

Table S1. Patient's characteristics pre-surgery and post-surgery depicted by surgery type

	Sleeve Gastrectomy		Gastric Bypass		Gastric Banding		p-value*	p-value**
	pre-surgery	post-surgery	pre-surgery	post-surgery	pre-surgery	post-surgery		
Age, years	42 (36,45)	44 (38, 47)	39 (34, 46)	41 (35, 48)	40 (36, 47)	42 (38, 46)	0.542	
Weight, kg	131 (120,157)	90 (80, 109)	128 (115, 142)	84 (72, 95)	124 (113, 134)	96 (85, 114)	0.015	<0.001
BMI, kg/m ²	45.5 (41.2, 54.9)	31.2 (28.3, 36.2)	45.1 (42.4, 49.2)	29.1 (26.6, 33.0)	42.9 (40.2, 46.1)	33.2 (29.7, 40.2)	0.005	<0.001
Waist Circumference, cm	136 (126,150)	106 (100, 119)	129 (122, 139)	103 (96, 109)	132 (125, 145)	114 (95, 122)	0.025	0.019
Systolic BP, mmHG	145 (136,160)	130 (120, 143)	145 (130, 155)	125 (115,136)	140 (140, 150)	122 (111, 145)	0.410	0.205
Diastolic BP, mmHg	90 (80,100)	80 (74, 90)	90 (85, 100)	80 (73, 90)	90 (80, 90)	82 (78, 90)	0.050	0.675
Glucose, mmol/l								
Fasting	5.1 (4.9, 6.4)	4.4 (4.3, 5.2)	4.9 (4.6, 5.5)	4.3 (4.1, 4.7)	5.0 (4.6, 5.6)	4.6 (4.3, 5.0)	0.005	<0.001
1-hour	9.1 (7.4, 11.9)	7.7 (5.6, 8.8)	8.6 (7.1, 10.1)	8.0 (6.2, 9.9)	7.6 (6.4, 10.4)	7.4 (5.2, 9.1)	0.038	0.207
2-hour	6.8 (5.3, 8.2)	3.7 (2.8, 5.5)	5.8 (4.7,7.3)	3.2 (2.4, 4.2)	5.9 (5.1, 7.5)	4.6 (3.8, 6.1)	0.086	<0.001
Insulin, pmol/l								
Fasting	204 (135, 262)	63 (42, 94)	142 (105, 206)	49 (38, 65)	127 (92, 183)	63 (41, 105)	0.001	0.001
1-hour	1141 (676, 1440)	707 (347, 1175)	912 (584, 1343)	644(370, 1098)	708 (520, 1299)	424 (249, 927)	0.133	0.132
2-hour	763 (377, 1299)	151 (69, 297)	470 (272, 840)	65 (40, 110)	456 (201, 801)	191 (103, 344)	0.024	<0.001
HOMA-IR	6.8 (5.4, 9.0)	1.6 (1.2, 3.0)	4.5 (3.3, 6.4)	1.4 (1.0, 1.8)	3.9 (2.9, 6.6)	1.9 (1.2, 3.4)	<0.001	<0.001
HbA1c, %	5.8 (5.5,6.4)	5.3 (5.1, 5.6)	5.6 (5.3, 6.1)	5.3 (5.1, 5.6)	5.6 (5.2, 5.9)	5.3 (5.1, 5.7)	0.001	0.625

Data are shown in Median (25th, 75th percentile). *Kruskal-Wallis Test over the three different surgery groups pre-surgery and ** post-surgery