

COVID-19 Evidence Update

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Royal College/Society Guidance

Latest information and guidance

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[Covid-19 resources](#)

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[Coronavirus \(COVID-19\), pregnancy and women's health](#)

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

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

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British Society for Haematology
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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](#)

Adults and Older People

[A COVID-19 case report from asymptomatic contact: implication for contact isolation and incubation management](#)

Infectious Diseases of Poverty
Case Report

[Contraception and reproductive planning during the COVID-19 pandemic](#)

Expert Review of Clinical Pharmacology
Review

[COVID-19 and Crosstalk With the Hallmarks of Aging](#)

The Journals of Gerontology

[COVID-19 in 3 people living with HIV in the United Kingdom](#)

Journal of Medical Virology
Letter to the editor

[COVID-19 in patients with rheumatological diseases treated with anti-TNF](#)

Annals of the Rheumatic Diseases
Correspondence

[COVID-19 presenting as severe, persistent abdominal pain and causing late respiratory compromise in a 33-year-old man](#)

BMJ Case Reports

[COVID-19 revisiting inflammatory pathways of arthritis](#)
Nature Reviews Rheumatology
Perspective

[Impact of comorbidities on patients with COVID-19: A large retrospective study in Zhejiang, China](#)
Journal of Medical Virology

[Persistent negative antibody test in COVID-19 patient: a case report](#)
Clinical Infectious Diseases
Correspondence

[Persistent severe acute respiratory syndrome coronavirus 2 detection after resolution of coronavirus disease 2019-associated symptoms/signs](#)
Korean Journal of Internal Medicine
Communication

[Positive results for patients with COVID-19 discharged from hospital in Chongqing, China](#)
BMC Infectious Diseases

[Reproductive health under COVID-19 – challenges of responding in a global crisis](#)
Sexual and Reproductive Health Matters
Perspective

[Susceptibility and severity of COVID-19 in patients treated with bDMARDs and tsDMARDs: a population-based study](#)
Annals of the Rheumatic Diseases
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[“Urinary Tract Infection” in the Era of COVID-19](#)
Journal of the American Geriatrics Society
Letter to the editor

Blood

[A report of clustered COVID-19 in a hematology ward](#)
Blood Advances
Commentary

[Clinical use of Convalescent Plasma in the COVID-19 pandemic; a transfusion-focussed gap analysis with recommendations for future research priorities](#)
Vox Sanguinis

[Combination dose-escalated hydroxyurea and transfusion: an approach to conserve blood during the COVID-19 pandemic](#)
Blood
Letter

[COVID-19 and ABO blood groups](#)
Transfusion
Letter

[COVID-19 infection associated with autoimmune hemolytic anemia](#)
Annals of Hematology
Letter to the editor

[Fibrinolysis and COVID-19: a plasmin paradox](#)
Journal of Thrombosis and Haemostasis

[Patients with Congenital Bleeding Disorders Appear to be Less Severely Affected by SARS-CoV-2: Is Inherited Hypocoagulability Overcoming Acquired Hypercoagulability of Coronavirus Disease 2019 \(COVID-19\)?](#)
Seminars in Thrombosis and Hemostasis
Letter to the editor

[Pernicious anaemia: self-administration of hydroxocobalamin in the covid-19 crisis](#)

BMJ
Letter

[Pernicious anaemia: switch to oral B12 supplementation to reduce risk of covid-19 transmission](#)

BMJ
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[Red cell bound antibodies and transfusion requirements in hospitalized patients with COVID-19](#)

Blood

[The impact of the SARS-CoV-2 infection, with special reference to the haematological setting](#)

The Journal of Medical Virology
Review

[Use of Convalescent Plasma in Hospitalized Patients with Covid-19 - Case Series](#)

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Cardiology

[A Double-Edged Sword—Cardiovascular Concerns of Potential Anti-COVID-19 Drugs](#)

Cardiovascular Drugs and Therapy
Review

[A systematic review and meta-analysis to evaluate the clinical outcomes in COVID-19 patients on angiotensin-converting enzyme inhibitors or angiotensin receptor blockers](#)

European Heart Journal Cardiovascular Pharmacotherapy

[Cardiac involvement of COVID-19: Looking forward to novel discoveries and clinically valuable evidence](#)

International Journal of Cardiology
Letter to the editor

[Cardiac Rehabilitation During COVID-19 Pandemic: Highlighting the Value of Home-Based Programs](#)

Telemedicine and e-Health

[Cardiovascular manifestations in severe and critical patients with COVID -19](#)

Clinical Cardiology

[COVID-19 kills at home: the close relationship between the epidemic and the increase of out-of-hospital cardiac arrests](#)

European Heart Journal

[Endotheliitis and Endothelial Dysfunction in Patients with COVID-19: Its Role in Thrombosis and Adverse Outcomes](#)

Journal of Clinical Medicine
Editorial

[Electrocardiographic Findings in COVID-19: Insights on Mortality and Underlying Myocardial Processes](#)

Journal of Cardiac Failure

[Evidence of SARS-CoV-2 mRNA in endomyocardial biopsies of patients with clinically suspected myocarditis tested negative for COVID-19 in nasopharyngeal swab](#)

