

SUPPLEMENTARY DATA

Supplementary Table 1. Echocardiographic and hemodynamic characteristics of type 2 diabetic patients grouped by ultrasonographic severity of NAFLD.

	Without steatosis (n=18)	Mild NAFLD (n=7)	Moderate NAFLD (n=11)	Severe NAFLD (n=14)	P-value for trends	P-value adjusted for HbA _{1c} , triglycerides, and hypertension status*
EDV, mL	84.1±11	86.5±10	88.2±12	81.8±8	0.39	NS
ESV, mL	24.0±6.1	20.4±6	24.7±10	21.9±6	0.58	NS
LV-EF, %	71.3±6.9	76.7±7	72.7±9	73.1±6	0.49	NS
LV mass index, g/m ²	107.9±14.9	104.8±11	104.3±21	119.3±14	0.09	NS
LA maximal volume index, mL/m ²	24.8±5.8	21.3±4	26.9±10	29.8±11	0.27	NS
E, m/s	0.57±0.16	0.63±0.11	0.61±0.10	0.67±0.19	0.15	NS
A, m/s	0.84±0.16	0.86±0.10	0.89±0.14	0.91±0.14	0.36	NS
E/A ratio	0.68±0.13	0.73±0.10	0.70±0.10	0.74±0.11	0.34	NS
Dte, ms	253.4±56	285.2±57	286.3±87	279.4±82	0.72	NS
s' velocity, cm/s	10.5±1.9	10.3±1.2	9.9±1.1	8.9±1.3	<0.05	<0.05
a' velocity, cm/s	12.6±2.1	12.8±2.0	12.7±2.2	10.9±1.8	0.09	NS
e' velocity, cm/s	9.9±1.9	9.6±1.7	8.5±1.1	7.5±1.4	<0.001	<0.01
E/e' ratio	5.59±1.1	6.61±0.5	7.20±0.6	9.1±1.2	<0.0001	<0.0001
IVRT, ms	87.3±13	90.8±16	98.2±17	92.4±16	0.36	NS
IVRT/T _{E-e'}	2.27±1.0	3.30±1.3	2.13±0.7	1.21±1.1	<0.01	<0.01
Tau, ms	33.2±13	34.1±11	41.6±6	48.1±10	<0.01	<0.05
LV-EDP, mmHg	15.1±1.0	15.3±1.5	16.2±0.5	17.3±0.7	<0.0001	<0.0001
LV-EDP/EDV, mmHg/mL	0.18±0.02	0.19±0.02	0.19±0.02	0.22±0.03	<0.01	<0.05
Ea, mmHg/mL	1.03±0.29	0.96±0.3	0.90±0.2	1.03±0.2	0.49	NS
SAC, mL/mmHg	1.57±0.4	1.57±0.3	1.55±0.3	1.35±0.3	0.20	NS
SVR index, dyne/s/cm ⁵	2385±420	1830±989	2258±490	2870±449	0.13	NS
LS _{sys} , %	-16.1±2.9	-14.1±2	-15.9±3	-16.1±3	0.87	NS
SR _{sys} , s ⁻¹	-1.03±0.15	-0.90±0.11	-1.07±0.13	-1.01±0.12	0.40	NS
SR _E , s ⁻¹	0.94±0.20	0.87±0.10	0.97±0.19	0.83±0.22	0.28	NS
SR _L , s ⁻¹	1.0±0.18	0.92±0.21	0.90±0.27	0.93±0.25	0.32	NS
E/SR _E , m	0.63±0.19	0.80±0.11	0.68±0.19	0.84±0.21	0.01	<0.05
24-hour HRV by SDNN, ms	127±23	112±42	133±24	134±36	0.44	NS
24-hour HRV by r-MSSD, ms	28.8±15.7	36.0±24	37.1±13	37.3±24	0.59	NS
24-hour HRV by p-NN50, %	2.57±2.5	3.91±4	5.13±4	4.75±4	0.28	NS

Data are expressed as means±SD. Measurements of LV global longitudinal strain and strain rate were available in 45 patients (29 with NAFLD and 16 without steatosis). NS, not significant. * P values for differences were determined by means of analysis of covariance (ANCOVA).