# PEER-REVIEW REPORT

**Name of journal:** *Artificial Intelligence in Gastroenterology*

**Manuscript NO:** 74506

**Title:** Gastrointestinal Disorders in Children with Autism: Could Artificial Intelligence Help?

**Provenance and peer review**: Invited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 04025443

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor, Senior Researcher

**Reviewer's Country/Territory:** Russia

**Author's Country/Territory:** Egypt

**Manuscript submission date:** 2021-12-26

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-09 07:31

**Reviewer performed review:** 2022-01-09 13:26

**Review time:** 5 Hours

| | |
|---|---|
| **Scientific quality** | [　] Grade A: Excellent　[ Y] Grade B: Very good　[　] Grade C: Good<br>[　] Grade D: Fair　[　] Grade E: Do not publish |
| **Language quality** | [　] Grade A: Priority publishing　[ Y] Grade B: Minor language polishing<br>[　] Grade C: A great deal of language polishing　[　] Grade D: Rejection |
| **Conclusion** | [　] Accept (High priority)　[ Y] Accept (General priority)<br>[　] Minor revision　[　] Major revision　[　] Rejection |
| **Re-review** | [ Y] Yes　[　] No |

| **Peer-reviewer statements** | Peer-Review: [ Y] Anonymous    [    ] Onymous |
| | Conflicts-of-Interest: [    ] Yes    [ Y] No |

## SPECIFIC COMMENTS TO AUTHORS

Dear author! I read with pleasure and interest your paper entitled "Gastrointestinal Disorders in Children with Autism: Could Artificial Intelligence Help?". This rather a narrative review, than an Editorial. However, it is well-written, structured and comprehensive and reflects current state of artificial intelligence use in diagnosis and treatment of gastrointestinal manifestations in the mentioned group of patients. I see no major flaws. There are only some minor ones. Please, check the correctness of "IA" (instead of AI; page 11), "reboots" (instead of robots, probably; page 12), "GERS-related symptoms" (GER- or GERD-related, probably; page 13). These typos don't diminish the scientific quality of the paper. I suppose it would be interesting to the readers. Congratulations with the great job done!

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**Title:** Gastrointestinal Disorders in Children with Autism: Could Artificial Intelligence Help?

**Provenance and peer review**: Invited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05794122

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Consultant Physician-Scientist

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Egypt

**Manuscript submission date:** 2021-12-26

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-29 11:41

**Reviewer performed review:** 2022-02-01 15:01

**Review time:** 3 Days and 3 Hours

| | |
|---|---|
| **Scientific quality** | [ ] Grade A: Excellent   [ ] Grade B: Very good   [ ] Grade C: Good<br>[ Y] Grade D: Fair   [ ] Grade E: Do not publish |
| **Language quality** | [ Y] Grade A: Priority publishing   [ ] Grade B: Minor language polishing<br>[ ] Grade C: A great deal of language polishing   [ ] Grade D: Rejection |
| **Conclusion** | [ ] Accept (High priority)   [ ] Accept (General priority)<br>[ Y] Minor revision   [ ] Major revision   [ ] Rejection |
| **Re-review** | [ Y] Yes   [ ] No |

| **Peer-reviewer statements** | Peer-Review: [ Y] Anonymous   [   ] Onymous |
| --- | --- |
| | Conflicts-of-Interest: [   ] Yes   [ Y] No |

## SPECIFIC COMMENTS TO AUTHORS

It would be inspiring if Artificial intelligence (AI) could help diagnose and manage autism. It is challenging to "understand" the autistic child's behaviours. Therefore, the diagnosis of autism is subjective and personalized. Those are the challenges for AI in treating digestive diseases, especially in children with autism. The author described the benefits of AI in the treatments of autism and gastrointestinal disorders, respectively. It would be very nice if the authors focused on the benefits of AI technology on the specific link between autism and gastrointestinal disorders.