

Supplementary Table S2. Details of the 12 cases of multisystem inflammatory syndrome in children (MIS-C) diagnosed KK Women's and Children's Hospital from October 2021 to December 2021

Patient	Case #1	Case #2	Case #3	Case #4	Case #5	Case #6	Case #7	Case #8	Case #9	Case #10	Case #11	Case #12
Age	8	4	0.5	10	11	11	4	4	9	7	3	8
Sex	Male	Male	Female	Male	Male	Female	Female	Male	Male	Male	Male	Female
Race	Indian	Malay	Malay	Chinese	Chinese	Malay	Indian	Chinese	Indian	Chinese	Malay	Malay
Weight	36kg	24kg	4kg	35kg	48kg	29kg	23kg	16kg	35kg	23kg	14kg	28kg
Presenting symptoms	Fever, vomiting, bilateral eye redness	Fever, vomiting, abdominal pain, cough, lower limb pain	Fever, rash, red eyes, slightly swollen hands, more tired	Fever, abdominal pain, vomiting, diarrhoea, cough	Fever, rash, red eyes, right knee pain	Fever, vomiting, diarrhoea, red eyes, headache, chest pain	Fever, vomiting, diarrhoea, red eyes, red lips, head ache	Fever, cough, runny nose, eyelid swelling, rash, diarrhoea	Fever, abdominal pain, vomiting, diarrhoea, left neck swelling, sore throat, seizures prior to admission	Fever, abdominal pain, vomiting, rashes, red eyes, red lips, body aches	Fever, left eye swelling and redness	Fever, bilateral non suppurative conjunctivitis, erythematous dots over hands and orbital region, cough, headache
Examination findings	Bilateral non-suppurative conjunctivitis, red lips and tongue, swollen extremities, cervical lymphadenopathy	Bilateral non-suppurative conjunctivitis, red lips, maculopapular rash, swollen extremities	Bilateral non-suppurative conjunctivitis, maculopapular rash, swollen extremities, erythematous BCG site	Bilateral non-suppurative conjunctivitis, cracked lips, red tongue, erythematous macular rashes over palms and soles, swollen extremities	Bilateral non-suppurative conjunctivitis, slightly red lips with strawberry tongue, maculopapular rash, left cervical lymphadenopathy	Bilateral non-suppurative conjunctivitis	Bilateral non-suppurative conjunctivitis, red lips, bilateral cervical lymphadenopathy	Bilateral eye lid erythaema and swelling, bilateral non-suppurative conjunctivitis, red lips, erythaema multiforme rash	Bilateral non-suppurative conjunctivitis, red lips, large left cervical lymphadenopathy	Bilateral non-suppurative conjunctivitis, erythematous eyelids, red lips, palmar rash, swollen extremities, right cervical lymphadenopathy	Bilateral periorbital edema, left conjunctivitis, mildly erythematous extremities	Bilateral non-suppurative conjunctivitis, erythematous dots over hands and orbital region
Interval from COVID-19 infection to MIS-C onset	22 days	35 days	19 days	28 days	7 days	22 days	23 days	34 days	27 days	22 days	28 days	34 days
System involvement												
Shock	Y	Y	N	Y	N	Y	N	Y	Y	N	N	N
Cardiovascular	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y
Echocardiogram findings during acute MIS-C (D: day of illness performed)	D5: normal	D4 and D10: dilated left anterior descending coronary artery	Not done	D5: mildly dilated right coronary artery	D7: normal	D3: low normal left ventricular systolic function	D10: normal	D7: mildly reduced left ventricular function;	D10: low normal left ventricular function	D6: low normal biventricular function, mild left	D6: dilated left ventricle	D5: small aneurysm on left descending

