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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 57306

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Motility index measured by MR enterography is associated with sex and mural thickness

Sven Mansson, Olle Ekberg, Bodil Ohlsson

Abstract

BACKGROUND

Recently, a technique has been developed to use magnetic resonance enterography

Motility index measured by MR enterography is associated with se



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Measuring disease activity in Crohn's disease: what is ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4035027>

May 20, 2014 · Another **MRI score** is the **Crohn's Disease MRI Index** (CDMI), which considers **mural thickness**, **mural T2 signal**, perimural T2 signal, and **mural T1 enhancement**. These features (scored from 0 to 3) have proved to be significantly correlated to a reference standard of transmural pathological activity grading in **surgical resection specimens**.

Cited by: 56

Author: Renata D'Incà, Roberta Caccaro

Publish Year: 2014

Magnetic resonance imaging biomarkers of gastrointestinal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644878>

Nov 15, 2015 · **Motility scores** were **associated** negatively with **disease activity score**[46,47], using a **multivariate analysis** based on **mural thickness**, **mural T2 signal**, perimural T2 signal and enhancement. Another finding of great interest is the demonstration that small **bowel motility** is not only impaired at the site of the **lesion** but also proximally[49 - 51].

Cited by: 9

Author: Asseel Khalaf, Caroline L Hoad, Robin C...

Publish Year: 2015

Intestinal Behçet Disease: Evaluation With MR Enterography ...

<https://www.ajronline.org/doi/full/10.2214/AJR.17.19174>

The following imaging findings were evaluated: intestinal wall **thickness** (≥ 3 mm was considered abnormal), pattern of wall thickening (smooth or polypoid), pattern of **mural** hyperenhancement (homogeneous or layered), degree of wall enhancement in enteric phase, scored as mild or marked, compared with enhancement of adjacent normal bowel, **mural** ...

Cited by: 3

Author: Elif Peker, Ayşe Erden, İlhan Erden, Nur...

Publish Year: 2018

Grading Crohn Disease Activity With MRI: Interobserver ...

<https://www.ajronline.org/doi/full/10.2214/AJR.12.10341>



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Quantified Terminal Ileal Motility during MR Enterography ...

<https://pubs.rsna.org/doi/10.1148/radiol.2018180100>

Introduction. MR **enterography** is increasingly implemented for the diagnosis and monitoring of Crohn disease ().In particular, MRI activity scores based on features such as wall **thickness**, T2 signal, ulceration, and contrast enhancement with gadolinium have been validated against a variety of reference standards including endoscopy, histologic analysis, and biochemical markers such as ...

Cited by: 10

Author: Alex Menys, Carl Puylaert, Charlotte E. T...

Publish Year: 2018

Magnetic resonance enterographic predictors of one-year ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4438711>

The development of new cross-sectional imaging techniques such as **magnetic resonance enterography** (MRE) has, in recent years, significantly improved the possibilities of assessing the activity of the small bowel in CD 5. One of the most important advantages of MRE is that it enables the visualization of the whole spectrum of inflammatory ...

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<https://pubs.rsna.org/doi/10.1148/radiol.2018180100>

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Cited by: 10

Author: Alex Menys, Carl Puylaert, Charlotte E. T...

Publish Year: 2018

[Current techniques and new perspectives research of magnetic ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4965351>

Jul 28, 2016 · Core tip: **Magnetic resonance enterography** is an effective imaging modality to diagnosis, evaluating and follow-up of Crohn's disease (CD) in pediatric patient and novel **magnetic resonance** imaging application, such as **motility** studies, spectroscopy, diffusion weighted imaging, molecular and hybrid imaging are extremely interesting and might contribute to diagnosis and ...

Cited by: 3

Author: Gabriele Masselli, Ilaria Mastroiacovo, E...

Publish Year: 2016

[Magnetic resonance enterographic predictors of one-year ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4438711>

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Cited by: 8

Author: Piotr Eder, Michal Michalak, Katarzyna K...

Publish Year: 2015

[\(PDF\) Magnetic resonance enterography: a narrative review](#)

<https://www.researchgate.net/publication/337545316...>

Magnetic resonance enterography (MRE) for assessment of small bowel ... **thickness**, high mural

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