CLINICAL PEARL

- According to a recently published study comparing pediatric patients with multisystem inflammatory syndrome (MIS-C) to other febrile pediatric outpatients, the MIS-C patients reported a higher median maximal temperature (40 degrees C vs 38.9, \( P < .0001 \)), increased frequency of abdominal pain, neck pain, conjunctivitis, oral mucosal irritation, extremity swelling or rash and generalized rash. Patients with MIS-C demonstrated lower absolute lymphocyte (\( p<0.0001 \)) and platelet counts (\( p<0.05 \)) and higher C-reactive protein concentrations (\( p<0.001 \)).

PUBLIC HEALTH UPDATE

- FDA: Potential for False Positive Results with Antigen Tests for Rapid Detection of SARS-CoV-2

GUIDANCE/GUIDELINES

- NIH COVID-19 Treatment Guidelines: Influenza and COVID-19
- CDC Interim Guidance:
  - Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease (COVID-19)
  - Wearing of face masks while on public conveyances and at stations, ports, and similar transportation hubs
- IDSA COVID-19 Information and Safety Resources: Face Coverings and Masks

RESOURCES

- CDC Commercial Laboratory Seroprevalence Surveys
- CDC/IDSA COVID-19 Clinician Call:
  - MIS in Adults & Children: Clinical Considerations Across the Age Continuum
  - Herd Immunity & Vaccines Update
- IDSA
  - Media Briefing: COVID & Campus
  - Navigating the COVID-19 "Infodemic" – Staying Ahead of Misinformation
- UCSF Special Medical Grand Grounds: The Third Wave, the View from Wisconsin, and Navigating Risk is COVID-19
- American Academy of Pediatrics Children and COVID-19 - State Level Data Report
- Carnegie Mellon University COVIDcast | Real-time COVID-19 Indicators
- United in Research COVID-19 Testing Strategy Simulator

ACADEMIC/RESEARCH PAPERS

- The Journal of Pediatrics
  - Discriminating MIS-C Requiring Treatment from Common Febrile Conditions in Outpatient Settings
- Hospital Pediatrics
  - Characteristics of Hospitalized Children With SARS-CoV-2 in the New York City Metropolitan Area
- Journal of Pediatric Psychology
  - Child and Family Outcomes Following Pandemics: A Systematic Review and Recommendations on COVID-19 Policies
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**BMJ Journal**
- Role of children in household transmission of COVID-19
- Convalescent plasma is ineffective for covid-19
- Prediction models for covid-19 outcomes
- Living risk prediction algorithm (QCOVID) for risk of hospital admission and mortality from coronavirus 19 in adults: national derivation and validation cohort study
- Risk stratification of patients admitted to hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: development and validation of the 4C Mortality Score

**Clinical Infectious Diseases**
- Outcomes of COVID-19 related hospitalization among people with HIV in the ISARIC WHO Clinical Characterisation Protocol (UK): a prospective observational study

**New England Journal of Medicine**
- Safety and Immunogenicity of Two RNA-Based Covid-19 Vaccine Candidates

**Science**
- Viral epitope profiling of COVID-19 patients reveals cross-reactivity and correlates of severity
- Prothrombotic autoantibodies in serum from patients hospitalized with COVID-19

**Journal of Biological Chemistry**
- Presence of hyaluronan in lung alveoli in severe Covid-19 - an opening for new treatment options?