Cardiovascular Research

[Impaired cardiac function is associated with mortality in patients with acute COVID-19 infection](#)

Clinical Research in Cardiology

[Perspectives on Cardiopulmonary Critical Care for COVID-19 Patients: From Members of the American Heart Association Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation](#)

Journal of the American Heart Association

Children & Neonates

Don't Forget the Bubbles: An Evidence Summary of Paediatric Covid-19 Literature

[A case of an Infant with SARS-CoV-2 hepatitis early after liver transplantation](#)

Pediatric Transplantation
Case Report

[Appropriate care for neonates born to mothers with COVID-19 disease](#)

Acta Paediatrica

[Anesthesia and potential aerosol generation during Magnetic Resonance Imaging in Children with COVID-19](#)

Pediatric Anesthesia
Short Report

[Challenges in chronic paediatric disease during the COVID-19 pandemic: diagnosis and management of inflammatory bowel disease in children](#)

Archives of Disease in Childhood
Letter

[Changing admission patterns in paediatric emergency departments during the COVID-19 pandemic](#)

Archives of Disease in Childhood
Letter

[Children Hospitalized With Severe COVID-19 in Wuhan](#)

The Pediatric Infectious Disease Journal

[Coronavirus disease 2019 \(COVID-19\) in children and/or adolescents: a meta-analysis](#)

Pediatric Research
Systematic Review

[Coronavirus disease 2019 \(COVID-19\) in children: a systematic review of imaging findings](#)

Pediatric Radiology

[COVID-19 and Kawasaki disease: an analysis using Google Trends](#)

Clinical Rheumatology
Letter to the editor

[COVID-19 anticoagulation recommendations in children](#)

Pediatric Blood & Cancer
Letter to the editor

[COVID-19 cardiac involvement in a 38-day old infant](#)

Pediatric Pulmonology
Case Report

[Covid-19 Confinement and Changes of Adolescent's Dietary Trends in Italy, Spain, Chile, Colombia and Brazil](#)

Nutrients

[COVID-19 in a child with severe aplastic anemia](#)

Pediatric Blood & Cancer
Letter to the editor

[Epidemiological features and viral shedding in children with SARS-CoV-2 infection](#)

Journal of Medical Virology

[Fatal Covid-19 in a Malnourished Child with Megaloblastic Anemia](#)

Indian Journal of Pediatrics
Scientific Letter

[Infant With SARS-CoV-2 Infection Causing Severe Lung Disease Treated With Remdesivir](#)

Pediatrics
Case Report

[National active surveillance to understand and inform neonatal care in COVID-19](#)
Archives of Disease in Childhood Fetal and Neonatal edition
Viewpoint

[Pediatric cancer research: Surviving COVID-19](#)
Pediatric Blood & Cancer

[Pediatric COVID-19: what disease is this?](#)
World Journal of Pediatrics
Opinion

[Physical activity during COVID-19 quarantine](#)
Acta Paediatrica
Brief Report

[Prioritising paediatric surveillance during the COVID-19 pandemic](#)
Archives of Disease in Childhood
Editorial

Community and Mental Health

[A Model for Treating COVID-19–Related Guilt, Shame, and Moral Injury](#)
Psychological Trauma: Theory, Research, Practice, and Policy

[Community Mental Health Care Delivery During the COVID-19 Pandemic: Practical Strategies for Improving Care for People with Serious Mental Illness](#)
Community Mental Health Journal

[Covid-19 could widen mental health inequalities for a generation, warns charity](#)
BMJ
News

[COVID -19 epidemic: Regional organization centered on nursing homes](#)
Journal of the American Geriatrics Society
Letter to the editor

[COVID-19 highlights the need for universal adoption of standards of medical care for physicians in nursing homes in Europe](#)
European Geriatric Medicine

[COVID -19 infections and deaths among Connecticut nursing home residents: facility correlates](#)
Journal of the American Geriatrics Society

[COVID-19 pandemic and mitigation strategies: implications for maternal and child health and nutrition](#)
The American Journal of Clinical Nutrition

[COVID-19 poses novel challenges for global primary care](#)
Primary Care Respiratory Medicine
Editorial

[Flattening the Emotional Distress Curve: A Behavioral Health Pandemic Response Strategy for COVID-19](#)
American Psychologist

[Impact of the COVID-19 pandemic on the core functions of primary care: will the cure be worse than the disease? A qualitative interview study in Flemish GPs](#)
BMJ Open

[Infographic. COFIT-19: let's get moving through the COVID-19 pandemic!](#)
British Journal of Sports Medicine

[LGBTQ Populations: Psychologically Vulnerable Communities in the COVID-19 Pandemic](#)
Psychological Trauma: Theory, Research, Practice, and Policy

[Loneliness, Isolation, and Social Support Factors in Post-COVID-19 Mental Health](#)
Psychological Trauma: Theory, Research, Practice, and Policy

[Physical activity: Benefits and challenges during the COVID-19 pandemic](#)
Scandinavian Journal of Medicine & Science in Sports
Letter to the editor

[Point-of-Care Procedures in Physiatry - Practice Considerations During the Covid-19 Pandemic](#)
American Journal of Physical Medicine & Rehabilitation

