



## COVID-19 Digest Issue 30

November 18, 2020

### CLINICAL PEARL

- **The cutaneous manifestations of COVID-19** have been classified into the following six patterns: maculopapular rash, urticarial pattern, chilblain-like acral pattern, vesicular lesions, livedo reticularis-livedo racemosa-like pattern, and purpuric “vasculitic” pattern. **Urticaria is one of the most common skin manifestations reported in COVID-19.**

[A recent review article](#) included a total of 202 patients with COVID-19-associated urticaria. Patient age ranged from 2 months to 84 years; age was not reported in six patients. Gender was reported in 149 patients; of these, 96 (64%) were females, and 53 (36%) were males. COVID-19 was confirmed by laboratory tests in 123 patients, while others were diagnosed either radiologically or by clinical assessment. Of 105 patients for whom the timeline was determined, 11 (10%) had **urticarial eruptions that developed before the onset of classic COVID-19 signs and symptoms** (cough, dyspnea, fever, anosmia, ageusia), and 47 (45%) **developed the rash concurrently with COVID-19 symptoms. Urticarial rash was mainly either generalized or distributed on the trunk.** Other distributions included facial and acral and acral only locations. The inguinal area, palms, and shoulders were involved in one patient. The pattern of urticarial eruption in the two patients with angioedema was generalized.

Reported comorbidities were predominately hypertension, diabetes mellitus, and obesity. Level of care was reported in 129 (64%) patients; of these, 14 (11%) needed treatment in the intensive care unit, and 115 (89%) were treated either as outpatients or inpatients with standard care. Two patients died; one was an elderly 71-year-old man with several comorbidities. No details were available for the other patient. One patient was known to have chronic urticaria, and another had hay fever.

Data from the complete blood count (CBC) tests were extracted to observe the presence or absence of eosinophilia in 11 patients; eosinophilia was found in only two patients (18%), indicating that **systemic eosinophilia is not a common association** in this subset of patients. **Eosinopenia is actually frequently observed in patients with COVID-19, and may have a prognostic value in more severe cases.** The normalization of eosinophil counts has been reported to induce clinical improvement. Interestingly, [patients with COVID-19 who have urticaria may have a better prognosis](#). Dastoli et al have speculated that urticaria in the setting of COVID-19 is likely to be associated with systemic eosinophilia, which in turn leads to better outcomes of COVID-19 infection.

**Treatment of urticaria in patients with COVID-19** can be challenging as the critical and prolonged nature of the disease limits therapeutic options, and patients may initiate medications for COVID-19 that can potentially trigger or worsen urticaria. However, **urticarial rashes in most patients with COVID-19 disappeared or clinically improved in less than a week.** Patients were treated mainly with **oral antihistamines. Oral steroids** were also used alone or in conjunction with antihistamines.

### PUBLIC HEALTH UPDATES

- CDC [Scientific Brief: Community Use of Cloth Masks to Control the Spread of SARS-CoV-2](#): SARS-CoV-2 infection is transmitted predominantly by respiratory droplets generated when people cough, sneeze, sing, talk, or breathe. CDC recommends community use of [masks](#), specifically non-valved multi-layer cloth masks, to prevent transmission of SARS-CoV-2. Masks are primarily intended to reduce the emission of virus-laden droplets (“**source control**”), which is especially relevant for asymptomatic or pre-symptomatic infected wearers who feel well and may be unaware of their infectiousness to others, and who are estimated to account for more than 50% of transmissions. Masks also help reduce inhalation of these droplets by the wearer (“**filtration for personal protection**”). The community benefit of





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masking for SARS-CoV-2 control is due to the combination of these effects; individual prevention benefit increases with increasing numbers of people using masks consistently and correctly.

