

CONFIRMED COVID OR HIGHLY SUSPECTED CASES *(Hospitalized patients/ED patients)

Mild Disease

- Cough, fever, myalgia
- No dyspnea
- SAO₂ ≥ 94% on RA
- Radiology: No pulmonary infiltrates

Moderate Disease

- Cough, fever, myalgia
- No dyspnea
- SAO₂ ≥ 94% on RA
- Supplemental O₂
- Radiology: pulmonary infiltrates

Severe Disease

- Respiratory failure requiring mechanical ventilation

Outpatient Management

- Social distancing
- Symptom relief
- Cough:
 - -vaporizer/humidifier
 - -dextromethorphan (dry cough)
- -guaifenesin (productive cough)
- Fever: acetaminophen
- Virtual outpatient visit in 2 and then 7 days, if worsening shortness breath return to ED

Inpatient/ED management

On Admission

- Procalcitonin
- Blood cultures x 2
- Sputum culture, respiratory viral panel, urine antigens on admission
- EKG

Daily Labs

- CBC w/ diff, BMP, Mg
- LFTs, LDH, CRP,
- Ferritin, CPK

Labs every 48 hrs

- D-dimer and troponin

ICU management

- Mechanical ventilation if ARDS

On Admission to ICU

- IL-6 and DIC panel
- Procalcitonin, Blood cx x 2
- Sputum culture, urine antigens
- EKG

Daily Labs

- CBC w/ diff, BMP, Mg
- LFTs, LDH, CRP,
- Ferritin, CPK

Labs every 48 hrs

- D-dimer and troponin

TREATMENT

Supportive Measures (Standard of Care)

1. Supplemental O₂ required to maintain saturation of 96%
2. Conservative IV fluid management
3. LMWH for DVT prophylaxis
4. Empiric antibiotics for CAP coverage (consider Ceftriaxone with doxycycline or azithromycin)
5. Routine use of steroids for COVID is not recommended

- Steroids can be used for other indications e.g. asthma, COPD, shock
- Use the lowest dose for short duration
- Case by case low dose steroid use for COVID

Antivirals (no definite data on efficacy)

1. **Hydroxychloroquine** (ID restricted, see QTC algorithm)
400 mg po bid x 2 doses, then 200 mg po bid x 4 days +/- Azithromycin
500 mg po x 1 dose, then 250 mg po qd x 4 days
2. **Remdesivir** (ID restricted, currently unavailable)

- Tocilizumab (immunomodulator), e.g. IL-6 Blocker (see dosing sheet)
-ID restricted

*Features of highly suspected COVID Case (pending test result) include:
B/L lung infiltrates, lymphocyte <0.8K/uL, Ferritin >500 ng/mL, CRP >10 mg/dL; D-dimer >1ug/mL FEU