Algorithm for Management of Patients with suspected COVID-19

**Adults**

- Admission to floor
  - Without O₂ Requirement or Risk Factors
    - Monitor for worsening of symptoms
  - With O₂ Requirement and/or Risk Factors
    - Consult ASP/ID for treatment approval
    - Consult MICU for evaluation for new O₂ Requirement
- Admission to ICU
  - Initiate empiric treatment (HCQ) then consult ASP/ID for treatment approval
  - Monitor for signs of cytokine release

**Pediatrics**

- Admission to PICU or floor
  - All empiric treatment decisions should be discussed and approved by pediatric ID

**Risk Factors:**
- Age >60
- Leukopenia
- Cardiovascular disease
- Diabetes
- Chronic pulmonary disease
- End-stage renal disease
- Immunocompromising conditions* (cancer, HIV, transplant)
- Immunosuppressive medications
- D-dimer >1000
- Healthcare workers
- Pregnancy**

*Consider multidisciplinary team management (ID, pulmonology)

**Hydroxychloroquine (HCQ) QTc Monitoring**

**Pre-Initiation**
1. Obtain baseline ECG
   - QTc ≤ 460 ms – Start HCQ
   - QTc 461 - 499 ms – Correct electrolytes, evaluate risk/benefit, d/c other QTc drugs
   - QTc ≥ 500 – Avoid HCQ
2. Obtain baseline Ca, Mg, K
3. Discontinue any other QTc medications

**Post-Initiation**
1. Reassess QTc with ECG while on therapy
   - ΔQTc ≥ 60 or QTc ≥ 500 – Avoid HCQ
2. Monitor and replace Ca, Mg, K

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*For treatment approval, page 601-929-0484. ASP on-call will evaluate patient eligibility and discuss with supervising ID attending. Recommendations will be provided in Epic.*

*Information about clinical trials at UMMC can be found at: https://intranet.umc.edu/Research/Research%20Offices/Clinical-Trials/COVID-19-Task-Force-Potential%20Studies.html*

**Consider enrolling pregnant patients in: PRIORITY (Pregnancy CoRonavirus Outcomes RegIsTRY), a nationwide registry for pregnant and postpartum individuals with suspected COVID-19 or confirmed diagnosis https://priority.ucsf.edu/**

**Consider enrolling pediatric patients in: Pediatric Covid-19 National Survey (PIDTRAN-6_Covid-19), a nationwide registry for pediatric COVID-19 patients in the United States. Link to survey can be provided upon request by contacting apalmer@umc.edu.**