

**Supplementary Table 2.** Effects of partial pancreatectomy on anthropometric measures and blood biochemical profiles in all patients

Parameter	Group	Preoperative	Week 1 <sup>a</sup>	P value <sup>b</sup>	Month 3 <sup>a</sup>	P value <sup>b</sup>	Year 1 <sup>a</sup>	P value <sup>b</sup>
Body mass index, kg/m <sup>2</sup>	PD	23.3±2.8	23.0±2.9 <sup>c</sup>	0.111	22.2±2.6 <sup>c</sup>	0.973	22.4±2.7 <sup>c</sup>	0.756
	DP	24.2±3.1	23.8±3.1 <sup>c</sup>		23.1±2.8 <sup>c</sup>		23.3±3.3 <sup>c</sup>	
HbA1c, %	PD	6.3±1.7	6.0±1.3 <sup>c</sup>	0.010	6.2±1.2	<0.001	6.2±1.1	<0.001
	DP	6.2±1.2	6.2±1.1		6.9±1.5 <sup>c</sup>		6.7±1.3 <sup>c</sup>	
C-peptide, ng/mL	PD	3.0±1.9	1.5±1.0 <sup>c</sup>	<0.001	1.8±1.0 <sup>c</sup>	0.003	1.6±0.9 <sup>c</sup>	<0.001
	DP	2.4±1.2	1.8±1.0 <sup>c</sup>		1.8±0.9 <sup>c</sup>		1.9±1.0 <sup>c</sup>	
Glucose at 0 min, mg/dL	PD	126.0±50.3	109.3±36.3 <sup>c</sup>	0.015	110.3±26.2 <sup>c</sup>	<0.001	112.5±35.8 <sup>c</sup>	<0.001
	DP	114.3±33.4	115.1±30.9		126.5±41.9 <sup>c</sup>		123.1±31.3 <sup>c</sup>	
Glucose at 60 min, mg/dL	PD	246.3±88.0	207.3±59.2 <sup>c</sup>	<0.001	208.2±70.2 <sup>c</sup>	<0.001	221.0±79.3 <sup>c</sup>	<0.001
	DP	218.5±74.6	230.6±63.1		238.5±87.0 <sup>c</sup>		236.4±69.0 <sup>c</sup>	
Glucose at 120 min, mg/dL	PD	244.5±113.8	195.3±73.8 <sup>c</sup>	<0.001	174.7±89.2 <sup>c</sup>	<0.001	177.9±94.2 <sup>c</sup>	<0.001
	DP	194.3±89.1	230.7±69.6 <sup>c</sup>		232.5±96.8 <sup>c</sup>		225.8±94.3 <sup>c</sup>	
AUC <sub>Glucose</sub>	PD	431.5±161.7	360.0±106.0 <sup>c</sup>	<0.001	350.7±116.9 <sup>c</sup>	<0.001	366.2±132.2 <sup>c</sup>	<0.001
	DP	372.8±129.2	403.5±101.5 <sup>c</sup>		418.0±147.7 <sup>c</sup>		410.9±120.5 <sup>c</sup>	
Insulin at 0 min, μIU/mL	PD	8.2±4.0	5.7±2.7 <sup>c</sup>	0.861	7.2±3.7 <sup>c</sup>	0.013	6.7±2.9 <sup>c</sup>	0.627
	DP	9.1±3.8	7.0±4.7 <sup>c</sup>		6.7±3.2 <sup>c</sup>		7.2±3.9 <sup>c</sup>	
Insulin at 60 min, μIU/mL	PD	44.0±39.6	23.5±17.8 <sup>c</sup>	0.852	49.9±65.0 <sup>c</sup>	<0.001	46.7±44.9 <sup>c</sup>	<0.001
	DP	51.5±39.3	31.1±26.6 <sup>c</sup>		28.5±25.1 <sup>c</sup>		32.0±29.2 <sup>c</sup>	
Insulin at 120 min, μIU/mL	PD	51.5±42.5	24.1±22.5 <sup>c</sup>	0.025	30.0±41.9 <sup>c</sup>	0.631	24.9±24.8 <sup>c</sup>	0.972
	DP	53.7±44.9	33.1±30.8 <sup>c</sup>		28.3±30.5 <sup>c</sup>		27.2±24.5 <sup>c</sup>	
AUC <sub>Insulin</sub>	PD	73.9±53.8	38.5±25.7 <sup>c</sup>	0.278	68.6±77.1 <sup>c</sup>	<0.001	62.5±49.9 <sup>c</sup>	0.001
	DP	83.0±54.4	51.2±38.1 <sup>c</sup>		46.0±37.2 <sup>c</sup>		49.3±39.1 <sup>c</sup>	
