





AIIMS/ ICMR-COVID-19 National Task Force/Joint Monitoring Group (Dte.GHS) Ministry of Health & Family Welfare, Government of India **CLINICAL GUIDANCE FOR MANAGEMENT OF ADULT COVID-19 PATIENTS** 22nd April 2021 **COVID-19** patient Severe disease Mild disease Moderate disease Upper respiratory tract symptoms Any one of: Any one of: (&/or fever) WITHOUT shortness 1. Respiratory rate > 24/min, breathlessness 1. Respiratory rate >30/min, breathlessness of breath or hypoxia 2. SpO2: 90% to < 93% on room air 2. SpO2 < 90% on room air **Home Isolation & Care** ADMIT IN WARD ADMIT IN ICU Respiratory support Oxygen Support: MUST DOS Consider use of NIV (Helmet or face mask interface Target SpO₂: 92-96% (88-92% in patients with COPD). Physical distancing, indoor mask depending on availability) in patients with increasing use, strict hand hygiene. oxygen requirement, if work of breathing is LOW. Preferred devices for oxygenation: non-rebreathing face Symptomatic management mask. Consider use of HFNC in patients with increasing oxygen requirement. (hydration, anti-pyretics, anti-Intubation should be prioritized in patients with high Awake proning encouraged in all patients requiring tussive, multivitamins). work of breathing /if NIV is not tolerated. supplemental oxygen therapy (sequential position Stay in contact with treating Use conventional ARDSnet protocol for ventilatory changes every 2 hours). physician. management. Monitor temperature and oxygen Anti-inflammatory or immunomodulatory therapy saturation (by applying a SpO2 Inj. Methylprednisolone 0.5 to 1 mg/kg in 2 divided Anti-inflammatory or immunomodulatory therapy probe to fingers). doses (or an equivalent dose of dexamethasone) usually Inj Methylprednisolone 1 to 2mg/kg IV in 2 divided for a duration of 5 to 10 days. doses (or an equivalent dose of dexamethasone) usually Seek immediate medical attention if: Patients may be initiated or switched to oral route if for a duration 5 to 10 days. Difficulty in breathing stable and/or improving. High grade fever/severe cough, Anticoagulation particularly if lasting for >5 days Anticoagulation Weight based intermediate dose prophylactic A low threshold to be kept for Conventional dose prophylactic unfractionated heparin unfractionated heparin or Low Molecular Weight those with any of the high-risk or Low Molecular Weight Heparin (weight based e.g., Heparin (e.g., Enoxaparin 0.5mg/kg per dose SC BD). features* enoxaparin 0.5mg/kg per day SC). There should be no There should be no contraindication or high risk of contraindication or high risk of bleeding. bleeding. MAY DOs Monitoring Supportive measures Therapies based on low certainty of Clinical Monitoring: Work of breathing, Hemodynamic Maintain euvolemia (if available, use dynamic measures evidence instability, Change in oxygen requirement. for assessing fluid responsiveness). If sepsis/septic shock: manage as per existing protocol Tab Ivermectin (200 mcg/kg once Serial CXR; HRCT chest to be done ONLY If there is and local antibiogram. a day for 3 days). Avoid in worsening. pregnant and lactating women. Monitoring OR Lab monitoring: CRP and D-dimer 48 to 72 hrly; CBC, Serial CXR; HRCT chest to be done ONLY if there is Tab HCQ (400 mg BD for 1 day f/b KFT, LFT 24 to 48 hrly; IL-6 levels to be done if worsening. 400 mg OD for 4 days) unless deteriorating (subject to availability). Lab monitoring: CRP and D-dimer 24-48 hourly; CBC, contraindicated. KFT, LFT daily; IL-6 to be done if deteriorating (subject to Inhalational Budesonide (given availability). via Metered dose inhaler/ Drv powder inhaler) at a dose of 800 mcg BD for 5 days) to be given if After clinical improvement, discharge symptoms (fever and/or cough) as per revised discharge criteria. are persistent beyond 5 days of disease onset. EUA/Off label use (based on limited available evidence and only in specific circumstances): Remdesivir (EUA) may be considered ONLY in patients with *High-risk for severe disease or mortality Moderate to severe disease (requiring SUPPLEMENTAL OXYGEN), AND Age > 60 years No renal or hepatic dysfunction (eGFR <30 ml/min/m2; AST/ALT >5 times ULN (Not an Cardiovascular disease, hypertension, and CAD absolute contradiction), AND DM (Diabetes mellitus) and other immunocompromised 0 Who are within 10 days of onset of symptom/s. states Recommended dose: 200 mg IV on day 1 f/b 100 mg IV OD for next 4 days. Chronic lung/kidney/liver disease Not to be used in patients who are NOT on oxygen support or in home settings 0 Cerebrovascular disease Obesity Tocilizumab (Off-label) may be considered when ALL OF THE BELOW CRITERIA ARE MET 0 Presence of severe disease (preferably within 24 to 48 hours of onset of severe disease/ICU admission). Significantly raised inflammatory markers (CRP &/or IL-6). Not improving despite use of steroids. No active bacterial/fungal/tubercular infection. 0 Recommended single dose: 4 to 6 mg/kg (400 mg in 60kg adult) in 100 ml NS over 1 * hour. Convalescent plasma (Off label) may be considered ONLY WHEN FOLLOWING CRITERIA ARE MET Early moderate disease (preferably within 7 days of symptom onset, no use after 7 days). Availability of high titre donor plasma (Signal to cut-off ratio (S/O) >3.5 or equivalent 0

depending on the test kit being used).

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