

## COVID-19 Evidence Update

Produced by the Clinical Librarian Service

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### Royal College/Society Guidance

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# Royal College/Society Guidance

## Latest information and guidance

NICE  
[Rapid guidelines and evidence summaries](#)

Royal College of Emergency Medicine  
[Covid-19 resources](#)

Royal College of General Practitioners  
[COVID-19](#)

Royal College of Obstetrics & Gynaecologists  
[Coronavirus \(COVID-19\), pregnancy and women's health](#)

Royal College of Paediatrics and Child Health  
[Key topics COVID 19](#)

Royal College of Pathologists  
[COVID-19 Resources Hub](#)

Royal College of Psychiatrists  
[COVID-19: Community mental health settings](#)

Royal College of Surgeons  
[COVID 19 Information Hub](#)

Royal Pharmaceutical Society  
[COVID-19](#)

British Society of Echocardiography  
[COVID-19 clinical guidance](#)

British Society of Gastroenterology  
[COVID 19 updates](#)

British Society for Haematology  
[COVID-19 Updates](#)

British Society for Rheumatology  
[COVID-19 updates for members](#)

Combined Intensive Care Society, Association of Anaesthetists, Royal College of Anaesthetists, Faculty of Intensive Care Medicine guidance  
[Clinical Guidance](#)

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## Healthcare Workers

[What the NHS is learning from the British army in the covid-19 crisis](#)  
BMJ

[Preventing transmission among operating room staff during COVID-19 pandemic: the role of the Aerosol Box and other personal protective equipment](#)  
Updates in Surgery  
Technical Note

[Redeployment in COVID-19: old dogs and new tricks](#)  
Emergency Medicine Journal  
Opinion

[Incidentally discovered COVID-19 in low-suspicion patients—a threat to front line health care workers](#)  
Emergency Radiology

[Impact of COVID-19 Outbreak on Healthcare Workers in Italy: Results from a National E-Survey](#)  
Journal of Community Health

[Symptom-based screening for COVID-19 in health care workers: The importance of fever](#)  
Journal of Hospital Infection

[COVID-19: PCR screening of asymptomatic healthcare workers at London hospital](#)

Lancet

Correspondence

[Supporting Hospital Staff During COVID-19: Early Interventions](#)

Occupational Medicine

[What should be done to support the mental health of healthcare staff treating covid-19 patients?](#)

British Journal of Psychiatry

[Sickness absence in healthcare workers during the COVID-19 pandemic](#)

Occupational Medicine

[Implementation and analysis of a telephone support service during COVID-19](#)

Occupational Medicine

[Vulnerability of nurse and physicians with COVID-19: Monitoring and surveillance needed](#)

Journal of Clinical Nursing

Editorial

[Comparing hospitalised, community and staff COVID-19 infection rates during the early phase of the evolving COVID-19 epidemic](#)

Journal of Infection

Letter to the editor

[Return to work for healthcare workers with confirmed COVID-19 infection](#)

Occupational medicine

[Call to Action for Advocacy of Immigrant Nurses during COVID-19 Pandemic](#)

Journal of Advanced Nursing

Editorial

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## Children & Neonates

[Don't Forget the Bubbles: An Evidence Summary of Paediatric Covid-19 Literature](#)

[Italian pediatric respiratory society recommendations on pediatric pulmonary function testing during COVID-19 pandemic](#)

Italian Journal of Pediatrics

Letter to the editor

[The psycho-social effects of COVID-19 on Italian adolescents' attitudes and behaviors](#)

Italian Journal of Pediatrics

Research

[Images in Practice: Painful Cutaneous Vasculitis in a SARS-Cov-2 IgG-Positive Child](#)

Pain and Therapy

[Clinical characteristics of COVID-19 in children: are they similar to those of SARS?](#)

Pediatric Pulmonology

[Immune Thrombocytopenia \(ITP\) in a SARS-CoV-2-Positive Pediatric Patient](#)

Pediatrics

Case Report

[The EPICENTRE \(ESPNIC Covid pEdiatric Neonatal Registry\) initiative: background and protocol for the international SARS-CoV-2 infections registry](#)  
European Journal of Pediatrics

[COVID-19 Associated Pediatric Multi-System Inflammatory Syndrome](#)  
Journal of the Pediatric Infectious Diseases Society

[A Case Report of Neonatal Acute Respiratory Failure Due to SARS-CoV-2](#)  
Journal of the Pediatric Infectious Diseases Society

[COVID 19 in neonates](#)  
The Journal of Maternal-Fetal & Neonatal Medicine

[Skin-to-Skin Care and COVID-19](#)  
Pediatrics

[Erythema multiforme-like lesions in children and COVID-19](#)  
Pediatric Dermatology  
Case Report

[Pediatric COVID-19-associated rhabdomyolysis: a case report](#)  
Pediatric Nephrology  
Rapid Communication

[CT Features of Coronavirus Disease \(COVID-19\) in 30 Pediatric Patients](#)  
American Journal of Roentgenology

[Chest CT imaging characteristics of COVID-19 pneumonia in preschool children: a retrospective study](#)  
BMC Pediatrics

[Crisis Standard of Care: Management of Infantile Spasms during COVID-19](#)  
Annals of Neurology  
Editorial

[Children with Coronavirus Disease 2019 \(COVID-19\): A Review of Demographic, Clinical, Laboratory and Imaging Features in 2,597 Pediatric Patients](#)  
Journal of Medical Virology  
Review

[Children are unlikely to be the main drivers of the COVID-19 pandemic – a systematic review](#)  
Acta Paediatrica  
Review

[Comparative study of the clinical characteristics and epidemiological trend of 244 COVID-19 infected children with or without GI symptoms](#)  
Gut  
Letter

[Gastrointestinal features in children with COVID-19: an observation of varied presentation in eight children](#)  
Lancet Child and Adolescent Health  
Correspondence