- FDA:
  - [Emergency use authorization \(EUA\) for the investigational monoclonal antibody therapy bamlanivimab](#) for the treatment of mild-to-moderate COVID-19 in adult and pediatric patients.
  - [FDA Authorizes First Test that Detects Neutralizing Antibodies from Recent or Prior SARS-CoV-2 Infection](#)
- U.S. Department of Health and Human Services: [Bamlanivimab: ASPR's Portfolio of Monoclonal Antibody Treatments for COVID-19 Medical Countermeasures under Investigation](#)
- NIH: [COVID-19 Therapeutics Prioritized for Testing in Clinical Trials](#)
- WHO: [SARS-CoV-2 mink-associated variant strain – Denmark](#)

## GUIDANCE/GUIDELINES

- California Department of Public Health: [Guidance for the Prevention of COVID-19 Transmission for Gatherings](#) and [Travel Advisory](#) to all Californians
- San Mateo County Health: [Safety Recommendations For Holiday Travel - Best to avoid traveling](#) and [Recommendations For Staying Safe From COVID-19 During The Holidays – How to Gather Safely](#)

## RESOURCES

- Infectious Diseases Society of America (IDSA)
  - [Ask the Experts: Q&A with IDSA's Treatment & Management Guideline Panel](#)
  - [COVID-19 Data: The Forecast for the Upcoming Months](#)
  - [COVID-19 in Rural America](#)
  - [Navigating the COVID-19 "Infodemic" – Staying Ahead of Misinformation](#)
- COVID-19 Real-Time Learning Network by CDC and IDSA:
  - [Monoclonal Antibodies](#)
  - [Vaccine Development](#)
- The National Academies of Sciences, Engineering, and Medicine
  - [COVID-19 and K-12 Schools: Updates From the Field](#)
  - [Rapid Expert Consultation on Critical Issues in Diagnostic Testing for the COVID-19 Pandemic](#)
- JAMA Network-Conversations with Dr Bauchner: [Herd Immunity as a Coronavirus Pandemic Strategy](#)
- Massachusetts General Hospital and Harvard Medical School: [COVID-19 School and Community Resource Library](#)
- WHO: [What We Know about COVID-19 Transmission in Schools](#)
- Wikimedia Commons [World Health Organization COVID-19 disinformation infographics](#)
- [Tracking Our COVID-19 Response](#) – Each state's progress towards a new normal
- Ariadne Labs (A Joint Center for Health Systems Innovation at Brigham and Women's Hospital and the Harvard T.H. Chan School of Public Health and The Surgo Foundation): [Vaccine Allocation Planner for COVID-19](#)
- [COVID Human Genetic Effort](#)





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### ACADEMIC/RESEARCH PAPERS

- *Dermatologic Therapy*
  - [Urticaria and COVID-19: A review](#)
- *Chemical Senses*
  - [More Than Smell—COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis](#)
- *Annals of Internal Medicine*
  - [Sixty-Day Outcomes Among Patients Hospitalized With COVID-19](#)
- *The Journal of Infectious Diseases*
  - [Clinical Presentation and Outcomes of Severe Acute Respiratory Syndrome Coronavirus 2–Related Encephalitis: The ENCOVID Multicenter Study](#)
- *The American Journal of Emergency Medicine*
  - [Association between COVID-19 diagnosis and presenting chief complaint from New York City triage data](#)
- *PLOS Biology*
  - [A network medicine approach to investigation and population-based validation of disease manifestations and drug repurposing for COVID-19](#)
- *medRxiv*
  - [School closures and SARS-CoV-2. Evidence from Sweden’s partial school closure](#)
- *JAMA*
  - [Estimation of US Children’s Educational Attainment and Years of Life Lost Associated With Primary School Closures During the Coronavirus Disease 2019 Pandemic](#)
  - [Assessment of SARS-CoV-2 RNA Test Results Among Patients Who Recovered From COVID-19 With Prior Negative Results](#)
  - [Challenges in Testing for SARS-CoV-2 Among Patients Who Recovered From COVID-19](#)
  - [Fluvoxamine vs Placebo and Clinical Deterioration in Outpatients With Symptomatic COVID-19: A Randomized Clinical Trial](#)
  - [Effect of Hydroxychloroquine on Clinical Status at 14 Days in Hospitalized Patients With COVID-19: A Randomized Clinical Trial](#)
  - [COVID-19 Infection—Preventing Clinical Deterioration](#)
  - [Hospitalizations for Chronic Disease and Acute Conditions in the Time of COVID-19](#)
  - [Association of State Stay-at-Home Orders and State-Level African American Population With COVID-19 Case Rates](#)
  - [Community Outbreak Investigation of SARS-CoV-2 Transmission Among Bus Riders in Eastern China](#)
- *National Science Review*
  - [Cold-chain food contamination as the possible origin of Covid-19 resurgence in Beijing](#)
- *Current Therapeutic Research*
  - [Incubation Period of Severe Acute Respiratory Syndrome Novel Coronavirus 2 that Causes Coronavirus Disease 2019: A Systematic Review and Meta-Analysis](#)
- *Cell Reports*
  - [Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2](#)
- *New England Journal of Medicine*
  - [Does Tocilizumab Have a Role in the Treatment of COVID-19?](#)
  - [Bamlanivimab for COVID-19 — Hard to Pronounce, Even Harder to Give](#)
  - [An mRNA Vaccine against SARS-CoV-2 — Preliminary Report](#)





