



COVID-19 Digest Issue 6

June 3, 2020

CLINICAL PEARL

- **Ground glass opacities on chest CT and COVID-19:** The term ground glass opacities refers to the hazy, white-flecked pattern indicative of increased density that can be seen on lung CT scans. It is not as dense as the "[crazy-paving](#)" pattern, which looks like a mosaic or pavers, and less confounding than the "[head cheese sign](#)," a juxtaposition of regions with three or more different densities of different attenuation in the lungs. The term has its origins in the way old movies shot their flashback scenes, through a ground-glass lens that gave the film a hazy appearance. Many diseases can cause ground-glass opacities, including viral infections, chronic lung disease, fibrosis, other inflammatory conditions, and cancers. Ground-glass opacities are not found in healthy lungs and do not result from exposures like air pollution or smoking. Of note, **COVID-19-related ground glass opacities tend to be multifocal and bilateral, have a very round shape and are usually seen in the lower lobes and periphery.** It should also be noted that some COVID patients have normal chest CTs with no ground-glass opacities during the first few days of infection and that no US radiological society recommends diagnostic chest CT for COVID-19.

PUBLIC HEALTH UPDATES

- San Mateo County Health Officer issued a [revised health officer order dated May 28th](#) directing all individuals in the county to **continue sheltering at their place of residence** except for identified needs and activities, in compliance with specified requirements; and revised [Appendix C-1 Additional Businesses Permitted to Operate](#) and [Appendix C-2 Allowed Additional Activities](#).

GUIDEDANCE/GUIDELINES

- CDC recently issued guidance for healthcare facilities: [Considerations for Release of Stockpiled N95s Beyond the Manufacturer-Designated Shelf Life](#)

ACADEMIC/RESEARCH PAPERS

- *JAMA*
 - [Magnetic Resonance Imaging Alteration of the Brain in a Patient With Coronavirus Disease 2019 \(COVID-19\) and Anosmia](#)
 - [Neuropathogenesis and Neurologic Manifestations of the Coronaviruses in the Age of Coronavirus Disease 2019](#)
 - [Nursing Home Care in Crisis in the Wake of COVID-19](#)
 - [Outbreak Investigation of COVID-19 Among Residents and Staff of an Independent and Assisted Living Community for Older Adults in Seattle, Washington](#)
 - [Variation in COVID-19 Hospitalizations and Deaths Across New York City Boroughs](#)
 - [Prevalence of SARS-CoV-2 Among Patients Admitted for Childbirth in Southern Connecticut](#)
 - [Comparison of Clinical Characteristics of Patients with Asymptomatic vs Symptomatic Coronavirus Disease 2019 in Wuhan, China](#)
 - [Recurrent Positive Reverse Transcriptase–Polymerase Chain Reaction Results for Coronavirus Disease 2019 in Patients Discharged From a Hospital in China](#)
- *New England Journal of Medicine*
 - [Pulmonary Vascular Endothelialitis, Thrombosis, and Angiogenesis in Covid-19](#)