[Use of N95, Surgical, and Cloth Masks to Prevent COVID-19 in Health Care and Community Settings: Living Practice Points From the American College of Physicians \(Version 1\)](#)
Annals of Internal Medicine

[Violence against women in the covid-19 pandemic: we need upstream approaches to break the intergenerational cycle](#)
BMJ
Letter

Dermatology

[Acute generalized exanthematous pustulosis induced by empiric hydroxychloroquine for presumed COVID-19](#)
Dermatologic Therapy
Letter

[Complicated coronavirus disease 2019 \(COVID-19\) in a psoriatic patient treated with ixekizumab](#)
International Journal of Dermatology
Correspondence

["COVID-19-related acute genital ulcers"](#)
Journal of the European Academy of Dermatology and Venereology
Letter to the editor

[Patients with specific skin disorders who are affected by COVID -19: what do experiences say about management strategies? : A systematic review](#)
Dermatologic Therapy
Review

[Recommendations for phototherapy during the COVID-19 pandemic](#)
Journal of the American Academy of Dermatology
Letter to the editor

[Symmetric chest pressure ulcers, consequence of prone position ventilation in a patient with COVID-19](#)
Journal of the European Academy of Dermatology and Venereology
Letter to the editor

[Utility and risk of dermatologic medications during the COVID -19 pandemic](#)
Dermatologic Therapy
Review

["Treatment adherence in psoriatic patients during COVID-19 pandemic: Real-world data from a tertiary hospital in Greece"](#)
Journal of the European Academy of Dermatology and Venereology
Letter to the editor

Diabetes & Endocrinology

[Blood Glucose Control During Lockdown for COVID-19: CGM Metrics in Italian Adults With Type 1 Diabetes](#)
Diabetes Care

[Endocrinology in the time of COVID-19](#)
European Journal of Endocrinology

[ENDOCRINOLOGY IN THE TIME OF COVID-19: Management of Cushing's syndrome](#)
European Journal of Endocrinology

[ENDOCRINOLOGY IN THE TIME OF COVID-19: Management of diabetes insipidus and hyponatraemia](#)
European Journal of Endocrinology

[ENDOCRINOLOGY IN THE TIME OF COVID-19: Management of hyperthyroidism and hypothyroidism](#)
European Journal of Endocrinology

[Endocrinology in the time of COVID-19: Management of pituitary tumours](#)
European Journal of Endocrinology

[ENDOCRINOLOGY IN THE TIME OF COVID-19: Management of thyroid nodules and cancer](#)
European Journal of Endocrinology

[Euglycemic diabetic ketoacidosis in a patient with type 1 diabetes and SARS-CoV-2 pneumonia: case report and review of the literature](#)
Acta Clinica Belgica
Case Report

Digestive

[A case series of COVID-19 patients with chronic hepatitis B virus infection](#)
Journal of Medical Virology

[Compassionate use of others' immunity — understanding gut microbiome in Covid-19](#)
Critical Care
Letter

[COVID-19 heath crisis: less colorectal resections and yet no more peritonitis or bowel obstruction as a collateral effect?](#)
Colorectal Disease
Correspondence

[COVID-19 Induced Hepatitis B Virus Reactivation: A Novel Case From the United Arab Emirates](#)
Cureus
Case Report

[COVID -19 pandemic: a large boulder on the head of stoma patients](#)
British Journal of Surgery
Correspondence

[Gastrointestinal manifestations of COVID-19](#)
Cleveland Clinic Journal of Medicine

[Inflammatory Bowel Disease in the COVID-19 Pandemic – the Patients' Perspective](#)
Journal of Crohn's and Colitis

[Infliximab for severe ulcerative colitis and subsequent SARS-CoV-2 pneumonia: a stone for two birds](#)
Gut
Letter

[Wastewater monitoring of SARS-CoV-2: lessons from illicit drug policy](#)
Lancet Gastroenterology and Hepatology
Editorial

Education & Training

[COVID-19 is a challenge for dental education – A commentary](#)

European Journal of Dental Education
Commentary

[Could COVID-19 be our 'There is no alternative' \(TINA\) opportunity to enhance assessment?](#)

Medical Teacher

[COVID-19 and neurosurgical training and education: an Italian perspective](#)

Acta Neurochirurgica

[Impact of COVID-19 on cardiac surgical training: Our experience in the United Kingdom](#)

Journal of Cardiac Surgery
Review

[Orthopedic surgery residents' perception of online education in their programs during the COVID-19 pandemic: should it be maintained after the crisis?](#)

Acta Orthopædica

[Urology Residency Applications in The COVID-19 Era](#)

Urology

[Use of Contemporary Live Tele-Video Conferencing for Continuing Surgical Training at the time of COVID-19 pandemic](#)

ANZ Journal of Surgery
Letter to the editor

[What lies in the year ahead for medical education? A medical student's perspective during the COVID-19 pandemic](#)

Medical Education Online
Letter to the editor

Head & Neck (inc. airway/ventilation)

[Altered Taste in Patients with COVID-19: The Potential Role of Salivary Glands](#)

Oral Diseases
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[Addressing Hearing loss to Improve Communication during COVID -19 Pandemic](#)

Journal of the American Geriatrics Society
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[Invasive mechanical ventilation in COVID-19 patient management: the experience with 469 patients in Wuhan](#)