**Viruses**
- Frequency and Duration of SARS-CoV-2 Shedding in Oral Fluid Samples Assessed by a Modified Commercial Rapid Molecular Assay

**Nature**
- Distinct antibody responses to SARS-CoV-2 in children and adults across the COVID-19 clinical spectrum
- Modeling COVID-19 scenarios for the United States

**Annals of Internal Medicine**
- Effect of Timing of and Adherence to Social Distancing Measures on COVID-19 Burden in the United States A Simulation Modeling Approach

**Cell Reports**
- HSV-1 and Zika Virus but Not SARS-CoV-2 Replicate in the Human Cornea and Are Restricted by Corneal Type III Interferon
- High-Density Amplicon Sequencing Identifies Community Spread and Ongoing Evolution of SARS-CoV-2 in the Southern United States

**medRxiv**
- Cognitive deficits in people who have recovered from COVID-19 relative to controls: An N=84,285 online study
- Improving COVID-19 critical care mortality over time in England: A national cohort study, March to June 2020

**Journal of Hospital Medicine**
- Trends in COVID-19 Risk-Adjusted Mortality Rates

**PLOS Medicine**
- Variation in racial/ethnic disparities in COVID-19 mortality by age in the United States: A cross-sectional study
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- **JAMA**
  - Laboratory Findings Associated With Severe Illness and Mortality Among Hospitalized Individuals With Coronavirus Disease 2019 in Eastern Massachusetts
  - Association Between Nursing Home Crowding and COVID-19 Infection and Mortality in Ontario, Canada
  - Risk of Severe COVID-19 Among Workers and Their Household Members
  - US Clinicians’ Experiences and Perspectives on Resource Limitation and Patient Care During the COVID-19 Pandemic
  - Coronavirus Disease 2019 and the Athletic Heart - Emerging Perspectives on Pathology, Risks, and Return to Play
  - Characteristics Associated With Racial/Ethnic Disparities in COVID-19 Outcomes in an Academic Health Care System

- **Journal of Immigrant and Minority Health**
  - Intersectional Disparities Among Hispanic Groups in COVID-19 Outcomes

- **The Lancet**
  - Estimating the infection-fatality risk of SARS-CoV-2 in New York City during the spring 2020 pandemic wave: a model-based analysis
  - SARS-CoV-2 seroprevalence and transmission risk factors among high-risk close contacts: a retrospective cohort study
  - Persistence of viral RNA, pneumocyte syncytia and thrombosis are hallmarks of advanced COVID-19 pathology
  - Association of Body Mass Index and Other Metabolic Risk Factors with Pneumonia Outcomes in Critically Ill Patients with Coronavirus Disease-19: An International Multicenter Retrospective Cohort Study
  - Exaggerated risk of transmission of COVID-19 by fomites

- **Virology Journal**
  - The effect of temperature on persistence of SARS-CoV-2 on common surfaces

- **Journal of Medical Virology**
  - Lowering the transmission and spread of human coronavirus

- **Infection Control and Hospital Epidemiology**
  - Environmental contamination in a coronavirus disease 2019 (COVID-19) intensive care unit—What is the risk?

- **Occupational Medicine**
  - Effects of universal masking on Massachusetts healthcare workers’ COVID-19 incidence

- **Journal of the American Heart Association**
  - The Impact of Coronavirus disease 2019 (COVID-19) on Patients with Congenital Heart Disease across the Lifespan: The Experience of an Academic Congenital Heart Disease Center in New York City
  - Statin Use and In-Hospital Mortality in Diabetics with COVID-19

- **Circulation**
  - Growth Differentiation Factor-15 Provides Prognostic Information Superior to Established Cardiovascular and Inflammatory Biomarkers in Unselected Patients Hospitalized with COVID-19

