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Table S1. Centers for Disease Control and Prevention criteria for clinical diagnosis of MIS-C [5]

Age	<21 years
Fever	≥38°C for ≥24 hours
	OR
	Subjective fever ≥24 hours
Clinical symptoms	— Severe illness (hospitalized) AND
	— ≥2 organ systems involved
Inflammation	Laboratory evidence of inflammation not limited to 1 or more of
	the following:
	↑CRP
	↑ESR
	†Fibrinogen
	†Procalcitonin
	↑D-dimer
	↑Ferritin
	↑LDH
	↑IL-6
	Neutrophilia
	Lymphopenia
	Hypoalbuminemia

Link to	Current or recent:
SARS-CoV-2	— Positive PCR
	— Positive serology
	— Positive antigen test
	OR
	— COVID-19 exposure within prior 4 weeks
Exclusion	Alternative diagnosis

Abbreviations: COVID-19, Coronavirus 2019; CRP, C-reactive protein; ESR, erythrocyte sedimentation rate; IL, interleukin; LDH, lactate dehydrogenase; PCR, polymerase chain reaction

Table S2. The clinical characteristic of the studied groups

	Cardiac	Non-cardiac	P-value
	dysfunction	dysfunction	
	group (n =	group (n = 46)	
	20)		
Age, months; median	86 (61–137)	74 (27–124)	0.16 ^a
Female, n	21 (46)	6 (30)	0.25 ^b
Fever before admission, days; median	5 (4–5)	4 (3–6)	0.52 ^a
Conjunctivitis (non-exudative), n	19 (95)	32 (77)	0.047 ^b
Rash (polymorphous non-vesicular), n	16 (80)	35 (78)	0.96 ^b
Mucosal involvement (erythema or fissures,	12 (63)	24 (53)	0.59 ^b
strawberry tongue), n			
Edema (or erythema of hands or feet), n	9 (45)	15 (35)	0.58 ^b
GI symptoms, n	18 (90)	35 (78)	0.32 ^b
Positive antibodies anti-SARS CoV-2, n	16 (80)	38 (86)	0.71 ^b
Positive SARS CoV-2 PCR test, n	2 (10)	5 (11)	1.0 ^b
		1	

Confirmed SARS CoV-2 infection in the	9 (45)	22 (49)	0.8^{b}
patient's past history or confirmed SARS			
CoV-2 infection in the family, n			

^aP-value for U Mann–Whitney test; ^bP value for Fisher exact test.

Data are presented as number (percentage) of patients or median (IQR).

Abbreviations: GI, IQR, interquartile range; SARS-CoV-2, severe acute respiratory syndrome coronavirus 2

Table S3. Comparison of selected laboratory results between the studied groups

	Cardiac	Non-cardiac	P-value ^a
	dysfunction group	dysfunction group	
	(n = 20)	(n = 46)	
CRP, mg/l	200 (155–239)	75 (50–174)	< 0.001
PCT, ng/ml	4.52 (3.1–24.37)	1.86 (0.47–3.03)	< 0.001
WBC, 10 ³ /ul	10.1 (6.3–13.1)	10.7 (7.9–13.3)	0.49
% neutrophiles	85 (78–88)	75 (59–87)	0.03
% lymphocytes	8.3 (6.4–14.8)	13.7 (8–30)	0.03
Albumin, g/l	29.4 (25.2–33)	34.7 (30.3–38.7)	< 0.001
Serum Na, mmol/l	131 (129–134)	135 (132–138)	0.003
Troponin T, ng/l	22.1 (11.4–34.6)	8.5 (5.4–20.8)	0.06
NT proBNP, pg/ml	8169 (3159–15917)	2115 (670–5049)	< 0.001
Ferritin	396 (173–773)	238 (109–426)	0.1
D-dimer	2.49 (1.09–3.64)	1.42 (0.71–2.58)	0.07
Fibrinogen	4.77 (3.88–6.01)	5.37 (4.51–6.29)	0.25

^a*P*-value for U Mann–Whitney test.

Data are presented as median and interquartile range (IQR).

Abbreviations: CRP, C-reactive protein; NT-proBNP, N-terminal pro brain natriuretic peptide; PCT, procalcitonin; WBC, white blood cells