Author's response to reviews

Title: Fast food fever: reviewing the impacts of the Western diet on immunity

Authors:

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Author's response to reviews: see over
Dear Dr. Gabriel,

I am pleased to submit an edited version of "Fast food fever: reviewing the impacts of diet on immunity" (MS 2473784331236252) for consideration in your journal Nutrition Journal. I thank the reviewers for their commentary and have addressed their concerns as follows:

Reviewer 1:
This is a "delicious" paper. I have no hesitation in recommending it for publication.

Thank you for your warm comments and support. I hope other readers enjoy it as much as you did.

Reviewer 2:
1. Subheadings could be added to the Sugars Salt and Fats section to improve organization.

Thank you for pointing this out, you are correct that the flow is improved with these headings. This has been done. Furthermore, fats have subsections of saturated, omega-6, and omega-3.

2. Human Evidence could be divided into Case Studies, Cross-sectional Studies, Longitudinal Studies, and Randomized Controlled Trials or annotated to add this information to Table 1.

Thank you for your suggestion. I have annotated the Table to show the human trials that are cross-sectional (standard font), longitudinal (italic), and interventional (bold). Further breakdown became overly distracting and complex therefore I hope this basic structure works. I have noted this in the table legend. I included review
articles that dealt with human studies and annotated them by the content of the review (i.e., if the review included one longitudinal study I annotated it as longitudinal). I did not annotate the final column of review articles since some dealt strictly with mouse or in vitro data. I agree that this adds a lot of information to the table with relatively little change and will aide readers that wish to further investigate the studies directly.

I made only three other edits to note: I came across new information detailing the theoretic potential for calorie-less sweeteners to impact the gut microbiome. Since this work is limited in scope, I outline the findings but stress the limited information. I have added this section to now-lines 242-249. Additionally sweeteners have been added to Figure 2 but with the dashed-gray-arrow indicating debatable information limited to animal and in vitro data.

A one sentence further clarification was added to the omega-6 section now line 163.

A one sentence further clarification was added to the conclusions on now-line 549.

Thank you in advance for any further consideration, I am very exited about the opportunity to have this work published in your journal.

Ian A. Myles, MD