Critical Care
Research Letter

[Olfactory and Gustatory Dysfunction as an Early Identifier of COVID-19 in Adults and Children: An International Multicenter Study](#)

Otolaryngology–Head and Neck Surgery

[Olfactory and gustatory dysfunctions due to the coronavirus disease \(COVID-19\): a review of current evidence](#)

European Archives of Oto-Rhino-Laryngology

[Olfactory and Oral Manifestations of COVID-19: Sex-Related Symptoms—A Potential Pathway to Early Diagnosis](#)

Otolaryngology–Head and Neck Surgery

[Oral mucosa lesions in COVID-19](#)

Oral Diseases
Letter to the editor

Healthcare Workers

[Frontline Workers in the Backrooms of COVID-19: Caring for the Living and the Dead](#)
American Journal of Clinical Pathology

[‘Healthcare Heroes’: problems with media focus on heroism from healthcare workers during the COVID-19 pandemic](#)
Journal of Medical Ethics
Current Controversy

[Impact of coronavirus disease 2019 on healthcare workers: beyond the risk of exposure](#)
Postgraduate Medical Journal
Letter

[Investigation of adverse reactions in healthcare personnel working in Level 3 barrier protection PPE to treat COVID-19](#)
Postgraduate Medical Journal

[Nurse infected with Covid-19 from a provisional dengue patient](#)
Emerging Microbes & Infections
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[Provider Burnout and Fatigue During the COVID-19 Pandemic: Lessons Learned From a High-Volume Intensive Care Unit](#)
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[The Urgent Need to Address Violence Against Health Workers During the COVID-19 Pandemic](#)
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[Computed Tomography, Deep Learning and Ultrasonography Role in the Diagnosis of COVID-19 Pandemic Lung Infection](#)
Photodiagnosis and Photodynamic Therapy

[COVID-19 and granulomatosis with polyangiitis \(GPA\): a diagnostic challenge](#)
Rheumatology

[COVID-19 S: A new proposal for diagnosis and structured reporting of COVID-19 on computed tomography imaging](#)
Diagnostic and Interventional Radiology

[COVID-19 targets the right lung](#)
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Research Letter

[Use of negative pressure individual isolation system for CT scan of patients with suspected COVID-19](#)
Emergency Medicine Journal
Letter

[Ventilation/perfusion SPECT/CT findings in different lung lesions associated with COVID-19: a case series](#)
European Journal of Nuclear Medicine and Molecular Imaging
Short communication

[¹⁸F-Fluorocholine uptake matching CT lesions in the lungs of a patient clinically cured from COVID-19 syndrome](#)
European Journal of Nuclear Medicine and Molecular Imaging
Image of the Month

Nephrology

COVID-19 infection alters kynurenine and fatty acid metabolism, correlating with IL-6 levels and renal status

JCI Insight

Epidemiology of COVID-19 in an Urban Dialysis Center

JASN

Incidence of acute kidney injury in COVID-19 infection: a systematic review and meta-analysis

Critical Care

Research Letter

The COVID-19 infection in dialysis: are home-based renal replacement therapies a way to improve patient management?

Journal of Nephrology

Editorial

Neurology

Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19

BMC Neurology

Case Report

COVID-19 Neurologic Complication with CNS Vasculitis-Like Pattern

American Journal of Neuroradiology

Brief Report

First case of SARS-COV-2 sequencing in cerebrospinal fluid of a patient with suspected demyelinating disease

Journal of Neurology

Short commentary

Guillain-Barré syndrome: The first documented COVID-19-triggered autoimmune neurologic disease

Neurology, Neuroimmunology & Neuroinflammation

Impact of the COVID-19 pandemic on the process and outcome of thrombectomy for acute ischemic stroke

Journal of NeuroInterventional Surgery

Incidence and case fatality rate of COVID-19 in patients with active epilepsy

Neurology

Pituitary society guidance: pituitary disease management and patient care recommendations during the COVID-19 pandemic—an international perspective

Pituitary

Obesity

Obesity and COVID-19 Severity in a Designated Hospital in Shenzhen, China

Diabetes Care

Obesity Is a Risk Factor for Greater COVID-19 Severity

Diabetes Care

Obstetrics & Gynaecology

[Antibodies in the breast milk of a maternal woman with COVID-19](#)
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Letter to the editor

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Sexual and Reproductive Health Matters
Commentary

[Explaining the experience of prenatal care and investigating the association between psychological factors with self-care in pregnant women during COVID-19 pandemic: a mixed method study protocol](#)
Reproductive Health
Study Protocol

[Patient Perspectives on Audio-Only Virtual Prenatal Visits Amidst the Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Pandemic](#)
Obstetrics & Gynecology

[The consequences of the COVID-19 pandemic](#)
BJOG
Editorial

Oncology

[A metastatic tumor is no different to a viral pandemic: lessons learnt from COVID-19 may teach us to change the PRRT paradigm](#)
European Journal of Nuclear Medicine and Molecular Imaging
Editorial

[COVID - 19 Collateral Damage - Delayed presentation of a perforated rectal cancer presenting as Fournier's gangrene](#)
ANZ Journal of Surgery

[COVID -19 pandemic and health care disparities in head and neck cancer: Scanning the horizon](#)
Head & Neck