HOMA-IR	PD	2.6±1.9	1.5±1.0 <sup>c</sup>	0.155	2.0±1.3 <sup>c</sup>	0.352	1.8±0.9 <sup>c</sup>	0.093
	DP	2.5±1.2	2.0±1.4 <sup>c</sup>		2.1±1.1 <sup>c</sup>		2.2±1.4 <sup>c</sup>	
HOMA-β	PD	65.0±40.2	65.1±49.1	0.013	64.2±35.3	<0.001	60.8±34.5	<0.001
	DP	81.5±56.3	60.8±42.5 <sup>c</sup>		47.9±30.2 <sup>c</sup>		51.6±30.9 <sup>c</sup>	
Matsuda ISI	PD	5.8±4.7	11.1±8.4 <sup>c</sup>	0.001	8.4±5.9 <sup>c</sup>	0.576	7.9±4.9 <sup>c</sup>	0.190
	DP	5.5±5.0	8.1±6.4 <sup>c</sup>		7.8±5.0 <sup>c</sup>		8.5±11.9 <sup>c</sup>	
IGI <sub>60</sub>	PD	21.2±31.2	12.6±15.6 <sup>c</sup>	0.006	33.4±60.6 <sup>c</sup>	<0.001	28.5±51.2	<0.001
	DP	33.1±46.8	13.1±13.2 <sup>c</sup>		15.8±20.0 <sup>c</sup>		22.5±38.2 <sup>c</sup>	
Disposition index	PD	4.0±13.0	2.5±3.2	0.003	4.9±8.6 <sup>c</sup>	<0.001	4.3±7.7 <sup>c</sup>	<0.001
	DP	3.9±5.5	2.1±2.4 <sup>c</sup>		2.5±3.2 <sup>c</sup>		3.2±5.5 <sup>c</sup>	
Total cholesterol, mg/dL	PD	196.8±75.0	122.4±31.6 <sup>c</sup>	<0.001	145.9±35.4 <sup>c</sup>	<0.001	152.5±34.5 <sup>c</sup>	<0.001
	DP	179.6±35.0	145.8±29.9 <sup>c</sup>		176.8±39.2		183.8±33.6	
AST, IU/L	PD	71.9±96.0	33.6±26.7 <sup>c</sup>	<0.001	39.4±34.5 <sup>c</sup>	0.003	40.5±26.7 <sup>c</sup>	0.011
	DP	23.9±10.2	30.8±23.1		24.5±9.5		27.3±10.7 <sup>c</sup>	
ALT, IU/L	PD	96.3±123.4	41.3±42.0 <sup>c</sup>	<0.001	41.4±41.4 <sup>c</sup>	<0.001	39.2±32.5 <sup>c</sup>	<0.001
	DP	22.7±15.5	35.1±53.7		26.1±16.5 <sup>c</sup>		24.6±13.4	
Creatinine, mg/dL	PD	0.71±0.22	0.59±0.18 <sup>c</sup>	0.021	0.67±0.17 <sup>c</sup>	0.676	0.69±0.19 <sup>c</sup>	0.660
	DP	0.75±0.20	0.66±0.16 <sup>c</sup>		0.72±0.17 <sup>c</sup>		0.73±0.17	
eGFR, mL/min/1.73 m <sup>2</sup>	PD	95.0±15.8	103.0±14.9 <sup>c</sup>	0.022	96.8±14.0 <sup>c</sup>	0.968	95.5±14.0	0.707
	DP	95.6±14.2	99.8±16.7 <sup>c</sup>		97.5±14.4 <sup>c</sup>		95.7±13.8	

Values are presented as mean ± standard deviation.

PD, pancreatoduodenectomy; DP, distal pancreatectomy; HbA1c, glycosylated hemoglobin; AUC, area under curve; HOMA-IR, homeostasis model assessment of insulin resistance; HOMA-β, homeostasis model assessment of β-cell function; ISI, insulin sensitivity index; IGI, insulinogenic index; AST, aspartate aminotransferase; ALT, alanine aminotransferase; eGFR, estimated glomerular filtration rate.

<sup>a</sup>Differences within groups were evaluated using paired Student's *t*-test or Wilcoxon's signed-rank test according to the distribution of data, <sup>b</sup>Differences of each time point to baseline values between two groups were evaluated using Student's *t*-test or Wilcoxon's rank-sum test as above, <sup>c</sup>*P*<0.05 compared with baseline values.