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Perinatal choline influences brain structure and function

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#	Paper	IF	Citations
133	Choline supplementation following third-trimester-equivalent alcohol exposure attenuates behavioral alterations in rats. 2007 , 121, 120-30		137
132	Choline. 2007 ,		2
131	Homocysteine, cysteine, and related metabolites in maternal and fetal plasma in preeclampsia. 2007 , 62, 319-24		42
130	Prenatal choline availability modulates hippocampal neurogenesis and neurogenic responses to enriching experiences in adult female rats. 2007 , 25, 2473-82		83
129	Prenatal choline supplementation increases sensitivity to time by reducing non-scalar sources of variance in adult temporal processing. 2007 , 1186, 242-54		46
128	Micronutrient status, cognition and behavioral problems in childhood. 2008 , 47 Suppl 3, 38-50		102
127	Choline supplementation attenuates learning deficits associated with neonatal alcohol exposure in the rat: effects of varying the timing of choline administration. 2008 , 1237, 91-100		120
126	Neurodevelopmental effects of maternal nutritional status and exposure to methylmercury from eating fish during pregnancy. 2008 , 29, 767-75		156
125	Prenatal choline supplementation alters the timing, emotion, and memory performance (TEMP) of adult male and female rats as indexed by differential reinforcement of low-rate schedule behavior. 2008 , 15, 153-62		53
124	Dietary choline supplementation improves behavioral, histological, and neurochemical outcomes in a rat model of traumatic brain injury. 2008 , 25, 975-83		65
123	Developmental periods of choline sensitivity provide an ontogenetic mechanism for regulating memory capacity and age-related dementia. 2007 , 1, 7		89
122	Choline concentrations in human maternal and cord blood and intelligence at 5 y of age. 2008 , 87, 896-902		58
121	Prenatal choline supplementation mitigates the adverse effects of prenatal alcohol exposure on development in rats. 2009 , 31, 303-11		132
120	Choline: an essential nutrient for public health. <i>Nutrition Reviews</i> , 2009 , 67, 615-23	6.4	566
119	Human fetal brain chemistry as detected by proton magnetic resonance spectroscopy. 2009 , 40, 327-42		32
118	Oxidative damage: the biochemical mechanism of cellular injury and necrosis in choline deficiency. 2010 , 88, 143-9		39
117	Prenatal choline supplementation mitigates behavioral alterations associated with prenatal alcohol exposure in rats. 2010 , 88, 827-37		131

116	The influence of dietary status on the cognitive performance of children. 2010 , 54, 457-70	97
115	Dietary choline requirements of women: effects of estrogen and genetic variation. 2010 , 92, 1113-9	75
114	Methylmercury exposure and health effects from rice and fish consumption: a review. 2010 , 7, 2666-91	122
113	Cholinergic hypofunction in MeCP2-308 mice: beneficial neurobehavioural effects of neonatal choline supplementation. 2011 , 221, 623-9	47
112	The effects of dietary choline. 2011 , 27, 330-42	5
111	Elevating Awareness and Intake of Choline. 2011 , 46, 235-241	4
110	Vitamins and neural and cognitive developmental outcomes in children. 2012 , 71, 14-26	17
109	Choline supplementation and DNA methylation in the hippocampus and prefrontal cortex of rats exposed to alcohol during development. <i>Alcoholism: Clinical and Experimental Research</i> , 2012 , 36, 1701-9 ³⁻⁷	98
108	Glycerophosphocholine enhances growth hormone secretion and fat oxidation in young adults. 2012 , 28, 1122-6	27
107	Maternal intake of methyl-donor nutrients and child cognition at 3 years of age. 2012 , 26, 328-35	87
106	Choline supplementation mitigates trace, but not delay, eyeblink conditioning deficits in rats exposed to alcohol during development. 2012 , 22, 619-30	64
105	Choline supplementation in children with fetal alcohol spectrum disorders has high feasibility and tolerability. 2013 , 33, 897-904	46