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- [SARS-CoV-2 Transmission among Marine Recruits during Quarantine](#)
- [An Outbreak of Covid-19 on an Aircraft Carrier](#)
- [SARS-CoV-2 in the U.S. Military — Lessons for Civil Society](#)
- [Persistence and Evolution of SARS-CoV-2 in an Immunocompromised Host](#)
- [Mild or Moderate Covid-19](#)
- *Emerging Infectious Diseases*
  - [Coronavirus Disease among Workers in Food Processing, Food Manufacturing, and Agriculture Workplaces](#)
  - [Intrauterine Transmission of SARS-CoV-2](#)
  - [Performance of Nucleic Acid Amplification Tests for Detection of Severe Acute Respiratory Syndrome Coronavirus 2 in Prospectively Pooled Specimens](#)
- *Journal of Occupational and Environmental Medicine*
  - [Considerations in Pooled Testing for SARS-CoV-2 of Employees](#)
- *Clinical Infectious Diseases*
  - [Frequency of Routine Testing for Coronavirus Disease 2019 \(COVID-19\) in High-risk Healthcare Environments to Reduce Outbreaks](#)
  - [SARS CoV-2 Surveillance and Exposure in the Perioperative Setting with Universal testing and Personal Protective Equipment \(PPE\) Policies](#)
- *International Journal of Infectious Diseases*
  - [Health Care Worker Infections and Deaths due to COVID-9: A Survey from 37 Nations and a Call for WHO to Post National Data on their Website](#)
- *Science*
  - [Inborn errors of type I IFN immunity in patients with life-threatening COVID-19](#)
  - [Autoantibodies against type I IFNs in patients with life-threatening COVID-19](#)
  - [Preexisting and de novo humoral immunity to SARS-CoV-2 in humans](#)
  - [Transmission of SARS-CoV-2 on mink farms between humans and mink and back to humans](#)
- *The Lancet*
  - [Safety and efficacy of inhaled nebulised interferon beta-1a \(SNG001\) for treatment of SARS-CoV-2 infection: a randomised, double-blind, placebo-controlled, phase 2 trial](#)
  - [Characteristics and outcomes of neonatal SARS-CoV-2 infection in the UK: a prospective national cohort study using active surveillance](#)
  - [What defines an efficacious COVID-19 vaccine? A review of the challenges assessing the clinical efficacy of vaccines against SARS-CoV-2](#)
  - [Bidirectional associations between COVID-19 and psychiatric disorder: retrospective cohort studies of 62 354 COVID-19 cases in the USA](#)
  - [Decarceration and community re-entry in the COVID-19 era](#)
- *Nature*
  - [Mobility network models of COVID-19 explain inequities and inform reopening](#)
- *PNAS*
  - [Evidence that coronavirus superspreading is fat-tailed](#)
- *Journal of the American College of Cardiology*
  - [High Prevalence of Pericardial Involvement in College Student-Athletes Recovering From COVID-19](#)
- *Chest Journal*
  - [Use of Ivermectin Is Associated With Lower Mortality in Hospitalized Patients With Coronavirus Disease 2019 - The ICON Study](#)





