

**Table 1. Anthropometric baseline characteristics of the study subjects.**

Variable	Mean	SEM
Age (years)	35.12	0.249
Height (cm)	170.97	0.005
Weight(kg)	150.16	0.77

**Table 2. Demographic and clinical measurements before and after surgery**

Parameters	Pre-Surgery	Post-Surgery	<i>p</i> value
	Mean±SEM	Mean±SEM	
BMI (kg/m <sup>2</sup> )	52.18±0.299	40.11±0.270	0.001
GLUC (mmol/L)	7.08±0.085	6.27±0.031	0.681
TGL (mmol/L)	1.62±0.038	1.05±0.012	0.028
TC (mmol/L)	4.26±0.027	5.12±0.026	<0.001
HDL (mmol/L)	0.90±0.007	1.55±0.011	<0.001
LDL (mmol/L)	2.62±0.026	2.98±0.022	0.031
HOMA-IR index	6.48±0.164	2.52±0.061	<0.001
Insulin (mIU/L)	19.35±0.304	8.80±0.181	<0.001