

COVID-19 Evidence Update

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Useful Links

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Latest information and guidance

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[Pediatric mental and behavioral health in the period of quarantine and social distancing \(COVID-19\)](#)

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[Pills to think about in allergic rhinitis children during COVID-19 era](#)

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[Do psychotropic drugs used during COVID-19 therapy have an effect on the treatment process?](#)
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[How do Funeral Practices impact Bereaved Relatives' Mental Health, Grief and Bereavement? A Mixed Methods Review with Implications for COVID-19](#)
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[Impact of COVID-19 pandemic on mental health of young people and adults: a systematic review protocol of observational studies](#)
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[Prevalence of Anxiety and Associated Factors for Chinese Adolescents during the COVID-19 Outbreak](#)

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[Sex differences in SARS-CoV-2 infection rates and the potential link to prostate cancer](#)
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[Telemedicine During the COVID-19 Pandemic: Impact on Care for Rare Cancers](#)
JCO Global Oncology

[The 3 B's of cancer care amid the COVID-19 pandemic crisis: “Be safe, be smart, be kind”—A multidisciplinary approach increasing the use of radiation and embracing telemedicine for head and neck cancer](#)
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[Evaluating amblyopia during the era of COVID-19](#)

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[Relapsing viral keratoconjunctivitis in COVID-19: a case report](#)

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[Work based concerns and personal implications of COVID-19](#)

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Palliative Care

[Death, Dying, and Dignity in the Time of the COVID-19 Pandemic](#)

Journal of Palliative Medicine
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[Palliative Care Team Involvement in Patients With COVID-19 in New York City](#)

American Journal of Hospice and Palliative Medicine

[The Urgency of Spiritual Care: COVID-19 and the Critical Need for Whole-Person Palliation](#)

Journal of Pain and Symptom Management

Pathology

[A Confirmed Case of SARS-CoV-2 Pneumonia with Routine RT-PCR Negative and Virus Variation in Guangzhou, China](#)

Clinical Infectious Diseases

[A mechanistic model and therapeutic interventions for COVID-19 involving a RAS-mediated bradykinin storm](#)

Computational and Systems Biology, Human Biology and Medicine

[A review on histotechnology practices in COVID-19 pathology investigations](#)

Journal of Histotechnology
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[Antiphospholipid antibodies in patients with COVID-19: a relevant observation?](#)

Journal of Thrombosis and Haemostasis

[BTK/ITK dual inhibitors: Modulating immunopathology and lymphopenia for COVID-19 therapy](#)

Journal of Leukocyte Biology
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[Changes in RT-PCR test results and symptoms during the menstrual cycle of female individuals infected with SARS-CoV-2: Report of two cases](#)

Journal of Medical Virology
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[Clinical evaluation of self-collected saliva by RT-qPCR, direct RT-qPCR, RT-LAMP, and a rapid antigen test to diagnose COVID-19](#)

Journal of Clinical Microbiology

[Detection of Viral RNA Fragments in Human iPSC-Cardiomyocytes following Treatment with Extracellular Vesicles from SARS-CoV-2 Coding-Sequence-Overexpressing Lung Epithelial Cells](#)

bioRxiv

Pre-print – not peer reviewed

[Disappearance of SARS-CoV-2 Antibodies in Infants Born to Women with COVID-19, Wuhan, China](#)

Emerging Infectious Diseases

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[Duration of SARS-CoV-2 RNA shedding and factors associated with prolonged viral shedding in patients with COVID-19](#)

Journal of Medical Virology

[Dynamic changes of D-dimer and neutrophil-lymphocyte count ratio as prognostic biomarkers in COVID-19](#)

Respiratory Research

[Hidden genomic diversity of SARS-CoV-2: implications for qRT-PCR diagnostics and transmission](#)

bioRxiv

Pre-print – not peer reviewed

[High neutralizing antibody titer in intensive care unit patients with COVID-19](#)

Emerging Microbes & Infections

[Immune responses and pathogenesis in persistently PCR-positive patients with SARS-CoV-2 infection](#)

Journal of Medical Virology

[Kinetics of viral load and antibody response in relation to COVID-19 severity](#)

