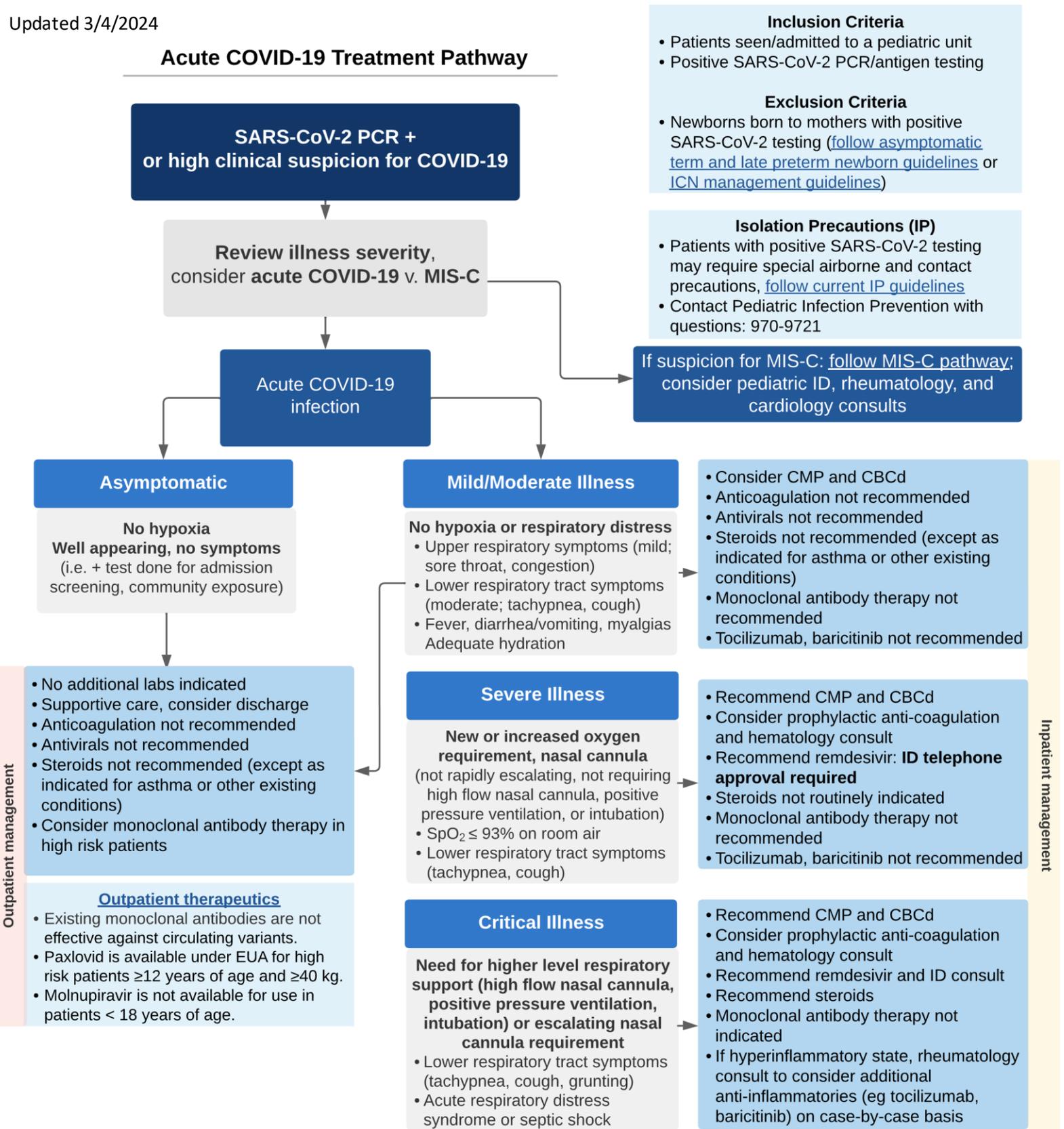


Acute COVID-19 Treatment Pathway



Inclusion Criteria

- Patients seen/admitted to a pediatric unit
- Positive SARS-CoV-2 PCR/antigen testing