104	Maternal choline supplementation improves spatial learning and adult hippocampal neurogenesis in the Ts65Dn mouse model of Down syndrome. 2013 , 58, 92-101	76
103	Maternal factors predicting cognitive and behavioral characteristics of children with fetal alcohol spectrum disorders. 2013 , 34, 314-25	41
102	A metabonomic approach to a unique detoxification effect of co-use of <i>Euphorbia kansui</i> and <i>Zizyphus jujuba</i> . 2013 , 27, 1621-8	10
101	Umbilical choline and related methylamines betaine and dimethylglycine in relation to birth weight. 2013 , 73, 783-7	25
100	Low fish intake is associated with low blood concentrations of vitamin D, choline and n-3 DHA in pregnant women. 2013 , 109, 936-43	13
99	Choline and Brain Development. 2013 , 265-278	

98	Metabolomic profile of umbilical cord blood plasma from early and late intrauterine growth restricted (IUGR) neonates with and without signs of brain vasodilation. 2013 , 8, e80121		48
97	Dietary cholesterol, heart disease risk and cognitive dissonance. 2014 , 73, 161-6		19
96	Maternal choline supplementation improves spatial mapping and increases basal forebrain cholinergic neuron number and size in aged Ts65Dn mice. 2014 , 70, 32-42		59
95	Functional differences between neurotransmitter binding sites of muscle acetylcholine receptors. 2014 , 111, 17660-5		17
94	Estimation of choline intake from 24 h dietary intake recalls and contribution of egg and milk consumption to intake among pregnant and lactating women in Alberta. 2014 , 112, 112-21		51
93	Choline supplementation protects against liver damage by normalizing cholesterol metabolism in Pemt/Ldlr knockout mice fed a high-fat diet. 2014 , 144, 252-7		35
92	IV. The cognitive implications of obesity and nutrition in childhood. 2014 , 79, 51-71		30
91	Live-cell vibrational imaging of choline metabolites by stimulated Raman scattering coupled with isotope-based metabolic labeling. 2014 , 139, 2312-7		54
90	Affinity of molecular ions for DNA structures is determined by solvent-accessible surface area. 2014 , 118, 9583-94		16
89	Eggs: the uncracked potential for improving maternal and young child nutrition among the world's poor. <i>Nutrition Reviews</i> , 2014 , 72, 355-68	6.4	105
88	Rapid LC-MRM-MS assay for simultaneous quantification of choline, betaine, trimethylamine, trimethylamine N-oxide, and creatinine in human plasma and urine. 2015 , 36, 2207-2214		42
87	The Fifty Year Rehabilitation of the Egg. <i>Nutrients</i> , 2015 , 7, 8716-22	6.7	36
86	Maternal Choline Supplementation: A Potential Prenatal Treatment for Down Syndrome and Alzheimer's Disease. 2016 , 13, 97-106		31
85	Effects of Maternal Choline Supplementation on the Septohippocampal Cholinergic System in the Ts65Dn Mouse Model of Down Syndrome. 2016 , 13, 84-96		19
84	Fetal Alcohol Spectrum Disorders: Effects and Mechanisms of Ethanol on the Developing Brain. 2015 , 45-65		
83	MTHFR deficiency or reduced intake of folate or choline in pregnant mice results in impaired short-term memory and increased apoptosis in the hippocampus of wild-type offspring. 2015 , 300, 1-9		63
82	Neuroprotective effect of oral choline administration after global brain ischemia in rats. 2015 , 18, 265-74		7
81	Early-life adversity programs emotional functions and the neuroendocrine stress system: the contribution of nutrition, metabolic hormones and epigenetic mechanisms. 2015 , 18, 328-42		46

80	Dietary Nutrient Intake in School-Aged Children With Heavy Prenatal Alcohol Exposure. <i>Alcoholism: Clinical and Experimental Research</i> , 2016 , 40, 1075-82	3.7	10
79	Modulatory Effects of Dietary Amino Acids on Neurodegenerative Diseases. 2016 , 12, 401-14		4
78	Choline and the Brain: An Epigenetic Perspective. 2016 , 12, 381-99		17
77	Choline supplementation alleviates fluoride-induced testicular toxicity by restoring the NGF and MEK expression in mice. 2016 , 310, 205-214		6
