

Dietary Omega-3 Fatty Acid Deficiency and Visual Loss in Infant Rhesus Monkeys

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Correction

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Correction

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Page 274, Table II legend is incorrect as printed and appears in its corrected form below.

Table II. Major Polyunsaturated Fatty Acids in Plasma Phospholipids of ω -3 Fatty Acid Deficient (D) and Control (C) Rhesus Monkeys

Fatty acid	Diet	Mothers				Infants				<i>P</i> , change with time within groups*§	<i>P</i> , difference between diet groups‡§
		Base line	At delivery	<i>P</i> , change with time within groups*	<i>P</i> , difference between diet groups‡	Birth	4 wk	8 wk	12 wk		
18:2 ω 6	D	25.7 \pm 0.7	27.9 \pm 1.1	NS	NS	16.9 \pm 1.4	26.6 \pm 2.1	30.1 \pm 1.5	32.7 \pm 1.1	<0.001	NS
	C	(26.7 \pm 0.7)	(25.0 \pm 1.1)	NS	NS	(17.7 \pm 1.3)	(30.3 \pm 1.4)	(30.6 \pm 2.2)	(34.7 \pm 0.9)	<0.001	
20:4 ω 6	D	6.3 \pm 0.5	7.0 \pm 1.0	NS	NS	16.6 \pm 2.4	12.3 \pm 1.3	10.9 \pm 0.9	10.3 \pm 0.6	<0.001	<0.005
	C	(5.9 \pm 0.5)	(4.9 \pm 1.0)	NS	NS	(13.4 \pm 1.1)	(9.1 \pm 1.3)	(8.4 \pm 0.7)	(7.0 \pm 0.4)	<0.002	
Total ω -6	D	34.6 \pm 1.3	46.6 \pm 2.2	<0.002	<0.02	46.3 \pm 4.2	48.6 \pm 2.4	48.0 \pm 0.9	49.3 \pm 0.6	NS	<0.005
	C	(35.0 \pm 0.8)	(36.8 \pm 2.1)	NS	NS	(38.5 \pm 1.8)	(44.0 \pm 0.9)	(42.9 \pm 1.9)	(45.9 \pm 0.8)	<0.01	
18:3 ω 3	D	0.10 \pm 0.00	0.05 \pm 0.03	NS	<0.001	0.00 \pm 0.00	0.01 \pm 0.01	0.00 \pm 0.00	0.01 \pm 0.01	NS	<0.001
	C	(0.16 \pm 0.03)	(0.60 \pm 0.10)	<0.005	<0.001	(0.26 \pm 0.13)	(0.34 \pm 0.02)	(0.36 \pm 0.03)	(0.43 \pm 0.04)	NS	
20:5 ω 3	D	0.85 \pm 0.10	0.00 \pm 0.00	<0.001	<0.05	0.00 \pm 0.00	0.01 \pm 0.01	0.03 \pm 0.02	0.04 \pm 0.02	NS	<0.001
	C	(0.87 \pm 0.10)	(0.33 \pm 0.08)	<0.005	<0.05	(0.27 \pm 0.05)	(0.50 \pm 0.11)	(0.39 \pm 0.05)	(0.50 \pm 0.04)	<0.05	
22:5 ω 3	D	0.97 \pm 0.13	0.30 \pm 0.13	<0.001	NS	0.28 \pm 0.10	0.23 \pm 0.13	0.15 \pm 0.06	0.18 \pm 0.04	NS	<0.001
	C	(1.03 \pm 0.12)	(0.96 \pm 0.27)	NS	NS	(0.96 \pm 0.16)	(1.56 \pm 0.35)	(1.53 \pm 0.19)	(1.37 \pm 0.15)	NS	
22:6 ω 3	D	4.29 \pm 0.52	1.34 \pm 0.34	<0.001	NS	2.28 \pm 0.41	0.73 \pm 0.26	0.23 \pm 0.03	0.14 \pm 0.02	<0.001	<0.001
	C	(4.60 \pm 0.90)	(1.50 \pm 0.33)	<0.02	NS	(5.40 \pm 0.95)	(3.47 \pm 0.79)	(2.67 \pm 0.18)	(2.35 \pm 0.20)	<0.01	
Total ω -3	D	6.26 \pm 0.71	1.76 \pm 0.45	<0.001	NS	2.57 \pm 0.47	1.00 \pm 0.35	0.48 \pm 0.11	0.43 \pm 0.06	<0.001	<0.001
	C	(6.81 \pm 1.13)	(3.86 \pm 0.65)	<0.05	NS	(7.01 \pm 1.28)	(6.09 \pm 1.17)	(5.11 \pm 0.34)	(4.85 \pm 0.36)	NS	

D, ω -3 fatty acid deficient group (safflower oil diets, $n = 7$); C (with values in parentheses), control group (soybean oil diets, $n = 8$). Values for each fatty acid represent weight percent of total fatty acids (mean \pm SEM). Total ω -6 includes *cis*-18:2 ω 6, 18:3 ω 6, 20:2 ω 6, 20:3 ω 6, 20:4 ω 6, 22:4 ω 6, 22:5 ω 6; total ω -3 includes *cis*-18:3 ω 3, 18:4 ω 3, 20:3 ω 3, 20:4 ω 3, 20:5 ω 3, 22:5 ω 3, 22:6 ω 3.

* Results of one-way analysis of variance with repeated measures; *P* value for significance of change across time within each diet group.

‡ Results of two-way analysis of variance with repeated measures; *P* value for significance of overall difference between diet groups.

§ A few infant samples were missing at some time points (6 out of 60 samples) due to illness, failure to obtain sufficient blood, or, in two cases at birth, due to vaginal deliveries before the planned caesarian deliveries. Missing values were estimated by multiple linear regression and degrees of freedom were reduced accordingly.