ADULT COVID TREATMENT PROTOCOL

Protocol version 2022_1

Consider Remdesivir in the following scenarios

Lane 1
Admitted for COVID symptoms
Symptoms < 5 days

Lane 2
Start Dexamethasone
6 mg IV/PO once daily x 10 days

SpO₂ ≤ 94% on RA or new O₂ requirement sustained over 1 hr without other suspected etiology?

Yes
Patient born or lived in resource-poor country?
Is that country in Central Africa?
No

No tocilizumab
Re-evaluate if requirements change

Yes
Ivermectin not recommended due to risk of morbidity from larval migration with certain filarial nematodes. Discuss with ID (8902). Order ivermectin 200 mcg/kg PO x1 on day 1 and day 2 for empiric treatment of Strongyloides

Have they been intubated OR has O₂ requirement rapidly escalated to super soft nasal cannula (flow rate ≥ 10-15 L/min) within last 24 hours?

Yes

Do they have any contraindications?
• Active bacterial infection
• OR Platelets <50,000/μl
• OR Absolute neutrophils <100 μl
• OR LFTs > 5x ULN
• OR Hx of diverticulitis or GI surgery/ bleed/ ulcer< 90 days ago

No

Order inflammatory markers (both)
• CRP and
• IL-6

Yes
Page 8523 for IL-6 Inhibitor approval

Remdesivir recommended for Nosocomial COVID (initial COVID PCR negative, then positive during admission) and:
(1) Unvaccinated or without a full 3-shot series OR
(2) Vaccinated with one of the following risk factors: ≥ 60 yo, HTN, cardiovascular disease, obesity, immune compromised, CKD, chronic liver disease, chronic lung disease, active cancer, sickle cell

Remdesivir Dosing Considerations
(Not recommended if CrCl < 30 ml/min or LFTs > 5x ULN)
200 mg IV x1, followed by 100 mg IV daily
Duration: 3 days to prevent progression to severe disease (lane 1)
Duration: 5 days if hospitalized for COVID and immune suppressed (lane 2)

COVID-19 Infectious Diseases Pagers & Link:
p8902: ID Consults for COVID and non-COVID patients
p8523: Approval of remdesivir or questions about treatments
ID COVID Website: http://www.bumc.bu.edu/id/covid-19-response/

IL-6 Inhibitor Dosing Considerations
Sarilumab 400 mg x 1
Tocilizumab 8 mg/kg x1; Max 800 mg
Not recommended if LFTs > 5x ULN

Labs (baseline and q48 after starting dexamethasone and/or tocilizumab): CRP, Ferritin, LDH
Labs (baseline only for tocilizumab): IL-6