[Evolution of Cancer Care in Response to the COVID -19 Pandemic](#)
The Oncologist

[Immune-Checkpoint Inhibitors for Cancer Therapy in the COVID-19 Era](#)
Clinical Cancer Research
Perspective

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Leukemia
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Updates in Surgery

[Innovation in Cancer Care Delivery in the Era of COVID-19](#)
Oncology Practice

Ophthalmology

[ACE2 and TMPRSS2 are expressed on the human ocular surface, suggesting susceptibility to SARS-CoV-2 infection](#)
The Ocular Surface

[Addressing COVID-19 fear to improve clinic attendance for patients with wet age-related macular degeneration](#)
Acta Ophthalmologica
Letter to the editor

[COVID-19 and the Ocular Surface: A Review of Transmission and Manifestations](#)
Ocular Immunology and Inflammation
Review

[Ophthalmological manifestations of COVID-19 and its transmissibility via ocular route](#)
Postgraduate Medical Journal
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[Vitreoretinal surgery tip and tricks in the era of COVID-19](#)
Graefe's Archive for Clinical and Experimental Ophthalmology
Letter to the editor

[What COVID-19 has taught us: lessons from around the globe](#)
Graefe's Archive for Clinical and Experimental Ophthalmology
Editorial

Palliative Care

[Administration of end-of-life drugs by family caregivers during covid-19: opportunity for future home prescribing plans](#)
BMJ
Letter

[Anticipatory prescribing in community end-of-life care in the UK and Ireland during the COVID-19 pandemic: online survey](#)
BMJ Supportive and Palliative Care

[Dying individuals and suffering populations: applying a population-level bioethics lens to palliative care in humanitarian contexts: before, during and after the COVID-19 pandemic](#)
Journal of Medical Ethics
Extended Essay

[Proactive Identification of Palliative Care Needs Among Patients with COVID-19 in the ICU](#)
Journal of Pain and Symptom Management

[The Creation of a Psychiatry-Palliative Care Liaison Team: Utilizing Psychiatrists to Extend Palliative Care Delivery and Access during the COVID-19 Crisis](#)
Journal of Pain and Symptom Management

[The Effects of Nonconventional Palliative and End-of-life Care During COVID-19 Pandemic on Mental Health—Junior Doctors' Perspective](#)
Psychological Trauma: Theory, Research, Practice, and Policy

Pathology

[A Library of Nucleotide Analogues Terminate RNA Synthesis Catalyzed by Polymerases of Coronaviruses that Cause SARS and COVID-19](#)

Antiviral Research

[A Putative Role of de-Mono-ADP-Ribosylation of STAT1 by the SARS-CoV-2 Nsp3 Protein in the Cytokine Storm Syndrome of COVID-19](#)

Viruses

Opinion

[Antibody cocktail to SARS-CoV-2 spike protein prevents rapid mutational escape seen with individual antibodies](#)

Science

Report

[Anti-cardiolipin IgG autoantibodies are an independent risk factor of COVID-19 severity](#)

Arthritis & Rheumatology

Letter to the editor

[An in silico approach for identification of novel inhibitors as potential therapeutics targeting COVID-19 main protease](#)

Journal of Biomolecular Structure and Dynamics

[CMR and serology to diagnose COVID-19 infection with primary cardiac involvement](#)

European Heart Journal Cardiovascular Imaging

[Convergent antibody responses to SARS-CoV-2 in convalescent individuals](#)

Nature

[Evaluating the use of posterior oropharyngeal saliva in a point-of-care assay for the detection of SARS-CoV-2](#)

Emerging Microbes & Infections

[Fragment molecular orbital based interaction analyses on COVID-19 main protease - inhibitor N3 complex \(PDB ID:6LU7\)](#)

Journal of Chemical Information and Modeling

[Individual variation of the SARS-CoV-2 receptor ACE2 gene expression and regulation](#)

Aging Cell

[Inhibitors of SARS-CoV-2 Entry: Current and Future Opportunities](#)

Journal of Medical Chemistry

[Interferon- \$\beta\$ 1a inhibits SARS-CoV-2 in vitro when administered after virus infection](#)

The Journal of Infectious Diseases

[In silico studies on therapeutic agents for COVID-19: Drug repurposing approach](#)

Life Sciences

[In situ detection of SARS-CoV-2 in lungs and airways of patients with COVID-19](#)

Modern Pathology

[Is Low Alveolar Type II Cell SOD3 in the Lungs of Elderly Linked to the Observed Severity of COVID-19?](#)

Antioxidants & Redox Signalling

[Laboratory management for SARS-CoV-2 detection: a user-friendly combination of the heat treatment approach and rt-Real-time PCR testing](#)

Emerging Microbes & Infections

Letter

[Optimization of primer sets and detection protocols for SARS-CoV-2 of coronavirus disease 2019 \(COVID-19\) using PCR and real-time PCR](#)

Experimental & Molecular Medicine

[Pathological Findings of Postmortem Biopsies From Lung, Heart, and Liver of 7 Deceased COVID-19 Patients](#)

International Journal of Surgical Pathology

[Patterns of IgG and IgM antibody response in COVID-19 patients](#)

