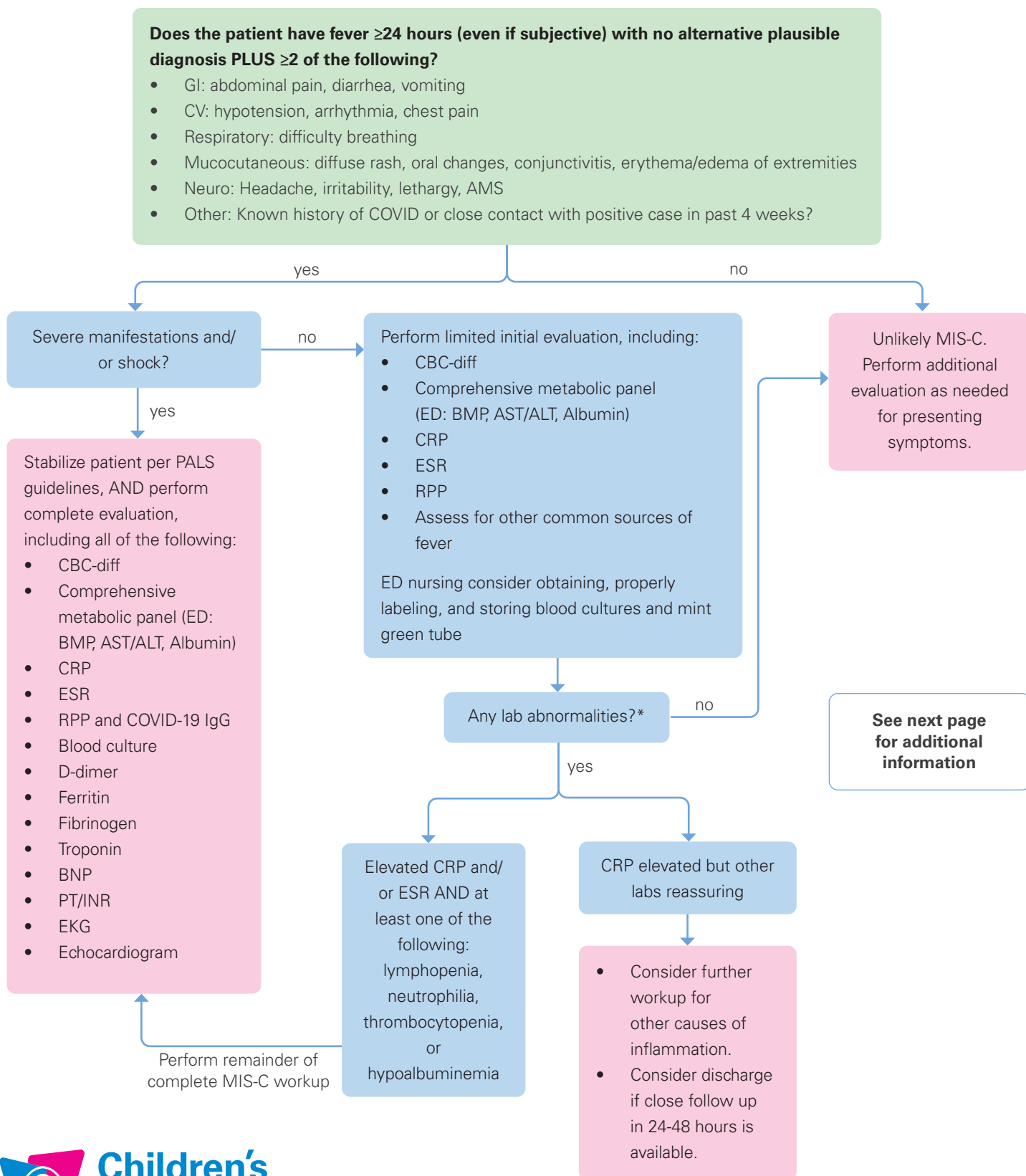


Clinical Guideline


 This guideline should not replace clinical judgment.

Multisystem Inflammatory Syndrome in Children (MIS-C)

Pediatric Emergency Medicine, Inpatient Pediatrics and General Pediatrics



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Multisystem Inflammatory Syndrome in Children (MIS-C)

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CDC MIS-C definition:

- Any individual aged <21 years presenting with:
- Fever $\geq 38.0^{\circ}\text{C}$ lasting ≥ 24 hours OR report of subjective fever for ≥ 24 hours
- Laboratory evidence of inflammation
- Evidence of clinically severe illness requiring hospitalization with ≥ 2 of the following systems involved: cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic, or neurologic

AND

No alternative plausible diagnoses

AND

Positive for current or recent SARS-CoV-2 infection by RT-PCR/serology/antigen test OR exposure to a suspected or confirmed COVID-19 case within 4 weeks prior to symptom onset. (Note: need not have been symptomatic from initial infection)

*Common lab abnormalities:

- CRP $\geq 3\text{mg/dL}$
- ESR $\geq 40\text{ mm/hr}$
- ALT $\geq 40\text{ U/L}$
- Albumin $\leq 3.0\text{g/dL}$
- D-dimer $>0.55\text{mg/L}$
- BNP $>400\text{pg/mL}$
- Elevated troponin
- Sodium $<135\text{mEq/L}$
- Platelet count $<150/\text{mm}^3$
- Absolute lymphocyte count <1500
- Absolute neutrophil count >7700
- Ferritin $>500\text{ng/mL}$
- Fibrinogen $>400\text{mg/dL}$
- INR >1.1

When to consult in a patient with suspected MIS-C:

- Cardiology: abnormal troponins, BNP, EKG, or echo
- Infectious diseases: if patient meets MIS-C criteria based on CDC definition after complete workup

Consider hospital admission if any of the following:

- Abnormal vital signs (tachycardia, tachypnea)
- Respiratory distress
- Neurologic deficits/AMS
- Evidence of renal/hepatic injury
- CRP $>10\text{mg/dL}$
- Abnormal EKG, BNP, or troponins

Multisystem Inflammatory Syndrome (MIS-C) Guideline

Executive Summary

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Approved (January 2021)

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Example:

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