



HHS Public Access

Author manuscript

Curr Environ Health Rep. Author manuscript; available in PMC 2023 July 11.

Published in final edited form as:

Curr Environ Health Rep. 2022 September ; 9(3): 513–515. doi:10.1007/s40572-022-00363-7.

Correction to: Prenatal Diet as a Modifier of Environmental Risk Factors for Autism and Related Neurodevelopmental Outcomes

Megan Bragg¹, Jorge E. Chavarro², Ghassan B. Hamra³, Jaime E. Hart^{4,5}, Loni Philip Tabb⁶, Marc G. Weisskopf⁵, Heather E. Volk⁷, Kristen Lyall^{1,6}

¹AJ Drexel Autism Institute, Drexel University, 3020 Market St, Philadelphia, PA 19104, USA

²Department of Nutrition, Harvard School of Public Health, Boston, MA, USA

³Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA

⁴Channing Division of Network Medicine, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

⁵Department of Environmental Health, Harvard T.H. Chan School of Public Health, Boston, MA, USA

⁶Department of Epidemiology and Biostatistics, Dornsife School of Public Health, Drexel University, 3020 Market St, Philadelphia, PA 19104, USA

⁷Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA

The originally published version of this article contained an error in reference numbering which the authors would like to correct. In Fig. 1 (“Key pathways that may link environmental exposures, nutrients, and neurodevelopmental outcomes”), the superscript numbers do not match corresponding citations in the reference list. Originally, these superscript numbers corresponded to footnotes which contained one or more references. For interested readers, the authors have compiled a reference list specific to Fig. 1. Where applicable, they have noted the corresponding number in the main manuscript reference list. The correct Figure 1 is shown on the next page.

The authors apologize for the inconvenience.

[✉]Kristen Lyall, kld98@drexel.edu.

The original article can be found online at <https://doi.org/10.1007/s40572-022-00347-7>.

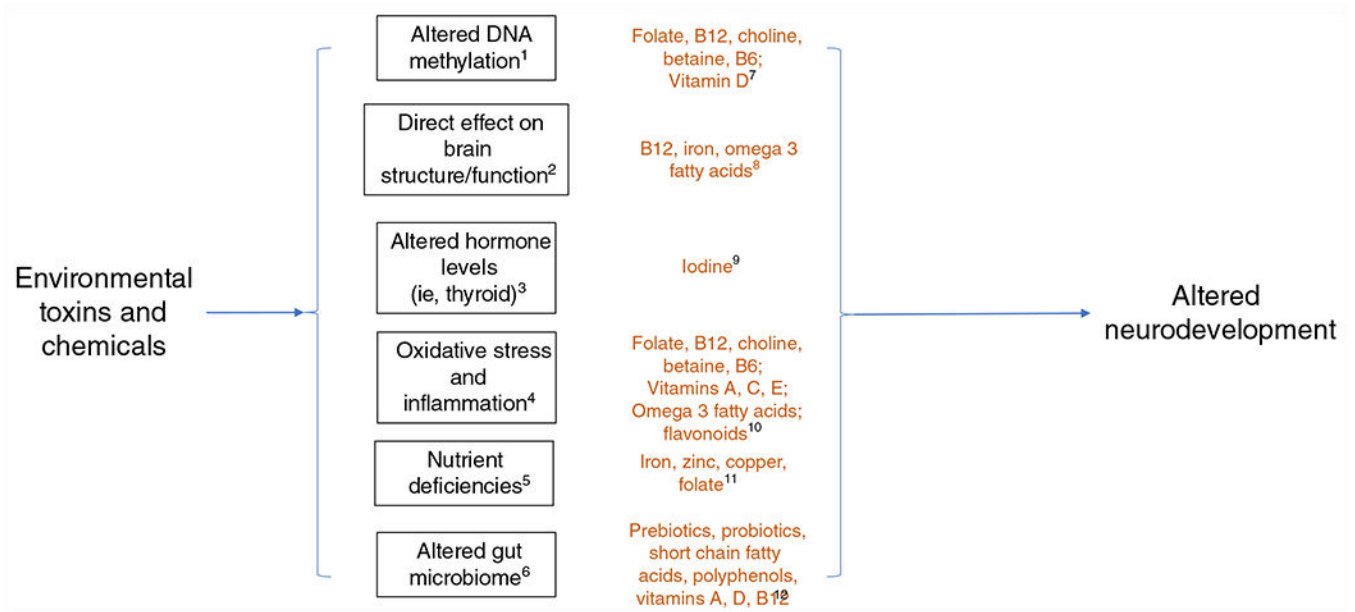


Fig. 1. Key pathways that may link environmental exposures, nutrients, and neurodevelopmental outcomes

