UW Medicine | VALLEY MEDICAL CENTER

COVID-19: Emergency Management

Suspected COVID-19 Patient
- New cough or new dyspnea **OR**
- COVID-19 Symptom Group **OR**
- Potential COVID-19 exposure
  - Contact with known COVID-19(+)
  - Congregate setting outbreak

Initial Evaluation
- Order AEROSOL / CONTACT Isolation
- History & Physical Examination
- Consider Rapid Influenza / RSV

Stable Vitals AND SpO2 ≥94% on Room Air

YES → **High Risk Group or Abnormal Physical Exam?**

NO → **Discharge**
- COVID-19 (VMC) PUI Test
- COVID-19 AVS Instructions

NO → **COVID Diagnostic Panel**
- Chest X-Ray / CT Chest PA (if indicated)
- COVID-19 PUI Rapid Test (POCT)
- Labs: CBC with diff, CMP, & CRP
- Consider D-dimer, ferritin, LDH, CPK, troponin, & procalcitonin

YES → **COVID Diagnostic Panel**

Mechanical Ventilation, new BiPAP, or new HFNC?

YES → **Admit to CCU**
- Oxygen Therapy (ETT/BiPAP/HFNC)
- Dexamethasone (as indicated)
- **Consider COVID therapeutics and/or Consult Intensivist for Clinical Trials**

NO → **Moderate O2 Requirement (SpO2 ≤92%) +/- Severe Disease Indicators?**

YES → **Consider Acute Care Admission**
- Oxygen Therapy (Mask/NC/NRB/Airvo)
- Dexamethasone (>7 days post onset)
- **Consider COVID therapeutics and/or Consult Intensivist for Clinical Trials**

NO → **Minor O2 Requirement (SpO2 92-94%)?**

YES → **Consider Home Oxygen Program**
- Short-term Home O2 Eval
- Oxygen Therapy (NC)
- Dexamethasone (>7 days post onset)

NO → **High Risk Group?**

YES → **Consider Monoclonal Antibody**
- Document consent **.REGENTREATMENT**
- ADMINISTER as IV infusion over 20 min
- MONITOR for adverse drug reactions
- PROVIDE AVS (**.REGENAVS**)

NO → **Discharge Criteria**
- Medically Cleared
- COVID-19 AVS Instructions
- Provide Pulse Oximeter if Concern for Hypoxia at Home

Add Airborne Precautions for Aerosolizing Procedures

COVID-19 SYMPTOM GROUP
- Fever ≥ 100.5
- Chills +/- repeated shaking
- Myalgias (muscle pain)
- New headache
- Sore Throat
- New loss of sense of taste/smell
- Diarrhea
- Nausea / vomiting
- Runny nose / congestion

SEVERE DISEASE INDICATORS
- Abnormal CXR
- D-Dimer > 1.0ug/mL
- LDH > 245
- CPK > 100
- Neutrophil-to-Lymphocyte Ratio
- Hepatic Transaminase Elevation
- New Creatine Elevation
- Abs Lympocyte <0.8
- Lactate > 4
- Altered Mental Status (GCS<15)

HIGH RISK GROUP
- Age ≥ 65
- High BMI ≥ 35
- Comorbidities (CKD stage ≥4, Chronic lung disease, Diabetes, Immunocompromised, age >55 with cardiovascular disease)
- At risk groups: healthcare workers, congregate living or pregnancy

IMMUNOCOMPROMISED[2]
- Chemotherapy for solid tumors
- Solid organ transplant
- HIV with CD4 <200
- Prednisone ≥20mg for 14+days
- Hematologic malignancy
  - Leukemia
  - Lymphoma
  - Multiple myeloma
- Hematopoietic cell transplant
- CAR-T cell therapy