[Septic shock presentation in adolescents with COVID-19](#)  
Lancet Child and Adolescent Health  
Correspondence

[Association Between COVID-19 and Kawasaki Disease: Vigilance Required From Otolaryngologists](#)  
Otolaryngology–Head and Neck Surgery

[SARS-CoV-2 infection in Spanish children with chronic kidney pathologies](#)  
Pediatric Nephrology  
Brief Report

[Clinical and Psychological Issues in Children with Inflammatory Bowel Disease During COVID-19 Pandemic](#)  
Inflammatory Bowel Diseases

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## Obstetrics

[Management of newborns exposed to mothers with confirmed or suspected COVID-19](#)

Journal of Perinatology  
Review

[Immune Thrombocytopenia during Pregnancy due to COVID -19](#)

American Journal of Hematology  
Correspondence

[Detection of SARS-CoV-2 in human breastmilk](#)

Lancet  
Correspondence

[COVID-19 in Pregnant Women: Case Series from One Large New York City Obstetrical Practice](#)

American Journal of Perinatology

[Labor and Delivery Visitor Policies During the COVID-19 Pandemic: Balancing Risks and Benefits](#)

JAMA  
Viewpoint

[Clinical course of Coronavirus Disease-2019 \(COVID-19\) in pregnancy](#)

AOGS

[Prevention of thrombosis in pregnant women with suspected SARS-CoV -2 infection: clinical management algorithm](#)

Ultrasound in Obstetrics & Gynecology  
Letter to the editor

[Screening for COVID -19 at childbirth: does it deliver?](#)

Ultrasound in Obstetrics & Gynecology  
Letter to the editor

[Effects of SARS-CoV-2 infection on pregnant women and their infants: A retrospective study in Wuhan, China](#)

Archives of Pathology & Laboratory Medicine

[Vertical transmission of COVID-19: SARS-CoV-2 RNA on the fetal side of the placenta in pregnancies with COVID-19 positive mothers and neonates at birth](#)

American Journal of Obstetrics & Gynecology

[COVID-19 Antibody Testing in Pregnancy](#)

American Journal of Obstetrics & Gynecology

[Effects of the COVID-19 pandemic on anxiety and depressive symptoms in pregnant women: a preliminary study](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Near-term pregnant women's attitude toward, concern about and knowledge of the COVID-19 pandemic](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[Antenatal corticosteroids for pregnant women with COVID-19 infection and preterm prelabor rupture of membranes: a decision analysis](#)

The Journal of Maternal-Fetal & Neonatal Medicine

[COVID-19 pneumonia and pregnancy; a systematic review and meta-analysis](#)

The Journal of Maternal-Fetal & Neonatal Medicine  
Review

[Clinical Implications of Universal Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Testing in Pregnancy](#)

Obstetrics & Gynecology  
Research Letter

[Testing of Patients and Support Persons for Coronavirus Disease 2019 \(COVID-19\) Infection Before Scheduled Deliveries](#)

Obstetrics & Gynecology

[Clinical Findings and Disease Severity in Hospitalized Pregnant Women With Coronavirus Disease 2019 \(COVID-19\)](#)

Obstetrics & Gynecology

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## Adults and Older People

[Stay fit, don't quit: Geriatric Exercise Prescription in COVID-19 Pandemic](#)

Aging Clinical and Experimental Research

Letter to the editor

[Mortality in Older Patients with Covid-19](#)

Journal of the American Geriatrics Society

Letter to the editor

[Gender differences in patients with COVID-19: a narrative review](#)

International Journal of Cardiopulmonary Medicine and Rehabilitation

[A Framework for Aging-Friendly Services and Supports in the Age of COVID-19](#)

Journal of Aging & Social Policy

[Does this patient have COVID-19? A practical guide for the internist](#)

Internal and Emergency Medicine

Review

[Features of 20 133 UK patients in hospital with covid-19 using the ISARIC WHO Clinical Characterisation Protocol: prospective observational cohort study](#)

BMJ

[Delayed diagnosis of COVID-19 in a 34-year-old man with atypical presentation](#)

Lancet Respiratory Medicine

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## Palliative Care

[A Wish and a Worry: From a Doctor in Palliative Medicine to the Families of Those Dying from COVID-19](#)

Journal of Palliative Medicine

Poem

[Adapting a Comfort Care Order Set in a Large Health System during the COVID-19 Pandemic](#)

Journal of Palliative Medicine

Letter to the editor

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## Oncology

[Adaptations and modifications in the technique of laparoscopic hysterectomy with bilateral adnexectomy in the time of COVID-19](#)

International Journal of Gynecological Cancer

Video Article

[Radiotherapy in Southern Italy at the time of COVID-19: options for radiation oncology units](#)

International Journal of Gynecological Cancer

Editorial

[Weathering the Storm: Managing Older Adults with Breast Cancer Amid COVID-19 and Beyond](#)  
Journal of the National Cancer Institute

[ILROG emergency guidelines for radiation therapy of hematological malignancies during the COVID-19 pandemic](#)  
Blood  
Special Report

[Real-world assessment of the clinical impact of symptomatic infection with severe acute respiratory syndrome coronavirus \(COVID-19 disease\) in patients with Multiple Myeloma receiving systemic anti-cancer therapy.](#)  
British Journal of Haematology  
Letter

[IL-1 blockade with anakinra in acute leukaemia patients with severe COVID-19 pneumonia appears safe and may result in clinical improvement](#)  
British Journal of Haematology  
Letter

[Impact of the COVID-19 Outbreak on the Management of Patients with Cancer](#)  
Targeted Oncology  
Review

[The Landscape of Human Cancer Proteins Targeted by SARS-CoV-2](#)  
Cancer Discovery

[Martini-Klinik experience on prostate cancer surgery during the early phase of COVID-19](#)  
BJUI International

[Clinical course of COVID-19 infection in elderly patient with melanoma on nivolumab](#)  
Journal of Oncology Pharmacy Practice