- **Thrombosis Research**
  - Therapeutic versus prophylactic anticoagulation for severe COVID-19: A randomized phase II clinical trial (HESACOVID)
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- PLOS One
  - Patterns of organizing pneumonia and microinfarcts as surrogate for endothelial disruption and microangiopathic thromboembolic events in patients with coronavirus disease 2019
- CHEST Journal
  - CLINICAL OUTCOMES IN DIABETIC VS NON-DIABETIC PATIENTS WITH SEVERE COVID-19
- Annals of the American Thoracic Society
  - Association of SARS-CoV-2 Genomic Load with COVID-19 Patient Outcomes
- The Journal of Clinical Endocrinology and Metabolism
  - Radiological Thoracic Vertebral Fractures are Highly Prevalent in COVID-19 and Predict Disease Outcomes
- Journal of Internal Medicine
  - Use of proton pump inhibitors and risk of adverse clinical outcomes from COVID-19: a meta-analysis
- Gastroenterology
  - Famotidine Use Is Not Associated With 30-day Mortality: A Coarsened Exact Match Study in 7158 Hospitalized COVID-19 Patients from a Large Healthcare System
- Anesthesia & Analgesia
  - Aspirin Use is Associated with Decreased Mechanical Ventilation, ICU Admission, and In-Hospital Mortality in Hospitalized Patients with COVID-19
- bioRxiv
  - Intranasal fusion inhibitory lipopeptide prevents direct contact SARS-CoV-2 transmission in ferrets
- Critical Reviews in Oral Biology and Medicine
  - Antiviral Activity of Reagents in Mouth Rinses against SARS-CoV-2
- Trends in Neurosciences
  - Is COVID-19 a Perfect Storm for Parkinson’s Disease?
- IEEE Open Journal of Engineering in Medicine and Biology
  - COVID-19 Artificial Intelligence Diagnosis using only Cough Recordings
- Emerging Infectious Diseases
  - Multidrug-Resistant Candida auris Infections in Critically Ill Coronavirus Disease Patients, India, April–July 2020
- Eurosurveillance
  - Surveillance of COVID-19 school outbreaks, Germany, March to August 2020
- Insights for Education
  - COVID-19 and Schools: What We Can Learn from Six Months of Closures and Reopening
- Children’s Hospital of Philadelphia PolicyLab
  - Executive Summary: Evidence and Guidance for In-Person Schooling during the COVID-19 Pandemic
- The Rockefeller Foundation, Duke Margolis Center for Health Policy, Johns Hopkins Center for Health Security
  - Risk Assessment and Testing Protocols for Reducing SARS-CoV-2 Transmission in K-12 Schools
- IZA Institute of Labor Economics
  - School Re-Openings after Summer Breaks in Germany Did Not Increase SARS-CoV-2 Cases
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MMWR

- Birth and Infant Outcomes Following Laboratory-Confirmed SARS-CoV-2 Infection in Pregnancy — SET-NET, 16 Jurisdictions, March 29–October 14, 2020
- Update: Characteristics of Symptomatic Women of Reproductive Age with Laboratory-Confirmed SARS-CoV-2 Infection by Pregnancy Status — United States, January 22–October 3, 2020
- Transmission of SARS-CoV-2 Infections in Households — Tennessee and Wisconsin, April–September 2020
- Telework Before Illness Onset Among Symptomatic Adults Aged ≥18 Years With and Without COVID-19 in 11 Outpatient Health Care Facilities — United States, July 2020
- Network Characteristics and Visualization of COVID-19 Outbreak in a Large Detention Facility in the United States — Cook County, Illinois, 2020
- Declines in SARS-CoV-2 Transmission, Hospitalizations, and Mortality After Implementation of Mitigation Measures — Delaware, March–June 2020
- Characteristics of Hospitalized COVID-19 Patients Discharged and Experiencing Same-Hospital Readmission — United States, March–August 2020
- A SARS-CoV-2 Outbreak Illustrating the Challenges in Limiting the Spread of the Virus — Hopi Tribe, May–June 2020
- Notes from the Field: Development of an Enhanced Community-Focused COVID-19 Surveillance Program — Hopi Tribe, June–July 2020

