Reviewer’s report

Title: 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

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Reviewer: Jimmy Bell

Reviewer’s report:

In this study the author proposed a new equation for the estimation of liver Tg in NFLD. This is a timely paper as it tackles a key issue with the assessment of liver fat by MRI/MRS. However, much of the other data that the authors present in this manuscript has been previously published by other groups. Indeed there is a vast literature based on MRI (and MRS most of which the author appear to completely ignore) showing the value of MR techniques to assess NFLD in vivo.

Major Compulsory revision:
The focus of the paper should be completely changed given that the key result is the MRI vs Folch comparison which has not previously appeared in the literature. The other results simply confirm the potential clinical value of this.

Quality of written English: Acceptable

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

Declaration of competing interests:
I declare that I have no competing interests