[Which cancer type has the highest risk of COVID-19 infection?](#)  
Journal of Infection

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## Head & Neck

[Loss of Smell and Taste in 2013 European Patients With Mild to Moderate COVID-19](#)  
Annals of Internal Medicine  
Letter

[Anosmia in COVID-19 patients](#)  
Clinical Microbiology and Infection  
Letter to the editor

[Anosmia Is a Key Symptom of COVID-19 Infection and Should Be Used as a Diagnostic Tool](#)  
Ear, Nose & Throat Journal  
Letter

[Tracheotomy in COVID -19 patients: Optimizing patient selection and identifying prognostic indicators](#)  
Head & Neck

[Safe and effective management of tracheostomy in COVID -19 patients](#)  
Head & Neck

[Ventilation Techniques and Risk for Transmission of Coronavirus Disease, Including COVID-19](#)  
Annals of Internal Medicine  
Review

[A hybrid approach to tracheostomy in COVID -19 patients ensuring staff safety](#)

British Journal of Surgery  
Correspondence

[Timing of Tracheotomy in Intubated Patients With COVID-19](#)

Otolaryngology–Head and Neck Surgery

[Factors Associated With Intubation and Prolonged Intubation in Hospitalized Patients With COVID-19](#)

Otolaryngology–Head and Neck Surgery

[Aerosolized Particle Reduction: A Novel Cadaveric Model and a Negative Airway Pressure Respirator \(NAPR\) System to Protect Health Care Workers From COVID-19](#)

Otolaryngology–Head and Neck Surgery

[Application of a Modified Endoscopy Face Mask for Flexible Laryngoscopy During the COVID-19 Pandemic](#)

Otolaryngology–Head and Neck Surgery

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## Digestive

[Clinical Insights into the Gastrointestinal Manifestations of COVID-19](#)

Digestive Diseases and Sciences  
Review

[IBD in the Times of COVID-19](#)

Inflammatory Bowel Diseases  
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[Gastrointestinal: Bowel ischemia in a suspected coronavirus disease \(COVID-19\) patient](#)

Journal of Gastroenterology and Hepatology  
Case Report

[The liver in times of COVID-19: What hepatologists should know](#)

Annals of Hepatology  
Review

[Starting a Biologic Therapy in IBD Patients Amid COVID-19: Hold, Careful Monitoring, or Testing?](#)

Journal of Crohn's and Colitis

[Oral Iron for IBD Patients: Lessons Learned at Time of COVID-19 Pandemic](#)

Journal of Clinical Medicine

[Protecting patients with IBD during the COVID-19 pandemic](#)

Lancet Gastroenterology and Hepatology  
Correspondence

[Prevention of COVID-19 in patients with IBD](#)

Lancet Gastroenterology and Hepatology  
Correspondence

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## Pulmonary/Respiratory

[The pulmonary sequelae in discharged patients with COVID-19: a short-term observational study](#)

Respiratory Research  
Research

[Anticipating the impact of the COVID-19 pandemic on TB patients and TB control programmes](#)

Annals of Clinical Microbiology and Antimicrobials  
Review



[Electronic nicotine delivery systems \(ECs\) and COVID-19: the perfect storm for young consumers](#)

Clinical and Translational Oncology

Review

[Covid-19, Angiogenesis, and ARDS Endotypes](#)

NEJM

Editorial

[Pulmonary Vascular Endothelialitis, Thrombosis, and Angiogenesis in Covid-19](#)

NEJM

[Prone Position and Lung Ventilation/Perfusion Matching in Acute Respiratory Failure Due to COVID-19](#)

American Journal of Respiratory and Critical Care Medicine

Case Report

[ACE2, TMPRSS2 AND FURIN GENE EXPRESSION IN THE AIRWAYS OF PEOPLE WITH ASTHMA – IMPLICATIONS FOR COVID-19](#)

Journal of Allergy and Clinical Immunology

[Coexistent COVID-19 pneumonia and pulmonary embolism: challenges in identifying dual pathology](#)

Thorax

[The case for Chronotherapy in COVID-19 induced Acute Respiratory Distress Syndrome \(ARDS\).](#)

British Journal of Pharmacology

Review

[Smoking, ACE-2, and COVID-19: Ongoing Controversies](#)

European Respiratory Journal

[COVID-19 and vaping: risk for increased susceptibility to SARS-CoV-2 infection?](#)

European Respiratory Journal

[The liaison between respiratory failure and high blood pressure: evidence from COVID-19 patients](#)

European Respiratory Journal

[Continuous positive airway pressure to avoid intubation in SARS-CoV-2 pneumonia: a two-period retrospective case-control study](#)

European Respiratory Journal

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## Cardiology

[Considerations for Drug Interactions on QTc Interval in Exploratory COVID-19 Treatment](#)

Journal of the American College of Cardiology

[Interpretation of arrhythmogenic effects of COVID-19 disease through ECG](#)

The Aging Male

[Coronavirus Disease 2019 \(COVID-19\) Information for Cardiologists — Systematic Literature Review and Additional Analysis](#)

Circulation Journal

[Acute coronary syndromes during COVID-19](#)

European Heart Journal

[The Use of Chloroquine and Hydroxychloroquine in COVID-19 and Cardiovascular Implications: Understanding Safety Discrepancies to Improve Interpretation and Design of Clinical Trials](#)

Circulation: Arrhythmia and Electrophysiology

[Angioedema in COVID-19](#)

European Heart Journal

[Challenges in the management of older patients with acute coronary syndromes in the COVID-19 pandemic](#)

Heart

Review

[Unpredictable Fall of Severe Emergent Cardiovascular Diseases Hospital Admissions During the COVID-19 Pandemic: Experience of a Single Large Center in Northern Italy](#)

Journal of the American Heart Association

[Prosthetic aortic valve endocarditis complicated by COVID-19 and hemorrhage](#)