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- *AIDS*
  - [Characteristics and outcomes of COVID-19 in patients with HIV: a multicentre research network study](#)
- *COVID, Corrections and Oversight Project*
  - [COVID AND CORRECTIONS: A PROFILE OF COVID DEATHS IN CUSTODY IN TEXAS](#)

### MMWR

- [Implementation of a Pooled Surveillance Testing Program for Asymptomatic SARS-CoV-2 Infections on a College Campus — Duke University, Durham, North Carolina, August 2–October 11, 2020](#)
- [Risk Assessment and Management of COVID-19 Among Travelers Arriving at Designated U.S. Airports, January 17–September 13, 2020](#)
- [COVID-19 Outbreak in an Amish Community — Ohio, May 2020](#)
- [Mental Health–Related Emergency Department Visits Among Children Aged <18 Years During the COVID-19 Pandemic — United States, January 1–September 19, 2020](#)

### HOT OFF THE (LAY) PRESS

- *The New Yorker*
  - [The Pandemic’s Winter Surge Is Here](#)
- *The New York Times*
  - [The number of Covid-19 hospitalizations in the United States hit an all-time high, as the pandemic continued shattering record after record.](#)
  - [U.S. hospitalizations reach a record high as medical facilities are under strain.](#)
  - ['It's Traumatizing': Coronavirus Deaths are Climbing Once Again](#)
  - [An Explanation for Some Covid-19 Deaths May Not Be Holding Up](#)
  - [The pandemic breaks U.S. records for hospitalizations and cases as states and cities tighten restrictions](#)
  - [In a Times interview, Dr. Anthony Fauci urged a “uniform” virus strategy, not “disjointed” moves by states, in contrast to President Trump’s approach.](#)
  - [Coronavirus Briefing: Lockdowns return](#)
  - [With some states reimposing coronavirus restrictions, workers worry about losing wages](#)
  - [More than 1 in 400 Americans test positive in a week, pushing New Jersey to a record and prompting restrictions in North Dakota.](#)
  - [More infections, fewer restrictions](#)
  - [8 Months After Virus Hit, an Ominous Sign: Long Lines for Testing Again](#)
  - [These Researchers Tested Positive. But the Virus Wasn’t the Cause.](#)
  - [Testing options are growing as more people consider traveling.](#)
  - [The Surging Coronavirus Finds a Federal Leadership Vacuum](#)
  - [What Places Are Hardest Hit by the Coronavirus? It Depends on the Measure](#)
  - [The U.S. surpasses 11 million infections; Blacks and Latinos still shoulder an outside share](#)
  - [Moderna says early data show its vaccine is 94.5% effective in preventing Covid-19, joining Pfizer as a leader in the race to end the pandemic.](#)
  - [Moderna’s vaccine is 94.5% effective, early data shows](#)
  - [What you need to know about Moderna’s coronavirus vaccine](#)
  - [Pfizer’s Early Data Shows Vaccine Is More Than 90% Effective](#)
  - [U.S. health officials detail how people may start to get treatments and, once authorized, vaccines.](#)





