

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Pediatrics*

Manuscript NO: 81432

Title: Higher rates of autism and attention deficit/hyperactivity disorder in American children: Are food quality issues impacting epigenetic inheritance?

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06399140

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Reviewer_Country

Author's Country/Territory: United States

Manuscript submission date: 2022-11-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-01 05:42

Reviewer performed review: 2022-12-03 16:18

Review time: 2 Days and 10 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

This paper is reviewing a very important and increasing issue. The rise of autism and ADHD rates needs to be addressed and handled quickly to reduce the alarming prevalence of these two epidemics. The paper is well-organized and well-written.

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03199608

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Physician, Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

Authors reviewed that in the United States, children receiving special education services under the autism category increased 242% during the same period. The demand for special education services for children under the developmental delay and other health impaired categories increased by 184% and 83% respectively. Allowable heavy metal residues remain persistent in the American food supply due to food ingredient manufacturing processes. For example, food colors made from petroleum are expected to contain trace amounts of heavy metals. Dietary heavy metal exposures, especially inorganic mercury and lead may impact gene behavior across generations. Among etiology of autism and ADHD, an epigenetic perspective on heavy metal exposures and poor diet. Authors speculated that emerging transgenerational epigenetic inheritance patterns might explain increasing autism and ADHD. Authors called on Congress may act now to mandate the health warning label on foods containing allowable heavy metal residues.