

	PLASMA PC				PBMCs			
	Healthy controls (n=30)		HPN patients (n=30)		Healthy controls (n=30)		HPN patients (n=30)	
Saturated fatty acids	43.1	(42.5 – 44.0)	42.7	(42.2 – 43.4)	45.7	(43.4 – 51.6)	46.4	(43.8 – 50.7)
Myristic acid (14:0)	0.3	(0.3 – 0.4)	0.2	(0.2 – 0.3) ^a	1.0	(0.8 – 1.2)	1.2	(0.9 – 1.4)
Palmitic acid (16:0)	29.3	(28.3 – 30.0)	29.8	(29.1 – 30.5)	23.5	(21.3 – 26.7)	21.7	(20.4 – 24.0) ^b
Stearic acid (18:0)	13.5	(12.9 – 13.8)	12.5	(11.4 – 13.5)	20.2	(18.8 – 22.5)	22.3	(20.8 – 24.7) ^b
Arachidic acid (20:0)	0.1	(0.1 – 0.1)	0.1	(0.1 – 0.1)	0.7	(0.6 – 0.9)	0.8	(0.6 – 1.0)
Behenic acid (22:0)	0.2	(0.1 – 0.2)	0.1	(0.1 – 0.2) ^b	0.4	(0.3 – 0.5)	0.5	(0.4 – 0.8) ^b
Unsaturated fatty acids								
n-3 fatty acids	5.2	(4.2 – 6.1)	4.5	(4.1 – 5.4)	3.5	(2.8 – 4.0)	4.5	(3.9 – 5.2)^a
α-linolenic acid (18:3n-3)	0.3	(0.2 – 0.3)	0.2	(0.2 – 0.2) ^a	0.5	(0.4 – 0.7)	1.0	(0.4 – 1.2)
Eicosatetraenoic acid (20:4n-3)	0.1	(0.1 – 0.2)	0.1	(0.1 – 0.1) ^b	0.1	(0.1 – 0.1)	0.2	(0.1 – 0.2) ^a
Eicosapentaenoic acid (20:5n-3)	0.9	(0.7 – 1.3)	0.8	(0.5 – 1.0)	0.2	(0.2 – 0.3)	0.4	(0.2 – 0.5) ^b
Docosapentaenoic acid (22:5n-3)	0.9	(0.8 – 1.1)	0.8	(0.6 – 1.0)	1.2	(0.8 – 1.4)	1.6	(1.2 – 1.9) ^b
Docosahexaenoic acid (22:6n-3)	2.9	(2.3 – 3.6)	2.8	(2.4 – 3.6)	1.4	(1.1 – 1.7)	1.6	(1.3 – 2.0)
n-6 fatty acids	38.3	(37.3 – 40.1)	32.1	(30.3 – 33.2)^a	22.6	(16.1 – 24.7)	26.8	(22.4 – 30.0)^b
Linoleic acid (18:2n-6)	24.7	(23.0 – 26.2)	17.2	(14.7 – 19.8) ^a	6.7	(5.7 – 8.1)	7.8	(6.5 – 9.3)
γ-linolenic acid (18:3n-6)	0.1	(0.1 – 0.2)	0.2	(0.1 – 0.2) ^a	0.1	(0.1 – 0.2)	0.3	(0.1 – 0.6)
Eicosadienoic acid (20:2n-6)	0.4	(0.3 – 0.4)	0.3	(0.2 – 0.4) ^b	0.7	(0.5 – 1.0)	1.3	(0.7 – 1.7) ^a
Dihomo-γ-linolenic acid (20:3n-6)	3.3	(2.9 – 3.8)	3.1	(2.4 – 3.7)	1.4	(1.1 – 1.8)	1.9	(1.4 – 2.2)
Arachidonic acid (20:4n-6)	9.1	(8.4 – 10.9)	10.8	(9.1 – 12.4)	13.4	(7.6 – 15.3)	14.4	(12.7 – 18.7)
Adrenic acid (22:4n-6)	0.01	(0.01 – 0.02)	0.02	(0.02 – 0.02)	0.02	(0.01 – 0.03)	0.02	(0.01 – 0.03)
n-7 fatty acids	2.0	(1.8 – 2.2)	3.0	(2.7 – 3.2)^a	3.0	(2.6 – 3.5)	2.6	(2.2 – 2.9)^b
Palmitoleic acid (16:1n-7)	0.6	(0.4 – 0.6)	0.7	(0.5 – 0.8) ^b	0.8	(0.7 – 1.1)	0.9	(0.6 – 1.3)
Cis-vaccenic acid (18:1n-7)	1.4	(1.4 – 1.6)	2.2	(1.9 – 2.5) ^a	2.1	(1.8 – 2.5)	1.7	(1.6 – 1.9) ^a
n-9 fatty acids	10.8	(10.2 – 11.9)	17.5	(15.6 – 19.2)^a	24.9	(22.5 – 27.1)	18.6	(17.6 – 20.3)^a
Oleic acid (18:1n-9)	10.5	(9.8 – 11.6)	17.1	(15.3 – 18.7) ^a	23.5	(21.5 – 25.6)	17.3	(16.0 – 19.2) ^a
Gondoic acid (20:1n-9)	0.2	(0.2 – 0.2)	0.2	(0.2 – 0.2)	0.9	(0.6 – 1.1)	0.8	(0.6 – 1.0)
Mead acid (20:3n-9)	0.1	(0.1 – 0.2)	0.2	(0.1 – 0.3) ^a	0.3	(0.2 – 0.3)	0.4	(0.2 – 0.9)