Reviewer's report

Title: Novel equation to determine the hepatic triglyceride concentration in humans by MRI: diagnosis and monitoring of NAFLD in obese patients before and after bariatric surgery

Version: 2 Date: 21 July 2014

Reviewer: Joost P Drenth

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NOVEL EQUATION TO DETERMINE THE HEPATIC TRIGLYCERIDE CONCENTRATION IN HUMANS BY MRI: DIAGNOSIS AND MONITORIZATION OF NAFLD IN OBESE PATIENTS BEFORE AND AFTER BARIATRIC SURGERY by Jiménez-Agüero et al.

This is a revised version of this manuscript. I appreciate the efforts the authors have made in improving the style and content of the paper.

My review contained 2 major issues

The formal use of the “Statement STAndards for the Reporting of Diagnostic accuracy studies” is fine as it discusses the elements much more explicit.

The use of a gold standard for measurement of the hepatic fat content (Folch method). I thank the authors for addressing this issue and adding the reference.

I have one minor issue. The authors cite that

Please list multi-echo MRI in your methods. The methods now only mentions the MRI method.

In addition, the costs of MRI vary greatly depending on the health care system. The cited price (180 E) is perhaps the list price in Spain, but I am pretty sure that this will not get you a MRI in Germany, Belgium, Sweden, or UK.

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

If you can answer no to all of the above, write ### I declare that I have no competing interests ### below. If your reply is yes to any, please give details below.