

SUPPLEMENTARY TABLES

Supplementary Table 1. Confirmed AM compared to a healthy controls sample, matched for age and gender

Parameter	Confirmed AM	Controls	p-value
Number	39	42	
Males	33	33	0,98
Age [years]	35 (28-43)	35 (28-43)	0,98
Height [cm]	1,7 (1,7-1,8)	1,7 (1,7-1,8)	0,79
Weight [kg]	78 (69-90)	70 (62-85)	0,145
BSA [m ²]	1,9 (1,8-2,1)	1,8 (1,7-2)	0,468
CMR LV EF [%]	61 (59-63)	61 (56-59)	0,467
CMR LV COi [L/min/m ²]	50 (44-55)	47 (44-60)	0,735
CMR LV EDVi [ml/m ²]	82 (75-89)	75 (63-87)	0,08
FEATURE TRACKING ANALYSIS			
LV GRS	42,3 (36,1/45)	47,1 (42,7/51,8)	0,004
LV GCS	-20,1 (-21,2/-17,7)	-20,7 (-22,2/-19,4)	0,042
LV GLS	-18,9 (-20,3/-17,6)	-20,5 (-22,4/-19,1)	0,004
RV GRS	20,7 (14,9/24,4)	25,30 (19,7/29,8)	0,048
RV GCS	-11 (-14/-8,2)	-14,7 (-16,5/-12,4)	0,013
RV GLS	-22,4 (-24,6/-20)	-24,1 (-27/-20,7)	0,268

Legend: 2D, 2 Dimensions; 3D, 3 Dimensions; CI, Confidence Interval; CMR, Cardiac Magnetic Resonance; COi, Cardiac Output indexed; EDVi, End Diastolic Volume indexed; GCS, Global Circumferential Strain; GLS, Global Longitudinal Strain; GRS, Global Radial Strain; ICC, Interclass Correlation Coefficient; LV, Left Ventricle; RV, Right Ventricle.

Supplementary Table 2. Cut-off values for RV and LV Feature Tracking strain

Parameter	Healthy Controls (42 subjects)	Reference values in literature[31]	Normal Cut-off values found
LV Circumferential Strain	-19,5 ± 2,5	-18,8 ± 2,4	>-17,5
LV Longitudinal Strain	-19,1 ± 2,3	-18,1 ± 2,3	>-16,5
RV Circumferential Strain	-12 ± 4,4	-11,7 ± 2,2	>-8,2
RV Longitudinal Strain	-22,1 ± 3,8	-22,1 ± 3,5	>-16,5

Legend: LV, Left Ventricular; RV, Right Ventricular.

Supplementary Table 3. CMR Intraoperator and interoperator Interclass Correlation Coefficient

	Intra-operator		Inter-operator
	ICC (95% CI)		ICC (95% CI)
LV Strain 2D		LV Strain 2D	
RV peak GRS %	0,88 (0,79-0,94)	RV peak GRS %	0,92 (0,86-0,96)
RV peak GCR %	0,95 (0,91-0,97)	RV peak GCR %	0,96 (0,92-0,98)
RV peak GLS %	0,95 (0,91-0,97)	RV peak GLS %	0,96 (0,93-0,98)
RV Strain 2D		RV Strain 2D	
RV peak GRS %	0,90 (0,81-0,94)	RV peak GRS %	0,94 (0,9-0,97)
RV peak GCR %	0,81 (0,65-0,89)	RV peak GCR %	0,90 (0,81-0,94)
RV peak GLS %	0,91 (0,83-0,95)	RV peak GLS %	0,88 (0,79-0,93)

Legend: 2D, 2 Dimensions; 3D, 3 Dimensions; CI, Confidence Interval; CMR, Cardiac Magnetic Resonance; GCS, Global Circumferential Strain; GLS, Global Longitudinal Strain; GRS, Global Radial Strain; ICC, Interclass Correlation Coefficient; LV, Left Ventricular; RV, Right Ventricular.