Author's response to reviews

Title: Association of plasma endotoxin, inflammatory cytokines and risk of colorectal adenomas.

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Author's response to reviews: see over
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Dr. Christina Chap  
Executive Editor  
BMC Cancer

Dear Dr. Christina Chap:

We thank the editors as well as the reviewers for the helpful comments on our manuscript titled “Association of plasma endotoxin, inflammatory cytokines and risk of colorectal adenomas”. We have revised the manuscript in response to the reviewers’ comments as detailed in the point by point response below. Newest changes in the manuscript are highlighted in green, and manuscript is included for reference.

The manuscript has not been previously published and is not under consideration elsewhere. All authors approved the final version of the manuscript.

Thank you for your consideration. We look forward to hearing your decision.

Sincerely,

Temitope Keku, Ph.D, AGAF  
Professor of Medicine  
Adjunct Professor of Nutrition
Reviewer 1
1) Please describe in the results section the association between fat consumption, tissue cytokines, and plasma endotoxin concentrations.

Results, page 12, line 240: We adjusted for dietary fat intake and revised the sentence to read, “Compared to subjects in low plasma endotoxin concentrations, those with higher concentrations were significantly more likely to have adenomas when adjusted for rectal mucosal cytokines and dietary fat (OR=1.4, CI 95% 1.0-2.1) (Table 2).”

Discussion, page 14, line 286: We revised the discussion to reflect the association between dietary fat, rectal mucosal cytokines and plasma endotoxin concentrations. “High dietary fat intake has been shown to increase endotoxemia [27], and in our study, positive relationship between adenoma status and endotoxemia was maintained even after adjusting for rectal mucosal cytokines and dietary fat.”