JCI

[Microfluidic Immunoassays for Sensitive and Simultaneous Detection of IgG/IgM/Antigen of SARS-CoV-2 within 15 min](#)

Analytical Chemistry

[Nucleic Acid Approaches to Antibody-based Therapeutics for COVID-19: A Perspective](#)

Journal of Allergy and Clinical Immunology

[Population-based surveys of antibodies against SARS-CoV-2 in Southern Brazil](#)

Nature Medicine

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[Preanalytical issues affecting the diagnosis of COVID-19](#)

Journal of Clinical Pathology

Viewpoint

[Protein structure analysis of the interactions between SARS-CoV-2 spike protein and the human ACE2 receptor: from conformational changes to novel neutralizing antibodies](#)

Cellular and Molecular Life Sciences

[Real-world evaluation of a novel technology for quantitative simultaneous antibody detection against multiple SARS-CoV-2 antigens in a cohort of patients presenting with COVID-19 syndrome](#)

Analyst

[RNA-dependent RNA Polymerase of SARS-CoV-2 as a Therapeutic Target](#)

Journal of Medical Virology

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[Role of inflammatory markers in corona virus disease \(COVID-19\) patients: A review](#)

Experimental Biology and Medicine

[SARS, MERS, COVID-19: Clinical Manifestations and Organ-System Complications: A Mini Review](#)

Pathogens and Disease

[SARS-CoV-2 viral load and antibody responses: the case for convalescent plasma therapy](#)

JCI

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[Screening of phytochemical compounds of *Tinospora cordifolia* for their inhibitory activity on SARS-CoV-2: an in silico study](#)

Journal of Biomolecular Structure and Dynamics
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[Serological tests confirm the low incidence of COVID-19 in chronic rheumatic inflammatory diseases treated with biological DMARD](#)

Annals of the Rheumatic Diseases
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[Serum antibody response in critically ill patients with COVID-19](#)

Intensive Care Medicine
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[Serum IgM against SARS-CoV-2 correlates with in-hospital mortality in severe/critical patients with COVID-19 in Wuhan, China](#)

Aging

[Serum KL-6 can distinguish between different phenotypes of severe COVID-19](#)

Journal of Medical Virology
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[Single cell transcriptome revealed SARS-CoV-2 entry genes enriched in colon tissues and associated with coronavirus infection and cytokine production](#)

Signal Transduction and Targeted Therapy
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[Single-cell analysis of SARS-CoV-2 receptor ACE2 and spike protein priming expression of proteases in the human heart](#)

Cardiovascular Research

[Snapshot of the evolution and mutation patterns of SARS-CoV-2](#)

bioRxiv

Pre-print – not peer reviewed

[Systematic profiling of ACE2 expression in diverse physiological and pathological conditions for COVID-19/SARS-CoV-2](#)

Journal of Cellular and Molecular Medicine
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[The early antibody response to SARS-Cov-2 infection](#)

Clinical Chemistry and Laboratory Medicine
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Public Health

[Mapping public health responses with attitude networks: the emergence of opinion-based groups in the UK's early COVID-19 response phase](#)

British Journal of Social Psychology

[Social determinants of health and inequalities in COVID-19](#)

European Journal of Public Health

[Social distancing, population density, and spread of COVID-19 in England: a longitudinal study](#)

BJGP Open

[The Effect of the COVID-19 Pandemic on Smoking Cessation Success](#)

Journal of Community Health

[The Detrimental Impact of the COVID-19 Crisis on Health Equity and Social Determinants of Health](#)
Journal of Public Health Management & Practice
Commentary

[The implications of silent transmission for the control of COVID-19 outbreaks](#)
PNAS

[The pandemic characteristics of 2019-nCoV: case-control study for severity and geographic locations for 2019-nCoV epidemics worldwide](#)
Italian Journal of Pediatrics
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Pulmonary/Respiratory

[Similarities between COVID-19 and anti-MDA5 syndrome: what can we learn for better care?](#)
European Respiratory Journal
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[Update on asthma prevalence in severe COVID-19 patients](#)
Allergy
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Surgery

