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Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Liver fat accumulation measured by high-speed T2-corrected multi-echo magnetic resonance spectroscopy can predict the risk of cholelithiasis

Chen H *et al.* Predicting cholelithiasis using MRS

Hong Chen, Wei-Ke Zeng, Guang-Zi Shi, Ming Gao, Meng-Zhu Wang, Jun Shen

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Effect of Gd-EOB-DTPA on hepatic **fat** quantification using high-speed **T2-corrected multi-echo** acquisition in 1H **MR spectroscopy** Magnetic Resonance Imaging, Vol. 32, No. 7 Dietary Fructose Reduction Improves Markers of Cardiovascular Disease **Risk** in ...

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Measurement of Hepatic Lipid: High-Speed T2-Corrected ...

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We have developed a rapid breath-hold **MR** spectroscopic technique, high-speed **T2-corrected multiecho**, which acquires multiple echo times and allows more accurate quantification of ...

Cited by: 131**Author:** Nashieli Pineda, Puneet Sharma, Qin X...**Publish Year:** 2009

Validation of intimate correlation between visceral fat ...

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A single-voxel **MR spectroscopy** sequence with stimulated-echo acquisition mode (STEAM) implementing the high-speed **T2-corrected multi-echo** (HISTO) technique was used for 1 H MRS. A repetition time of 3000 ms. mixing time between the second and third radiofrequency pulses of 10



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Effect of Gd-EOB-DTPA on hepatic **fat** quantification using **high-speed T2-corrected multi-echo** acquisition in 1H MR **spectroscopy** **Magnetic Resonance** Imaging, Vol. 32, No. 7 Dietary Fructose Reduction Improves Markers of Cardiovascular Disease **Risk** in ...

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Author: Nashiely Pineda, Puneet Sharma, Qin X...

Publish Year: 2009

Multiparametric MR Index for the Diagnosis of Non ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7021895>

Recently, **high-speed T2-corrected multi-echo** (HISTO) MRS was introduced for **T2-corrected** hepatic **fat** measurement with a single breath hold 26, 27. In our study, MRS showed high mean AUC of 0.870 for grading steatosis in NAFLD patients. NAFLD ranges from simple steatosis to NASH, which **can** progress to cirrhosis and HCC.

Author: Jeong Woo Kim, Young Sun Lee, Yan... **Publish Year:** 2020

Multiparametric MR Index for the Diagnosis of Non ...

<https://www.nature.com/articles/s41598-020-59601-3>

Feb 14, 2020 · Recently, **high-speed T2-corrected multi-echo** (HISTO) MRS was introduced for **T2-corrected** hepatic **fat** measurement with a single breath hold 26,27. In our study, MRS showed high mean AUC of 0.870 ...

Author: Jeong Woo Kim, Young Sun Lee, Yan... **Publish Year:** 2020

Effect of Gd-EOB-DTPA on hepatic fat quantification using ...

https://www.researchgate.net/publication/262579143_Effect_of_Gd-EOB-DTPA_on_hepatic...

Effect of Gd-EOB-DTPA on hepatic **fat** quantification using **high-speed T2-corrected multi-echo** acquisition in H-1 MR **spectroscopy** Article in **Magnetic Resonance** Imaging 32(7) · ...



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Measurement of Hepatic Lipid: High-Speed T2-Corrected ...

<https://pubs.rsna.org/doi/10.1148/radiol.2523082084>

Effect of Gd-EOB-DTPA on hepatic **fat** quantification using **high-speed T2-corrected multi-echo** acquisition in 1H MR **spectroscopy Magnetic Resonance** Imaging, Vol. 32, No. 7 Dietary Fructose Reduction Improves Markers of Cardiovascular Disease **Risk** in ...

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Publish Year: 2009

Multiparametric MR Index for the Diagnosis of Non ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7021895>

An example of using the MR index to **predict** NASH. A 51-year-old man with clinically suspected NASH who underwent percutaneous **liver** biopsy and MR imaging. **Fat** fraction **measured** on MR **spectroscopy** was 11.3%, **liver** stiffness value **measured** on MR elastography was 3.13 kPa, and T1 relaxation time **measured** on T1 mapping was 877.2 msec.

Author: Jeong Woo Kim, Young Sun Lee, Yan... **Publish Year:** 2020

Fatty Liver Disease: MR Imaging Techniques for the ...

<https://pubs.rsna.org/doi/abs/10.1148/rg.291075123>

Jan 01, 2009 - Effect of Gd-EOB-DTPA on hepatic **fat** quantification using **high-speed T2-corrected multi-echo** acquisition in 1H MR **spectroscopy Magnetic Resonance** Imaging, Vol. 32, No. 7 EFFECT OF HELICOBACTER PYLORI ERADICATION ON HEPATIC STEATOSIS, NAFLD FIBROSIS SCORE AND HSENSI IN PATIENTS WITH NONALCOHOLIC STEATOHEPATITIS: a MR imaging-based pilot ...

Cited by: 276 **Author:** Fiona Hughes Cassidy, Takeshi Yokoo, L...

Publish Year: 2009

Magnetic resonance spectroscopy to measure hepatic ...

<https://journals.physiology.org/doi/10.1152/ajpendo.00064.2004>

nonalcoholic fatty **liver** disease (NAFLD) comprises a spectrum of conditions extending from simple hepatic steatosis (fatty infiltration of the **liver**) to end-stage **liver** disease (6, 7, 15, 28, 33).It represents a significant problem among patients referred for evaluation of abnormally elevated circulating levels of **liver** ...

Author: Lidia S. Szczepaniak, Pamela Nurenberg...