

Supplementary Table 3. Effects of partial pancreatectomy on anthropometric measures and blood biochemical profiles in matched patients

Parameter	Group	Preoperative day	Week 1 ^a	P value ^b	Month 3 ^a	P value ^b	Year 1 ^a	P value ^b
Body mass index, kg/m ²	PD	23.7±2.9	23.3±3.0 ^c	0.525	22.4±2.7 ^c	0.270	22.8±2.9 ^c	0.728
	DP	24.2±3.1	23.8±3.1 ^c		23.1±2.8 ^c		23.3±3.3 ^c	
HbA1c, %	PD	6.2±1.6	5.9±1.2 ^c	<0.001	5.9±0.7	<0.001	5.9±0.7	<0.001
	DP	6.2±1.2	6.2±1.1		6.9±1.5 ^c		6.7±1.3 ^c	
C-peptide, ng/mL	PD	2.8±1.6	1.5±0.8 ^c	<0.001	1.8±1.0 ^c	0.038	1.7±1.1 ^c	<0.001
	DP	2.4±1.2	1.8±1.0 ^c		1.8±0.9 ^c		1.9±1.0 ^c	
Glucose at 0 min, mg/dL	PD	120.1±47.0	105.6±31.2	0.140	106.9±23.4 ^c	<0.001	106.2±20.4 ^c	<0.001
	DP	114.3±33.4	115.1±30.9		126.5±41.9 ^c		123.1±31.3 ^c	
Glucose at 60 min, mg/dL	PD	228.8±79.1	198.6±52.4 ^c	0.002	197.0±61.1 ^c	<0.001	202.9±60.7 ^c	<0.001
	DP	218.5±74.6	230.6±63.1		238.5±87.0 ^c		236.4±69.0	
Glucose at 120 min, mg/dL	PD	209.4±103.5	176.0±55.6 ^c	<0.001	157.5±76.3 ^c	<0.001	160.4±79.1 ^c	<0.001
	DP	194.3±89.1	230.7±69.6 ^c		232.5±96.8 ^c		225.8±94.3 ^c	
AUC _{Glucose}	PD	393.5±147.3	339.4±87.6 ^c	<0.001	329.2±99.5 ^c	<0.001	336.3±96.1 ^c	<0.001
	DP	372.8±129.2	403.5±101.5 ^c		418.0±147.7 ^c		410.9±120.5 ^c	
Insulin at 0 min, µIU/mL	PD	8.6±4.2	6.0±2.9 ^c	0.874	7.4±4.0 ^c	0.068	7.1±3.2 ^c	0.573
	DP	9.1±3.8	7.0±4.7 ^c		6.7±3.2 ^c		7.2±3.9 ^c	
Insulin at 60 min, µIU/mL	PD	49.9±46.8	25.9±17.8 ^c	0.752	58.2±82.5	<0.001	54.2±50.8	0.001
	DP	51.5±39.3	31.1±26.6 ^c		28.5±25.1 ^c		32.0±29.2 ^c	
Insulin at 120 min, µIU/mL	PD	56.6±50.4	25.4±22.4 ^c	0.031	30.1±42.6 ^c	0.914	27.3±28.5 ^c	0.941
	DP	53.7±44.9	33.1±30.8 ^c		28.3±30.5 ^c		27.2±24.5 ^c	
AUC _{Insulin}	PD	82.5±62.3	41.6±24.7 ^c	0.227	76.9±93.4 ^c	0.001	71.5±55.2 ^c	0.003
	DP	83.0±54.4	51.2±38.1 ^c		46.0±37.2 ^c		49.3±39.1 ^c	
HOMA-IR	PD	2.6±2.0	1.6±1.0 ^c	0.483	2.1±1.5 ^c	0.475	1.9±0.9 ^c	0.218
	DP	2.5±1.2	2.0±1.4 ^c		2.1±1.1 ^c		2.2±1.4 ^c	
HOMA-β	PD	70.2±40.9	66.7±48.4	0.091	66.8±35.0	<0.001	66.9±37.3	<0.001
	DP	81.5±56.3	60.8±42.5 ^c		47.9±30.2 ^c		51.6±30.9 ^c	
Matsuda ISI	PD	5.8±4.9	10.6±7.8 ^c	0.008	8.4±5.9 ^c	0.549	7.6±4.7 ^c	0.479
	DP	5.5±5.0	8.1±6.4 ^c		7.8±5.0 ^c		8.5±11.9 ^c	
IGI ₆₀	PD	17.3±65.1	13.1±12.4 ^c	0.121	46.2±82.2 ^c	<0.001	28.6±77.4	0.002
	DP	33.1±46.8	13.1±13.2 ^c		15.8±20.0 ^c		22.5±38.2 ^c	
Disposition index	PD	3.2±3.2	2.8±3.9	0.112	6.7±11.6 ^c	0.001	4.9±9.2	0.009
	DP	3.9±5.5	2.1±2.4 ^c		2.5±3.2 ^c		3.2±5.5 ^c	
Total cholesterol, mg/dL	PD	193.6±57.2	126.4±32.5 ^c	<0.001	147.5±36.2 ^c	<0.001	153.0±35.6 ^c	<0.001
	DP	179.6±35.0	145.8±29.9 ^c		176.8±39.2		183.8±33.6	
AST, IU/L	PD	64.4±81.1	36.6±34.2 ^c	<0.001	38.5±31.9 ^c	0.046	43.3±33.8	0.256
	DP	23.9±10.2	30.8±23.1		24.5±9.5		27.3±10.7 ^c	
ALT, IU/L	PD	88.5±121.4	45.2±53.5 ^c	<0.001	41.1±38.6 ^c	0.007	40.4±29.7 ^c	0.012
	DP	22.7±15.5	35.1±53.7		26.1±16.5 ^c		24.6±13.4	
Creatinine, mg/dL	PD	0.70±0.21	0.58±0.16 ^c	0.048	0.67±0.17 ^c	0.570	0.68±0.19	0.490
	DP	0.75±0.20	0.66±0.16 ^c		0.72±0.17 ^c		0.73±0.17	
eGFR, mL/min/1.73 m ²	PD	98.4±14.9	106.0±14.7 ^c	0.034	99.8±14.8	0.728	98.9±13.7	0.515
	DP	95.6±14.2	99.8±16.7 ^c		97.5±14.4 ^c		95.7±13.8	

Values are presented as mean ± standard deviation.

PD, pancreateoduodenectomy; 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.

^aDifferences within groups were evaluated using paired Student's *t*-test or Wilcoxon's signed-rank test according to the distribution of data, ^bDifferences 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, ^c*P*<0.05 compared with baseline values.