Reviewer's report

Title: Body composition variables as predictor of NAFLD in obese children and adolescents

Version: 1 Date: 12 September 2013

Reviewer: Piers Blackett

Reviewer's report:

The paper has practical use and warrants publication.

Major compulsory:
Title should contain "NAFLD by ultrasound"
Also state "by ultrasound" in the tables and "for diagnosis of NAFLD by ultrasound" in table 3.
2nd paragraph of background should state that liver biopsy is considered the gold standard and most specific followed by magnetic resonance imaging. Then make the argument that ultrasound is a practical and economic alternative (not "interesting").
The first paragraph should state that NAFLD was defined by ultrasound.
The authors need to comment on the epidemiology in Hispanic youth and whether this is comparable in their population.
At the end of the 4th paragraph comment that the waist and IAAT was higher in boys.
The comments in the 5th paragraph are incorrect. Race-specific waist percentiles have been published
Discretionary revisions:
L8. of 145
L13. ROC curves were used for prediction and sensitivity....
L17 ....."for" WC
L18. "show" for point out
L19. "an" anthropomorphic
L20. adolescents
Background
L1. results
L2 energy
L4 such as nonalcoholic..........delete comma after NAFLD
L7. adipocyte for cellular
L10 increase
L12 diagnose
Nonalcoholic Fatty Liver Disease
L2 were
Statistical analysis
L9 significance