

Supplemental Digital Content 1: Changes in Vitamin B₁₂, Folate, and Homocysteine

			Baseline	End of Surgery	Postop. Day 1	Postop. Day 2	Postop. Day 3
B-Vitamins plus Nitrous Oxide (n = 250)	vitamin B ₁₂	pg/mL	415 (317 – 581)		3,629 (1,862 – 7,530)		
	folate	ng/mL	16.1 (12.1 – 23.7)		32.6 (20.0 – 76.7)		
	tHcy	μmol/L	13.5 ± 5.7	14.8 ± 5.5	12.7 ± 5.6	13.3 ± 5.8	11.9 ± 3.8
Nitrous Oxide plus Placebo (n = 250)	vitamin B ₁₂	pg/mL	405 (300 – 564)		336 (240 – 472)		
	folate	ng/mL	16.5 (13.2 – 25.4)		16.1 (12.5 – 24.5)		
	tHcy	μmol/L	13.4 ± 5.8	14.7 ± 6.2	14.7 ± 7.1	16.1 ± 6.4**	14.8 ± 6.3
No Nitrous Oxide (n = 125)	vitamin B ₁₂	pg/mL	373 (286 – 580)		364 (270 – 530)		
	folate	ng/mL	16.2 (11.7 – 29.7)		14.8 (9.5 – 22.3)		
	tHcy	μmol/L	11.6 ± 4.2	10.0 ± 4.3	8.5 ± 3.6	9.6 ± 3.3	10.6 ± 3.8

Results are either in means ± SD or in medians plus interquartile range (in brackets).