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- [Missing From State Plans to Distribute the Coronavirus Vaccine: Money to Do It](#)
- [In Brazil's Halt of Chinese Vaccine Trial, Critics See Politics](#)
- [The C.D.C. updates its findings: Mask-wearing protects you, not just those around you.](#)
- [Inside the Chaotic, Cutthroat Gray Market for N95 Masks](#)
- [Limiting Indoor Capacity Can Reduce Coronavirus Infections, Study Shows](#)
- [Case on Churches, Cuomo and Coronavirus Arrives at Supreme Court](#)
- [The Children Never Had the Coronavirus. So Why Did They Have Antibodies?](#)
- [Measles deaths spiked worldwide in 2019 to the highest level in decades, new data shows. Experts fear the pandemic is weakening vaccination efforts.](#)
- [California is 'pulling the emergency brake' on its reopening plans.](#)
- [Philadelphia public schools have shelved plans to resume in-person classes.](#)
- [Developmental Disabilities Heighten Risk of Covid Death](#)
- [Europe Keeps Schools Open, Not Restaurants. The U.S. Has Other Ideas.](#)
- [Cocktails? Yes. School? No.](#)
- *UK Government Press Release*
  - [Ofsted: Children hardest hit by COVID-19 pandemic are regressing in basic skills and learning](#)
- *The Washington Post*
  - [The U.S. has absolutely no control over coronavirus. China is on top of the tiniest risks.](#)
  - [When coffee smells like gasoline: Covid isn't just stealing senses – it may be warping them](#)
  - [Trump officials promise fair distribution of new covid-19 antibody drug, but limited supply and logistical problems loom](#)
- *STAT News*
  - [Restaurants and gyms were spring 'superspreader' sites. Occupancy limits could control Covid, new study predicts](#)
  - [Covid-19 vaccine from Pfizer and BioNTech is strongly effective, early data from large trial indicate](#)
  - [For Eli Lilly's newly authorized Covid-19 treatment, a dosing discrepancy causes confusion](#)
- *Nature News*
  - [Why do COVID death rates seem to be falling?](#)
  - [What Pfizer's landmark COVID vaccine results mean for the pandemic](#)
- *Moderna Press Releases*
  - [Moderna Announces Longer Shelf Life for its COVID-19 Vaccine Candidate at Refrigerated Temperatures](#)
- *Science News*
  - [Champagne and questions greet first data showing that a COVID-19 vaccine works](#)
- *University of Oxford Press Release*
  - [Aspirin to be investigated as a possible treatment for COVID-19 in the RECOVERY trial](#)
- *Reuters*
  - [Novartis arthritis drug fails to help COVID-19 patients](#)
  - [Cold storage challenges could hamper distribution of Pfizer, Moderna COVID-19 vaccines - Fauci](#)
  - [Russia says its Sputnik V COVID-19 vaccine is 92% effective](#)
  - [Celltrion's COVID-19 Antibody Drug Cut Recovery Time: Early Study](#)
  - [U.S. government partners with pharmacy chains to increase COVID-19 vaccine access](#)
  - [U.S. allows emergency use of first COVID-19 antibody drug](#)
  - [U.S. infectious diseases group seeks more data on Lilly COVID-19 antibody drug](#)
- *AP News*
  - [Nursing home COVID-19 cases rise four-fold in surge states](#)





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- *Kaiser Health News*
  - [Nursing Homes Still See Dangerously Long Waits for COVID Test Results](#)
  - [Time to Discuss Potentially Unpleasant Side Effects of COVID Shots? Scientists Say Yes.](#)
- *CISION*
  - [More than Half of Disposable Gowns ECRI Tested Fail to Meet Necessary Protection Standards](#)
- *NPR/KQED*
  - [Moderna's COVID-19 Vaccine Shines In Clinical Trial](#)
  - [Federal Trade Commission Cracks Down On Unproven COVID-19 Treatment](#)
  - [U.S. Surgeon General Blames 'Pandemic Fatigue' For Recent COVID-19 Surge](#)
  - [The Pandemic Is Entering A Dangerous New Chapter. Here Are The Week's Big Takeaways](#)
  - [COVID-19 Hospitalizations Hit Record Highs. Where Are Hospitals Reaching Capacity?](#)
  - [Cities And States Are Imposing New COVID-19 Restrictions. Experts Say It's Not Enough](#)
  - [Over 1 Million Children Tested Positive For Coronavirus In The United States](#)
  - [How A Minneapolis Clinic Is Narrowing Racial Gaps In Health](#)
  - [At Least 231 People In Texas Jails And Prisons Have Died From COVID-19, Study Finds](#)
  - [After COVID-19 Diagnosis, Nearly 1 In 5 Are Diagnosed With Mental Disorder](#)
- *The Hill*
  - [1 in 5 coronavirus patients develop mental illness within 90 days](#)
- *The Wall Street Journal*
  - [Doctors Begin to Crack Covid's Mysterious Long-Term Effects](#)
- *UC Davis Health News*
  - [New cutting-edge rapid test detects both COVID-19 and flu](#)
- *Medscape*
  - [U.S. to Start Distributing Lilly COVID-19 Antibody This Week](#)
  - [Lung Ultrasound Beats Chest X-Ray for COVID-19 Diagnosis](#)
  - [Great Barrington Coauthor Backs Off Strict Reliance on Herd Immunity](#)
  - [How Did We Get to 10 Million COVID-19 Cases?](#)
- *CNN Health*
  - [Don't rely on a negative test result to see your family for Thanksgiving](#)
  - [Brazil resumes CoronaVac trial after pause over 'adverse event'](#)
- *The Hospitalist*
  - [Burnout risk may be exacerbated by COVID crisis](#)
- *National Geographic*
  - [The colleges with virtually no coronavirus cases](#)
- *Reno Gazette Journal*
  - [Renown confirms first COVID-19 patients at its parking garage alternate care site](#)
- *Office of Governor Gavin Newsom*
  - [Governor Newsom Announces New Immediate Actions to Curb COVID-19 Transmission](#)
- *The Sacramento Bee*
  - [California must reduce jail and prison populations to fight COVID-19 — and racism](#)
- *SF Gate*
  - [Why COVID-19 is surging in California and the Bay Area](#)
- *Los Angeles Times*
  - [California breaks single-day record for new COVID-19 cases amid sweeping new restrictions](#)





