

MIS-C

Multisystem Inflammatory Syndrome in Children

Outpatient Quick Reference

Multisystem Inflammatory Syndrome in Children (MIS-C) is a newly recognized inflammatory syndrome presenting in pediatric patients, associated with current or recent SARS-CoV-2 infection. Much is still unknown, but we do know that children present with prolonged or persistent fever and a constellation of variable symptoms, along with many markers of significant inflammation. They are at high risk for cardiovascular collapse. This document accompanies the MIS-C protocol and is designed to be a quick reference guide when initiating evaluation of these patients in the outpatient setting.

Initial evaluation criteria

T \geq 38.5C for at least 3 days, plus 2 or more concerning signs/symptoms

No other etiology identified

Concerning signs and symptoms

- Persistent fever \geq 38.5C
- Nausea, vomiting, diarrhea, abdominal pain (may mimic appendicitis)
- Rash
- Conjunctivitis
- Oral mucosal changes
- Headache, irritability
- Cough, shortness of breath
- Sore throat
- Chest pain
- Extremity swelling
- Lymphadenopathy

Initial lab testing and thresholds of concern:

- Absolute Lymphocyte Count $<$ 0.5 k/uL
- Albumin $<$ 2 g/dL
- CRP $>$ 10 mg/dL
- High Sensitivity Troponin $>$ 30 pg/mL
- Ferritin $>$ 350 ng/mL

Note: Work-up of alternative diagnoses should be concurrent with initial MIS-C evaluation

To order labs:

If patient is being seen at a Michigan Medicine clinic:

- Place STAT order for Initial Labs in MiChart
- Labs are drawn per usual procedures for PUI in clinic

If patient does not have an appointment (eg, telehealth visit or at an outside office):

- Place STAT order for Initial Labs in MiChart, or have patient bring in lab requisition
- Direct patient to own clinic site or one of the lab/clinics below—there is no need to call first
 - When patients arrive, they will be screened at the door.
 - Family should inform the screener: "My child has a fever, and my pediatrician has ordered labs."
 - Clinic staff will take the patient to a respiratory isolation space with appropriate PPE.

Brighton Health Center

8001 Challis Road

Brighton, MI 48116

810-227-9510

Mon-Thurs: 7am-7pm

Fri: 7am-5pm

Sat: 8am-12 noon

Canton Health Center

1051 N. Canton Center Road

Canton, MI 48187

734-844-5400

Mon-Thurs: 7:30am-7:30pm

Fri: 7:30am-5pm

Sat: 8am-12 noon

West Ann Arbor

380 Parkland Plaza

Ann Arbor, MI 48103

734-998-7370

Mon-Thurs: 7am-7pm

Fri: 7am-5pm

Sat: 8am-12 noon

