

		<i>All Myocarditis</i>	<i>IL-MY</i>	<i>noIL-MY</i>	<i>P value</i>
		<i>N=54</i>	<i>N= 34</i>	<i>N= 20</i>	
<b><i>Clinical Characteristics</i></b>					
Age (years)	mean ± SD	36.6±17.3	36.2 ±17.2	37.22±17.7	0.852
Males	n (%)	49 (92.2)	32 (92.1)	17 (94.4)	0.962
Body Surface Area (m <sup>2</sup> )	mean ± SD	1.90±0.16	1.94±0.18	1.84±0.14	0.065
Dyslipidemia	n (%)	9 (17.3)	6 (17.6)	3 (16.7)	0.929
Arterial Hypertension	n (%)	4 (7.7)	3 (8.8)	1 (5.6)	0.962
Diabetes	n (%)	2 (3.8)	0 (0)	2 (11.1)	0.165
Current smoker	n (%)	18 (34.6)	12 (35.3)	6 (33.3)	0.570
Familiarity	n (%)	7 (13.5)	5 (14.7)	2(11.1)	0.718
History of CAD	n (%)	2 (3.8)	2 (5.9)	0 (0)	0.294
<b><i>Clinical presentation</i></b>					
Chest pain	n (%)	51 (98.1)	34 (100)	17 (94.4)	0.165
Fever	n (%)	33 (63.5)	23 (67.6)	10 (55.6)	0.389
Palpitation	n (%)	10 (19.2)	5 (14.7)	5 (27.8)	0.255
Dyspnea	n (%)	31 (59.6)	20 (58.8)	11 (61.1)	0.873
<b><i>ECG</i></b>					
ECG abnormalities	n (%)	41 (78.8)	27 (79.4)	14 (77.8)	0.728

Negative T-wave	n (%)	10 (19.2)	7 (20.6)	3 (16.7)	0.523
ST-elevation,	n (%)	34 (65.4)	22 (64.7)	12 (66.7)	1.0
<b><i>Laboratory testing</i></b>					
Leukocytes (10 <sup>3</sup> cells/ml),	median (IQR)	7.1 (3.4-11.8)	7.1 (2.9-10.7)	7.9 (4.1-12.3)	0.451
Troponine I peak ng/ml,	median (IQR)	1785.5 [742-8319.5]	1546 [832-8279]	3850 [426-8777.5]	0.773
CRP mg/dl,	median (IQR)	55 [28-73.5]	55.5 [23.5-76.7]	54 [34.2-65.5]	0.571

**Table S1 Supplementary Materials:** clinical characteristics of patient with myocarditis.

MY, acute myocarditis; LGE, late gadolinium enhancement; SD, standard deviation; CAD, coronary artery disease; IQR, interquartile range; CRP, C- reactive protein.

## **Supplementary Materials: baseline characteristics and clinical indication for CMR of control population**

### **Intra- and inter-observer reproducibility of CMR-FT and 2D TTE speckle tracking measurements:**

Intra-observer ( $r=0.85$ ,  $p<0.001$ /Mean difference 1.23% -95% levels of agreement— -18.12% to -21.71% ms) and inter-observer ( $r=0.91$ ,  $p<0.001$ /Mean difference 1.78% ms-95% levels of agreement— -19.01 to 23.71%) reproducibility for CMR RV FWS was excellent. Intra-observer ( $r=0.65$ ,  $p=0.003$ /Mean difference 1.23% -95% levels of agreement— -18.12% to -23.42% ms) and inter-observer ( $r=0.91$ ,  $p<0.001$ /Mean difference 1.78% ms-95% levels of agreement— -19.01 to 24.48%) reproducibility for CMR LV GLS was excellent. Intra-observer ( $r=0.71$ ,  $p=0.004$ /Mean difference 2.41% -95% levels of agreement— -16.22% to -24.41% ms) and inter-observer ( $r=0.84$ ,  $p=0.005$ /Mean difference 1.18% ms-95% levels of agreement— -17.14 to 22.42%) reproducibility for 2D TTE LV GLS was good.