HOT OFF THE (LAY) PRESS

- AP News
  - As virus flares globally, new strategies target hot spots
  - US overdose deaths appear to rise amid coronavirus pandemic
- The New York Times
  - U.S. Hits a Record 121,000 Daily Cases
  - For the first time, the U.S. recorded over 100,000 new coronavirus cases in a single day. Many areas are facing their worst weeks of the pandemic yet.
  - Smashing a single-day record, U.S. enters new terrain as hospitalizations increase
  - United States records over 1,000 deaths for fourth straight day
  - An Explanation for Some Covid-19 Deaths May Not Be Holding Up
  - Covid in the U.S.: Latest Map and Case Count
  - Italy will seal off six regions and limit movement within them, its most drastic measures since the spring, in an effort to stop a virus resurgence
  - Europe’s Hospital Crunch Grows More Dire, Surpassing Spring Peak
  - Denmark Will Kill All Farmed Mink, Citing Coronavirus Infections
  - A California city says the police can remove maskless customers from stores. The police aren’t so sure
  - How Are Americans Catching the Virus? Increasingly, ‘They Have No Idea’
  - Pfizer’s Early Data Shows Vaccine Is More Than 90% Effective
  - The F.D.A. gave emergency approval to an experimental antibody treatment for Covid-19 made by Eli Lilly. It’s similar to one President Trump received
  - Eli Lilly’s Antibody Treatment Gets Emergency F.D.A. Approval
  - Nasal Spray Prevents Covid Infection in Ferrets, Study Finds
  - When the Virus Came for the American Dream
  - While the pandemic wrecked some businesses, others did fine, and even great
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- A Rapid Virus Test Falters in People Without Symptoms, Study Finds
- Pregnant Women Face Increased Risks From Covid-19
- Tracking the Coronavirus at U.S. Colleges and Universities
- Schoolchildren Seem Unlikely to Fuel Coronavirus Surges, Scientists Say
- Surprising Results in Initial Virus Testing in N.Y.C. Schools
- ‘Out of Control’: When Schools Opened in a Virus Hot Spot
- In San Francisco, Closed Public Schools, Open Private Schools

- The Conversation
  - Death rates have fallen by 18% for hospitalized COVID–19 patients as treatments improve

- NPR/KQED
  - Studies Point To Big Drop In COVID-19 Death Rates
  - Are the Risks Of Reopening Schools Exaggerated?
  - New Daily U.S. Coronavirus Cases Jump Nearly 20%, Hitting Almost 122,000
  - ICU Doctor Stresses COVID-19 Severity In Communities Of Color, Faults White House
  - Hospital Bills For Uninsured COVID-19 Patients Are Covered, But No One Tells Them
  - Tourism Trickles Back as SF Recommends (But Doesn’t Require) a Quarantine for Holiday Season Travelers
  - President-Elect Biden Has A Plan To Combat COVID-19. Here’s What’s In It
  - Biden Names 13 Health Experts To COVID-19 Transition Advisory Board
  - First COVID-19 Vaccine Doses To Go To Health Workers, Say CDC Advisers
  - U.K. Preparing COVID-19 Vaccine Trials That Deliberately Expose Study Subjects

- Imperial College London News
  - UK researchers to explore human challenge studies for COVID-19

- Biocentury
  - Ethics arising from EUAs could disrupt COVID-19 vaccine trials

- USA Today
  - A ‘Herculean’ effort: States finalize their COVID-19 vaccine distribution plans

- Roll Call
  - Officials clarify military role in coronavirus vaccination amid wariness

- The Hill
  - Trump health officials announce plan for free COVID vaccines in nursing homes
  - CDC knew first coronavirus test was flawed but released it anyway: report

- Kaiser Family Foundation
  - State Variation in Seasonal Flu Vaccination: Implications for a COVID-19 Vaccine

