



Recommendations in this document apply to patients >18 years of age. For recommendations in special populations, refer to the [complete guidelines](#).

Last updated on October 22, 2020



There is emerging evidence to guide antiviral management for ill patients with COVID-19.



The guidelines recommend that infectious diseases consultation (where available) be obtained before any investigational treatment is offered to a patient with COVID-19 outside of a clinical trial, and that informed consent be obtained from the patient or substitute decision-maker.

SEVERITY OF ILLNESS

ANTIVIRAL

IMMUNOMODULATORY

ANTIBACTERIAL

Critically Ill Patients

Hospitalized, ICU-based

Patients requiring ventilatory and/or circulatory support; also includes patients requiring high-flow nasal cannula, non-invasive ventilation, or higher concentrations of oxygen by mask

- ▶ **Remdesivir**: It is **not recommended** to initiate remdesivir for patients on ECMO or receiving mechanical ventilation outside of a clinical trial. **No recommendation can be made** on the initiation of remdesivir in those on high-flow nasal cannula, non-invasive ventilation, or higher concentrations of oxygen by mask. (Reason: lack of consensus)
- ▶ **Chloroquine** or **hydroxychloroquine** is **not** recommended for treatment of COVID-19
- ▶ **Lopinavir/ritonavir** is **not** recommended for treatment of COVID-19

- ▶ **Dexamethasone** 6 mg PO/IV daily x 10 days (or until discharge if sooner) is **recommended** for critically ill patients
- ▶ **Tocilizumab** (IL-6 inhibitor) should **not** be offered routinely outside of clinical trials; may be considered on an individual basis in patients with cytokine storm (with expert consultation)
- ▶ **COVID-19 convalescent plasma** is currently **unavailable** in Canada in critically ill patients and is unavailable outside of clinical trials
- ▶ **Interferon** (with or without combination of lopinavir-ritonavir and ribavirin) is **not** recommended outside of clinical trials

- ▶ **Ceftriaxone** 1 g IV q24h x 5 days is recommended if there is concern for bacterial co-infection (Alternative for severe beta-lactam hypersensitivity: levofloxacin 750 mg IV or moxifloxacin 400 mg IV q24h x 5 days)
- ▶ Add azithromycin 500 mg IV q24h x 5 days to ceftriaxone empiric therapy if *Legionella* infection is suspected (azithromycin is not needed if empiric therapy is levofloxacin or moxifloxacin)
- ▶ De-escalate on the basis of microbiology results and clinical judgment

Moderately Ill Patients

Hospitalized, ward-based

Patients requiring low-flow supplemental oxygen

- ▶ **Remdesivir** 200 mg IV loading on Day 1, then 100 mg IV daily x 4 days or until discharge (whichever comes first) **can be considered** for **moderately ill** patients. **Preference should be given** to enrolling in eligible clinical trials evaluating remdesivir.

- ▶ **Dexamethasone** 6 mg PO/IV daily x 10 days (or until discharge if sooner) is **recommended** for **moderately ill** patients

- ▶ Antibacterial therapy is **not** routinely recommended outside of clinical trials or where other indications would justify its use

- ▶ **Chloroquine** or **hydroxychloroquine** (with or without azithromycin) is **not** recommended for treatment of COVID-19

- ▶ **Tocilizumab** is **not** recommended outside of clinical trials
- ▶ **COVID-19 convalescent plasma** is **not** recommended outside of clinical trials (*unavailable outside of clinical trials*)

- ▶ **Lopinavir/ritonavir** is **not** recommended for treatment of COVID-19

- ▶ **Interferon** (with or without combination of lopinavir-ritonavir and ribavirin) is **not** recommended outside of clinical trials

- ▶ **Remdesivir** is **not** recommended for **mildly ill** patients outside of a clinical trial.

- ▶ **Dexamethasone** is **not** recommended for **mildly ill** patients



Click here for dosing and pharmacologic considerations for medications under investigation