



COVID-19 Digest Issue 8

June 18, 2020

CLINICAL PEARL

- **Pepcid (famotidine) and COVID-19:**
 - Computational methods have identified famotidine as a potential inhibitor of an enzyme that plays a critical role in SARS-CoV-2 viral replication, known as 3-chymotrypsin-like protease. Currently there is very little data available on the outcomes of COVID-19 patients who received famotidine. However, two retrospective studies – one conducted in the [inpatient setting](#) and the other conducted in [outpatients](#) – have shown promising results.

PUBLIC HEALTH UPDATES

- The [San Mateo County Health Officer Order issued on June 15th](#) extends the provisions of the prior order to continue to slow the spread of COVID-19 and to protect the vulnerable populations residing in any licensed facility that provides residential care in a congregate setting as well as the staff who work there. Facilities should have a COVID-19 Plan in place and should continue to limit visitation.
- The [San Mateo County Health Officer Order issued on June 17th](#) allows social bubbles but directs all individuals in the county to limit gatherings to not exceed 50 people and to adhere to social distancing and face covering requirements. It also requires businesses to develop written health and safety plans and to implement a social distancing protocol.
- [FDA Revokes Emergency Use Authorization for Chloroquine and Hydroxychloroquine](#). Based on its ongoing analysis of the EUA and emerging scientific data, the FDA determined that chloroquine and hydroxychloroquine are unlikely to be effective in treating COVID-19. Additionally, in light of ongoing serious cardiac adverse events and other potential serious side effects, the known and potential benefits of chloroquine and hydroxychloroquine no longer outweigh the known and potential risks for the authorized use.

ACADEMIC/RESEARCH PAPERS

- *medRxiv*
 - [SARS-CoV-2 RNA concentrations in primary municipal sewage sludge as a leading indicator of COVID-19 outbreak dynamics](#)
- *American Institute of Physics*
 - [Can a toilet promote virus transmission? From a fluid dynamics perspective](#)
- *JAMA*
 - [Prevalence of Gastrointestinal Symptoms and Fecal Viral Shedding in Patients With Coronavirus Disease 2019 A Systematic Review and Meta-analysis](#)
 - [Temperature, Humidity, and Latitude Analysis to Estimate Potential Spread and Seasonality of Coronavirus Disease 2019 \(COVID-19\)](#)
 - [Contact Tracing Assessment of COVID-19 Transmission Dynamics in Taiwan and Risk at Different Exposure Periods Before and After Symptom Onset](#)
 - [Digital Smartphone Tracking for COVID-19 - Public Health and Civil Liberties in Tension](#)
 - [Association of Stay-at-Home Orders With COVID-19 Hospitalizations in 4 States](#)
- *Springer*
 - [Phenotypic characteristics and prognosis of inpatients with COVID-19 and diabetes: the CORONADO study](#)





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- *Pediatrics*
 - [Coinfection and Other Clinical Characteristics of COVID-19 in Children](#)
- *Nature*
 - [The effect of large-scale anti-contagion policies on the COVID-19 pandemic](#)
- *Cleveland Clinic Journal of Medicine*
 - [COVID-19 serologic testing: FAQs and caveats](#)
- *Science*
 - [Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California](#)
- *Journal of Infection*
 - [Early administered antibiotics do not impact mortality in critically ill patients with COVID-19](#)
- *New England Journal of Medicine*
 - [Hospitalization and Mortality among Black Patients and White Patients with Covid-19](#)
 - [False Negative Tests for SARS-CoV-2 Infection — Challenges and Implications](#)
- *CDC Emerging Infectious Diseases*
 - [Serial Interval of COVID-19 among Publicly Reported Confirmed Cases](#)
 - [Case-Fatality Risk Estimates for COVID-19 Calculated by Using a Lag Time for Fatality](#)
 - [Seroepidemiologic Study Designs for Determining SARS-COV-2 Transmission and Immunity](#)

