Reviewer’s report

Title: Higher n3-fatty acid status is associated with lower risk of iron depletion among food insecure Canadian Inuit women

Version: 2 Date: 8 December 2012

Reviewer: Lisa Tussing-Humphreys

Reviewer’s report:

The article is much improved however a significant flaw remains. Authors can’t center their discussion on obesity, inflammation and iron deficiency when their results suggest that both, at risk % body fat and inflammation protect from iron deficiency. These findings are opposite of that reported in the literature. However, is this a result of the marine and LCPUFA intake? If so, authors should perform a analysis to assess this. Also check coding to be sure descending order was selected in the logistic modeling.

Specific comments:

Introduction:

Line 72. Reference original research articles reporting these outcomes and not a review paper. However, the review paper does include the references the authors need.

Delete lines 79-81 pertaining to men.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:

None to report