

**Supplementary Table 2.** Left ventricular 2-dimensional longitudinal strain and strain rates according to sex and age (mean ± SD)

Age group	Females (n = 265)					Males (n = 236)					p value			
	21-30 (n = 46)	31-40 (n = 51)	41-50 (n = 58)	51-60 (n = 53)	61-70 (n = 39)	71-80 (n = 18)	p value	21-30 (n = 39)	31-40 (n = 51)	41-50 (n = 45)		51-60 (n = 46)	61-70 (n = 37)	71-80 (n = 18)
<b>LVLS (%)</b>														
A4C view	-21.1 ± 2.2	-21.6 ± 2.5	-20.6 ± 2.1	-20.8 ± 1.9	-20.4 ± 2.1	-20.7 ± 2.4	0.111	-18.7 ± 1.7	-18.6 ± 2.2	-19.5 ± 2.1	-19.1 ± 1.8	-19.9 ± 2.2	-19.6 ± 2.6	0.021
A3C view	-21.0 ± 3.3	-21.6 ± 3.0	-20.5 ± 2.8	-20.0 ± 1.9	-20.0 ± 2.8	-21.0 ± 2.7	0.057	-19.2 ± 2.0	-18.7 ± 2.5	-19.2 ± 1.8	-18.8 ± 2.0	-19.5 ± 2.8	-19.8 ± 2.8	0.407
A2C view	-22.7 ± 2.7	-22.6 ± 2.9	-21.8 ± 2.2	-21.5 ± 2.5	-21.6 ± 2.3	-21.4 ± 2.6	0.024	-20.1 ± 2.0	-19.7 ± 2.3	-20.4 ± 2.6	-20.3 ± 2.0	-20.7 ± 2.8	-20.9 ± 2.7	0.311
IVGLS	-21.6 ± 2.4	-22.0 ± 2.4	-20.9 ± 2.0	-21.0 ± 2.6	-20.6 ± 2.0	-21.0 ± 2.2	0.0015	-19.3 ± 1.5	-19.1 ± 2.3	-19.7 ± 1.8	-19.4 ± 1.6	-20.1 ± 2.3	-20.1 ± 2.4	0.108
<b>LV longitudinal systolic (S) strain rate (1/s)</b>														
A4C view	-1.25 ± 0.15	-1.28 ± 0.22	-1.20 ± 0.17	-1.19 ± 0.19	-1.15 ± 0.19	-1.21 ± 0.19	0.022	-1.15 ± 0.22	-1.12 ± 0.16	-1.14 ± 0.17	-1.11 ± 0.16	-1.13 ± 0.14	-1.13 ± 0.12	0.835
A3C view	-1.30 ± 0.24	-1.31 ± 0.24	-1.24 ± 0.21	-1.20 ± 0.17	-1.20 ± 0.18	-1.24 ± 0.26	0.061	-1.18 ± 0.19	-1.15 ± 0.15	-1.14 ± 0.24	-1.12 ± 0.15	-1.20 ± 0.21	-1.21 ± 0.16	0.327
A2C view	-1.31 ± 0.25	-1.31 ± 0.24	-1.26 ± 0.17	-1.27 ± 0.21	-1.24 ± 0.19	-1.31 ± 0.23	0.299	-1.21 ± 0.20	-1.17 ± 0.18	-1.22 ± 0.23	-1.19 ± 0.19	-1.24 ± 0.16	-1.28 ± 0.20	0.376
IVGLSR	-1.29 ± 0.17	-1.30 ± 0.21	-1.23 ± 0.16	-1.23 ± 0.16	-1.21 ± 0.16	-1.26 ± 0.19	0.095	-1.17 ± 0.17	-1.15 ± 0.14	-1.17 ± 0.18	-1.14 ± 0.14	-1.19 ± 0.13	-1.20 ± 0.12	0.501

p values were obtained from the analysis of variance test. SD: standard deviation, LVLS: left ventricular longitudinal strain, A4C: apical 4-chamber, A3C: apical 3-chamber, A2C: apical 2-chamber, IVGLS: left ventricular global longitudinal systolic strain, LV: left ventricle, IVGLSR: left ventricular global longitudinal systolic strain rate