

Supplementary Table 3. Multivariable logistic or linear regression for the association between metabolites and clinical parameters

Clinical parameters	Metabolites					
	Ascorbic acid	Citrate	D-glucurono-6,3-lactone	D-threo-isocitric acid	Hippurate	1,3,7-trimethyluric acid
Triggers	Odds ratio (Exp(B)) [95% CI], <i>p</i> values					
Bathing	0.999 [0.998-1.001] 0.448	1.000 [1.000-1.000] 0.386	1.015 [0.975-1.056] 0.467	1.000 [1.000-1.000] 0.69	0.999 [0.996-1.002] 0.399	1.004 [0.993-1.016] 0.467
Exertion	1.000 [0.998-1.002] 0.74	1.000 [1.000-1.000] 0.699	0.784 [0.551-1.116] 0.177	1.000 [1.000-1.000] 0.946	0.997 [0.992-1.002] 0.218	1.009 [0.992-10.26] 0.303
Cough	0.998 [0.989-1.006] 0.567	1.000 [1.000-1.000] 0.301	0.918 [0.661-1.276] 0.612	1.000 [1.000-1.000] 0.671	1.006 [0.998-1.014] 0.146	1.018 [0.989-1.046] 0.226
Defecation	0.999 [0.998-1.001] 0.538	1.000 [1.000-1.000] 0.674	0.970 [0.914-1.029] 0.313	1.000 [1.000-1.000] 0.967	0.998 [0.995-1.001] 0.221	1.002 [0.990-1.014] 0.769
Sex	1.001 [1.000-1.003] 0.085	1.000 [1.000-1.000] 0.905	1.009 [0.968-1.052] 0.676	1.000 [1.000-1.000] 0.661	0.999 [0.996-1.002] 0.471	0.997 [0.984-1.010] 0.643
Rage	1.000 [0.998-1.002] 0.658	1.000 [1.000-1.000] 0.972	0.962 [0.895-1.034] 0.293	1.000 [1.000-1.000] 0.973	1.003 [0.999-1.007] 0.101	1.006 [0.991-1.022] 0.448
Ischemic stroke	1.002 [0.999-1.005] 0.226	1.000 [1.000-1.000] 0.231	0.936 [0.716-1.225] 0.631	1.000 [0.999-1.000] 0.288	1.006 [0.999-1.014] 0.089	1.011 [0.976-1.047] 0.549
PRES	1.002 [0.999-1.004] 0.165	1.000 [1.000-1.000] 0.154	0.920 [0.677-1.250] 0.593	1.000 [1.000-1.000] 0.468	1.003 [0.998-1.009] 0.222	0.997 [0.969-1.025] 0.828
Hemodynamic indices	Unstandardized Coefficients (B) [95% CI], <i>p</i> values					
V _{MCA}	-0.014 [-0.054-0.026] 0.468	0.000 [-0.001-0.001] 0.754	-0.141 [-1.228-0.945] 0.793	-0.001 [-0.004-0.002] 0.347	0.016 [-0.070-0.102] 0.705	-0.107 [-0.430-0.216] 0.504
LI	-0.001 [-0.001-0] 0.064	-1.16E-05 [0-0] 0.113	0 [-0.018-0.017] 0.967	-1.01E-05 [0-0] 0.670	-0.001 [-0.002-0] 0.102	7.86E-07 [-0.005-0.005] 1.000
V _{ACA}	0.004 [-0.020- 0.028]	-9.31E-05 [-0.001-0.000] 0.999	-0.035 [-0.524 0.454]	0 [-0.002 0.002]	-0.031 [-0.071 0.009]	0.082 [-0.067 0.231]

	0.028]		0.455]	0.001]	0.009]	0.23]
	0.758	0.663	0.886	0.467	0.129	0.268
V _{PCA}	-0.004	5.95E-05	-0.098	0	0.006	-0.065
	[-0.023-0.014]	[0-0]	[-0.057-0.378]	[-0.002-0.001]	[-0.031-0.044]	[-0.220-0.090]
	0.621	0.771	0.678	0.601	0.727	0.400
V _{BA}	0.006	0	0.082	0	-0.005	0.043
	[-0.006-	[0-0]	[-0.240-	[-0.001-	[-0.028-	[-0.051-
	0.018]		0.405]	0.001]	0.019]	0.137]
	0.333	0.334	0.609	0.5	0.689	0.358

PRES: posterior reversible encephalopathy syndrome; LI: Lindegaard index