## Ontario COVID-19 Drugs and Biologics Clinical Practice Guidelines Working Group **Therapeutic Management of Adult Patients with COVID-19**

Recommendations apply to patients >18 years of age. Recommendations are based on the best available data and may change as additional data becomes available. Science Briefs can be found on the Ontario COVID-19 Science Advisory Table website.

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SEVERITY OF ILLINESS	RECOMMENDATIONS	
<text></text>	<ul> <li>Dexamethasone 6 mg PO/IV daily for 10 days (or until discharge if sooner) is recommended.</li> <li><u>Tocilizumab</u> is recommended for patients who are on recommended doses of dexamethasone therapy (or a dose-equivalent corticosteroid) AND are within 14 days of hospital admission (or within 14 days of a new COVID-19 diagnosis if the infection was nosocomially acquired).</li> <li>In <u>drug shortage situations, a single dose of tocilizumab</u> 400 mg IV or <u>sarilumab</u> 400 mg IV should be used for all eligible patients. A second dose of tocilizumab or sarilumab should not be given to any patient.</li> <li><u>Baricitinib</u> 4 mg PO/NG daily for 14 days (or until discharge if sooner) may be considered in patients who are on recommended doses of dexamethasone therapy (or a dose-equivalent corticosteroid) or who have a contraindication to corticosteroid treatment. The panel does not recommend combined use of baricitinib and IL-6 inhibitors due to absence of safety and efficacy evidence.</li> </ul>	<ul> <li>Prophylactic dose low mol These patients should not separate indication for this</li> <li><u>Remdesivir</u> is not recomme <u>Remdesivir</u> 200 mg IV on d patients requiring high-flow or non-invasive mechanica</li> <li><u>SARS-CoV-2 neutralizing an</u> For symptomatic inpatients for sotrovimab.</li> <li>Bacterial co-infection is une Do not add <u>empiric antibio</u> suspected. Continue empir basis of microbiology result</li> </ul>
<b>Moderately III Patients</b> Patients newly requiring low-flow supplemental oxygen	<ul> <li>Dexamethasone 6 mg PO/IV daily for 10 days (or until discharge if sooner) is recommended. If patients are discharged with home-based oxygen therapy, dexamethasone 6 mg PO daily until oxygen is no longer required (for a maximum of 10 days) may be considered.</li> <li>Remdesivir 200 mg IV on day 1, then 100 mg IV daily for 4 days is recommended.</li> <li>Therapeutic dose anticoagulation may be considered over prophylactic dose anticoagulation in patients who are felt to be at low risk of bleeding.</li> <li>All other patients should receive prophylactic dose anticoagulation.</li> <li>SARS-CoV-2 neutralizing antibodies are not recommended for moderately ill patients. For symptomatic inpatients with nosocomial infection, see mildly ill recommendations below for sotrovimab.</li> </ul>	<ul> <li>Tocilizumab is recommended defined as a serum CRP of the defined as a serum case.</li> </ul>
<b>Mildly III Patients</b> Patients who do not require         new or additional supplemental         oxygen from their baseline status	<ul> <li>Sotrovimab 500 mg IV x 1 dose is recommended for mildly ill patients who present within 7 days of symptom onset and meet any one of the following criteria:</li> <li>Symptomatic residents of long-term care facilities, retirement homes, and other congregate care living settings</li> <li>Symptomatic inpatients with nosocomial infection</li> <li>High-risk patients: (a) ≥70 years of age AND have at least one additional risk factor; or (b) ≥50 years of age AND First Nations, Inuit, or Métis, AND have at least one additional risk factor (e.g., obesity (BMI ≥30), dialysis or stage 5 kidney disease (eGFR &lt;15 mL/min/1.73 m²), diabetes, cerebral palsy, intellectual disability of any severity, sickle cell disease, receiving active cancer treatment, solid organ or stem cell transplant recipients)</li> <li>Sotrovimab may be considered in patients who do not meet the above criteria if they present within 7 days of symptom onset and if, in the opinion of a physician, they have other important risk factors for disease progression (e.g., immunosuppression, receipt of immunosuppressants). Previous SARS-CoV-2 infection and vaccination status do not need to be considered. Serologic testing does not need to be done.</li> </ul>	<ul> <li>Budesonide 800 mcg inhal high-risk outpatients (as definition on very low certainty evided treatment options with a recases due to the Omicron vis important to avoid any site.</li> <li>There is currently insufficient of the following therapies are series of the options of the series of the se</li></ul>

is recommended that monocional antibody therapy be administered to non-nosp individuals across Ontario using a hybrid network that includes, but is not limited to, mobile integrated healthcare services, community paramedicine, and outpatient infusion clinics.



lecular weight or unfractionated heparin is recommended. receive therapeutic dose anticoagulation unless they have a treatment.

nended for patients receiving mechanical ventilation. lay 1, then 100 mg IV daily for 4 days may be considered in w oxygen (i.e., oxygen by mask, oxygen by high-flow nasal cannula, l ventilation).

ntibodies are not recommended for critically ill patients. s with nosocomial infection, see mildly ill recommendations below

common in COVID-19 pneumonia at presentation. otics for bacterial pneumonia unless bacterial infection is strongly ric antibiotics for no more than 5 days, and de-escalate on the Its and clinical judgment.

ed for patients who have evidence of systemic inflammation, 75 mg/L or higher, AND have evidence of disease progression ventilatory requirements) despite 24-48 hours of recommended herapy (or a dose-equivalent corticosteroid), AND are within ion (or within 14 days of a new COVID-19 diagnosis if the infection

ions, a single dose of <u>tocilizumab</u> 400 mg IV or <u>sarilumab</u> 400 mg l eligible patients. A second dose of tocilizumab or sarilumab any patient.

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led twice daily for 14 days **may be considered** for symptomatic scribed under sotrovimab recommendation for mildly ill patients).

ily titrated up to 100 mg PO TID for 15 days may be considered for g within 7 days of symptom onset. This recommendation is based ence of reduction in hospitalization, and the need for outpatient easonable safety profile during an anticipated spike in COVID-19 variant. Pharmacist consultation and outpatient provider follow-up ignificant adverse drug interactions with fluvoxamine.

## **CURRENTLY NOT** RECOMMENDED

There is insufficient evidence to support the use of the following therapies in the treatment of COVID-19 outside of clinical trials or where other indications would justify its use:

- <u>Colchicine</u>
- Interferon (with or without  $\bullet$ lopinavir-ritonavir and ribavirin)
- Vitamin D

## RECOMMENDED AGAINST

The following therapies are not recommended for treatment of COVID-19 due to lack of benefit, potential harm, and system implications of overuse:

- Antibiotics (azithromycin)
- Casirivimab-imdevimab due to lack of neutralizing activity against the Omicron variant
- <u>Hydroxychloroquine</u> or <u>chloroquine</u>
- <u>Ivermectin</u>
- Lopinavir/ritonavir

ent evidence to make a recommendation around anticoagulation for mildly ill patients.

e **not recommended** in mildly ill patients: dexamethasone, remdesivir, tocilizumab, and baricitinib.

Click here for dosing and pharmacologic considerations for medications approved or under investigation for COVID-19