

**Table 4. UKPDS Ten-year Cardiovascular Risk Predictions before and at One Year after Metabolic Surgery in T2DM Patients**

Cardiovascular risks	GB (n = 16)	SG (n = 16)	P Value <sup>a</sup>
CHD_pre (%)	10.5 ± 6.8	12.7 ± 6.3	0.214
CHD_post (%)	4.5 ± 3.2***	8.6 ± 6.3*	0.010
Absolute risk reduction of CHD (%) (95% CI)	6.0 (3.6 – 8.3)	4.1 (1.0 – 7.2)	0.497
Relative risk reduction of CHD (%)	52.7	30.2	0.046
Fatal CHD_pre (%)	5.8 ± 4.6	7.5 ± 5.2	0.258
Fatal CHD_post (%)	1.9 ± 2.1***	4.5 ± 4.4*	0.014
Absolute risk reduction of Fatal CHD (%) (95% CI)	3.9 (2.2 – 5.5)	3.0 (0.7 – 5.4)	0.559
Relative risk reduction of Fatal CHD (%)	64.0	38.6	0.023
Stroke_pre (%)	2.4 ± 2.8	2.4 ± 1.5	0.299
Stroke_post (%)	2.2 ± 2.5*	2.4 ± 1.5	0.213
Absolute risk reduction of stroke (%) (95% CI)	0.2 (0.03 – 0.4)	0 (-0.3 – 0.2)	0.170
Relative risk reduction of stroke (%)	8.2	0	0.144
Fatal stroke_pre (%)	0.3 ± 0.4	0.3 ± 0.2	0.386
Fatal stroke_post (%)	0.3 ± 0.3	0.3 ± 0.2	0.374
Absolute risk reduction of fatal stroke (%) (95% CI)	0 (-0.05 – 0.08)	0 (-0.02 – 0.08)	0.778
Relative risk reduction of fatal stroke (%)	10.0	2.5	0.659

CHD, coronary heart disease; CI, confidence interval; GB, gastric bypass; Pre, pre-operative; Post, post-operative; SG, sleeve gastrectomy; T2DM, type 2 diabetes mellitus; UKPDS, United Kingdom Prospective Diabetes Study.

<sup>a</sup> Between the GB and SG group.

\* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ , compared to pre-operative condition.