

SUPPLEMENTARY DATA

Supplementary Table 1. Time domain parameters of heart rate variability during hypoglycemia and euglycemia

Data are Mean±SD. EU – euglycemia; HYPO – hypoglycemia; SDNN – standard deviation of NN; RMSSD – root mean square of successive differences in NN

DM

	Time (min)	0	30	60	90	120
SDNN (ms)	EU	33.0±12.5	29.1±12.6	29.1±13.0	29.4±14.5	29.2±12.9
	HYPO	31.0±14.9	33.9±16.8	30.3±14.7	34.0±18.1	40.4±26.9
RMSSD (ms)	EU	18.6±9.7	15.6±8.2	15.6±6.9	17.7±11.4	16.8±7.7
	HYPO	20.0±13.0	19.6±14.2	15.0±8.2	16.2±13.4	22.9±22.2

nonDM

	Time (min)	0	30	60	90	120
SDNN (ms)	EU	48.7±19.7	61.8±27.7	53.2±19.1	53.7±10.8	59.3±23.4
	HYPO	55.9±26.7	57.6±16.2	47.1±17.4	51.0±19.7	59.2±40.4
RMSSD (ms)	EU	30.6±18.2	33.3±16.0	32.0±15.8	28.9±10.8	30.9±12.4
	HYPO	35.0±18.9	34.1±17.3	28.7±17.4	33.7±21.2	36.0±36.2

SUPPLEMENTARY DATA

Supplementary Table 2. Respiratory frequencies during heart rate variability recordings

Respiratory frequencies (Hz) Mean±SD during euglycemic and hypoglycemic clamp studies in diabetic (DM) and nondiabetic (nonDM) groups

Time (min)		0	30	60	90	120
DM	EU	0.25±0.05	0.27±0.07	0.26±0.05	0.29±0.06	0.24±0.05
	HYPO	0.25±0.06	0.25±0.07	0.26±0.08	0.31±0.06	0.29±0.05
NonDM	EU	0.24±0.03	0.25±0.05	0.24±0.04	0.26±0.05	0.26±0.07
	HYPO	0.24±0.04	0.26±0.04	0.27±0.06	0.30±0.08	0.27±0.08