

Supplementary Table S1. Univariate and multiple logistic regression analysis for hypocarnitinemia conducted by limiting the age group to children under 10 years old.

Classification	Case (n)	Total (n)	RR ^a (%)	Univariate analysis		Multivariate analysis	
				ROR (95%CI) ^b	<i>p</i> value	ROR (95%CI) ^b	<i>p</i> value
PCA user	217	909	0.239	904 (616-1327)	< 0.0001	983 (660-1465)	< 0.0001
Non-PCA user	31	89,403	0.000347	1 [reference]	-	1 [reference]	-
Female	136	39,182	0.00347	1.59 (1.24-2.04)	0.0003	1.35 (1.02-1.78)	0.0386
Male	112	51,018	0.00220	1 [reference]	-	1 [reference]	-
Concomitant use of VPA-YES	9	3,357	0.00268	0.98 (0.50-1.90)	0.9415	4.14 (1.81-9.42)	0.0007
Concomitant use of VPA-NO	239	86,955	0.00275	1 [reference]	-	1 [reference]	-

^a RR = [Case/Total] × 100 (%), ^b 95% wald CI. RR, reporting ratio; ROR, reporting odds ratio; 95%CI, 95% confidence interval; PCA, pivalate-conjugated β -lactam antibiotic; VPA, valproate.