MMWR

- [Impact of the COVID-19 Pandemic on Emergency Department Visits — United States, January 1, 2019–May 30, 2020](#)
- [Knowledge and Practices Regarding Safe Household Cleaning and Disinfection for COVID-19 Prevention — United States, May 2020](#)

HOT OFF THE (LAY) PRESS

- *The New Yorker*
 - [Can Coronavirus Contact Tracing Survive Reopening?](#)
- *CNN News*
 - [We won't know the impact of states reopening for weeks. Here are several reasons why](#)
- *The New York Times*
 - [Texas, Florida and California all recently reported their highest daily tallies of new virus cases, a concerning sign as the U.S. continues reopening](#)
 - [Slowing the Coronavirus Is Speeding the Spread of Other Diseases](#)
 - [F.D.A. Bans Faulty Masks, 3 Weeks After Failed Tests](#)
 - [Dr. Anthony Fauci offered a grim assessment of the pandemic, describing the coronavirus as his “worst nightmare” and warning that “it isn’t over yet.”](#)
 - [Mutation Allows Coronavirus to Infect More Cells, Study Finds. Scientists Urge Caution.](#)
 - [For Older People, Despair, as Well as Covid-19, Is Costing Lives](#)
- *Scope by Stanford Medicine*
 - [Why COVID-19 Hit Our Vulnerable Older Population Hardest](#)
- *JAMA Medical News and Perspectives*
 - [“Abandoned” Nursing Homes Continue to Face Critical Supply and Staff Shortages as COVID-19 Toll Has Mounted](#)
- *The Los Angeles Times*





SAN MATEO COUNTY HEALTH

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- [Op-Ed: My mother has Alzheimer's. The coronavirus only makes it harder to care for her.](#)
- [A revolt against wearing masks creates a new coronavirus danger as California reopens](#)
- *STAT News*
 - ['Which death do they choose?': Many Black men fear wearing a mask more than the coronavirus](#)
 - ['Obsessed with staying alive': Inmates describe a prison's piecemeal response to a fatal Covid-19 outbreak](#)
- *Washington Post*
 - [States are wrestling on their own with how to expand testing with little guidance from the Trump administration](#)
 - [The covid-19 racial disparities could be even worse than we think](#)
- *Time*
 - [D.C. National Guard Members Test Positive for Coronavirus After Protests](#)
- *Politico*
 - [In absence of federal action, farm workers' coronavirus cases spike](#)
- *Science Speaks: Global ID News*
 - [COVID-19: In Beijing a new outbreak linked with large market "Xinfadi"](#)
- *NPR*
 - [Health Experts Link Rise In Arizona Coronavirus Cases To End Of Stay-At-Home Order](#)
- *The Mercury News*
 - [Age of COVID-19 Cases Dropping in California – New analysis: 44% of people who test positive are under the age of 35](#)
 - [Marin epidemiologist Larry Brilliant: Virus crisis just beginning](#)
- *CNBC*
 - [These San Francisco doctors flew to New York to fight the coronavirus — and they have a warning for us](#)
- *San Francisco Chronicle*
 - [If you attended a Bay Area protest, should you self-quarantine? Get a coronavirus test?](#)
 - [Bay Area public schools struggling to respond to next big health crisis: hungry kids](#)

EPIDEMIOLOGY UPDATES

- **US Leads the World in Confirmed COVID-19 Cases** per [Johns Hopkins University Center for Systems Science and Engineering Dashboard Website](#)
- **California COVID-19 by the numbers** are available on the [CDPH Website](#) and the [NYT Map and Table](#) (includes data by county)
 - **California COVID-19 Statewide Update** as of June 18, 2020
- [San Mateo County COVID-19 Dashboard](#)
- [Santa Clara County COVID-19 Dashboard](#)

ADDITIONAL COVID-19 RESOURCES

- [COVID-19 California Statewide Case Statistics](#)
- [Palo Alto Online tracking the coronavirus in San Mateo and Santa Clara counties](#)
- [California Department of Corrections and Rehabilitations Population COVID-19 Tracking Dashboards](#)
- [COVID-19 Nursing Home Data](#)

