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Basic Study

Body mass index and its effects on liver fat content in overweight and obese young adults by proton magnetic resonance spectroscopy technique

Pasanta D *et al.* Liver fat content

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Abstract

AIM

To assess the association between liver fat content (LFC) and weight status in young adults using proton magnetic resonance spectroscopy (¹H MRS)

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EL Thomas, G Hamilton, N Patel, R O'dwyer, CJ Doré... - Gut, 2005 - gut.bmj.com

... There was a significant association between IHCL content and indices of overall ... aminotransferase; γ GT, γ glutamyl transferase; AT, adipose tissue; BMI, body mass index; CoV, coefficient of ... to determine the relationship between IHCL accumulation and whole body adipose tissue ...

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Fat accumulation in the liver is associated with defects in insulin suppression of glucose production and serum free fatty acids independent of obesity in normal men

A Seppälä-Lindroos, S Vehkavaara,... - The Journal of ..., 2002 - academic.oup.com

... We determined whether interindividual variation in hepatic insulin sensitivity could be attributed to variation in liver fat content (LFAT) independent of obesity ... The low and high LFAT groups were comparable with respect to age (44 ± 2 vs. 42 ± 2 yr), body mass index (25 ± 1 vs ...

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... of skeletal muscle triglyceride content by 1H nuclear magnetic resonance spectroscopy in lean and obese adolescents: relationships to insulin sensitivity,

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3.0 T proton magnetic resonance spectroscopy of the liver - NCBI

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作者: L Xu - 2013 - 被引用次数: 10 - [相关文章](#)

2013年3月7日 - METHODS: A total of 58 single-voxel proton spectra of the liver were acquired ... were acquired using the point resolved spectroscopy technique at a short ... data was used for comparisons of shimming, Cho/Lip2, and lipid content. ... Compared with the high-BMI group, the low-BMI group was younger (39.1 ...

Liver fat content determined by magnetic resonance imaging and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848364/> - [翻译此页](#)

作者: F Springer - 2010 - 被引用次数: 95 - [相关文章](#)

2010年4月7日 - Keywords: Hepatic steatosis, Magnetic resonance imaging, Proton magnetic resonance spectroscopy, Lipids ... Nevertheless, NAFLD can also be found in non-obese subjects with a body mass index within the normal range. Liver fat: effect of hepatic iron deposition on evaluation with opposed-phase ...

(1)H MRS assessment of hepatic steatosis in overweight children and ...

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作者: E Chabanova - 2013 - 被引用次数: 14 - [相关文章](#)

PURPOSE: In recent years, proton magnetic resonance spectroscopy (MRS) has emerged as a non-invasive technique for measurement of fat content in the liver. The technique is often applied for overweight and obese patients. ... years of age with a body mass index above the 97th percentile according to age and gender.

Accuracy of Liver Fat Quantification With Advanced CT, MRI, and ...

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1H MRS assessment of hepatic steatosis in overweight children...

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Comparison of magnetic resonance spectroscopy, proton density fat ...

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2016年10月21日 - To establish a threshold value for liver fat content between healthy children and ...

MRS is an accurate and precise method for detecting NAFLD in children. ... similar fat-storage between overweight children and adults, and the study ... obese children and adolescents [body mass index (BMI) above the 95th ...

Liver fat content determined by magnetic resonance imaging and ...

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2010年4月7日 - In this review, the most common, non-invasive MRS/MRI techniques for ... non-obese subjects with a body mass index within the normal range. ... in studies investigating NAFLD in the general adult population[25]. relaxation effects that affect quantification of the hepatic fat fraction in the IDEAL technique.

Evaluation of Liver Fat Content with Magnetic Resonance ...

www.ghrnet.org > Home > Vol 3, No 7 (2014) - [翻译此页](#)

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