Table S1. Univariable analysis for Myocardial work parameters

Dependent variable	Covariate	B coefficient	p
GWI (mmHg %)	Age (years)	0.121	0.11
	Systolic BP (mmHg)	0.65	<0.0001
	Diastolic BP (mmHg)	0.33	<0.0001
	HR (bpm)	-0.03	0.70
	EF (%)	0.10	0.17
	E/e' ratio	0.22	0.004
	LAVi (ml/m2)	0.22	0.003
GCW (mmHg %)	Age (years)	0.19	0.009
	Systolic BP (mmHg)	0.71	<0.0001
	Diastolic BP (mmHg)	0.33	<0.0001
	HR (bpm)	-0.03	0.70
	EF (%)	0.13	0.08
	E/e' ratio	0.21	0.005
	LAVi (ml/m2)	0.21	0.005
GWW (mmHg %)	Age (years)	0.02	0.74
	Systolic BP (mmHg)	0.14	0.06
	Diastolic BP (mmHg)	0.37	0.63
	HR (bpm)	0.19	0.01
	EF (%)	0.11	0.16
	E/e' ratio	0.03	0.72
	LAVi (ml/m2)	0.03	0.69
GWE (%)	Age (years)	-0.007	0.93
	Systolic BP (mmHg)	0.05	0.55
	Diastolic BP (mmHg)	0.03	0.72
	HR (bpm)	-0.16	0.03
	EF (%)	-0.08	0.26
	E/e' ratio	-0.04	0.611
	LAVi (ml/m2)	0.13	0.08

Table S2. Demographic and echocardiographic parameters distribution according age tertiles

Analysis according to age tertiles				
Parameter	1st Tertile (<32 years) n=54	2d Tertile (32 - <49 years) n=61	3rd Tertile (≥49 years) n=62	Cumulative p
BMI (Kg/m²)	21.8±2.5	23.9±2.6*	24.4±2.4*	<0.0001
Systolic BP (mmHg)	115.2±13.1	122.4±10.8**	123.4±12.4$^{\pm}$	<0.001
Diastolic BP (mmHg)	74.3±7.4	74.8±8.1	75.9±7.9	0.50
Heart rate (bpm)	72.4±11.4	70.8±9.1	68.9±10.5	0.198
LV mass index (g/m²)	26.3±4.7	30.6±7.5	33.3±8.1	<0.0001
RDWT	0.31±0.05	0.33±0.05	0.33±0.06	0.09
LV EF	63.5±5.08	63.8±5.1	63.5±3.8	0.95
E/A ratio	1.64±0.36	1.40±0.29	0.98±0.27	<0.0001
E/e' ratio	5.68±0.98	6.32±1.24	7.92±2.19	<0.0001
LAVi (ml/m²)	24.3±4.9	24.6±5.5	25.1±6.2	0.744
GLS (%)	23.4 ± 1.7	22.5±1.6	22.6±1.6	0.01

*p<0.0001 vs 1st tertile; ** p<0.005 vs 1st tertile, $^{\pm}$p<0.001 vs 1st tertile