

Supplementary Table 1

Dose	Weight	Duration (hr) of concentration over 40 mg/L Mean (SD) [range], proportion of subjects	Duration (hr) of concentration over 80 mg/L Mean (SD) [range], proportion of subjects
100 mg every 2 hr, 4 times	20 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	45 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	70 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	95 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
250 mg every 2 hr, 4 times	20 kg	2.45 (2.89) [0.00-15.40], 65%	0.01 (0.11) [0.00-2.30], 1%
	45 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	70 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	95 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
400 mg every 2 hr, 4 times	20 kg	8.13 (4.45) [0.00-26.50], 98%	0.81 (1.93) [0.00-14.70], 28%
	45 kg	0.44 (1.41) [0.00-12.60], 16%	0.00 (0.00) [0.00-0.00], 0%
	70 kg	0.01 (0.18) [0.00-4.00], 0%	0.00 (0.00) [0.00-0.00], 0%
	95 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%
550 mg every 2 hr, 4 times	20 kg	11.79 (4.62) [1.20-32.40], 100%	3.30 (3.54) [0.00-19.20], 73%
	45 kg	2.46 (3.12) [0.00-15.70], 60%	0.01 (0.15) [0.00-2.70], 1%
	70 kg	0.15 (0.66) [0.00-8.10], 9%	0.00 (0.00) [0.00-0.00], 0%
	95 kg	0.00 (0.00) [0.00-0.00], 0%	0.00 (0.00) [0.00-0.00], 0%

A descriptive summary on the duration (hour) of plasma caffeine concentration over certain levels (40 mg/L or 80 mg/L) previously known to cause serious toxicity. Values were generated by `caffOverdose` function for 500 subjects per each body weight group. (Abbreviations: SD, standard deviation)