Figure 1 footnote number	Reference	Manuscript body reference number, where available
1	Keil KP, Lein PJ. DNA methylation: a mechanism linking environmental chemical exposures to risk of autism spectrum disorders? <i>Environ Epigenet.</i> 2016;2:1–15.	19
2	Karri V, Schuhmacher M, Kumar V. Heavy metals (Pb, Cd, As and MeHg) as risk factors for cognitive dysfunction: A general review of metal mixture mechanism in brain. <i>Environ Toxicol Pharmacol.</i> 2016;48:203–213	
3	Ghassabian A and Trasande L. Disruption in thyroid signaling pathway: a mechanism for the effect of endocrine-disrupting chemicals on child neurodevelopment. <i>Front Endocrinol.</i> 2018;9.	18
4	Wei H, Feng Y, Liang F, et al. Role of oxidative stress and DNA hydroxymethylation in the neurotoxicity of fine particulate matter. <i>Toxicology.</i> 2017;380:94–103.	17
5	Nuttaall JR. The plausibility of maternal toxicant exposure and nutritional status as contributing factors to the risk of autism spectrum disorders. <i>Nutr Neurosci.</i> 2017;20:209–18.	69
6	Lombardi VC, De Meirreir KL, Subramanian K, et al. Nutritional modulation of the intestinal microbiota: future opportunities for the prevention and treatment of neuroimmune and neuroinflammatory disease. <i>J Nutr Biochem.</i> 2018;61:1–16.	67
7	Dolinoy DC, Huang D, Jirtle RL. Maternal nutrient supplementation counteracts bisphenol A-induced DNA hypomethylation in early development. <i>Proc Natl Acad Sci U S A.</i> 2007;104:13056–61.	41
7	Xue J, Schoenrock SA, Valdar W, Tarantino LM, Ideraabdullah FY. Maternal vitamin D depletion alters DNA methylation at imprinted loci in multiple generations. <i>Clin Epigenetics.</i> 2016;8:107.	53
8	Prado EL, Dewey KG. Nutrition and brain development in early life. <i>Nutr Rev.</i> 2014;72:267–284	
9	Chung HR. Iodine and thyroid function. <i>Ann Pediatr Endocrinol Metab.</i> 2014;19(1):8–12	
10	Wang T, Zhang T, Sun L, et al. Gestational B-vitamin supplementation alleviates PM2.5-induced autism-like behavior and hippocampal neurodevelopmental impairment in mice offspring. <i>Ecotoxicol Environ Saf.</i> 2019;185.	43
10	Wang R, Sun DG, Song G, et al. Choline, not folate, can attenuate the teratogenic effects of dibutyl phthalate (DBP) during early chick embryo development. <i>Environ Sci Pollut Res.</i> 2019;26:29763–79.	64
10	Tang J, Yuan Y, Wei C, et al. Neurobehavioral changes induced by di(2-ethylhexyl) phthalate and the protective effects of vitamin E in Kunming mice. <i>Toxicol Res.</i> 2015;4:1006–15.	66
10	Barthelemy J, Sanchez K, Miller MR, Khreis H. New opportunities to mitigate the burden of disease caused by traffic related air pollution: antioxidant-rich diets and supplements. <i>Int J Environ Res Public Health.</i> 2020;17.	22
10	Kajarabille N, Hurtado JA, Pena-Quintana L, et al. Omega-3 LCPUFA supplement: a nutritional strategy to prevent maternal and neonatal oxidative stress. <i>Matern Child Nutr.</i> 2017;13.	51
10	Spencer JP. Flavonoids and brain health: multiple effects underpinned by common mechanisms. <i>Genes Nutr.</i> 2009;4:243–50.	68
11	Nuttaall JR. The plausibility of maternal toxicant exposure and nutritional status as contributing factors to the risk of autism spectrum disorders. <i>Nutr Neurosci.</i> 2017;20:209–18.	69

Author Manuscript

Author Manuscript

Author Manuscript

Author Manuscript

Figure 1 footnote number	Reference	Manuscript body reference number, where available
12	Lombardi VC, De Meirneir KL, Subramanian K, et al. Nutritional modulation of the intestinal microbiota: future opportunities for the prevention and treatment of neuroimmune and neuroinflammatory disease. <i>J Nutr Biochem.</i> 2018;61:1–16.	67