[Recommendations on key practical measures in laparoscopic surgery during the COVID -19 pandemic](#)
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[Surgeons' response to COVID -19: modified workflow to adapt to the new normal](#)
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Telehealth

[Case Report: Rapid Development of Visualization Dashboards to Enhance Situation Awareness of COVID-19 Telehealth Initiatives at a Multi-Hospital Healthcare System](#)
Journal of the American Medical Informatics Association

[Exploring the adoption of telemedicine and virtual software for care of outpatients during and after COVID-19 pandemic](#)
Irish Journal of Medical Science

[Monitoring and Management of Home-Quarantined Patients With COVID-19 Using a WeChat-Based Telemedicine System: Retrospective Cohort Study](#)
JMIR

[National Geriatric Network Rapidly Addresses Trainee Telehealth Needs in Response to COVID -19](#)
Journal of the American Geriatrics Society
Brief Report

Testing

[COVID-19 Serological Tests: How Well Do They Actually Perform?](#)
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[COVID -19 swab collection and serological screening in lipoprotein apheresis unit](#)
Journal of Clinical Apheresis
Letter to the editor

[Diagnostic accuracy of serological tests for covid-19: systematic review and meta-analysis](#)
BMJ

[Simple 'Rule-of-6' predicts severe COVID-19 disease](#)
Clinical Infectious Diseases

[The optimal diagnostic methods for COVID-19](#)
Diagnosis

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[A Proposed Strategy for Management of Immunosuppression in Heart Transplant Patients with COVID-19](#)
Clinical Transplantation

[A role for human leucocyte antigens in the susceptibility to SARS-Cov-2 infection observed in transplant patients](#)
International Journal of Immunogenetics

[Current Precautions and Future Directions in Lung Transplantation during the COVID-19 Pandemic](#)
Transplant International

[Heart Transplantation in the Era of the SARS-CoV-2 Pandemic: Is It Safe and Feasible?](#)
Clinical Transplantation

[Kidney transplant patients with SARS-CoV-2 infection: the brescia renal COVID task force experience](#)
American Journal of Transplantation

[Severe COVID-19 in a patient with chronic graft-versus-host disease after hematopoietic stem cell transplant successfully treated with ruxolitinib](#)
Transplant Infectious Disease
Case report and literature review

[Suspension and resumption of kidney transplant programs during the COVID-19 pandemic: perspectives from patients, caregivers and potential living donors-a qualitative study](#)
Transplant International

[The impact of the COVID-19 pandemic on cardiac surgery and transplant services in Ireland's National Centre](#)
Irish Journal of Medical Science

Treatments

[A Retrospective Review of Memantine Use and COVID-19-associated Mortality from a National Database](#)
Journal of Medical Virology
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[Lopinavir/ritonavir is associated with pneumonia resolution in COVID-19 patients with influenza coinfection: a retrospective matched-pair cohort study](#)
Journal of Medical Virology

[Research progress on repositioning drugs and specific therapeutic drugs for SARS-CoV-2](#)
Future Medicinal Chemistry
Review

[Repurposed immunomodulatory drugs for Covid-19 in pre-ICu patients - mulTi-Arm Therapeutic study in pre-ICu patients admitted with Covid-19 – Repurposed Drugs \(TACTIC-R\): A structured summary of a study protocol for a randomised controlled trial](#)

Trials
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[Revisiting potential druggable targets against SARS-CoV -2 and repurposing therapeutics under preclinical study and clinical trials: A comprehensive review](#)

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[Serious adverse events with tocilizumab: pharmacovigilance as an aid to prioritize monitoring in COVID-19](#)

British Journal of Clinical Pharmacology
Short report

[Successful Treatment of Covid-19 Associated Cytokine Release Syndrome with Colchicine. A Case Report and Review of Literature](#)

Immunological Investigations

[Tackling COVID-19 infection through complement-targeted immunotherapy](#)

British Journal of Pharmacology
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[The role of remdesivir in South Africa: preventing COVID-19 deaths through increasing ICU capacity](#)

Clinical Infectious Diseases

[The treatment and follow-up of “recurrence” with discharged COVID -19 patients: Data from Guizhou, China](#)

