COVID-19 ED Workflow & Testing Criteria – May 28, 2020 1550
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COVID-19 Symptoms near presentation:
(Guan et al. NEJM & other sources)

Constitutional
- Fever 43-60% (~90% during admit)
- Fatigue 38%
- Myalgia 11-15%
- Headache 14%
- Chills 12%

Upper Respiratory
- Sore throat 14%
- Nasal congestion 5%

Lower Respiratory
- Cough 68-82% (most common)
- Sputum production 34%
- Dyspnea 19-55% (assoc. w/ severity)
- Hemoptysis 1%
- Silent hypoxemia ?*

Gastrointestinal
- Diarrhea 4-10%
- Nausea/Vomiting 5-8%
- Abdominal pain 4%

*Silent hypoxemia (i.e. w/o dyspnea) can be found in unrelated chief complaints, especially in elderly

COVID-19 Lab Values near presentation
(various sources)

CBC
- WBC tends to be normal (64%)
  - Lymphopenia is common (~80%)
- Mild thrombocytopenia is common

Procalcitonin
- Normal most often (93%)
  - Sig. elevation suggests bacterial co-infection

ESR/CRP
- Tend to elevate with disease severity

D-Dimer
- DIC can be seen and will profoundly elevate D-Dimer. Can still use D-Dimer to rule out PE in appropriate patients.

ED patient presents with any of the below (see also .COVID19ED):

- Symptoms: Fever, Chills, Cough, Shortness of breath, Fatigue, Myalgia, Sore throat, Rhinorrhea, Nausea/Diarrhea, Loss of Taste or Smell, Hypoxia
- Code: STEMI/Cath Lab, Trauma Activation, Stroke Hot Spot, Post Arrest, other
- Unable to assess symptoms: AMS, No reliable historian, etc.
- Asymptomatic, but patient is concerned for exposure:
  - Exposed to person with suspected or confirmed COVID-19
  - Live or Work at congregant facility; Working outside home > 10 days
  - Upcoming surgery/procedure with likely airway manipulation

Asymptomatic patients: Standard precautions. Escalate to Severe Respiratory Isolation if test results positive; All other patients: SRI indicated if within 6 ft.

Order: Early COVID-19 PCR, Rapid (Plan Admit)

Complete Full ED Workup.
Type .COVID19ED in ED note MDM to support documentation

Order COVID-19 PCR (Discharging)

Discharge home w/ self care. Batched COVID results available in MyHealth or lab calls result if patient not enrolled

If COVID negative, discuss de-escalation of Severe Respiratory Isolation w/ Admitting Team.
Inform ED RN of decision for awareness & EMR update

Patient admitted