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Name of Journal: World Journal of Gastroenterology

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Retrospective Study

Quantitative diffusion-weighted magnetic resonance-enterography in ileal Crohn's disease: Systematic analysis of intra and interobserver reproducibility

Yu H *et al.* Reproducibility of quantitative DW-MRE in CD

Hao Yu, Ya-Qi Shen, Fang-Qin Tan, Zi-Ling Zhou, Zhen Li, Dao-Yu Hu, John N Morelli

Abstract

BACKGROUND

Magnetic resonance enterography (MRE) is increasingly attractive as a noninvasive and radiation-free tool for assessing Crohn's disease (CD). Diffusion weighted imaging (DWI) is recommended as an optional MRE sequence for CD by European Society of Gastrointestinal and Abdominal Radiology, and has shown superb potential as the quantitative modality for bowel inflammation evaluation. However, the measurement reproducibility of quantitative DWI analysis in MRE has not been ascertained so far. To facilitate the application of quantitative diffusion weighted MRE in the clinical routine, systematic investigations of the intra and interobserver reproducibility of DWI quantitative parameters should be performed.

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Google 学术: Quantitative diffusion-weighted MR-Enterography in ileal Crohn's disease: systematic analysis of intra and interobserver reproducibility

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... : comparison of CT enterography, MR enterography, ... - Lee - 被引用次数: 402

Diffusion-Weighted MR Enterography to Monitor Bowel Inflammation ...

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作者: J Huh - 2017 - 被引用次数: 16 - 相关文章

2017年1月5日 - The use of diffusion-weighted imaging (DWI) has recently been Multiple images were captured in each anatomical bowel segment (i.e., the terminal ileum , right colon the quantitative Δ ADC measurements using an intra-class correlation in Crohn's disease: a systematic review and meta-analysis.

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作者: N Rozendorn - 2018 - 被引用次数: 3 - 相关文章

2018年4月13日 - Keywords: Crohn's disease, magnetic resonance imaging, diffusion magnetic MRE axial T2-weighted image showing a terminal ileum (white arrow) with issue as they examined the reproducibility of the MaRIA and CDMI scores. Diffusion-weighted MR enterography for evaluating Crohn's disease: ...

MR Enterography for the Evaluation of Small-Bowel Inflammation in ...

<https://pubs.rsna.org/doi/full/10.1148/radiol.2015150809> - 翻译此页

作者: N Seo - 2015 - 被引用次数: 70 - 相关文章

2015年9月8日 - In 44 patients with Crohn disease, 171 small-bowel segments that were generally ... Diffusion-weighted imaging (DWI) has been recognized as a new imaging In the terminal ileum, the correlation between the MR enterography scores ... Intra- and interobserver reproducibility was determined by using ...

Abstract · Introduction · Materials and Methods · Results

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raphy performed with diffusion-weighted imaging (DWI) ... DWI and CE MR en- terography for the diagnosis of terminal ileal inflammation by ... raphy for the evaluation of inflammation in Crohn disease ... risk of nephrogenic systemic fibrosis, Intra- and Interobserver Reproducibility in the Evaluation of Small- Bowel.

Can MR Enterography and Diffusion-Weighted Imaging Predict ...

<https://www.jbsr.be/articles/10.5334/jbsr.1521/> 翻译此页

作者: L Soydan - 2019 - 相关文章

2019年1月18日 - Purpose: Monitoring Crohn's disease (CD) activity has a crucial ... Magnetic resonance enterography (MRE) and diffusion-weighted ... about CD activity with relatively high accuracy and reproducibility [4, 5, MR images of a patient with Crohn's disease involving distal ileum Inter-observer agreement.



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<https://academic.oup.com/ibdjournal/article/20/11/2179/4579007>

Jul 22, 2014 · **Diffusion-weighted magnetic resonance imaging for detecting and assessing ileal inflammation in Crohn's disease.**

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Author: Kathryn J. Fowler, Themistocles Dassopo...

Publish Year: 2014

Magnetic resonance enterography in inflammatory bowel disease

<https://www.appliedradiology.com/articles/magnetic-resonance-enterography-in...>

Kopylov U, Yung D, Vijayan S. Diagnostic yield of capsule endoscopy versus **magnetic resonance enterography** and small bowel contrast ultrasound in the evaluation of small bowel **Crohn's disease: Systemic review and meta-analysis.** Dig Liver Dis. 2017;49(8):854-863.

Comparison of contrast-enhanced and diffusion-weighted MRI ...

<https://link.springer.com/article/10.1007/s00261-018-1734-6>

Aug 14, 2018 · **Choi SH, Kim KW, Lee JY, Kim K-J, Park SH (2016) Diffusion-weighted magnetic resonance enterography for evaluating bowel inflammation in Crohn's disease: a systematic review and meta-analysis. Inflamm Bowel Dis 22:669–679.**

Author: Carl A. J. Puylaert, Jeroen A. W. Tielb...

Publish Year: 2019

MR Enterography for the Evaluation of Small-Bowel ...

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INTRODUCTION

MATERIALS AND METHODS

RESULTS

DISCU



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<https://www.appliedradiology.com/.../magnetic-resonance-enterography-in-i...> ▼ 翻译此页

作者: H Arif-Tiwari - 相关文章

2019年2月6日 - Inflammatory bowel disease (IBD) is a debilita. ... Despite these differences, magnetic resonance enterography (MRE) plays an important role Diffusion weighted imaging is also used to improve sensitivity for detecting the evaluation of small bowel Crohn's disease: Systemic review and meta-analysis.

A review of magnetic resonance enterography-based indices for ...

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作者: N Rozendorn - 2018 - 被引用次数: 3 - 相关文章

2018年4月13日 - Keywords: Crohn's disease, magnetic resonance imaging, diffusion magnetic MRE axial T2-weighted image showing a terminal ileum (white arrow) issue as they examined the reproducibility of the MaRIA and CDMI scores. ... a good interobserver variability of both indices (intraclass correlations (ICC) ...

Computed Tomography and Magnetic Resonance Enterography in ...

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作者: P Deepak - 2016 - 被引用次数: 18 - 相关文章

We also compare the currently developed MRE based scoring systems, their strengths ... Keywords: computed tomography, Crohn's disease, enterography, magnetic in the ileum (measured using simple endoscopic score for Crohn's disease of MR colonography (MRC) and diffusion weighted imaging (DWI) against a ...

Diagnostic accuracy of magnetic resonance enterography and small ...

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