Emerging Microbes & Infections

Letter

[Pool size selection when testing for SARS-CoV-2](#)

Clinical Infectious Diseases

[Posterior oropharyngeal saliva for the detection of SARS-CoV-2](#)

Clinical Infectious Diseases

[Potent neutralizing antibodies from COVID-19 patients define multiple targets of vulnerability](#)

Science

[Targeting SARS-CoV-2 receptors as a means for reducing infectivity and improving antiviral and immune response: an algorithm-based method for overcoming resistance to antiviral agents](#)

Emerging Microbes & Infections

Review

[Virus strain from a mild COVID-19 patient in Hangzhou represents a new trend in SARS-CoV-2 evolution potentially related to Furin cleavage site](#)

Emerging Microbes & Infections

[When to re-test: An examination of repeat COVID PCR patterns in an ambulatory population](#)

Journal of Clinical Microbiology

Letter to the editor

[Widespread SARS-CoV-2 laboratory surveillance program to minimize asymptomatic transmission in high-risk inpatient and congregate living settings](#)

Infection Control & Hospital Epidemiology

[Withanone and Withaferin-A are predicted to interact with transmembrane protease serine 2 \(TMPRSS2\) and block entry of SARS-CoV-2 into cells](#)

Journal of Biomolecular Structure and Dynamics

[Worldwide ACE \(I/D\) polymorphism may affect COVID-19 recovery rate: an ecological meta-regression](#)

Endocrine

Meta-analysis

Public Health

[A flaw on a meta-analysis of smoking and the severity of COVID-19: the association should have been endorsed](#)

Journal of Public Health

Letter to the editor

[A multi-group SEIRA model for the spread of COVID-19 among heterogeneous populations](#)

Chaos, Solitons & Fractals

[COVID-19 and Public Interest in Face Mask Use](#)

American Journal of Respiratory and Critical Care Medicine

[COVID-19 and the Social Determinants of Health](#)

American Journal of Health Promotion

Editorial

[COVID-19: The Shift From Clinical to Public Health Ethics](#)

Journal of Public Health Management and Practice

Commentary

[Greater risk of severe COVID-19 in Black, Asian and Minority Ethnic populations is not explained by cardiometabolic, socioeconomic or behavioural factors, or by 25\(OH\)-vitamin D status: study of 1326 cases from the UK Biobank](#)

Journal of Public Health

[Impact of the COVID-19 pandemic on life expectancy in Madrid \(Spain\)](#)

Journal of Public Health

[Impact of smoking status on disease severity and mortality of hospitalized patients with COVID-19 infection: a systematic review and meta-analysis](#)

Nicotine & Tobacco Research

[The Detrimental Impact of the COVID-19 Crisis on Health Equity and Social Determinants of Health](#)

Journal of Public Health Management and Practice

Commentary

Pulmonary/Respiratory

[Abnormal pulmonary function in COVID-19 patients at time of hospital discharge](#)

European Respiratory Journal

Letter to the editor

[Acute cor pulmonale from saddle pulmonary embolism in a patient with previous Covid-19 – should we prolong prophylactic anticoagulation?](#)

International Journal of Infectious Diseases

Case Report

[Coughs and Sneezes: Their Role in Transmission of Respiratory Viral Infections, Including SARS-CoV-2](#)

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[COVID-19 in a patient with severe asthma treated with Omalizumab](#)

Allergy

Letter to the editor

[COVID-19 in a severe eosinophilic asthmatic receiving benralizumab – a case study](#)

Journal of Asthma

Case Report

[Endothelial cell dysfunction: a major player in SARS-CoV-2 infection \(COVID-19\)?](#)

European Respiratory Journal

[Extracorporeal Membrane Oxygenation for Critically Ill Patients with COVID-19 Related Acute Respiratory Distress Syndrome: Worth the Effort?](#)

American Journal of Respiratory and Critical Care Medicine

[Functional characteristics of patients with SARS-CoV-2 pneumonia at 30 days post infection](#)

European Respiratory Journal

[Patients with interstitial lung disease and pulmonary sarcoidosis are at high risk for severe illness related to COVID-19](#)

Cleveland Clinic Journal of Medicine

[The renin–angiotensin system: An integrated view of lung disease and coagulopathy in COVID-19 and therapeutic implications](#)

Journal of Experimental Medicine

Viewpoint

[Upper and Lower Airways Functional Examination in Asthma and Respiratory Allergic Diseases. Considerations in the SARS-CoV-2 Post-Pandemic Situation](#)

Journal of Investigational Allergology and Clinical Immunology

[Why COVID-19 Silent Hypoxemia is Baffling to Physicians](#)

American Journal of Respiratory and Critical Care Medicine

Surgery

[ACUTE AORTIC DISSECTION SURGERY IN PATIENT WITH COVID-19](#)

The Annals of Thoracic Surgery

[Impact of Personal Protective Equipment on Surgical Performance During the COVID-19 Pandemic](#)

World Journal of Surgery

[Perioperative preparation in thoracic day surgery: Battle against COVID -19](#)

Thoracic Cancer

Letter to the editor

[Personal protective equipment \(PPE\) during the COVID-19 pandemic for oculofacial plastic and orbital surgery](#)

