

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 53714

**Title:** Refractory very early-onset inflammatory bowel disease associated with cytosolic isoleucyl-tRNA synthetase deficiency: A case report

**Reviewer's code:** 02854595

**Position:** Editorial Board

**Academic degree:** FRACP, MD

**Professional title:** Professor

**Reviewer's country:** United States

**Author's country:** United Kingdom

**Manuscript submission date:** 2020-01-06

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-01-07 16:07

**Reviewer performed review:** 2020-01-10 17:46

**Review time:** 3 Days and 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

This is a very interesting case report - presenting evidence that a deficiency in cytosolic ARS can lead to liver failure and early onset, unresponsive IBD. My comments: The paper is well written, the figures are illustrative and clear and overall it is very pleasant to read. 1. the fact that the patient was positive for a ARS mutation and negative for IBD associated genetic variants does not exclude that the patient could have sporadic IBD (though it is not likely). I would mention this somewhere in the discussion and mitigate a little the conclusions. 2. Throughout, the authors discuss "IBD" but never mention Crohn's or UC. Is it because pathology could not distinguish them? Have the authors tested the boy for small bowel disease? ANCA/ASCA? Family history of IBD? 3. It is unclear why the boy was included in the genome project. Because of the clinical suspicion? It should be mentioned. 4. It is also unclear why the authors tested those particular cytokines. At minimum I would comment on the results which are a bit puzzling since IL-10 should be lower and TNF should be higher than in controls (but a number of explanations are plausible of course).

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No

### ***BPG Search:***

- ☐ The same title



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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 53714

**Title:** Refractory very early-onset inflammatory bowel disease associated with cytosolic isoleucyl-tRNA synthetase deficiency: A case report

**Reviewer's code:** 00035982

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

**Reviewer's country:** Australia

**Author's country:** United Kingdom

**Manuscript submission date:** 2020-01-06

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-01-06 19:12

**Reviewer performed review:** 2020-01-17 17:52

**Review time:** 10 Days and 22 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

This MS focuses on a specific case of early onset gut inflammation and illustrates the functional aspects of the genetic cause in this case, expanding our understanding of potential monogenic causes of gut inflammation

**SPECIFIC COMMENTS**

1. The authors have variously used the terms early-onset IBD and very early-onset IBD. these should be consistent
2. In the case history section, several verbs are given in present tense (has and remains). These should be past tense (had and remained). Similar elsewhere
3. Abbreviations should be explained as per standard fashion (TNF for example)

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