Journal of Cardiac Surgery

Case Report

[The role of ECMO in COVID-19: Can it provide rescue therapy in those who are critically ill?](#)

Journal of Cardiac Surgery

Review

[Conversion of Positive Pressure Cardiac Catheterization and Electrophysiology Laboratories to a Novel 2-Zone Negative Pressure System during COVID-19 Pandemic](#)

Journal of Cardiovascular Electrophysiology

Brief Communication

[Therapy with agents acting on the renin-angiotensin system and risk of SARS-CoV-2 infection](#)

Clinical Infectious Diseases

[Return to sports after COVID-19 infection: Do we have to worry about myocarditis?](#)

European Heart Journal

[Cardiac Arrhythmias in COVID-19 Infection](#)

Circulation: Arrhythmia and Electrophysiology

[Are COVID-19 Patients Dying of or with Cardiac Injury?](#)

American Journal of Respiratory and Critical Care Medicine

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## Nephrology

[COVID-19, Low-Molecular-Weight Heparin, and Hemodialysis](#)

Kidney and Blood Pressure Research

Editorial

[Kidney biopsy findings in a critically ill COVID-19 patient with dialysis-dependent acute kidney injury: a case against "SARS-CoV-2 nephropathy"](#)

Kidney International Reports

[A Continuous Renal Replacement Therapy Protocol for Patients with Acute Kidney Injury in Intensive Care Unit with COVID-19](#)

Journal of Clinical Medicine

[Sodium status and kidney involvement during COVID-19 infection](#)

Virus Research

# Transplant

[Specific organization for in-hospital belatacept infusion to avoid nosocomial transmission during the SARS-CoV-2 pandemic](#)

American Journal of Transplantation  
Letter to the editor

[Clinical practice guidance for hepatology and liver transplant providers during the COVID-19 pandemic: APASL expert panel consensus recommendations](#)

Hepatology International  
Consensus

[Clinical outcome in solid organ transplant recipients with COVID-19: A single-center experience](#)

American Journal of Transplantation  
Letter to the editor

[Tocilizumab for Hemophagocytic Syndrome in a Kidney Transplant Recipient With COVID-19](#)

Annals of Internal Medicine  
Letter

[COVID-19 in Liver Transplant Recipients: An Initial Experience from the U.S. Epicenter](#)

Gastroenterology

[What Solid Organ Transplant Healthcare Providers should know about Renin-Angiotensin-Aldosterone System Inhibitors and COVID-19](#)

The Journal of Clinical and Translational Research  
Review

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# Neurology

[Neuropathology of COVID-19: a spectrum of vascular and acute disseminated encephalomyelitis \(ADEM\)-like pathology](#)

Acta Neuropathologica  
Case Report

[Pearls and Oysters: Facial nerve palsy as a neurological manifestation of Covid-19 infection](#)

Neurology

[Generalized myoclonus in COVID-19](#)

Neurology

[The Virtual Neurologic Exam: Instructional videos and guidance for the COVID-19 era](#)

Canadian Journal of Neurological Sciences

[Acute Stroke Care Is at Risk in the Era of COVID-19](#)

Stroke  
Experience at a Comprehensive Stroke Center in Barcelona

[Delays in Stroke Onset to Hospital Arrival Time During COVID-19](#)

Stroke  
Experience from Hong Kong

[Impact of the COVID-19 Epidemic on Stroke Care and Potential Solutions](#)

Stroke

[Improving Stroke Care in Times of the COVID-19 Pandemic Through Simulation](#)

Stroke

[Preserving Access: A Review of Stroke Thrombectomy during the COVID-19 Pandemic](#)

American Journal of Neuroradiology  
Review

[CT Scanning in Suspected Stroke or Head Trauma: Is it Worth to go the Extra Mile and Include the Chest to Screen for COVID-19 Infection?](#)

American Journal of Neuroradiology

[Hemorrhagic Posterior Reversible Encephalopathy Syndrome as a Manifestation of COVID-19 Infection](#)

American Journal of Neuroradiology

[SARS-CoV-2 Infection Leads to Neurological Dysfunction](#)

Journal of Neuroimmune Pharmacology

Brief Report

[COVID-19 and the nervous system](#)

Journal of Neuroimmune Pharmacology

Review

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## Blood

[Fatal SARS-CoV-2 coinfection in course of EBV-associated lymphoproliferative disease](#)

Annals of Hematology

Letter to the editor

[Managing Sickle Cell Patients With COVID-19 Infection: The Need to Pool Our Collective Experience](#)

British Journal of Haematology

Letter

[Thromboembolism and anticoagulant therapy during the COVID-19 pandemic: interim clinical guidance from the anticoagulation forum](#)

Journal of Thrombosis and Thrombolysis

[Molecular mechanisms for thrombosis risk in black people: a role in excess mortality from Covid-19](#)

British Journal of Haematology

Letter

[Estimation of the number of blood donors during the COVID -19 incubation period across China and analysis of prevention and control measures for blood transfusion transmission](#)

Transfusion

[The BTK inhibitor ibrutinib may protect against pulmonary injury in COVID-19–infected patients](#)

Blood

Letter to the editor

[Heparin resistance in COVID-19 patients in the intensive care unit](#)

Journal of Thrombosis and Thrombolysis

[Expansion of Hospital-Based Blood Collections in the Face of COVID -19 Associated National Blood Shortage](#)

Transfusion

[Heparin – an old drug with multiple potential targets in Covid-19 therapy](#)

Journal of Thrombosis and Thrombolysis

Letter to the editor

[The association between severe COVID-19 and low platelet count: evidence from 31 observational studies involving 7613 participants](#)