Orbit

[Recommendations for Tiered Stratification of Urological Surgery Urgency in the COVID-19 Era](#)

The Journal of Urology

[Where are the hernias? A paradoxical decrease in emergency hernia surgery during COVID-19 pandemic](#)

Hernia

Letter to the editor

Telehealth

[Implementation of Obstetric Telehealth During COVID-19 and Beyond](#)

Maternal and Child Health Journal

[Implementing Telemedicine in Response to the COVID-19 Pandemic](#)

Journal of Urology

[Initial Experience with a COVID-19 Web-Based Patient Self-assessment Tool](#)

Journal of General Internal Medicine

[Pilot study using telemedicine video-consultation for vascular patients' care during the COVID-19 period](#)

Annals of Vascular Surgery

[Use of Telemedicine and Virtual Care for Remote Treatment in Response to COVID-19 Pandemic](#)

Journal of Medical Systems

Transplant

[COVID-19 in allogeneic stem cell transplant: high false-negative probability and role of CRISPR and convalescent plasma](#)

Bone Marrow Transplantation

Letter

[Fatal SARS-CoV-2 infection in a renal transplant recipient](#)

CEN Case Reports

[Haddon Matrix for Kidney Transplantation during COVID-19 Pandemic: A Problem Solving Framework for Present and Future](#)

Transplant Infectious Disease

Letter to the editor

[Incidental COVID-19 in a Heart-Kidney Transplant Recipient with Malnutrition and Recurrent Infections: Implications for the SARS-CoV-2 Immune Response](#)

Transplant Infectious Disease

Treatments

[A complex COVID-19 case with rheumatoid arthritis treated with tocilizumab](#)
Clinical Rheumatology
Case Based Review

[A Comprehensive Review on Tocilizumab in COVID-19 Acute Respiratory Distress Syndrome](#)
The Journal of Clinical Pharmacology
Review

[A Pharmacovigilance Study of Hydroxychloroquine Cardiac Safety Profile: Potential Implication in COVID-19 Mitigation](#)
Journal of Clinical Medicine

[A Rush to Judgment? Rapid Reporting and Dissemination of Results and Its Consequences Regarding the Use of Hydroxychloroquine for COVID-19](#)
Annals of Internal Medicine
Opinion

[Antithrombotic Therapies in COVID-19 Disease: a Systematic Review](#)
Journal of General Internal Medicine
Review

[Apelin-potential therapy for COVID-19?](#)
Journal of Molecular and Cellular Cardiology

[Computational investigation on Andrographis paniculata phytochemicals to evaluate their potency against SARS-CoV-2 in comparison to known antiviral compounds in drug trials](#)
Journal of Biomolecular Structure and Dynamics

[Corticosteroids in patients with COVID-19: what about the control group?](#)
Clinical Infectious Diseases

[COVID-19 and the Drug Repurposing Tsunami](#)
ASSAY and Drug Development Technologies

[COVID-19 and pneumonia: a role for the uPA/uPAR system](#)
Drug Discovery Today

[Erythropoietin as candidate for supportive treatment of severe COVID-19](#)
Molecular Medicine
Review

[First do no harm—beware the risk of therapeutic plasma exchange in severe COVID-19](#)
Critical Care
Letter

[Immune status could determine efficacy of COVID-19 therapies](#)
Nature Reviews Drug Discovery
News

[Impact of anti-rheumatic drugs and steroids on clinical course and prognosis of COVID-19](#)
Clinical Rheumatology
Research Letter

[“Monoclonal-Type” Plastic Antibodies for COVID-19 Treatment: What Is the Idea?](#)
Journal of Functional Biomaterials
Editorial

[Non-optimal effectiveness of convalescent plasma transfusion and hydroxychloroquine in treating COVID-19: a case report](#)

Virology Journal
Case Report

[The critical role of futility analysis in the pursuit of effective treatments for COVID-19](#)

Contemporary Clinical Trials Communications
Editorial

[Update Alert: Should Clinicians Use Chloroquine or Hydroxychloroquine Alone or in Combination With Azithromycin for the Prophylaxis or Treatment of COVID-19? Living Practice Points From the American College of Physicians](#)

Annals of Internal Medicine

[Use of amantadine in a patient with SARS-Cov-2](#)

Journal of Medical Virology
Letter to the editor

[“War to the knife” against thromboinflammation to protect endothelial function of COVID-19 patients](#)

Critical Care
Viewpoint

Vaccine

[Could an Unrelated Live Attenuated Vaccine Serve as a Preventive Measure To Dampen Septic Inflammation Associated with COVID-19 Infection?](#)

Host-Microbe Biology
Opinion

[Optimizing safety surveillance for COVID-19 vaccines](#)

Nature Reviews Immunology
Comment

[Vaccines against Coronaviruses: The State of the Art](#)

Vaccines
Review

Miscellaneous

[A compendium answering 150 questions on COVID-19 and SARS-CoV-2](#)

Allergy
Review

[Approaching COVID-19 - bedside strategies for intensive care](#)

European Journal of Clinical Investigation
Perspective

[Considerations for STI Clinics During the COVID-19 Pandemic](#)

Sexually Transmitted Diseases

[COVID-19 and Antimicrobial Resistance: Parallel and Interacting Health Emergencies](#)

