscript Type:** EDITORIAL

**Could intravoxel incoherent motion diffusion-weighted MRI be feasible and beneficial to the evaluation of gastrointestinal tumors histopathology and the therapeutic response?**

Hou-Dong Zuo, Xiao-Ming Zhang

**Abstract**

Gastrointestinal tumors (GTs) are among the most common tumors of the digestive system and are among the leading causes of cancer death worldwide. Functional magnetic resonance imaging (MRI) is crucial for assessment of histopathological changes and therapeutic responses of GTs

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## Intravoxel incoherent motion diffusion-weighted MRI for predicting ...

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2017年12月24日 - Intravoxel incoherent motion diffusion-weighted MRI for predicting response to neoadjuvant chemotherapy in breast cancer. ... (3)Department of Pathology, College of Medicine, Seoul St. Mary's Hospital, ... CONCLUSION: D and ADC are useful for the prediction of response to NAC in breast cancer patients.

## Intravoxel incoherent motion diffusion weighted MRI of cervical cancer ...

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作者: Y Zhou - 2016 - 被引用次数: 12 - 相关文章

2016 Oct;34(8):1050-6. doi: 10.1016/j.mri.2016.04.009. Epub 2016 Apr 28. Intravoxel incoherent motion diffusion weighted MRI of cervical cancer ... 100191, China; Department of Pathology, Peking University Health Science Center, ... CONCLUSION: IVIM model could possibly be used to evaluate tumor differentiation and ...

## Intravoxel Incoherent Motion Diffusion-weighted Imaging: Evaluation ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5595232/> - 翻译此页

作者: M Luo - 2017 - 被引用次数: 1 - 相关文章

2017年9月8日 - PURPOSE: To evaluate whether intravoxel incoherent motion (IVIM)-related parameters could be used ... IVIM has attracted much attention and has been applied for various medical purposes, such as therapeutic response evaluation [5], ..... tumor type with diffusion-weighted magnetic resonance imaging: ...

## Intravoxel incoherent motion diffusion-weighted imaging for ... - Nature



Could intravoxel incoherent motion diffusion-weighted MRI be feasible and



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### Intravoxel incoherent motion diffusion-weighted imaging for ... - Nature

<https://www.nature.com/scientific-reports/articles> - 翻译此页

作者: W Lu - 2017 - 被引用次数: 1 - 相关文章

2017年8月17日 - Based on the bi-exponential model, **intravoxel incoherent motion** DWI ... However, to the best of our knowledge, the **feasibility** of IVIM-DWI in identifying ... The exclusion criteria were (1) prior anti-tumour therapy, (2) ..... their percentage changes, **might benefit** the **evaluation** of the **response** of LARC to nCRT.

### Intravoxel Incoherent Motion Diffusion-weighted Imaging: Evaluation ...

<https://www.sciencedirect.com/science/article/pii/S1936523317302358> - 翻译此页

作者: M Luo - 2017 - 被引用次数: 1 - 相关文章

PURPOSE: To **evaluate** whether **intravoxel incoherent motion** (IVIM)-related ... IVIM **diffusion-weighted imaging** (DWI) with 11 b values (0-800 s/mm<sup>2</sup>) was also ... such as **therapeutic response evaluation** [5], long-term outcome prediction [6], ... no liver nodule or **tumor** on CT or **MRI**; 2) the lesion diameter was less than 1 cm; ...

### Diffusion-Weighted MRI for Assessment of Early Cancer Treatment ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4003912/> - 翻译此页

作者: S Galbán - 2010 - 被引用次数: 28 - 相关文章

Thus, a biomarker which **could** be utilized to measure actual **tumor response** early ... that may provide **therapeutic benefit** without significantly reducing the **tumor** volume [4-6]. ..... CT **evaluation** of the **response** of **gastrointestinal** stromal **tumors** after ... of **diffusion** and perfusion in **intravoxel incoherent motion** MR imaging.

### Intravoxel incoherent motion diffusion-weighted magnetic resonance ...

<https://www.wjgnet.com/1007-9327/full/v24/i8/929.htm> - 翻译此页



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### Intravoxel incoherent motion diffusion-weighted MRI for predicting ...

<https://www.ncbi.nlm.nih.gov/pubmed/29278762> - 翻译此页

作者: Y Kim - 2017 - 相关文章

2017年12月24日 - Intravoxel incoherent motion diffusion-weighted MRI for predicting response to neoadjuvant chemotherapy in breast cancer. ... (3)Department of Pathology, College of Medicine, Seoul St. Mary's Hospital, ... CONCLUSION: D and ADC are useful for the prediction of response to NAC in breast cancer patients.

缺少字词: could feasible evaluation gastrointestinal therapeutic

### Intravoxel Incoherent Motion Diffusion-weighted Imaging: Evaluation ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5595232/> - 翻译此页

作者: M Luo - 2017 - 被引用次数: 1 - 相关文章

2017年9月8日 - PURPOSE: To evaluate whether intravoxel incoherent motion ... IVIM diffusion-weighted imaging (DWI) with 11 b values (0-800 s/mm<sup>2</sup>) was also acquired concurrently. ... The primary hepatic malignant tumors include hepatocellular ... various medical purposes, such as therapeutic response evaluation [5], ...

### Intravoxel incoherent motion diffusion-weighted imaging for ... - Nature

<https://www.nature.com/scientific-reports/articles> - 翻译此页

作者: W Lu - 2017 - 被引用次数: 4 - 相关文章

2017年8月17日 - In recent years, diffusion-weighted imaging (DWI), with its ability to ... helpful in predicting the response to nCRT in LARC5,6,7,8,9,10. ... Based on the bi-exponential model, intravoxel incoherent motion DWI (IVIM-DWI) can separately ... the feasibility of IVIM-DWI in identifying the tumour pathological ...