British Journal of Haematology

Letter

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# Pathology

## [The hallmarks of COVID-19 disease](#)

PLOS Pathogens  
Review

## [Duration of SARS-CoV-2 viral RNA in asymptomatic carriers](#)

Critical Care  
Research Letter

## [Postmortem Examination of Patients With COVID-19](#)

JAMA  
Research letter

## [Analytical comparisons of SARS-COV-2 detection by qRT-PCR and ddPCR with multiple primer/probe sets](#)

Emerging Microbes & Infections  
Letter

## [Chronological Changes of Viral Shedding in Adult Inpatients with COVID-19 in Wuhan, China](#)

Clinical Infectious Diseases

## [Prognostic value of C-reactive protein in patients with COVID-19](#)

Clinical Infectious Diseases

## [Whole nucleocapsid protein of SARS-CoV-2 may cause false positive results in serological assays](#)

Clinical Infectious Diseases

## [Assay Techniques and Test Development for COVID-19 Diagnosis](#)

ACS Central Science

## [Alternative splicing of ACE2 possibly generates variants that may limit the entry of SARS-CoV-2: a potential therapeutic approach using SSOs](#)

Clinical Science  
Correspondence

## [Structural and Simulation analysis of hot spot residues interactions of SARS-CoV 2 with Human ACE2 receptor](#)

Journal of Biomolecular Structure and Dynamics

## [Covid-19 induced superimposed bacterial infection](#)

Journal of Biomolecular Structure and Dynamics

## [In-silico strategies for probing chloroquine based inhibitors against SARS-CoV-2](#)

Journal of Biomolecular Structure and Dynamics

## [Identification of phytochemical inhibitors against main protease of COVID-19 using molecular modeling approaches](#)

Journal of Biomolecular Structure and Dynamics

## [Potential anti-viral activity of approved repurposed drug against main protease of SARS-CoV-2: an in silico based approach](#)

Journal of Biomolecular Structure and Dynamics  
Letter to the editor

## [Clinical Significance of a High SARS-CoV-2 Viral Load in the Saliva](#)

Journal of Korean Medical Science

## [The value of clinical parameters in predicting the severity of COVID-19](#)

Journal of Medical Virology  
Research

## [Organoids of human airways to study infectivity and cytopathy of SARS-CoV-2](#)

The Lancet Respiratory Medicine  
Correspondence

[Immunoinformatic analysis of the SARS-CoV-2 envelope protein as a strategy to assess cross-protection against COVID-19](#)

Microbes and Infection

[A Multibasic Cleavage Site in the Spike Protein of SARS-CoV-2 Is Essential for Infection of Human Lung Cells](#)

Cell

Short article

[Molecular and serological assays for SARS-CoV-2: insights from genome and clinical characteristics](#)

Clinical Chemistry

[SARS-CoV-2 Persisted in Lung Tissue Despite Disappearance in Other Clinical Samples](#)

Clinical Microbiology and Infection

Letter to the editor

[To Interpret the SARS-CoV-2 Test, Consider the Cycle Threshold Value](#)

Clinical Infectious Diseases

[Selective Naked-Eye Detection of SARS-CoV-2 Mediated by N Gene Targeted Antisense Oligonucleotide Capped Plasmonic Nanoparticles](#)

ACS Nano

[ddPCR: a more accurate tool for SARS-CoV-2 detection in low viral load specimens](#)

Emerging Microbes & Infections

[Pulmonary and systemic involvement of COVID-19 assessed by ultrasound-guided minimally invasive autopsy](#)

Histopathology

[Testing for Novel Covid-19 antibodies: a necessary adjunct](#)

The Journal of Infectious Diseases

Letter to the editor

[Effects of methylprednisolone use on viral genomic nucleic acid negative conversion and CT imaging lesion absorption in COVID-19 patients under 50 years old](#)

Journal of Medical Virology

[Laboratory findings of COVID-19: a systematic review and meta-analysis](#)

Scandinavian Journal of Clinical and Laboratory Investigation

Review

[A novel one-step single-tube nested quantitative Real-Time PCR assay for highly sensitive detection of SARS-CoV-2](#)

Analytical Chemistry

[Thymosin alpha 1 \(Tα1\) reduces the mortality of severe COVID-19 by restoration of lymphocytopenia and reversion of exhausted T cells](#)

Clinical Infectious Diseases

[Predicting infectious SARS-CoV-2 from diagnostic samples](#)

Clinical Infectious Diseases

[Predictive molecular pathology in the time of COVID-19](#)

Journal of Clinical Pathology

[Antibody Tests in Detecting SARS-CoV-2 Infection: A Meta-Analysis](#)

Diagnostics

[Detection of Nucleocapsid Antibody to SARS-CoV-2 is More Sensitive than Antibody to Spike Protein in COVID-19 Patients](#)

Journal of Infectious Diseases

[Longitudinal Monitoring of SARS-CoV-2 IgM and IgG Seropositivity to Detect COVID-19](#)

The Journal of Applied Laboratory Medicine

[Reporting of D-dimer data in COVID-19: some confusion and potential for misinformation](#)  
Clinical Chemistry and Laboratory Medicine

[Influence of storage conditions on SARS-CoV-2 nucleic acid detection in throat swabs](#)  
Journal of Infectious Diseases

[Angiotensin-converting enzyme-2 \(ACE2\), SARS-CoV-2 and pathophysiology of coronavirus disease 2019 \(COVID-19\)](#)  
The Journal of Pathology  
Review

[Clinical and pathological investigation of severe COVID-19 patients](#)  
JCI Insight

[Serology characteristics of SARS-CoV-2 infection since exposure and post symptom onset](#)  
European Respiratory Journal

[Serology for SARS-CoV-2: Apprehensions, opportunities, and the path forward](#)  
Science Immunology

[The role of SARS-CoV-2 antibodies in COVID-19: Healing in most, harm at times](#)  
Respirology  
Commentary

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## Vaccine

[Developing Covid-19 Vaccines at Pandemic Speed](#)  
NEJM

[COVID-19 vaccines: knowing the unknown](#)  
European Journal of Immunology  
Commentary

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## Treatments

[COVID-19 infection also occurs in patients taking hydroxychloroquine](#)  
Journal of Antimicrobial Chemotherapy  
Letter to the editor

