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Pre- and postnatal high fat feeding differentially affects the structure and integrity of the neurovascular unit of 16-month old male and female mice

Journal Item

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Supplemental Table 1 Diet Composition

	Control diet	High fat diet
Ingredients (%)		
Casein	21.5	26.51
Choline bitartrate	0.24	0.30
L-Cystine	0.32	0.40
Lard	0	18
Rice Starch	32.44	18.43
Cellulose	5	6.16
Soya oil	3.5	4.32
Sucrose	32.5	20.3
Mineral mix	3.5	4.3
Vitamin mix	1	1.2
Total	100%	100%
Fatty acids (%)		
C12:0 (lauric acid)	0.07	0.03
C14:0 (myristic acid)	0.12	0.29
C16:0 (palmitic acid)	0.22	4.04
C18:0 (stearic acid)	0.13	1.8
C14:1 (myristoleic acid)	0.01	0.02
C16:1 (palmitoleic acid)	0.07	0.03
C18:1 (oleic acid)	0.66	6.06
C18:2 (linoleic acid)	1.26	3.53
C18:3 (linolenic acid)	0.22	0.37
C20:4 (arachidonic acid)	0.01	0.01
C22:5 (clupanodonic acid)	0	0
Amino acids (%)		
Arginine	0.55	0.69
Lysine	1.11	1.37
Methionine	0.43	0.53
Cysteine	0.35	0.42
Tryptophan	0.16	0.19
Histidine	0.4	0.49
Threonine	0.61	0.75
Isoleucine	0.88	1.09
Leucine	1.33	1.64
Phenylalanine	0.73	0.9
Valine	1.06	1.3
Tyrosine	0.73	0.9
Taurine	0	0
Glycine	0.7	0.85
Aspartic acid	0.99	1.22
Glutamic acid	2.87	3.53
Proline	1.2	1.47
Serine	0.66	0.82

Alanine	0.56	0.69
Macro minerals (%)		
Calcium	0.46	0.59
Total Phosphorus	0.18	0.35
Sodium	0.12	0.15
Chloride	0.22	0.26
Potassium	0.46	0.42
Magnesium	0.06	0.08
Micro minerals		
Iron (mg/kg)	44.99	55.7
Copper (mg/kg)	6.67	8.22
Manganese (mg/kg)	10.13	12.22
Zinc (mg/kg)	54.63	64.67
Cobalt (µg/kg)	0	0
Iodine (µg/kg)	194.04	238.95
Selenium (µg/kg)	138.13	185.09
Vitamins		
Vitamin A (iu/kg)	3758.61	4628.65
Vitamin D (3) (iu/kg)	2151.81	2822.23
Vitamin E (iu/kg)	74.09	94.46
Vitamin B1 (mg/kg)	5.61	5.73
Vitamin B2 (mg/kg)	4.86	5.98
Vitamin B6 (mg/kg)	6.53	6.7
Vitamin B12 (µg/kg)	23.49	28.93
Vitamin C (mg/kg)	0	0
Vitamin K (mg/kg)	0.68	0.89
Folic acid (mg/kg)	1.88	2.22
Nicotinic acid (mg/kg)	27.91	34.37
Pantothenic acid (mg/kg)	13.74	17.33
Choline (mg/kg)	926.94	1248.4
Inositol (mg/kg)	0	0
Biotin (µg/kg)	187.93	231.43