Exclusion Criteria

- Newborns born to mothers with positive SARS-CoV-2 testing ([follow asymptomatic term and late preterm newborn guidelines](#) or [ICN management guidelines](#))

Isolation Precautions (IP)

- Patients with positive SARS-CoV-2 testing may require special airborne and contact precautions, [follow current IP guidelines](#)
- Contact Pediatric Infection Prevention with questions: 970-9721

If suspicion for MIS-C: [follow MIS-C pathway](#); consider pediatric ID, rheumatology, and cardiology consults

Asymptomatic

No hypoxia
Well appearing, no symptoms
(i.e. + test done for admission screening, community exposure)

Outpatient management

- No additional labs indicated
- Supportive care, consider discharge
- Anticoagulation not recommended
- Antivirals not recommended
- Steroids not recommended (except as indicated for asthma or other existing conditions)
- Consider monoclonal antibody therapy in high risk patients

Outpatient therapeutics

- Existing monoclonal antibodies are not effective against circulating variants.
- Paxlovid is available under EUA for high risk patients ≥ 12 years of age and ≥ 40 kg.
- Molnupiravir is not available for use in patients < 18 years of age.

Mild/Moderate Illness

No hypoxia or respiratory distress

- Upper respiratory symptoms (mild; sore throat, congestion)
- Lower respiratory tract symptoms (moderate; tachypnea, cough)
- Fever, diarrhea/vomiting, myalgias

Adequate hydration

- Consider CMP and CBCd
- Anticoagulation not recommended
- Antivirals not recommended
- Steroids not recommended (except as indicated for asthma or other existing conditions)
- Monoclonal antibody therapy not recommended
- Tocilizumab, baricitinib not recommended

Severe Illness

New or increased oxygen requirement, nasal cannula
(not rapidly escalating, not requiring high flow nasal cannula, positive pressure ventilation, or intubation)

- SpO₂ \leq 93% on room air
- Lower respiratory tract symptoms (tachypnea, cough)

- Recommend CMP and CBCd
- Consider prophylactic anti-coagulation and hematology consult
- Recommend remdesivir: **ID telephone approval required**
- Steroids not routinely indicated
- Monoclonal antibody therapy not recommended
- Tocilizumab, baricitinib not recommended

Critical Illness

Need for higher level respiratory support (high flow nasal cannula, positive pressure ventilation, intubation) or escalating nasal cannula requirement

- Lower respiratory tract symptoms (tachypnea, cough, grunting)
- Acute respiratory distress syndrome or septic shock

- Recommend CMP and CBCd
- Consider prophylactic anti-coagulation and hematology consult
- Recommend remdesivir and ID consult
- Recommend steroids
- Monoclonal antibody therapy not indicated
- If hyperinflammatory state, rheumatology consult to consider additional anti-inflammatories (eg tocilizumab, baricitinib) on case-by-case basis

Remdesivir

FDA approved for ≥ 28 days and ≥ 3 kg; available on case-by-base basis for younger or smaller infants

- < 40 kg: 5 mg/kg IV x1, then 2.5 mg/kg IV daily
- ≥ 40 kg: 200mg IV x1, then 100mg IV daily
- Duration of therapy is 5 days, **requires Pediatric ID telephone approval**
- Consult Pediatric ID for neonatal dosing if infant is < 3 kg
- Daily CMP required; ALT must be $< 5x$ upper limit of normal to start therapy; therapy must be discontinued if ALT rises $> 5x$

Steroids

Dexamethasone (preferred)

- < 40 kg: 0.15 mg/kg PO/IV daily
- > 40 kg: 6 mg PO/IV daily
- Duration of therapy is 10 days

Alternatives:

- Prednisolone 1 mg/kg daily (40 mg max)
- Methylprednisolone 0.8 mg/kg daily (32 mg max)