

Supplemental Table 1. The details of the **postoperative complication**

Study group	BMI (kg/m ²)	HbA _{1c} (%)	Insulin sensitivity (mg/kg/min)	Postoperative complication within 30 days of surgery
Non-DM1	19.4	5.9	4.32	
Non-DM2	25.4	5.5	1.19	Postoperative pulmonary embolism, heparin was used.
Non-DM3	31	6.4	1.06	Atrial fibrillation
Non-DM4	31.7	5.5	1.9	Anemia, RBC2U, renal colic
Non-DM5	23.2	5.7	2.42	
Non-DM6	22	5.4	3.08	
Non-DM7	26.9	5.2	2.06	
Non-DM8	30.1	5	2.78	Abdominal collection, organ/space SSI
Non-DM9	20.6	5.4	3.03	
Non-DM10	16.5	5.7	2.54	
Non-DM11	29.6	5.7	0.68	Anemia, RBC 2U
Non-DM12	27.3	5.9	1.73	
Non-DM13	25.8	5.7	1.52	
Non-DM14	30.1	6	1.27	
Non-DM15	27.1	5.5	3.2	
Non-DM16	22.1	5.6	2.91	
Non-DM17	34.9	5.7	0.53	Bad pain control, used a lot of analgetics during admission)
Non-DM18	26.5	5.4	2.01	
Non-DM19	26	6.1	2.17	
Non-DM20	36.6	4.7	1.52	
Non-DM21	28.4	5	1.94	
Non-DM22	35.7	6	1.39	
Non-DM23	23.2	5.8	1.73	Postoperative pneumonia
Non-DM24	27.4	5.5	1.88	
DM1	24.7	6.1	1.67	Diagnosed with heart failure (ICU 10 days)).
DM2	24.4	6.5	0.61	Left atelectasis and effusion
DM3	31.6	6.7	0.67	Urinary retention

DM4	37.1	6.7	0.14	
DM5	38.1	8.7	0.17	Significant dehiscence of incision
DM6	23.8	6.7	1.07	
DM7	28.1	6.7	1.14	Bilateral atelectasis and pleural effusion. Furosemide was administered.
DM8	24.1	6.4	1.72	Abdominal wall hematoma, RBC2U
DM9	25.2	9.5	0.94	Changed to ICU admission due to persistently low blood pressure
DM10	36	8.1	0.34	Postoperative anterior abdominal wall incisional hernia

The average of three consecutive dextrose infusion rates during steady state (90-120 min after starting HNC) was used as a measure of insulin sensitivity. The infusion rate of norepinephrine was the average of three consecutive data when insulin sensitivity was measured. Postoperative complications within 30 days of surgery were measured by Clavien score. BMI: body mass index, DM: diabetes mellitus, HbA_{1c}: glycated hemoglobin A_{1c}, HNC: hyperinsulinemic-normoglycemic clamp, ICU: intensive care unit, RBC: red blood cells, SSI: surgical site infection.