Table S1. Subgroup analyses of post SPK patients based on time after transplantation.

	Post-SPK < 7 years	Post-SPK ≥ 7 years	P-value[6]
n	35	37	
Age (yrs)	45.2±6.7	50.6±8.8	0.005
Male gender	19 (54%)	22 (59%)	0.67
Married/living together[1]	29 (83%)	27 (73%)	0.42
Ethnicity (Non-Caucasian)	2 (6%)	5 (14%)	0.26
Age of diagnosis DM (yrs)	12.3±5.3	12.5±8.0	0.86
Duration of DM[2] (yrs)	29.6±6.9	27.9±8.4	0.37
Insulin use	4 (11%)	0 (0%)	0.034
Dialysis	1 (3%)	0 (0%)	0.49
Retinopathy[3]	33 (94%)	37 (100%)	0.14
Arterial vascular disease[4]	9 (26%)	19 (51%)	0.026
Amputation[5]	6 (17%)	7 (19%)	0.85
Malignancy -Nonmelanoma skin cancer - Other cancers	0 (0%) 1 (2.9%)	7 (18.9%) 4 (10.8%)	0.007
SF-36 'General Health'	49.0±22.3	45.5±24.1	0.53
SF-36 'Physical Function'	73.1±27.2	59.5±32.1	0.05
BSI total score	0.54±0.54	0.55±0.57	0.9

SPK = simultaneous pancreas kidney. Values are reported as number (% of total in parentheses) for categorical data and mean±SD for quantitative data, unless otherwise indicated. Seven years was the median time after transplantation in the post SPK group. [1]Married or living together. [2]Time from diagnosis type 1 DM to pancreas transplant. [3]Retinopathy that required laser coagulation; [4]Arterial vascular disease (coronary, cerebral, peripheral) requiring either hospital admission or treatment; [5] Amputation indicates amputations performed on the lower extremity. [6]P-values by independent T-test or Chi-square tests

Table S2. Psychological symptoms subscales (BSI).

	Post-SPK	Pre-SPK	P-value post SPK vs pre SPK	T1D reference	Dutch population reference [18]
Somatization	0.68±0.66	0.61±0.55	0.55	0.37±0.48	0.17±0.28
Obsessive-compulsive	0.79±0.84	0.54±0.59	0.08	0.55±0.60	0.35±0.42
Interpersonal Sensitivity	0.56±0.72	0.45±0.50	0.36	0.37±0.51	0.29±0.42
Depression	0.58±0.69	0.48±0.65	0.43	0.38±0.48	0.20±0.34
Anxiety	0.50±0.75	0.34±0.44	0.19	0.27±0.45	0.22±0.34
Hostility	0.46±0.47	0.38±0.46	0.36	0.21±0.25	0.20±0.29
Phobic Anxiety	0.37±0.56	0.27±0.48	0.32	0.21±0.32	0.11±0.23
Paranoid Ideation	0.43±0.61	0.45±0.54	0.86	0.21±0.30	0.23±0.35
Psychoticism	0.34±0.54	0.31±0.44	0.75	0.25±0.33	0.14±0.28
BSI total score	0.54±0.55	0.45±0.42	0.34	0.32±0.33	0.21±0.25

SPK = simultaneous pancreas kidney. T1D = Type 1 diabetes reference group. Values are reported as mean±SD. Higher values indicate more psychological symptoms

Table S3. Quality of Life subscales (SF-36).

	Post-SPK	Pre-SPK	P-value post SPK vs pre SPK	T1D reference
Physical function	66.1±30.4	64.3±27.3	0.34	88.5±16.5
Social function	67.4±29.5	66.8±26.5	0.91	82.7±17.7
Role physical	45.8±42.4	37.2±35.7	0.25	72.0±41.0
Role emotional	76.8±37.8	66.7±39.3	0.16	84.9±28.7
Mental health	75.5±19.7	75.1±16.5	0.91	79.1±12.7
Vitality	57.3±21.1	52.4±21.0	0.22	66.0±18.4
Bodily pain	71.0±28.5	72.9±28.1	0.72	85.4±17.2
General health	47.2±23.1	37.5±18.1	0.017	60.6±22.3
Sum Physical[1]	240.2±101.6	226.9±91.9	0.47	311.9±75.4
Sum Mental[2]	219.7±68.7	208.6±65.4	0.38	264.9±48.6
Total score	507.1±159.8	473.0±142.0	0.24	637.4±124.7

SPK = simultaneous pancreas kidney. T1D = Type 1 diabetes reference ~~group~~. Values are reported as mean±SD. [1]Sum score of the following subscales: Bodily pain, Vitality, Physical Function, Role Physical. [2]Sum score of the following subscales: Mental Health, Social Function, Role Emotional. Higher scores indicate better quality of life.

Table S4. Personality trait subscales (DAPP-sf) .

	Post-SPK	Pre-SPK	P-value post SPK vs pre SPK	T1D reference	Dutch population reference [18]
Submissiveness	1.8±0.75	1.8±0.67	1.0	2.2±0.79	2.1±0.75
Cognitive Distortion	1.4±0.61	1.4±0.55	1.0	1.5±0.45	1.4±0.51
Identity Problems	1.8±0.79	1.7±0.73	0.49	1.7±0.76	1.5±0.59
Affective Lability	2.3±0.84	2.1±0.85	0.21	2.0±0.73	2.0±0.76
Stimulus Seeking	2.0±0.84	2.0±0.76	1.0	1.8±0.54	2.0±0.72
Compulsivity	2.6±0.95	2.6±1.1	1.0	2.7±0.78	2.5±0.77
Restricted Expression	2.5±0.74	2.5±0.76	1.0	2.4±0.66	2.3±0.75
Oppositionality	1.7±0.50	1.7±0.57	1.0	1.7±0.44	1.9±0.65
Callousness	2.0±0.80	2.1±0.63	0.47	1.9±0.65	1.7±0.50
Intimacy Problems	2.3±0.82	2.4±0.80	0.51	2.4±0.77	2.1±0.67
Rejection	2.3±0.69	2.4±0.90	0.50	2.3±0.60	2.5 ±0.76
Anxiousness	2.0±0.84	1.9±0.80	0.52	2.1±0.78	2.0±0.81
Conduct Problems	1.2±0.36	1.3±0.36	0.14	1.2±0.22	1.3±0.37
Suspiciousness	1.5±0.56	1.5±0.67	1.0	1.3±0.56	1.3±0.46
Social Avoidance	1.8±0.80	1.7±0.56	0.46	1.8±0.72	1.8±073
Narcissism	1.7±0.63	1.8±0.77	0.44	1.9±0.64	2.2±0.76
Insecure Attachment	2.0±0.97	2.0±1.0	1.0	1.9±0.90	1.7±0.77
Self-Harm	1.2±0.49	1.1±0.40	0.25	1.1±0.25	1.1±0.27

Values are reported as mean±SD. Higher values indicate an increase in the personality trait

Data S1: Additional models.

Physical subscales correlation outcome
SF-36 (physical sum score) = 481 – 79*(BSI total score) – 51*(dialysis) - 58* (retinopathy) –
46*(vascular event) – 48 *(malignancy(1)) – 89*(malignancy(2)) – 29*(if female) -1.5 *(age)

BSI total score correlation outcome
BSI total score = 0.14 + 0.28*(retinopathy) + 0.15*(male gender) + 0.27 * (non-caucasian ethnicity) –
0.36*(if low level of education)