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- [Hospitalization and Mortality among Black Patients and White Patients with Covid-19](#)
- [Remdesivir for the Treatment of Covid-19 — Preliminary Report](#)
- [Wrong but Useful — What Covid-19 Epidemiologic Models Can and Cannot Tell Us](#)
- [Is It Safe for Me to Go to Work?" Risk Stratification for Workers during the Covid-19 Pandemic](#)
- *Lancet*
 - [Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study](#)
- *American Journal of Clinical Pathology*
 - [Placental Pathology in COVID-19](#)
- *International Journal of Antimicrobial Agents*
 - [Can post-exposure prophylaxis for COVID-19 be considered as an outbreak response strategy in long-term care hospitals?](#)
- *American Gastroenterological Association Journal*
 - [Gastrointestinal and Hepatic Manifestations of 2019 Novel Coronavirus Disease in a Large Cohort of Infected Patients From New York: Clinical Implications](#)
- *UCSF*
 - [Initial Results of Mission District COVID-19 Testing Announced - Latinx Community, Men and Economically Vulnerable Are at Highest Risk](#)
- *CDC Emerging Infectious Diseases*
 - [Acute Cerebral Stroke with Multiple Infarctions and COVID-19, France, 2020](#)
 - [Detection of Novel Coronavirus by RT-PCR in Stool Specimen from Asymptomatic Child, China](#)
 - [Indirect Virus Transmission in Cluster of COVID-19 Cases, Wenzhou, China, 2020](#)
 - [Secondary Transmission of Coronavirus Disease from Presymptomatic Persons, China](#)
 - [Co-infection with SARS-CoV-2 and Influenza A Virus in Patient with Pneumonia, China](#)
 - [Lack of Vertical Transmission of Severe Acute Respiratory Syndrome Coronavirus 2, China](#)

MMWR

- [Universal and Serial Laboratory Testing for SARS-CoV-2 at a Long-Term Care Skilled Nursing Facility for Veterans — Los Angeles, California, 2020](#)
- [Evidence for Limited Early Spread of COVID-19 Within the United States, January–February 2020](#)
- [Decline in Child Vaccination Coverage During the COVID-19 Pandemic — Michigan Care Improvement Registry, May 2016–May 2020](#)

HOT OFF THE (LAY) PRESS

- *The Atlantic*
 - [The CDC and States Are Misreporting COVID-19 Test Data](#)
 - [The Protests Will Spread the Coronavirus](#)
- *The New Yorker*
 - [How Mask Mandates Were Beaten Down in Rural Oklahoma](#)
- *The New York Times*
 - [The Project Behind a Front Page Full of Names](#)
 - [Why Days 5 to 10 Are So Important When You Have Coronavirus](#)
 - [Coronavirus Epidemics Began Later Than Believed, Study Concludes](#)
 - [The World Is Still Far From Herd Immunity for Coronavirus](#)





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- [New York City is on track to start reopening on June 8, Governor Cuomo said. It has been under one of the country's strictest lockdowns.](#)
- *The Economist*
 - [How the world's premier public-health agency was handcuffed](#)
- *NPR*
 - [COVID-19 Has Killed Close To 300 U.S. Health Care Workers, New Data From CDC Shows](#)
 - [Coronavirus Testing Machines Are Latest Bottleneck In Troubled Supply Chain](#)
- *USA Today*
 - [Latino homes report serious COVID-19 symptoms nearly twice as often, survey of 1.6 million shows](#)
- *Wired*
 - [The First Shot: Inside the Covid Vaccine Fast Track](#)
- *Vox*
 - [How to weigh the risk of going out in the coronavirus pandemic, in one chart](#)
- *GAO Science, Technology Assessment and Analytics*
 - [Science & Tech Spotlight: Social Distancing During Pandemics](#)
- *Los Angeles Times*
 - [Editorial: Coronavirus shows us the danger and inanity of our prison state](#)
[Prison](#)
 - [California is reopening too quickly, posing 'very serious risk,' health officer warns](#)
 - [Coronavirus cases spiked after these counties reopened, now officials are scaling back](#)
- *San Francisco Chronicle*
 - [Surge of coronavirus cases in Santa Cruz tied to family gatherings](#)
 - [Coronavirus cases on the rise across the Bay Area, especially in Alameda County](#)
 - [Why the coronavirus is surging in Alameda County](#)
 - [SF releases timeline for schools, sports, gyms, restaurants to reopen](#)
 - [The curious case of the SF doctor who's been coronavirus-positive nearly 90 days and counting](#)
 - [Long after the illness is gone, the damage from coronavirus may remain](#)
- *Chicago Tribune*
 - ['It's one thing to survive the infection, but what's next?' Some COVID-19 patients need rehab to walk, talk and problem solve](#)

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)
- [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](#)