76	Perinatal Dietary Choline Deficiency in Sows Influences Concentrations of Choline Metabolites, Fatty Acids, and Amino Acids in Milk throughout Lactation. 2016 , 146, 2216-2223		16
75	Role of Choline in the Modulation of Degenerative Processes: In Vivo and In Vitro Studies. 2017 , 20, 223-234		3
74	Maternal choline supplementation in a mouse model of Down syndrome: Effects on attention and nucleus basalis/substantia innominata neuron morphology in adult offspring. 2017 , 340, 501-514		26
73	Combination Treatment with Orlistat-Containing Nanoparticles and Taxanes Is Synergistic and Enhances Microtubule Stability in Taxane-Resistant Prostate Cancer Cells. 2017 , 16, 1819-1830		25
72	Postnatal choline supplementation selectively attenuates hippocampal microRNA alterations associated with developmental alcohol exposure. 2017 , 60, 159-167		24
71	Betaine in the Brain: Characterization of Betaine Uptake, its Influence on Other Osmolytes and its Potential Role in Neuroprotection from Osmotic Stress. 2017 , 42, 3490-3503		31
70	Dietary choline levels modify the effects of prenatal alcohol exposure in rats. 2017 , 59, 43-52		32
69	A lipid-based nutrient: On the occasion of the spread of Choline from the American present conditions. 2017 , 26, 89-106		
68	Genome-nutrition divergence: evolving understanding of the malnutrition spectrum. <i>Nutrition Reviews</i> , 2017 , 75, 934-950	6.4	2
67	Choline and Brain Development. 2017 , 347-360		
66	Neonatal Ethanol and Choline Treatments Alter the Morphology of Developing Rat Hippocampal Pyramidal Neurons in Opposite Directions. 2018 , 374, 13-24		7
65	CA1 pyramidal neuron gene expression mosaics in the Ts65Dn murine model of Down syndrome and Alzheimer's disease following maternal choline supplementation. 2018 , 28, 251-268		15
64	Effect of supplementation with methyl-donor nutrients on neurodevelopment and cognition: considerations for future research. <i>Nutrition Reviews</i> , 2018 , 76, 497-511	6.4	12
63	Maternal Dietary Choline Status Influences Brain Gray and White Matter Development in Young Pigs. 2018 , 2, nzy015		9

62	The delaying effect of alpha-glycerophosphocholine on senescence, transthyretin deposition, and osteoarthritis in senescence-accelerated mouse prone 8 mice. 2018 , 82, 647-653		8
61	Development and validation of a quantitative choline food frequency questionnaire for use with drinking and non-drinking pregnant women in Cape Town, South Africa. 2018 , 17, 108		2
60	Concentrations of Water-Soluble Forms of Choline in Human Milk from Lactating Women in Canada and Cambodia. <i>Nutrients</i> , 2018 , 10,	6.7	10
59	Importance of polymorphic variants of phosphatidylethanolamine N-methyltransferase (PEMT) gene in the etiology of intrauterine fetal death in the Polish population. 2018 , 231, 43-47		0
58	Maternally Mediated Developmental Toxicity. 2018 , 86-99		
57	The potential of a simple egg to improve maternal and child nutrition. 2018 , 14 Suppl 3, e12678		16
56	Feasibility and Acceptability of Maternal Choline Supplementation in Heavy Drinking Pregnant Women: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. <i>Alcoholism: Clinical and Experimental Research</i> , 2018 , 42, 1315-1326	3.7	11
55	Efficacy of Maternal Choline Supplementation During Pregnancy in Mitigating Adverse Effects of Prenatal Alcohol Exposure on Growth and Cognitive Function: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. <i>Alcoholism: Clinical and Experimental Research</i> , 2018 , 42, 1327-1341	3.7	63
54	Developmental Neurotoxicity of Alcohol: Effects and Mechanisms of Ethanol on the Developing Brain. 2018 , 2, 115-144		2
53	Dietary Cholesterol and the Lack of Evidence in Cardiovascular Disease. <i>Nutrients</i> , 2018 , 10,	6.7	83
52	New ionic liquids based on systemic acquired resistance inducers combined with the phytotoxicity reducing cholinium cation. 2018 , 42, 11984-11990		15
