

COVID-19 Therapeutic Guidance

Remdesvir

Inclusion Criteria:

Lab confirmed COVID and severe disease as characterized by one of the following Spo2 less than 94% on ra, requiring supplemental oxygen or Mechanical ventilation or ECMO

The suggested adult dose is 200 mg intravenously on day 1 followed by 100 mg daily for 10 days total in patients on mechanical ventilation or ECMO and 5 days total in other patients (with extension to 10 days if there is no clinical improvement)

Exclusion criteria:

- GFR < 30 ml/ min
- ALT > 5 times upper limit of normal
- Onset of symptoms more than 10 days
- Mechanical ventilation > 72 hours
- Imminent risk of death
- Clinical improvement with improved oxygenation in the absence of therapy

Convalescent plasma

Potential benefit of Convalescent plasma appears most likely with administration early in the course of severe disease, when virus replication appears to be greatest (ie, prior to the need for intubation).

Patient eligibility

- Must have COVID + with severe disease
- Must be with in 7 days of symptom onset
- Must require more than 4 lit of NC oxygen to maintain spo2> 92%

Exclusion criteria

- Rapid improvement and expected to be discharged from the hospital in 48 hours
- * Some Institutions consider giving plasma for life threatening disease as defined as one or more of the following, Respiratory failure, MODS, Septic shock requiring vasopressor

Informed consent need to be obtained by the patient or family members

Follow similar protocols as any blood product administration for plasma.

One unit of plasma is 200 ml and can run in 2-3 hours.
Recommendation is to give just one unit of plasma
Based on literature search adverse reactions for appropriately
matched plasma is less than 1%. Benefits outweigh the risks
in Pandemic situation

<u>Dexamethasone</u>

Dexamethasone recommended for severely ill patients who are on supplemental oxygen or ventilatory support.

Dexamethhasone 6 mg IV or PO daily for 10 days or until discharge, whichever is shorter

In contrast, we recommend that dexamethasone (or other glucocorticoids) not be used for either prevention or treatment of mild to moderate COVID-19 (patients not on oxygen).



COVID 19 Convalescent Plasma Donor Eligibility

1. Must meet criteria to donate blood. 2. Recovered from COVID-19 and has to be asymptomatic for 14 days with definite positive test. 3. ELISA titer antibody greater than 1:320 4. ABO Compatibility should be checked (A+donor is universal donor for plasma)5. Once antibody is present the donor can donate 8 times in 3 months.