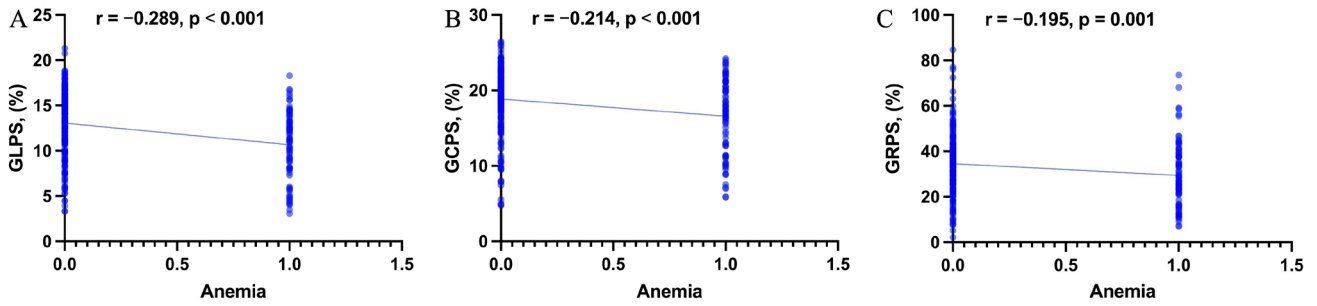


**Table S1** Comparisons of CMR data among patients with HTN using analysis of covariance

Variable	HTN without anemia (n=150)	HTN with anemia (n=88)	P value
LV function parameters			
LVEDV (mL)	150.4±4.5	149.7±5.9	0.932
LVEDVI (mL/m <sup>2</sup> )	100.4±3.4	116.5±4.4	0.005
LVESV (mL)	74.5±4.3	78.6±5.7	0.572
LVESVI (mL/m <sup>2</sup> )	49.9±3.2	62.4±4.2	0.021*
LVSV (mL)	75.9±1.7	71.6±2.2	0.122
LVSVI (mL/m <sup>2</sup> )	50.5±1.1	54.3±1.4	0.032*
LVEF (%)	54.4±1.2	49.8±1.6	0.021*
LVM (g)	101.6±2.6	107.4±3.5	0.191
LVMI (g/m <sup>2</sup> )	67.0±1.9	83.0±2.5	<0.001*
M/V (g/mL)	0.70±0.01	0.74±0.02	0.076
Peak strain			
Radial (%)	32.24±1.14	29.76±1.50	0.194
Circumferential (%)	-17.98±0.39	-16.76±0.51	0.062
Longitudinal (%)	-11.88±0.35	-10.52±0.46	0.020*
PSSR			
Radial (1/s)	2.17±0.11	1.70±0.15	0.013*
Circumferential (1/s)	-1.02±0.02	-0.96±0.03	0.105
Longitudinal (1/s)	-0.70±0.04	-0.65±0.05	0.428
PDSR			
Radial (1/s)	-1.53±0.23	-0.68±0.30	0.026*
Circumferential (1/s)	0.67±0.06	0.68±0.07	0.938
Longitudinal (1/s)	0.69±0.03	0.64±0.04	0.320

Adjustment of estimated glomerular filtration rate in HTN patients with and without anemia using analysis of covariance. Values are given as mean ± standard error. \*, indicates a significance level of <0.05. “-” indicates the direction of strains (negative). Negative strain means shortening, thinning, and/or contraction, while positive strain means lengthening, thickening, and/or relaxation from end-diastole to end-systole. CMR, cardiovascular magnetic resonance; HTN, hypertension; LV, left ventricular; EDV, end diastolic volume; ESV, end systolic volume; SV, stroke volume; EF, ejection fraction; M, mass; M/V, mass/volume ratio; I, indexed to body surface area; PSSR, peak systolic strain rate; PDSR, peak diastolic strain rate.



**Figure S1** Correlation of anemia with left ventricular global peak strain. Panel (A) displays longitudinal strain, panel (B) shows circumferential strain, and panel (C) illustrates radial strain. The absolute values of circumferential and longitudinal peak strain were analyzed to avoid the influence of directional signs. GRPS, global radial peak strain; GCPS, global circumferential peak strain; GLPS, global longitudinal peak strain.

**Table S2** Intra- and inter-observer variabilities of LV strain parameters

Variable	Intra-observer variability		Inter-observer variability	
	ICC	95% CI	ICC	95% CI
Peak strain (%)				
Radial	0.929	0.857–0.966	0.921	0.841–0.962
Circumferential	0.969	0.937–0.985	0.942	0.881–0.972
Longitudinal	0.968	0.934–0.985	0.920	0.839–0.961

LV, left ventricular; ICC, intraclass correlation coefficients; CI, confidence interval.