



BLANK CHILDREN'S HOSPITAL

ED Pathway: Multisystem Inflammatory Syndrome in Children (MIS-C)

Fever ≥ 3 days AND one or more of the following:
GI symptoms, Rash, Conjunctivitis, Oral changes, Cough, Chest Pain,
Headache/Irritability, Altered Mental Status, Extremity Swelling,
Lymphadenopathy
OR
Fever ≥ 4 days and no obvious source

UNSTABLE with signs of shock

STABLE

- Initiate fluid resuscitation and sepsis eval/treatment
- Monitor for signs of cardiac dysfunction
- Obtain labs to right
- Early antibiotics if concern for sepsis
- If concern for DIC add: fibrinogen, coags, d-dimer
- Other labs if able: LDH, troponin, BNP, CPK, triglycerides
- Early PICU admission

LABS /TESTS/IMAGING/TREATMENT

CBC	COVID PCR	ESR
CMP	Blood Culture	Lactate
CRP	UA/UC	EKG (if chest pain)
Procalcitonin	Resp. Film Array	CXR

- Add pictures of any rash to Epic
- Maintain isolation per protocol

STABLE, without obvious source of infection, but any one of the following labs **ABNORMAL**:

- CRP > 3**
- ESR > 40**
- Procalcitonin > 1**

STABLE and labs **NORMAL**

Continue care as usual
Ensure follow-up with PCP within 24 hours

Admit to FLOOR

CDC Case Definition for Multisystem Inflammatory Syndrome in Children (MIS-C) (accessed 5/22/20)

- An individual aged <21 years presenting with feverⁱ, laboratory evidence of inflammationⁱⁱ, and evidence of clinically severe illness requiring hospitalization, with multisystem (≥ 2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic or neurological); **AND**
- No alternative plausible diagnoses; **AND**
- Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or COVID-19 exposure within the 4 weeks prior to the onset of symptoms

ⁱFever $\geq 38.0^{\circ}\text{C}$ for ≥ 24 hours, or report of subjective fever lasting ≥ 24 hours

ⁱⁱIncluding, but not limited to, one or more of the following: an elevated C-reactive protein (CRP), erythrocyte sedimentation rate (ESR), fibrinogen, procalcitonin, d-dimer, ferritin, lactic acid dehydrogenase (LDH), or interleukin 6 (IL-6), elevated neutrophils, reduced lymphocytes and low albumin

Additional comments

- Some individuals may fulfill full or partial criteria for Kawasaki disease but should be reported if they meet the case definition for MIS-C
- Consider MIS-C in any pediatric death with evidence of SARS-CoV-2 infection