								resolved on D10		ventricular dilatation		coronary artery
Ejection fraction (M-mode, %)	73	67	-	62	74	58	74	52	53	53	79	70
NT-ProBNP (pg/mL)	3176	33848	Not done	Not done	289	2154	773	17043	2232	13314	2885	156
Troponin (ng/L)	22	114	Not done	34	<10	218	11	130	<10	583	<10	<10
Gastrointestinal	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	Y
Mucocutaneous/KD features	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Neurology	N	N	Y: aseptic meningitis	N	N	Y: headache	Y: headache	N	Y: seizure	N	N	Y: headache
Haematology	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, lymphopaenia	Y: coagulopathy, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia	Y: coagulopathy, thrombocytopenia, lymphopaenia
Respiratory	Y: required O ₂	Y: intubated	N	Y: tachypnoea, small pleural effusions	N	N	N	Y: required O ₂	N	N	N	N
Renal	N	Y	N	N	Y	Y	N	Y	N	N	N	N
Inflammatory markers (maximum) during acute MIS-C												
CRP (mg/L)	131.30	341.40	56.90	190.80	99.10	79.70	137.40	134.60	184.00	250.60	153.90	66.80
ESR (mm/h)	62.00	21.00	95.00	28.00	Not done	>145.00	Not done	55.00	>145.00	56.00	74.00	42.00
Procalcitonin (µg/L)	3.26	2.21	0.08	25.61	0.81	18.71	0.83	20.43	1.57	73.83	6.11	0.89
Ferritin (µg/L)	846.60	9129.50	419.70	3179.10	350.70	1747.30	306.90	341.40	244.30	3607.60	609.40	521.80
LDH (U/L)	212.00	652.00	460.00	414.00	280.00	470.00	396.00	241.00	508.00	439.00	426.00	332.00
Clinical course												
ICU admission	Y	Y	N	Y	N	Y	N	Y	Y	N	N	N
Fluid bolus, inotropes, intubated	Y, Y, N	Y, Y, Y	N, N, N	Y, Y, N	N, N, N	Y, Y, N	N, N, N	Y, N, N	Y, N, N	N, N, N	N, N, N	N, N, N
Length of ICU stay (days)	3	9	-	3	-	3	-	3	3	-	-	-
Treatment received												
IVIg	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Steroids, biologics	IV methyl-prednisolone 1g x 3 days, then	IV methyl-prednisolone 720mg x 5 days, then 24mg Q12H x 6 days,	None	IV methyl-prednisolone 1g x 3 days and then 30mg Q12H x 2 days,	IV methyl-prednisolone 30mg Q12H x 4 days, then PO	IV methyl-prednisolone 30mg Q12H x 5 days, then PO	IV methyl-prednisolone 23mg Q12H x 3 days, then PO	IV methyl-prednisolone 500mg x 3 days, then PO	IV methyl-prednisolone 1g x 3 days, then	IV methyl-prednisolone 25mg Q12H x 3 days, then	IV methyl-prednisolone 14mg Q12H x 2 days, then IV	IV methyl-prednisolone 28mg Q12H x 3 days, then

	prednisolone 30mg BD	then prednisolone 24mg BD and subcutaneous Anakinra		then prednisolone 30mg BD	prednisolone 30mg Q12H	prednisolone 30mg BD	prednisolone 23mg BD	prednisolone 16mg BD	prednisolone 30mg BD	prednisolone 24mg BD	methylprednisolone 430mg x 3 days, then prednisolone 14mg BD	prednisolone 28mg BD
Antiplatelet, anticoagulation prophylaxis	Aspirin	Aspirin, enoxaparin	Aspirin	Aspirin, enoxaparin	Aspirin	Aspirin, enoxaparin	Aspirin	Aspirin, enoxaparin	Aspirin	Aspirin & clopidogrel, enoxaparin	Aspirin & clopidogrel, enoxaparin	Aspirin
Outcome												
Survived	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Total length of stay (days)	7	16	6	10	6	5	4	6	6	5	9	3
Outpatient echocardiogram (D: day of illness performed)	D18, D60, D286: all normal	D42, D73, D164: all normal	D18, D60: both normal	D98: normal	D50, D218: both showed mildly dilated left anterior descending coronary artery	D14, D62: both normal	D55: normal	D22: mildly right dilated coronary artery; resolved on D52	D17, D59, D227: all normal	D14, D56, D224: all normal	D16: normal	D14, D51, D205: all normal

BCG: Bacillus Calmette-Guerin vaccine; BD: twice daily; CRP: C-reactive protein; ESR: erythrocyte sedimentation rate; ICU: intensive care unit; IQR: interquartile range; IV: intravenous; IVIg: intravenous immunoglobulin; KD: Kawasaki disease; LDH: Lactate dehydrogenase; LOS: length of stay; N: no; NT-proBNP: N-terminal pro-B-type natriuretic peptide; O₂: oxygen; PO: by mouth; QXH: every X hours; Y: yes