Environmental Microbiology

Urology

[Urology surgical activity and COVID-19: Risk assessment at the epidemic peak the parisian multicenter experience](#)

BJU International
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Vaccine

[Developing a SARS-CoV-2 Vaccine at Warp Speed](#)

JAMA
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[Development of an inactivated vaccine candidate for SARS-CoV-2](#)

Science
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[Development of a Synthetic Poxvirus-Based SARS-CoV-2 Vaccine](#)

bioRxiv
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[Epitope-based peptide vaccines predicted against novel coronavirus disease caused by SARS-CoV-2](#)

Virus Research

[Evaluating use cases for human challenge trials in accelerating SARS-CoV-2 vaccine development](#)

Clinical Infectious Diseases

[Immunoinformatic Analysis of T- and B-Cell Epitopes for SARS-CoV-2 Vaccine Design](#)

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[The Development of COVID-19 Vaccines - Safeguards Needed](#)

JAMA

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Miscellaneous

[Adapting a Hospital-at-Home Care Model to Respond to New York City's COVID -19 Crisis](#)

Journal of the American Geriatrics Society

Research Letter

[Sleep medicine durable medical equipment management during COVID-19 pandemic: our center's initial experience](#)

Journal of Clinical Sleep Medicine

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[The Landscape of Medical Literature in the Era of COVID-19: Original Research Versus Opinion Pieces](#)

Journal of General Internal Medicine

[The newly emerged COVID-19 disease: a systemic review](#)

Virology Journal

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[Transcatheter drug delivery through bronchial artery for COVID-19: is it fiction or could it come true?](#)

European Radiology Experimental

Hypothesis

[Transmission of SARS-CoV-2: an update of current literature](#)

European Journal of Clinical Microbiology & Infectious Diseases

Review

[Why Scotland's slow and steady approach to covid-19 is working](#)

BMJ

Opinion

Dynamed Plus - COVID-19 (Novel Coronavirus)

Latest updates

10 JUL 2020

decreased susceptibility to SARS-CoV-2 infection in children compared to adults plus decreased likelihood to show clinical symptoms may account for lower proportion of pediatric cases of COVID-19, and increased contact rates in children may have less of a role in transmission (Nat Med 2020 Jun)

[View in topic](#)

10 JUL 2020

12,102,328 confirmed cases of coronavirus disease 2019 (COVID-19) including 551,046 deaths worldwide reported by World Health Organization (WHO) as of July 10, 2020 (WHO Situation Report 2020 Jul 10)

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9 JUL 2020

hydroxychloroquine with or without azithromycin might reduce mortality in patients hospitalized with COVID-19; however, high rate of concurrent steroid use may have influenced results (Int J Infect Dis 2020 Jul 2 early online)

[View in topic](#)

8 JUL 2020

elevated procalcitonin and C-reactive protein levels and neutrophil counts and low lymphocyte counts associated with reduced survival in patients with COVID-19 (Clin Infect Dis 2020 Jun 18 early online)

[View in topic](#)

8 JUL 2020

chest computed tomography might help screen for COVID-19 in epidemic areas, but high false-positive rate may limit its utility (Open Forum Infect Dis 2020 Jun)

[View in topic](#)

8 JUL 2020

Abbott Architect IgG assay might have high specificity but low sensitivity < 14 days after symptom onset to detect earlier infection with SARS-CoV-2 (Clin Microbiol Infect 2020 Jun 9 early online)

[View in topic](#)

6 JUL 2020

no laboratory evidence for SARS-CoV-2 infection in children and adults presenting with chilblain lesions during COVID-19 pandemic (JAMA Dermatol 2020 Jun 25 early online)

[View in topic](#)

Public Health England

Topics added/updated in the last week

[COVID-19: guidance for sampling and for diagnostic laboratories](#) - 7 July 2020

[COVID-19: background information](#) - 10 July 2020

World Health Organisation – Rolling Updates

No new updates

Useful Links

[BMJ – latest news and resources for COVID-19](#)

[Cochrane Library Coronavirus \(COVID-19\): evidence relevant to critical care](#)

[Elsevier - Novel Coronavirus Information Center – Elsevier](#)

[European Centre for Disease Prevention and Control](#)

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