Supplementary Tables

Fabbrini E, Tamboli RA, Magkos F, Marks PA, Eckhauser AW, Richards WO, Klein S, Abumrad NN. Surgical removal of omental fat does not improve insulin sensitivity and cardiovascular risk factors in obese adults.

Table 1. Characteristics of completers and non-completers before surgery (baseline).
Table 2. Characteristics of completers and non-completers at 6 months after surgery.
Table 3. Characteristics of completers and non-completers at 12 months after surgery.

Supplementary Table 1: Characteristics of completers and non-completers before surgery (baseline).

Before surgery	Completers (n=22)	Non-completers (n=34)	P value
Omentectomy	11	15	0.666
Females	18	31	0.301
Type 2 diabetes	14	13	0.029
Age (years)	44 (40-48)	44 (40-47)	0.868
Body mass index (kg/m^2)	47.6 (43.9-51.2)	48.1 (45.2-51.1)	0.809
Body fat (% body weight)	48 (45-50)	50 (48-52)	0.220
Cholesterol (mg/dL)	189 (175-203)	184 (173-195)	0.593
LDL-cholesterol (mg/dL)	108 (96-120)	107 (98-117)	0.885
HDL-cholesterol (mg/dL)	47 (42-52)	48 (44-52)	0.770
Triglyceride (mg/dL)	169 (138-200)	145 (121-170)	0.244
Glucose (mg/dL)	125 (109-141)	124 (111-137)	0.934
Insulin (mU/L)	25 (20-30)	20 (16-24)	0.115
HOMA2-IR	4.3 (3.4-5.1)	3.5 (2.8-4.2)	0.159
Free fatty acids (mmol/L)	0.71 (0.61-0.80)	0.71 (0.63-0.79)	0.987
Leptin (ng/mL)	39 (33-44)	38 (33-42)	0.734
Adiponectin (µg/mL)	8.2 (5.9-10.4)	7.9 (5.9-9.8)	0.846

Supplementary Table 2: Characteristics of completers and non-completers at 6 months after surgery.

6 months post-surgery	Completers (n=22)	Non-completers (n=20)	P value
Omentectomy	11	8	0.516
Females	18	19	0.188
Type 2 diabetes	14	5	0.005
Age (years)	44 (40-48)	42 (38-47)	0.642
Body mass index (kg/m^2)	34.4 (31.4-37.3)	35.0 (31.9-38.1)	0.771
Weight loss (%)	28 (26-30)	28 (25-30)	0.996
Cholesterol (mg/dL)	195 (140-250)	145 (132-157)	0.215
LDL-cholesterol (mg/dL)	105 (55-156)	83 (72-94)	0.641
HDL-cholesterol (mg/dL)	57 (40-74)	44 (40-48)	0.317
Triglyceride (mg/dL)	97 (80-115)	99 (81-118)	0.886
Glucose (mg/dL)	95 (89-100)	90 (84-95)	0.225
Insulin (mU/L)	8 (6-10)	8 (6-11)	0.757
HOMA2-IR	1.3 (1.0-1.7)	1.4 (1.0-1.8)	0.838
Free fatty acids (mmol/L)	0.58 (0.51-0.64)	0.65 (0.58-0.73)	0.155

Supplementary Table 3: Characteristics of completers and non-completers at 12 months after surgery.

12 months post-surgery	Completers (n=22)	Non-completers (n=19)	P value
Omentectomy	11	8	0.613
Females	18	18	0.207
Type 2 diabetes	14	7	0.045
Age (years)	44 (40-48)	43 (39-47)	0.730
Body mass index (kg/m^2)	31.3 (28.5-34.2	32.0 (28.9-35.0)	0.768
Weight loss (%)	35 (32-37)	33 (30-36)	0.406
Cholesterol (mg/dL)	152 (139-166)	153 (138-168)	0.942
LDL-cholesterol (mg/dL)	86 (74-98)	84 (71-97)	0.822
HDL-cholesterol (mg/dL)	50 (46-54)	52 (48-56)	0.468
Triglyceride (mg/dL)	83 (68-98)	89 (73-106)	0.599
Glucose (mg/dL)	97 (86-107)	91 (80-103)	0.506
Insulin (mU/L)	7 (5-8)	8 (6-10)	0.228
HOMA2-IR	1.1 (0.9-1.4)	1.3 (1.1-1.6)	0.266
Free fatty acids (mmol/L)	0.54 (0.47-0.61)	0.58 (0.50-0.66)	0.518

Values are frequencies and compared with χ^2 test, or means with 95% confidence intervals and compared with one-way analysis of covariance (adjusting for diabetes status to account for the fact that more diabetics completed the study than not).
Abbreviations: LDL, low-density lipoprotein; HDL, high-density lipoprotein; HOMA2-IR, updated homeostasis model assessment of insulin resistance.
To convert the values for glucose to mmol/L, multiply by 0.05551. To convert the values for insulin to pmol/L, multiply by 6. To convert the values for cholesterol to mmol/L, multiply by 0.0259. To convert the values for triglyceride to mmol/L, multiply by 0.0113.