[Lack of viral clearance by the combination of hydroxychloroquine and azithromycin or lopinavir and ritonavir in SARS-CoV-2-related acute respiratory distress syndrome](#)  
Annals of Intensive Care  
Letter to the editor

[Early awake prone position combined with high-flow nasal oxygen therapy in severe COVID-19: a case series](#)  
Critical Care  
Research Letter

[Evaluation of the efficacy and safety of intravenous remdesivir in adult patients with severe COVID-19: study protocol for a phase 3 randomized, double-blind, placebo-controlled, multicentre trial](#)  
Trials  
Study Protocol

[COVID-19 and NSAIDs: A Narrative Review of Knowns and Unknowns](#)  
Pain and Therapy  
Commentary

[Treatments in the COVID-19 pandemic: an update on clinical trials](#)  
Expert Opinion on Emerging Drugs  
Editorial

[Repurposing approved drugs as inhibitors of SARS-CoV-2 S-protein from molecular modeling and virtual screening](#)

Journal of Biomolecular Structure and Dynamics

[The Potential of Memantine and related adamantanes such as amantadine, to reduce the neurotoxic effects of COVID-19, including ARDS and to reduce viral replication through lysosomal effects](#)

Journal of Medical Virology

Letter to the editor

[Clinical Outcomes in COVID-19 Patients Treated with Tocilizumab: An Individual Patient Data Systematic Review](#)

Journal of Medical Virology

Research

[Connecting hydroxychloroquine in vitro antiviral activity to in vivo concentration for prediction of antiviral effect: a critical step in treating COVID-19 patients](#)

Clinical Infectious Diseases

[Rapid repurposing of drugs for COVID-19](#)

Science

Perspective

[Nafamostat Mesylate Blocks Activation of SARS-CoV-2: New Treatment Option for COVID-19](#)

Antimicrobial Agents and Chemotherapy

Letter to the editor

[Updated Approaches against SARS-CoV-2](#)

Antimicrobial Agents and Chemotherapy

Mini Review

[Update on use of chloroquine/hydroxychloroquine to treat coronavirus disease 2019 \(COVID-19\)](#)

BioScience Trends

Communication

[A review on possible modes of actions of Chloroquine/ Hydroxychloroquine: Repurposing against SARS-CoV-2 \(COVID 19\) pandemic](#)

International Journal of Antimicrobial Agents

Review

[Macrolide treatment for COVID-19: Will this be the way forward?](#)

BioScience Trends

Letter

[Side effects of ruxolitinib in patients with SARS-CoV-2 infection: two case reports](#)

International Journal of Antimicrobial Agents

Letter to the editor

[Lopinavir pharmacokinetics in COVID-19 patients](#)

Journal of Antimicrobial Chemotherapy

Letter to the editor

[Remdesivir: Review of pharmacology, pre-clinical data and emerging clinical experience for COVID-19](#)

Pharmacotherapy

Review

[A rationale for targeting the P2X7 receptor in Coronavirus disease 19 \(Covid-19\)](#)

British Journal of Pharmacology

[Repositioning PARP inhibitors for SARS-CoV-2 infection \(COVID-19\); a new multi-pronged therapy for ARDS?](#)

British Journal of Pharmacology

Review

[Just the Facts: What drugs are safe and effective for COVID-19?](#)

Canadian Journal of Emergency Medicine



[Efficacy and safety of convalescent plasma for severe COVID-19 based on evidence in other severe respiratory viral infections: a systematic review and meta-analysis](#)

CMAJ

[Anti-Coagulant and Anti-Platelet Therapy in the COVID-19 Patient: A Best Practices Quality Initiative Across a Large Health System](#)

Journal of Hospital Practice

[Adjuvant corticosteroid therapy for critically ill patients with COVID-19](#)

Critical Care

Research Letter

[Baricitinib: a chance to treat COVID-19?](#)

Journal of Medical Virology

Letter to the editor

[The case for Chronotherapy in COVID-19 induced Acute Respiratory Distress Syndrome \(ARDS\).](#)

British Journal of Pharmacology

Review

[Use of specific antimicrobials for COVID-19: should we prescribe them now or wait for more evidence?](#)

Postgraduate Medical Journal

Editorial

[Convalescent Plasma Therapy: A Passive Therapy for An Aggressive COVID-19](#)

Journal of Medical Virology

Commentary

## Imaging

[Application of CareDose 4D combined with Karl 3D technology in the low dose computed tomography for the follow-up of COVID-19](#)

BMC Medical Imaging

Research Article

[Imaging evaluation of COVID-19 in the emergency department](#)

Emergency Radiology

[A proposed lung ultrasound and phenotypic algorithm for the care of COVID-19 patients with acute respiratory failure](#)

Canadian Journal of Anesthesia

[Rare CT feature in a COVID-19 patient: cavitation](#)

Diagnostic and Interventional Radiology

Letter to the editor

[Safety and role of chest CT in COVID-19 patients](#)

Diagnostic and Interventional Radiology

Letter to the editor

[Incidental SARS-CoV-2-related findings in asymptomatic patients in \[18F\]-FDG-PET/CT—potential insights](#)

European Journal of Nuclear Medicine and Molecular Imaging

Letter to the editor

[CT findings of COVID-19 in follow-up: comparison between progression and recovery](#)

Diagnostic and Interventional Radiology

[Incidental COVID-19 on PET/CT imaging](#)

CMAJ

[Chest imaging in patients with suspected COVID-19](#)

CMAJ

[Challenges in the interpretation and application of typical imaging features of COVID-19](#)

Lancet Respiratory Medicine  
Correspondence

[\[18F\]-FDG PET/CT for suspected lymphoma relapse in a patient with concomitant pneumococcal pneumonia during COVID-19 outbreak: unexpected SARS-Cov-2 co-infection despite double RT-PCR negativity](#)

