

**Supplementary Table 4. Comparison of urine metabolite concentration between RCVS patients with or without migraine**

Metabolites, mean $\pm$ SD ( $\mu\text{g/dL}$ )	RCVS with migraine		<i>p</i> value
	(N = 12)	(N = 45)	
Ascorbic acid	563.4 $\pm$ 550.5	440.3 $\pm$ 446.8	0.447
Citrate	21842.0 $\pm$ 19937.9	25700.8 $\pm$ 19894.3	0.573
D-glucurono-6,3-lactone	7.4 $\pm$ 15.9	9.8 $\pm$ 15.3	0.644
D-threo-isocitric acid	5997.9 $\pm$ 6119.5	6496.2 $\pm$ 6063.6	0.811
Hippurate	292.0 $\pm$ 269.2	281.7 $\pm$ 211.8	0.894
1,3,7-trimethyluric acid	90.4 $\pm$ 64.2	72.5 $\pm$ 48.3	0.317