

AIIMS, New Delhi **INTERIM CLINICAL GUIDANCE FOR MANAGEMENT OF COVID-19 (Version 1.5)** 8th September 2020 **COVID-19 patient** Severe disease Moderate disease Mild disease Upper respiratory tract symptoms Any one of: Any one of: (&/or fever) WITHOUT shortness 1. Respiratory rate > 30 /min 1. Respiratory rate > 24 /min 2. SpO2 < 90% on room air of breath or hypoxia 2. SpO2 < 94% on room air **ADMIT IN WARD** ADMIT IN ICU **Home Isolation** Oxygen Support: **Respiratory support** Target SpO₂: 92-96% (88-92% in patients with COPD) Consider use of HFNC in patients with increasing oxygen Preferred devices for oxygenation: non-rebreathing face requirement if work of breathing is LOW Contact & droplet precautions, A cautious trial of NIV with helmet interface (if available mask strict hand hygiene otherwise face mask interface)/CPAP with oro-nasal mask Awake proning may be used in those with persistent Intubation should be prioritized in patients with high work of hypoxia despite use of high-flow oxygen (sequential Symptomatic management breathing /if NIV is not tolerated ^^ position changes every 1-2 hours) Use conventional ARDSnet protocol for ventilatory Antiviral therapy management Inj Remdesivir 200 mg Iv on day 1 f/b 100 mg IV daily for 5 HCQ may be considered in Antiviral therapy days patients with high-risk factors of Antiviral agents are less likely to be beneficial at this stage; use OR severe disease* (an ECG should be of Remdesivir to be decided on case to case basis HCQ 400 mg BD for 1-day f/b 400 mg OD for next 4 days done prior to its use in patients

Convalescent plasma may be considered on case to case

Inj Methylprednisolone 0.5 to 1 mg/kg (or equivalent dose

of dexamethasone) IV in two divided doses for 5 to 10 days

Prophylactic dose of UFH or LMWH## (weight based e.g.,

Anti-inflammatory or immunomodulatory therapy

Work of breathing

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Hemodynamic instability

Change in oxygen requirement

Follow CRP, D-dimer, Trop I, coagulation parameters &

Ferritin every 72 hourly (if available); CBC w/diff & KFT/LFT

enoxaparin 0.5mg/kg per day SC)

Monitor clinically for:

0

0

0

dailv

basis

Anticoagulation

Monitoring

Anti-inflammatory or immunomodulatory therapy

- Inj Methylprednisolone 1 to 2mg/kg in 2 divided doses for 5 to 10 days (or equivalent dose of dexamethasone)
- Tocilizumab may be considered on a case to case basis after shared decision making

Anticoagulation

Consider high-dose prophylactic UFH or LMWH (e.g., Enoxaparin 40 mg or 0.5mg/kg BD SC), if not at high risk of bleeding##

Supportive measures

- Maintain euvolemia (if available, use dynamic measures for assessing fluid responsiveness)
- If sepsis/septic shock: manage as per existing protocol and AIIMS antibiogram
- Use sedation and nutrition therapy as per existing guidelines

After clinical Improvement discharge

as per revised discharge criteria

*High-risk for severe disease Age > 60 years

- Cardiovascular disease including hypertension and CAD
- DM and other immunocompromised states
- Chronic lung/kidney/liver disease Cerebrovascular disease

with underlying CVD)

Difficulty in breathing

monitored at home

As advised by treating medical

Oxygen saturation should be

*A low threshold should be kept for

those with any of the high-risk features

• When to seek admission:

Severe cough

officer

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0

~ Obesity

^^Higher chances of NIV failure

LMWH: Low Molecular Weight Heparin: if no contraindication or high risk of bleeding; UFH: Unfractionated heparin

Use validated score for assessing bleeding risk (e.g., HAS-BLED score)

Use D-dimer and SIC score for further risk stratification (SIC score ≥4 portends high thrombotic risk)

** Follow AHA/ESC and ISTH guidelines in case patient is on antiplatelet agents

EUA/ Off label therapies (use based on limited available evidence):

- Remdesivir (EUA) to be considered in
 - 0 Moderate to severe disease (requiring oxygen)
 - 0 Rule out renal or hepatic dysfunction (eGFR <30 ml/min/m²; AST/ALT >5 times ULN) Not to be combined with HCO
- Tocilizumab (Off-label) may be considered in when all the below criteria are met: ۶
 - 0 Moderate to Severe disease
 - Significantly raised inflammatory markers (CRP &/or IL-6) 0
 - Not improving despite use of steroids 0
 - 0 Rule out active bacterial infections
 - The recommended dose is 4 to 8mg/kg (with a maximum dose of 800 mg at one time) in 100 ml NS over 1 hour (dose can be repeated once after 12 to 24 hours, if needed)
 - Convalescent plasma (Off-label) may be considered when following are met:
 - Early moderate disease 0
 - Increasing oxygen requirement 0