- The Washington Post
  - Johnson & Johnson, AstraZeneca coronavirus vaccine trials set to resume
  - How the Sturgis Motorcycle Rally may have spread coronavirus across the Upper Midwest
  - Texas woman died of covid-19 on a Spirit Airlines flight to Las Vegas
  - Canada’s post-Thanksgiving coronavirus surge could be a cautionary tale for Americans
  - Australia has almost eliminated the coronavirus – by putting faith in science
  - Stop wiping down groceries and focus on bigger risks, say experts on coronavirus transmission
  - A powerful argument for wearing a mask, in visual form
  - Top Trump advisor bluntly contradicts president on covid-19 threat, urging all-out response
  - The path to herd immunity would be lined with half a million dead Americans
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- STAT News
  - We cannot rely on magical thinking: Herd immunity is not a plan
  - Covid-19 vaccine from Pfizer and BioNTech is strongly effective, early data from large trial indicate

- The Atlantic
  - The Simple Rule That Could Keep COVID-19 Deaths Down

- WebMD
  - El Paso Gets 4th Mobile Morgue as Deaths Surge

- University of Iowa Hospitals and Clinics
  - Iowa hospitals are experiencing the worst chapter of the pandemic so far. Here’s how you can stop it from getting worse

- CBS News
  - Idaho county drops mask mandate despite warning of overwhelmed hospital
  - Inside the Operation Warp Speed effort to get Americans a COVID-19 vaccine
  - Supplies of N95 masks running low as COVID-19 surges

- NIH Director’s Blog
  - Face Coverings Could Save 130,000 American Lives from COVID-19 by March

- Science Speaks: Global ID News
  - COVID-19: With high tide waves across America, a request to the National Academy of Medicine on masks

- The Wall Street Journal
  - Face Masks Are Again in Short Supply as Covid-19 Cases Surge

- mHealth Intelligence Policy News
  - Lawmakers Eye Medicare Coverage for COVID-19 Tests Via Telehealth

- Business Insider
  - Costco is selling at-home COVID-19 tests for $130

- Science Alert
  - MIT Team's Cough Detector Identifies 97% of COVID-19 Cases Even in Asymptomatic People

- CNN
  - This 14-year-old girl won a $25K prize for a discovery that could lead to a cure for Covid-19

- Medscape
  - Teen Finds 'Better Way' to Test for COVID
  - Rinse and Repeat? Mouthwash Might Mitigate COVID-19 Spread
  - Skin Symptoms Common in COVID 'Long-Haulers'
  - US Sets Another COVID Record, Hospitals Scramble
  - Around the World in 24 Hours: A Snapshot of COVID's Global Havoc

- Reuters
  - Risk of inflight spread of COVID-19 'very low', not zero: WHO
  - U.S. FDA warns about false positive results from COVID-19 antigen tests

- Health Affairs
  - COVID-19 And Health Disparities: Insights From Key Informant Interviews

- BBC
  - Denmark to cull up to 17 million mink amid coronavirus fears

- Seattle Times
  - Nontraditional nursing homes have almost no coronavirus cases. Why aren't they more widespread?
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- **Los Angeles Times**
  - L.A. County coronavirus cases hit highest daily level in three months
  - L.A. County declares new coronavirus surge, sparking increased alarms
  - From weddings to dinner out, how wholesome gatherings could bring next COVID-19 wave

- **University of California Press Releases**
  - Smartphone notification pilot expands at UC locations to help limit spread of COVID-19 using privacy-first technology

- **San Francisco Chronicle**
  - California to double coronavirus testing capacity by spring, governor says
  - Bay Area counties hold steady in state’s latest coronavirus tier assignments
  - Coronavirus cases are rising again in the Bay Area. Here’s what that means
  - Bay Area health officials considering coronavirus travel advisory
  - To avoid surge, S.F. halts reopening as coronavirus cases, hospitalizations rise
  - S.F. school board members push plan for first students to return Jan. 25 with possible vote next week
  - S.F. contact tracing reached more than 80% of patients in the spring
  - First known case in Bay Area of dual coronavirus-flu infection found in Solano County
  - Potential transfers out of San Quentin raise dire concerns for inmates
  - Record 61,000 children in the U.S. infected with coronavirus last week
  - Stanford researchers blame Trump campaign rallies for an estimated 700 coronavirus deaths

**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 12, 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