

May 15, 2020

**Re: Manuscript entitled “Attention Deficit Hyperactivity Disorder and Gastrointestinal Morbidity in a Large Cohort of Young Adults”**

Dear Editor,

We appreciate the thorough peer review of the above-referenced manuscript as well as the comments and questions offered by the reviewer. We are delighted the reviewer thought it is a well-written paper with valid and noteworthy take home messages, and thank you for giving us the opportunity to revise and resubmit it. In the revised draft, we have addressed all the reviewer's comments and questions as well as all comments from the science editor. Listed below are the reviewer's and science editor's comments, followed by our responses point by point.

<b>Reviewer's comments</b>	<b>Authors' response</b>
The authors cite a higher prevalence of psychiatric co-morbidities in patients with ADHD in the discussion. Could the authors comment on whether psychiatric co-morbidities were highly prevalent in their cohort of patients? Did the prevalence of mood disorders etc. vary in those with FGIDs?	We thank the reviewer for this comment. Unfortunately, since young adults with major psychiatric illnesses are not eligible for recruitment to the IDF, we were not able to study the association between FGID and major psychiatric comorbidities in our cohort. We do think that the stress related to serving in the army may contribute to the GI-associated comorbidity in young adults with ADHD and

	we added this response to the discussion section.
This may be relevant to the etiology/pathophysiology of FGIDs in ADHD and have therapeutic implications. FGIDs are now considered disorders of gut-brain interaction and centrally acting neuromodulators are amongst the mainstays of refractory FGIDs and may therefore have a role in treating those with ADHD - I think this could be included in the discussion.	We thank the reviewer for this important message. We have a paragraph in the discussion beginning with: "The association between ADHD and GI-related functional morbidity may affect clinical decisions". We have changed it to "... clinical decisions and treatment" and added this point to the end of this paragraph.
<b>Science editor's comments</b>	<b>Author's response</b>
The authors need to update the references.	We did a new literature search and added 3 relevant new references, 2 of them discussing a new paradigm of gut microbiota and ADHD, which was added to the discussion.
Language evaluation: Classification: Grade B. The authors provided a personal language certificate	We provided a certificate from the editorial board of our institution.
The authors need to fill out the STROBE checklist with page numbers	We added page numbers

I found the authors did not provide the original figures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor	The original figures arranged by PowerPoint were provided in the manuscript. I added the figures in the image files in case you would like to edit them and you could not do so in the manuscript.
I found the authors did not add the PMID and DOI in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. Please revise throughout	Revised and provided.
I found the authors did not write the “article highlight” section. Please write the “article highlights” section at the end of the main text	Thank you for this comment. We wrote this section and added it at the end of the main text.

Thank you for the opportunity to revise and resubmit our manuscript for publication in WJG. Should you have further questions or need additional information, please feel free to contact me by e-mail at [liorkatz5346@gmail.com](mailto:liorkatz5346@gmail.com).

Sincerely,

Lior H Katz, MD, MHA