Supplementary 1. Change of micronutrient intake per day for each postoperative period after gastrectomy (N=288)

Variable	Baseline	1 month	3 months	6 months	p-value
Iron (mg)	12.42 ± 4.11	8.38 ± 3.34	8.90 ± 2.85	11.23 ± 4.32	0.014 a, b, d
Sodium (mg)	$3,867.3 \pm 1,750.3$	2,911.2 ± 1,421.2	$3,106.4 \pm 928.6$	$3,937.5 \pm 1,757.4$	0.593
Potassium (mg)	$2,439.7 \pm 789.3$	$1,671.9 \pm 674.6$	1,971.9 ± 552.4	$2,270.6 \pm 854.8$	0.005 a
Zinc (mg)	7.40 ± 2.75	4.99 ± 2.32	6.78 ± 2.07	6.51 ± 2.93	<0.001 ac
Vitamin A (mg RAE)	853.8 ± 531.0	668.2 ± 366.7	693.2 ± 214.7	782.9 ± 502.6	0.379
Vitamin B ₁ (mg)	1.20 ± 0.60	0.90 ± 0.53	0.92 ± 0.22	1.01 ± 0.41	0.002 a, b
Vitamin B ₂ (mg)	1.11 ± 0.64	0.82 ± 0.41	0.83 ± 0.44	0.92 ± 0.55	0.561
Vitamin B ₆ (mg)	1.81 ± 0.73	1.20 ± 0.65	1.28 ± 0.45	1.61 ± 0.70	<0.001 a, b, d
Niacin (mg NE)	15.22 ± 6.90	12.9 ± 4.90	13.10 ± 4.46	14.32 ± 5.14	0.248
Vitamin C (mg)	118.32 ± 83.43	66.37 ± 60.0	82.38 ± 25.31	112.44 ± 55.10	<0.001 a, b, d
Folic acid (mg)	258.4 ± 124.9	180.30 ± 82.94	178.42 ± 56.50	199.97 ± 113.65	0.751
Vitamin E (mg α -TE)	11.14 ± 7.25	8.94 ± 4.72	9.87 ± 5.61	10.06 ± 6.24	0.694

The micronutrient factors of the subjects were summarized in terms of mean and standard deviation for continuous variables.

Supplementary 2. Change of micronutrient intake per day for each postoperative period after gastrectomy in males (N=165)

Variable	DRI	Baseline	1 month	3 months	6 months	p-value
Iron (mg)	10 1)	12.13 ± 3.62	8.81 ± 2.16	8.92 ± 2.87	11.25 ± 3.19	0.014 a, b, d
Sodium (mg)	1500 ²⁾	$3,928.6 \pm 1,428.0$	$2,953.3 \pm 1,456.8$	$3,110.2 \pm 736.5$	$3,940.4 \pm 1,468.2$	0.426
Potassium (mg)	3500 2)	$2,619.3 \pm 716.8$	$1,692.4 \pm 582.7$	$1,980.4 \pm 590.8$	$2,270.6 \pm 841.7$	0.005 a
Zinc (mg)	9 1)	7.31 ± 1.96	5.10 ± 2.28	6.81 ± 2.10	6.78 ± 2.75	<0.001 a c
Vitamin A (mg RAE)	750 1)	861.9 ± 522.8	671.3 ± 356.4	695.6 ± 218.5	780.5 ± 481.5	0.368
Vitamin B ₁ (mg)	1.2 1)	1.21 ± 0.45	0.91 ± 0.54	0.92 ± 0.18	1.02 ± 0.28	0.006 a, b
Vitamin B ₂ (mg)	1.5 1)	1.13 ± 0.71	0.83 ± 0.36	0.84 ± 0.50	0.91 ± 0.56	0.509
Vitamin B ₆ (mg)	1.5 1)	1.84 ± 0.59	1.21 ± 0.66	1.27 ± 0.51	1.64 ± 0.42	<0.001 a, b, d
Niacin (mg NE)	16 1)	15.49 ± 4.81	12.89 ± 5.01	13.14 ± 5.02	14.03 ± 4.69	0.446
Vitamin C (mg)	100 1)	119.20 ± 68.17	69.53 ± 58.7	80.51 ± 26.46	110.37 ± 60.25	0.002 a, b, d
Folic acid (mg)	400 1)	260.5 ± 120.4	185.24 ± 79.68	180.30 ± 44.28	198.56 ± 107.28	0.760
Vitamin E (mg α -TE)	12 ²⁾	11.25 ± 6.83	8.95 ± 3.91	9.86 ± 5.45	10.11 ± 5.94	0.581