51	Cholesterin [Baustein oder Risikofaktor?]. 2019 , 17, 10-16		
50	Daily Supplementation With Egg, Cow Milk, and Multiple Micronutrients Increases Linear Growth of Young Children with Short Stature. 2020 , 150, 394-403		2
49	Natural Choline from Egg Yolk Phospholipids Is More Efficiently Absorbed Compared with Choline Bitartrate; Outcomes of A Randomized Trial in Healthy Adults. <i>Nutrients</i> , 2019 , 11,	6.7	9
48	Differential metabolomics networks analysis of menopausal status. 2019 , 14, e0222353		7
47	Dietary Polar Lipids and Cognitive Development: A Narrative Review. 2019 , 10, 1163-1176		37
46	Nutritional characterization of sake cake (sake-kasu) after heat-drying and freeze-drying. 2019 , 83, 1477-1483		3
45	Neuroprotective Effects of Choline and Other Methyl Donors. <i>Nutrients</i> , 2019 , 11,	6.7	26

44	Variability of Water-Soluble Forms of Choline Concentrations in Human Milk during Storage, after Pasteurization, and among Women. <i>Nutrients</i> , 2019 , 11,	6.7	5
43	Metabolomics analysis of the hippocampus in a rat model of traumatic brain injury during the acute phase. 2020 , 10, e01520		13
42	The Structure, Function, and Physiology of the Fetal and Adult Acetylcholine Receptor in Muscle. 2020 , 13, 581097		11
41	The Mechanisms of Improving IVF Outcomes of Liu-Wei-Di-Huang Pill Acting on DOR Patients. 2020 , 2020, 5183017		2
40	The Relationship between Choline Bioavailability from Diet, Intestinal Microbiota Composition, and Its Modulation of Human Diseases. <i>Nutrients</i> , 2020 , 12,	6.7	25
39	All Children Thrive: Integration of Nutrition and Early Childhood Development. 2020 , 40, 375-406		4
38	Choline, Neurological Development and Brain Function: A Systematic Review Focusing on the First 1000 Days. <i>Nutrients</i> , 2020 , 12,	6.7	29
37	Four-year follow-up of a randomized controlled trial of choline for neurodevelopment in fetal alcohol spectrum disorder. 2020 , 12, 9		32
36	Early Child Development Outcomes of a Randomized Trial Providing 1 Egg Per Day to Children Age 6 to 15 Months in Malawi. 2020 , 150, 1933-1942		12
35	Examination of cortically projecting cholinergic neurons following exercise and environmental intervention in a rodent model of fetal alcohol spectrum disorders. 2021 , 113, 299-313		4
34	Study on impacts of direct supplementation of choline into semi-intensive fish culture system based on haematopoietic alterations. 2021 , 9, 100089		3
33	High-Throughput Analysis of Water-Soluble Forms of Choline and Related Metabolites in Human Milk by UPLC-MS/MS and Its Application. <i>Frontiers in Nutrition</i> , 2020 , 7, 604570	6.2	3
32	Traditional food taboos and practices during pregnancy, postpartum recovery, and infant care of Zulu women in northern KwaZulu-Natal. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2021 , 17, 15	3.9	2
31	Effects of ethanol-and choline-treated astrocytes on hippocampal neuron neurite outgrowth in vitro. <i>Science Progress</i> , 2021 , 104, 368504211018943	1.1	1
30	Vegetable biocholine supplementation in lambs during the feed transition period improves health and enhances weight gain. <i>Small Ruminant Research</i> , 2021 , 198, 106356	1.7	
29	Adiponectin Modulation by Genotype and Maternal Choline Supplementation in a Mouse Model of Down Syndrome and Alzheimer's Disease. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	0
28	Maternal choline supplementation mitigates alcohol exposure effects on neonatal brain volumes. <i>Alcoholism: Clinical and Experimental Research</i> , 2021 , 45, 1762-1774	3.7	7
27	Early Life Nutrition and Mental Health: The Role of DNA Methylation. <i>Nutrients</i> , 2021 , 13,	6.7	4

26	Genetic Factors Contributing to FASD. <i>Health Care and Disease Management</i> , 109-126		1
25	Magnetic Resonance Spectroscopy of the Fetal Brain. 2013 , 277-284		2
