

Supplementary

Appendix 1. Number of extracted radiomics features

Calculation method	Shape- or size-based features	First-order fertures	Texture and higher order statistics features	Number
Original data	10	18	75	103
Logarithm	-	18	75	93
Square	-	18	75	93
Exponential	-	18	75	93
Gradient	-	18	75	93
Squareroot	-	18	75	93
lbp-2D	-	18	75	93
Wavelet LL	-	18	75	93
Wavelet LH	-	18	75	93
Wavelet HL	-	18	75	93
Wavelet HH	-	18	75	93
Total	10	198	825	1033

Appendix 2. The p value, confidence interval and mean difference of comparison between groups (two-by-two) in general characteristics and CMR result

	p value			95% confidence interval			mean difference		
	HCM vs HHD	HCM vs AC	AC vs HHD	HCM vs HHD	HCM vs AC	AC vs HHD	HCM vs HHD	HCM vs AC	AC vs HHD
Age	0.364	0.003	0.000	-10.57 – 3.92	-17.61 - -3.88	-21.38 - -6.76	-3.325	-10.746	-14.071
HR	0.035	0.601	0.105	0.65 – 16.60	-9.54 – 5.56	-1.41 – 14.67	8.623	-1.992	6.631
SBP	0.000	0.000	0.000	21.02 – 47.64	11.59 – 36.80	45.11 – 71.95	34.331	24.196	58.527
DBP	0.000	0.000	0.000	9.12 – 34.04	5.55 – 21.63	22.79 – 47.56	21.581	13.594	35.175
LVEDV	0.001	0.505	0.000	18.57 – 68.82	-15.79 – 31.78	26.36 – 77.02	43.695	7.994	51.689
LVEF	0.000	0.000	1.000	-24.95 - -7.36	9.20 – 23.92	-9.75 – 10.56	-16.156	16.558	0.402
Native T1	0.078	0.000	0.000	-73.47 – 2.91	-158.96 - -75.53	-200.12 - -104.93	-35.279	-117.246	-152.525

HR, Heart rate; SBP, Systolic blood pressure; DBP, Diastolic blood pressure; LVEDV, left ventricular end-diastolic volume; LVEF, left ventricular ejection fraction; HCM, hypertrophic cardiomyopathy; HHD, hypertensive heart disease; AC, amyloid cardiomyopathy.