The micronutrient factors of the subjects were summarized in terms of mean and standard deviation for continuous variables.

DRI, Dietary Reference Intakes for Koreans 2015.

^a there exists the significant difference between baseline and one month.

^b there exists the significant difference between baseline and three months.

^c there exists the significant difference between one months and three months.

d there exists the significant difference between one months and six months.

¹⁾ RNI, recommended nutrient intake; 2) AI, adequate intake.

^a there exists the significant difference between baseline and one month.

^b there exists the significant difference between baseline and three months.

^c there exists the significant difference between one months and three months.

^d there exists the significant difference between one months and six months.

Supplementary 3. Change of micronutrient intake per day for each postoperative period after gastrectomy in females (N=123)

Variable	DRI	Baseline	1 month	3 months	6 months	p-value
Iron (mg)	8 1)	11.39 ± 5.02	7.92 ± 3.34	8.82 ± 2.79	10.95 ± 3.28	0.004 a, d
Sodium (mg)	1500 ²⁾	$3,867.3 \pm 1,750.3$	2,911.2 ± 1,421.2	$3,101.2 \pm 936.1$	$3,926.4 \pm 1,824.6$	0.272
Potassium (mg)	3500 ²⁾	$2,339.4 \pm 716.8$	$1,650.3 \pm 701.5$	$1,968.4 \pm 562.0$	$2,271.4 \pm 624.5$	0.005 a
Zinc (mg)	7 1)	7.41 ± 3.15	4.68 ± 2.40	6.70 ± 3.05	6.50 ± 2.90	0.004 a c
Vitamin A (mg RAE)	600 1)	848.7 ± 628.1	680.4 ± 391.5	691.0 ± 208.6	785.9 ± 460.7	0.470
Vitamin B ₁ (mg)	1.2 1)	1.19 ± 0.58	0.90 ± 0.53	0.94 ± 0.34	1.10 ± 0.25	0.002 a
Vitamin B ₂ (mg)	1.2 1)	1.10 ± 0.71	0.84 ± 0.45	0.85 ± 0.48	0.93 ± 0.56	0.631
Vitamin B ₆ (mg)	1.4 1)	1.79 ± 0.52	1.19 ± 0.70	1.30 ± 0.29	1.58 ± 0.43	<0.001 a, b, d
Niacin (mg NE)	14 1)	15.01 ± 5.22	12.91 ± 5.16	13.95 ± 2.68	14.31 ± 4.60	0.318
Vitamin C (mg)	100 1)	117.25 ± 80.19	65.24 ± 71.2	85.61 ± 24.20	113.50 ± 46.97	<0.001 a, b
Folic acid (mg)	400 1)	259.30 ± 120.8	178.61 ± 80.91	179.25 ± 63.48	200.37 ± 116.58	0.529
Vitamin E (mg α -TE)	12 ²⁾	11.02 ± 5.64	8.93 ± 5.18	9.92 ± 4.82	10.03 ± 6.61	0.423

The micronutrient factors of the subjects were summarized in terms of mean and standard deviation for continuous variables.

DRI, Dietary Reference Intakes for Koreans 2015.

- ¹⁾ RNI, recommended nutrient intake; ²⁾ AI, adequate intake.
- ^a there exists the significant difference between baseline and one month.
- ^b there exists the significant difference between baseline and three months.
- ^c there exists the significant difference between one months and three months.
- d there exists the significant difference between one months and six months.