24	Impact of Egg Consumption in Development or Prevention of Heart Disease. 2012 , 179-198		1
23	BENEFICIAL IMPACTS OF CHOLINE IN ANIMAL AND HUMAN WITH SPECIAL REFERENCE TO ITS ROLE AGAINST FATTY LIVER SYNDROME. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 589-598	0.6	1
22	Cross-Interplay between Osmolytes and mTOR in Alzheimer's Disease Pathogenesis. <i>Current Pharmaceutical Design</i> , 2020 , 26, 4699-4711	3.3	2
21	[6]-5-Methyltetrahydrofolic Acid and Folic Acid Pregnancy Diets Differentially Program Metabolic Phenotype and Hypothalamic Gene Expression of Wistar Rat Dams Post-Birth. <i>Nutrients</i> , 2020 , 13,	6.7	0
20	Modified extrusion-spheronization as a technique of microencapsulation for stabilization of choline bitartrate using hydrogenated soya bean oil. <i>International Journal of Pharmaceutical Investigation</i> , 2015 , 5, 275-83	1.5	3
19	A 24-hour dietary recall for assessing the intake pattern of choline among Bangladeshi pregnant women at their third trimester of pregnancy. <i>Central Asian Journal of Global Health</i> , 2014 , 3, 72	0.8	2
18	Cholesterin Baustein oder Risikofaktor?. <i>Erfahrungsheilkunde</i> , 2021 , 70, 250-257	0.1	
17	Modulating neuronal plasticity with choline. <i>Neural Regeneration Research</i> , 2019 , 14, 1697-1698	4.5	1
16	Choline supplementation as an intervention for fetal alcohol spectrum disorders: A commentary. <i>Alcoholism: Clinical and Experimental Research</i> , 2021 ,	3.7	0
15	Pregnancy-induced alterations of 1-carbon metabolism and significance for maternal nutrition requirements.. <i>Nutrition Reviews</i> , 2022 ,	6.4	0
14	SAME, Choline, and Valproic Acid as Possible Epigenetic Drugs: Their Effects in Pregnancy with a Special Emphasis on Animal Studies.. <i>Pharmaceuticals</i> , 2022 , 15,	5.2	0
13	Prenatal and Postnatal Choline Supplementation in Fetal Alcohol Spectrum Disorder.. <i>Nutrients</i> , 2022 , 14,	6.7	3
12	Folate dose and form during pregnancy may program maternal and fetal health and disease risk.. <i>Nutrition Reviews</i> , 2022 ,	6.4	
11	Choline Chloride Induces Growth Performance of Indian Major Carps and Air-Breathing Fish Species with an Outcome of Quality Food-Fish under a Semi-Intensive Culture System: A Biochemical Investigation.. <i>ACS Omega</i> , 2022 , 7, 14579-14590	3.9	0
10	Literature review and future tasks necessary to establish of Korean Dietary Reference Intake for choline. <i>Journal of Nutrition and Health</i> , 2022 , 55, 211	0.8	1
9	Human iPSC-derived cerebral organoids model features of Leigh syndrome and reveal abnormal corticogenesis. <i>Development (Cambridge)</i> , 2022 , 149,	6.6	3

8	Choline Supplementation Modifies the Effects of Developmental Alcohol Exposure on Immune Responses in Adult Rats. <i>Nutrients</i> , 2022 , 14, 2868	6.7	2
7	Inadequate Choline Intake in Pregnant Women in Germany. 2022 , 14, 4862		○
6	Current Situation of Dietary Choline in Japan. 2022 , 68, S34-S36		○
5	Egg introduction during infancy is associated with lower fat mass index in females at early adolescence. 2022 ,		○
4	Long-term follow-up of a randomized controlled trial of choline for neurodevelopment in fetal alcohol spectrum disorder: corpus callosum white matter microstructure and neurocognitive outcomes. 2022 , 14,		○
3	Maternal Dietary Deficiencies in Folic Acid and Choline Result in Larger Damage Volume, Reduced Neuro-Degeneration and -Inflammation and Changes in Choline Metabolites after Ischemic Stroke in Middle-Aged Offspring. 2023 , 15, 1556		○
2	Choline Supplementation Alters Hippocampal Cytokine Levels in Adolescence and Adulthood in an Animal Model of Fetal Alcohol Spectrum Disorders. 2023 , 12, 546		○
1	Maternal dietary deficiencies in one-carbon metabolism during early neurodevelopment result in larger damage volume, reduced neurodegeneration and neuroinflammation and changes in choline metabolites after ischemic stroke in middle-aged offspring.		○