Clinical Infectious Diseases

[COVID-19 and the RAAS](#)

Clinical Infectious Diseases

[COVID-19 Clinical Trials: A Teachable Moment for Improving Our Research Infrastructure and Relevance](#)

Annals of Internal Medicine
Opinion

[COVID-19 pandemic – an African perspective](#)
Emerging Microbes & Infections
Review

[Environmental Surface Testing for Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) during Prolonged Isolation of an Asymptomatic Carrier](#)
Infection Control & Hospital Epidemiology

[Ethical dilemmas due to the Covid-19 pandemic](#)
Annals of Intensive Care
Review

[Update on possible animal sources for COVID-19 in humans](#)
Xenotransplantation
Commentary

[YouTube as a source of patient information for Coronavirus Disease \(COVID -19\): A content-quality and audience engagement analysis](#)
Reviews in Medical Virology

Dynamed Plus - COVID-19 (Novel Coronavirus)

Latest updates

20 JUN 2020

FDA warns of newly discovered potential drug interaction between remdesivir and either hydroxychloroquine or chloroquine which may reduce antiviral activity of remdesivir (FDA Press Release 2020 Jun 15)

[View in topic](#)

19 JUN 2020

8,385,440 confirmed cases of coronavirus disease 2019 (COVID-19) including 450,686 deaths worldwide reported by World Health Organization (WHO) as of June 19, 2020 (WHO Situation Report 2020 Jun 19)

[View in topic](#)

19 JUN 2020

addition of ruxolitinib to standard care might not shorten time to clinical improvement in adults with severe COVID-19 (J Allergy Clin Immunol 2020 May 26 early online)

[View in topic](#)

19 JUN 2020

estimated seropositivity rates in general population about 5%-10% in Geneva, Switzerland, between April 6 and May 9, 2020, and rates do not appear to be increasing over time (Lancet 2020 Jun 11 early online)

[View in topic](#)

18 JUN 2020

bacterial coinfection reported in 7% and viral coinfection in 3% of hospitalized patients with COVID-19 (J Infect 2020 May 27 early online)

[View in topic](#)

18 JUN 2020

agitation and confusion reported in about 65% of patients with COVID-19 in intensive care unit (Lancet Psychiatry 2020 May 18 early online)

[View in topic](#)

17 JUN 2020

appropriate PPE and training of healthcare workers reported to provide protection against COVID-19 (BMJ 2020 Jun 10)

[View in topic](#)

16 JUN 2020

convalescent plasma transfusion might increase clinical improvement in patients with severe COVID-19 (JAMA 2020 Jun 3 early online)

[View in topic](#)

15 JUN 2020

FDA revokes emergency use authorization allowing use of hydroxychloroquine and chloroquine from Strategic National Stockpile to treat hospitalized patients with COVID-19 when clinical trials unavailable or clinical trial participation was not feasible (FDA Press Announcement 2020 Jun 15)

[View in topic](#)

Public Health England

Topics added/updated in the last week

[COVID-19: infection prevention and control \(IPC\)](#) - 18 June 2020

[COVID-19: background information](#) - 22 June 2020

[Coronavirus \(COVID-19\): admission and care of people in care homes](#) - 19 June 2020

[COVID-19: guidance on supporting children and young people's mental health and wellbeing](#) - 16 June 2020

[COVID-19: guidance for the public on mental health and wellbeing](#) - 16 June 2020

[COVID-19: guidance for households with possible coronavirus infection](#) - 18 June 2020

[Guidance for contacts of people with confirmed coronavirus \(COVID-19\) infection who do not live with the person](#) - 17 June 2020

World Health Organisation – Rolling Updates

Hydroxychloroquine arm of Solidarity Trial stops - 17 June 2020

WHO announced that the hydroxychloroquine (HCQ) arm of the Solidarity Trial to find an effective COVID-19 treatment was being stopped.

The trial's Executive Group and principal investigators made the decision based on evidence from the Solidarity trial, UK's Recovery trial and a Cochrane review of other evidence on hydroxychloroquine.

Data from Solidarity (including the French Discovery trial data) and the recently announced results from the UK's Recovery trial both showed that hydroxychloroquine does not result in the reduction of mortality of hospitalised COVID-19 patients, when compared with standard of care.

Investigators will not randomize further patients to hydroxychloroquine in the Solidarity trial. Patients who have already started hydroxychloroquine but who have not yet finished their course in the trial may complete their course or stop at the discretion of the supervising physician.

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This decision applies only to the conduct of the Solidarity trial and does not apply to the use or evaluation of hydroxychloroquine in pre or post-exposure prophylaxis in patients exposed to COVID-19.

Key materials:

[WHO Director-General's opening remarks at the media briefing on COVID-19 - 17 June 2020](#)

[Solidarity trial webpage](#)

WHO welcomes preliminary results about dexamethasone use in treating critically ill COVID-19 patients - 16 June 2020

WHO welcomes the initial clinical trial results from the UK that show dexamethasone, a corticosteroid, can be lifesaving for patients who are critically ill with COVID-19. For patients on ventilators, the treatment was shown to reduce mortality by about one third, and for patients requiring only oxygen, mortality was cut by about one fifth, according to preliminary findings shared with WHO.

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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