

**WEB TABLE 1** LEVELS ( $\mu\text{MOL/L}$ ) OF ACYLCARNITINES IN PATIENTS RECEIVING VALPROATE AND CONTROLS

	VPA treatment, <i>n</i> =299	Controls, <i>n</i> =299	<i>P</i> value
C0	23.86 (10.60)	36.37(9.37)	<0.001
C2	15.59 (5.78)	16.85(5.26)	0.01
C3	1.55 (0.70)	1.79 (0.64)	<0.01
C4	0.25 (0.14)	0.27 (0.10)	0.01
C5	0.10 (0.04)	0.17 (0.06)	<0.01
C5DC	0.05 (0.02)	0.04 (0.02)	>0.05
C6	0.09 (0.04)	0.09 (0.03)	>0.05
C8	0.10 (0.06)	0.12 (0.07)	<0.001
C10	0.13 (0.07)	0.17 (0.10)	<0.001
C14	0.12 (0.20)	0.11 (0.04)	>0.05
C14:1	0.21 (0.21)	0.19 (0.14)	>0.05
C16	0.72 (0.32)	1.08 (0.33)	<0.001
C16OH	0.09 (0.12)	0.08 (0.10)	>0.05
C18	0.31 (0.17)	0.62 (0.18)	<0.001
C18OH	0.25 (0.12)	0.15 (0.07)	<0.001
Sum of C2-C5DC	17.49(6.22)	19.12(5.56)	<0.001
Short chain acyl-car/ free carnitine	0.79 (0.23)	0.54 (0.13)	<0.001
Sum of C6-C10	0.32 (0.15)	0.39 (0.19)	<0.001
Medium chain acyl- car/free carnitine	0.01 (0.01)	0.01 (0.01)	>0.05
Sum of C14-C18 OH	1.69 (0.56)	2.23 (0.59)	<0.001
Long chain acyl-car/ free carnitine	0.08 (0.03)	0.06 (0.02)	<0.001

*C0: free carnitine; C2: acetylcarnitine; C3: propionylcarnitine; C4: butyryl- and isobutyrylcarnitine; C5:isovaleryl- and 2-methylbutyrylcarnitine; C5:1: tiglylcarnitine; C5DC: glutarylcarnitine; C6: hexanoylcarnitine; C8: octanoylcarnitine; C10: decanoylcarnitine; C14: myristoylcarnitine; C14:1: tetradecenoylcarnitine; C16: palmitoylcarnitine; C16OH: 3-hydroxypalmitoylcarnitine, C18: stearylcarnitine; C18OH: hydroxystearylcarnitine.*