European Journal of Nuclear Medicine and Molecular Imaging  
Image of the month

[Chest computed tomography findings of coronavirus disease 2019 \(COVID-19\) pneumonia](#)

European Radiology

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## Community and Mental Health

[Preventing COVID-19 in Assisted Living Facilities—A Balancing Act](#)

JAMA Internal Medicine  
Commentary

[Supporting Social Distancing for COVID-19 Mitigation Through Community-Based Volunteer Networks](#)

American Journal of Public Health  
Editorial

[Ethical Considerations for Psychologists in the Time of COVID-19](#)

American Psychologist

[Psychiatrist Experience of Remote Consultations by Telephone in an Outpatient Psychiatric Department during the Covid - 19 Pandemic.](#)

Irish Journal of Psychological Medicine

[Amid the COVID-19 Pandemic, Meaningful Communication between Family Caregivers and Residents of Long-Term Care Facilities is Imperative](#)

Journal of Aging & Social Policy

[Telehealth Home Support During COVID-19 Confinement for Community-Dwelling Older Adults With Mild Cognitive Impairment or Mild Dementia: Survey Study](#)

Journal of Medical Internet Research

[Rehabilitation Medicine Response to the COVID-19 Pandemic](#)

American Journal of Physical Medicine & Rehabilitation

[Mental health, physical activity and quality of life in Parkinson's disease during COVID-19 pandemic](#)

Movement Disorders  
Letter

[Psychological distress in serious mental illness patients during the COVID-19 outbreak and one-month mass quarantine in Italy](#)

Psychological Medicine

[Technology Literacy as a Barrier to Telehealth During COVID-19](#)

Telemedicine and e-Health

[Principles of mental health care during the COVID-19 pandemic](#)

European Psychiatry

[Nutritional management of COVID-19 patients in a rehabilitation unit](#)

EJCN  
Perspective

['Age and ageism in COVID-19': Elderly mental health-care vulnerabilities and needs](#)

Asian Journal of Psychiatry

[Addiction Psychiatry and COVID-19 – Impact on patients and service provision](#)  
Irish Journal of Psychological Medicine

[Assessment and Management of Anorexia Nervosa during COVID-19](#)  
Irish Journal of Psychological Medicine

[The Use of Telepsychiatry During COVID-19 and Beyond](#)  
Irish Journal of Psychological Medicine

[The impact of the COVID-19 infection in dentistry](#)  
Experimental Biology and Medicine

[The challenges of COVID-19 for community pharmacists and opportunities for the future](#)  
Irish Journal of Psychological Medicine

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## Ophthalmology

[COVID-19 Disease and Ophthalmology: An Update](#)  
Ophthalmology and Therapy

[The eye as the discrete but defensible portal of coronavirus infection](#)  
The Ocular Surface

[Ocular manifestations and clinical characteristics of 535 cases of COVID-19 in Wuhan, China: a cross-sectional study](#)  
Acta Ophthalmologica

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## Dermatology

[Immunosuppressive agents for dermatological indications in the ongoing COVID 19 pandemic: rationalizing use and clinical applicability](#)  
Dermatologic Therapy  
Review

[Diversity of clinical appearance of cutaneous manifestations in the course of COVID-19](#)  
JEADV  
Letter to the editor

[Silent COVID-19: what your skin can reveal](#)  
Lancet Infectious Diseases  
Correspondence

[Hidden threat lurking behind the alcohol sanitizers in CoVID -19 outbreak](#)  
Dermatologic Therapy  
Short Paper

[A late onset widespread skin rash in a previous Covid-19 infected patient: viral or multidrug effect?](#)  
JEADV  
Letter to the editor

[A clinicopathological study of 8 patients with COVID-19 pneumonia and a late-onset exanthema](#)  
JEADV  
Letter to the editor

[Acral purpuric lesions \(Erythema multiforme type\) associated with thrombotic vasculopathy in a child during the COVID-19 pandemic](#)  
JEADV  
Letter to the editor

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## Diabetes

[Association of Diabetes Mellitus with Disease Severity and Prognosis in COVID-19: A Retrospective Cohort Study](#)

Diabetes Research and Clinical Practice

[Characteristics and Outcomes of COVID-19 Positive Patients with Diabetes Managed as Outpatients](#)

Diabetes Research and Clinical Practice

[SARS-CoV-2 and Diabetes: New Challenges for the Disease](#)

Diabetes Research and Clinical Practice

Review

[COVID-19 symptoms masking inaugural ketoacidosis of type 1 diabetes](#)

Diabetes & Metabolism

Research letter

[Prognostic factors in patients with diabetes hospitalized for COVID-19: Findings from the CORONADO study and other recent reports](#)

Diabetes & Metabolism

[Negative impact of hyperglycaemia on tocilizumab therapy in Covid-19 patients](#)

Diabetes & Metabolism

[Metformin Treatment Was Associated with Decreased Mortality in COVID-19 Patients with Diabetes in a Retrospective Analysis](#)

The American Journal of Tropical Medicine and Hygiene

[Early Observation and Mitigation of Challenges in Diabetes Management of COVID-19 Patients in Critical Care Units](#)

Diabetes Care

Letter

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## Miscellaneous

[An AI approach to COVID-19 infection risk assessment in virtual visits: a case report](#)

Journal of the American Medical Informatics Association

[Seventy-two Hours, Targeting Time from First COVID-19 Symptom Onset to Hospitalization](#)

Journal of Korean Medical Science

[A simple negative-pressure protective barrier for extubation of COVID-19 patients](#)

Canadian Journal of Anesthesia

Correspondence

[Demand-capacity modelling and Covid-19 disease: identifying themes for future NHS planning](#)

Anaesthesia

Editorial

[COVID-19 and obesity: links and risks](#)

Expert Review of Endocrinology & Metabolism

[Insight into the relationship between obesity-induced low-level chronic inflammation and COVID-19 infection](#)

International Journal of Obesity

Editorial

[Morbid Obesity as an Independent Risk Factor for COVID-19 Mortality in Hospitalized Patients Younger than 50](#)