SAN MATEO COUNTY HEALTH

## PUBLIC HEALTH, POLICY & PLANNING

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- [San Francisco, long hailed for beating COVID-19, now faces a spike in cases](#)
- [L.A. County sees highest number of coronavirus cases in one day since the summer](#)
- [Weekend COVID-19 surge alarms L.A. officials amid talk of curfew, more actions](#)
- *Abc7 News*
  - [San Francisco temporarily shut down 11 bars since March due to repeated COVID-19 health order violations, officials say](#)
- *Mercury News*
  - [Coronavirus: A month-by-month look at our path forward](#)
- *San Francisco Chronicle*
  - [California hits 1 million coronavirus cases](#)
  - [California joins most of U.S. in 'uncontrolled' coronavirus spread](#)
  - [California nursing homes see surge in coronavirus cases amid statewide spike](#)
  - [Bay Area coronavirus surge could mean a huge reopening reversal as soon as next week](#)
  - [Bay Area counties issue guidance for holiday travel and gatherings](#)
  - [Bay Area's coronavirus spike underscores risks of holiday gatherings](#)
  - [Indoor dining is getting shut down across the Bay Area](#)
  - [Santa Clara, Contra Costa counties say no more indoor dining for now](#)
  - [San Francisco has handled the coronavirus pandemic well: But at what cost?](#)
  - [Charts show why S.F. is at opposite end of coronavirus tier system from L.A., San Diego](#)
  - [EU agency: Coronavirus spread in minks could speed mutations](#)

### EPIDEMIOLOGY UPDATES

- **US Leads the World in Confirmed COVID-19 Cases** per [Johns Hopkins University Center for Systems Science and Engineering Dashboard Website](#)
- [Johns Hopkins COVID-19 in the USA](#) – daily summary of key data on COVID-19 in the U.S.
- **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 November 18, 2020**
- [San Mateo County COVID-19 Dashboard](#)
- [Santa Clara County COVID-19 Dashboard](#)

### ADDITIONAL COVID-19 RESOURCES

- [San Mateo County COVID-19 Guidance and Resources for Clinicians and Facilities – COVID-19 Digests](#)
- [Palo Alto Online tracking the coronavirus in San Mateo and Santa Clara counties](#)
- [California COVID-19 Data and Tools](#)
- [CDPH COVID-19 Assessment and Modeling Tool](#)
- [California Department of Corrections and Rehabilitations Population COVID-19 Tracking Dashboards](#)
- [COVID-19 Nursing Home Data](#)
- [CDC Interactive Serology Dashboard for Commercial Laboratory Surveys](#)
- [CDC COVID-19 Forecasts: Deaths](#)
- [HHS Coronavirus Data Hub](#)