Obesity  
Brief Report

[Predictors of mortality in hospitalized COVID-19 patients: A systematic review and meta-analysis](#)

Journal of Medical Virology  
Review

[SARS-CoV-2 RNA contamination of inanimate surfaces and virus viability in a health care emergency unit](#)

Clinical Microbiology and Infection

[Are patients with Down syndrome vulnerable to life-threatening COVID-19?](#)

Acta Neurologica Belgica

[Can 3D printing of oral drugs help fight the current COVID-19 pandemic \(and similar crisis in the future\)?](#)

Expert Opinion on Drug Delivery

[Vitamin-D and COVID-19: do deficient risk a poorer outcome?](#)

Lancet Diabetes and Endocrinology

[The Role of Climate During the COVID-19 epidemic in New South Wales, Australia](#)

Transboundary and Emerging Diseases  
Rapid Communication

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## Dynamed Plus - COVID-19 (Novel Coronavirus)

Latest updates

### 22 MAY 2020

4,993,470 confirmed cases of coronavirus disease 2019 (COVID-19) including 327,738 deaths worldwide reported by World Health Organization (WHO) as of May 22, 2020 (WHO Situation Report 2020 May 22)

[View in topic](#)

### 22 MAY 2020

Chinese herbal medicine Lianhuaqingwen capsule may shorten time to recovery in adults with mild COVID-19 receiving usual care in China (Phytomedicine 2020 May 16)

[View in topic](#)

### 22 MAY 2020

hydroxychloroquine may not increase negative conversion rates in hospitalized adults with mild to moderate COVID-19 (BMJ 2020 May 14)

[View in topic](#)

### 21 MAY 2020

implementation of 2-3 public health interventions in areas with  $\geq 10$  patients with COVID-19 and local transmission associated with decreased SARS-CoV-2 epidemic growth (CMAJ 2020 May 8 early online)

[View in topic](#)

### 20 MAY 2020

hydroxychloroquine within 48 hours of hospital admission may not improve survival in patients hospitalized with COVID-19 needing oxygen but not intensive care (BMJ 2020 May 14)

[View in topic](#)

### 20 MAY 2020

FDA emergency use authorization issued for multiple new assays to detect nucleic acids from SARS-CoV-2

[View in topic](#)

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**20 MAY 2020**

FDA issues emergency use authorization for multiple COVID-19 diagnostic tests with option of using home-collected saliva

[View in topic](#)

**20 MAY 2020**

FDA issues alert about early data suggesting potentially inaccurate results from Abbott ID NOW point-of-care test to diagnose COVID-19 (FDA press release 2020 May 14)

[View in topic](#)

**19 MAY 2020**

triple therapy with ribavirin plus interferon beta-1b plus lopinavir/ritonavir may reduce time to symptom resolution, negative viral load, and hospital discharge compared to lopinavir/ritonavir in adults with COVID-19 (Lancet 2020 May 8 early online)

[View in topic](#)

**19 MAY 2020**

high-dose chloroquine diphosphate may have higher mortality than low-dose chloroquine diphosphate in hospitalized adults with severe SARS-CoV-2 infection in Brazil (JAMA Netw Open 2020 Apr 24)

[View in topic](#)

**19 MAY 2020**

hydroxychloroquine with or without azithromycin reported to increase risk of QT-interval prolongation in adults with COVID-19 pneumonia (JAMA Cardiol 2020 May 1 early online)

[View in topic](#)

**19 MAY 2020**

insufficient evidence to support use of hydroxychloroquine or chloroquine in adults with COVID-19 (Acad Emerg Med 2020 May 2 early online)

[View in topic](#)

**18 MAY 2020**

olfactory dysfunction reported in 87% of patients with COVID-19 (Otolaryngol Head Neck Surg 2020 May 5 early online)

[View in topic](#)

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## Public Health England

Topics added/updated in the last week

[COVID-19: investigation and initial clinical management of possible cases](#) - 22 May 2020

[COVID-19: management of exposed staff and patients in health and social care settings](#) - 22 May 2020

[COVID-19: guidance for stepdown of infection control precautions within hospitals and discharging COVID-19 patients from hospital to home settings](#) - 20 May 2020

[COVID-19: guidance for Ambulance Trusts](#) - 18 May 2020

[COVID-19: infection prevention and control \(IPC\)](#) - 21 May 2020

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# World Health Organisation – Rolling Updates

## **WHO, Gavi and UNICEF warn that disruption to routine vaccination leaves at least 80 million children at risk**

22 May 2020

COVID 19 is disrupting life-saving immunization services around the world, putting millions of children – in rich and poor countries alike – at risk of diseases like diphtheria, measles and polio.

Provision of routine immunization services is substantially hindered in at least 68 countries and is likely to affect approximately 80 million children under the age of 1 living in these countries.

Since March 2020, routine childhood immunization services have been disrupted on a global scale that may be unprecedented since the inception of expanded programs on immunization (EPI) in the 1970s.

The reasons for disrupted services vary. Some parents are reluctant to leave home because of restrictions on movement, lack of information or because they fear infection with the COVID-19 virus. And many health workers are unavailable because of restrictions on travel, or redeployment to COVID response duties, as well as a lack of protective equipment. Transport delays of vaccines are also exacerbating the situation.

Despite the challenges, several countries are making special efforts to continue immunization. Uganda is ensuring that immunization services continue along with other essential health services, even funding transportation to ensure outreach activities. And in Lao PDR, despite a national lockdown imposed in March, routine immunization in fixed sites continued with physical distancing measures in place.

### **Key materials**

[Framework for decision-making: implementation of mass vaccination campaigns in the context of COVID-19](#)

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## 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](#)

[GOV.UK](#)

[Health protection Scotland](#)

[New England Journal of Medicine](#)

[NHS UK](#)

[Oxford University Press](#)

[Patient.Info](#)

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