

Covid -19 Evidence Update

21/04/2020

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Royal College/Society Guidance

Latest information and guidance

NICE Rapid guidelines and evidence summaries	NHS England and NHS Improvement Advice for clinicians in secondary care (Includes Prevention, Infection control, Assessment, Management, Discharge, Isolation, Speciality guides, Estates and facilities, Finance ...)
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

Database searches – items added in the last week

Healthcare Workers

[Maintaining Our Humanity Through the Mask: Mindful Communication During COVID-19](#)

Journal of the American Geriatrics Society

When it comes to communication, we rely on language at the expense of the rest of our communication toolbox. However, nonverbal communication is just as important as the words we use.

[What's happening in covid-19 ICUs? An intensive care doctor answers some common questions](#)

BMJ

“four intensivists tell Emma Wilkinson how they’re coping”

[Global guidance for surgical care during the COVID-19 pandemic](#)

BJS

“A backlog of procedures after the end of the COVID-19 pandemic is inevitable, and hospitals should plan how to address this effectively to ensure that patients having elective treatment have the best possible outcomes.”

[COVID-19 and student nurses: a view from England](#)

Journal of Clinical Nursing

“It is vital that whatever decision these students make, either to go into practice, or to follow the theory only route, that they are fully supported in their decision, and not judged.”

[The use of UV fluorescent powder for COVID-19 airway management simulation training](#)

Anaesthesia

“With the recognition that aerosol generating procedures are of particular importance to practice due to their high risk of virus transmission, we offer an additional tool for COVID-19 airway simulation training that helped consolidate learning and motivate change to practice in hospitals across Vancouver.”

[How to avoid nosocomial spread during Tracheostomy for Covid-19 patients](#)

Head & Neck

“Each tracheostomy was evaluated by intensive care physicians and otolaryngologists before operations.”

[A Guide to Facial Trauma Triage and Precautions in the COVID-19 Pandemic](#)

Facial Plastic Surgery & Aesthetic Medicine

“Our proposed algorithm aims to balance patient care with patient/medical personnel protection as well as judicious health care utilization.”

[Prevention and control measures in radiology department for COVID-19](#)

Emergency Radiology

“we summarized the experience on prevention and control measures in radiology department for COVID-19, aiming to guide the prevention and practical work for radiologists and radiological technologists.”

[A Call to Action: Novel Ways that Hepatologists Can Contribute to Patient Care During the COVID-19 Pandemic](#)

Digestive Diseases and Sciences

“Management of COVID-19 therapies in patients with elevated liver enzymes: Many of the medications being used to treat patients with COVID-19, including as part of therapeutic trials, can be associated with liver enzyme elevation”

[What Is the Appropriate Use of Laparoscopy over Open Procedures in the Current COVID-19 Climate?](#)

Journal of Gastrointestinal Surgery

“Despite very little evidence to support viral transmission through laparoscopic or open approaches, we recommend making modifications to surgical practice such as the use of smoke evacuation and minimizing energy device use among other measures to minimize operative staff exposure to aerosolized particles.”

[Letter: Rongeurs, Neurosurgeons, and COVID-19: How Do We Protect Health Care Personnel During Neurosurgical Operations in the Midst of Aerosol-Generation From High-Speed Drills?](#)

Neurosurgery

“we recommend our fellow neurosurgeons and trainees to uphold the traditional craft of using hand drills and rongeur in order to minimize aerosol generation from the neurosurgical powered instruments during the COVID-19 pandemic”

[Hospital Preparedness for COVID-19: A Practical Guide from a Critical Care Perspective](#)

American Journal of Respiratory and Critical Care Medicine

We describe in granular detail, the procedures and processes developed during a one month period while surge planning was ongoing and the need for intensive care unit capacity rose exponentially.

[Common breaches in biosafety during donning and doffing of protective personal equipment used in the care of COVID-19 patients](#)

Canadian Journal of Anesthesia

Correspondence

[European Society of Trauma and Emergency Surgery \(ESTES\) recommendations for trauma and emergency surgery preparation during times of COVID-19 infection](#)

European Journal of Trauma and Emergency Surgery

Recommendation

[Environmental cleaning is effective for the eradication of severe acute respiratory syndrome coronavirus 2 \(SARS-CoV-2\) in contaminated hospital rooms: A patient from the Diamond Princess cruise ship](#)

Infection Control & Hospital Epidemiology

“our data indicate the effectiveness of environmental cleaning for SARS-CoV-2 decontamination. This information is useful for infection control strategies and may alleviate the concerns of medical staff”

[Covid-19: Countermeasure for N95 mask-induced pressure sore](#)

[COVID-19 Pandemic: What Every Otolaryngologist–Head and Neck Surgeon Needs to Know for Safe Airway Management](#)

Otolaryngology–Head and Neck Surgery

“This commentary provides background on the outbreak, highlights critical considerations around mitigating infectious aerosol contact, and outlines best practices for airway-related clinical decision making during the COVID-19 pandemic.”

[Mitigating the psychological effects of COVID-19 on health care workers](#)

CMAJ

Commentary: “Strong leadership with clear, honest and open communication is needed to offset fears and uncertainties.”

[COVID-19: What Paramedics Need to Know!](#)

Canadian Journal of Emergency Medicine

“this article provides guidance to paramedics on the best approach to COVID-19 patients in the prehospital setting”

Children & Neonates

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

[Waiting for COVID-19](#)

Journal of Paediatrics and Child Health

Viewpoint: “I wrote this as a narrative piece for school, but it is a very honest description of how I'm feeling at this time.”

[Management of Infantile Hemangiomas during the COVID Pandemic](#)

Pediatric Dermatology

“Infantile hemangiomas can require urgent evaluation and risk stratification to determine which infants need treatment and which can be managed with continued observation.”

[The role of children in the transmission of *mild* SARS-CoV-2 infection](#)

Acta Paediatrica

“In trying to understand the spread of the disease, one of the most notable features is that only a small number of *severe* SARS-CoV-2 infections have involved children.”

[How we deal with the COVID-19 epidemic in an Italian pediatric onco-hematology clinic located in a region at high density of cases](#)

British Journal of Haematology

Letter: “All staff members have been actively screened to detect COVID-19 positive cases as early as possible; in particular, staff members have been screened once every 10 days in absence of symptoms”

[Clinical characteristics of COVID-19 in children compared with adults in Shandong Province, China](#)

Infection

“there is substantial lung injury even among children, but that there is less clinical disease”

[Coinfection of SARS-CoV-2 and multiple respiratory pathogens in children](#)

Clinical Chemistry and Laboratory Medicine

Letter to the editor: “In this retrospective study, we demonstrate that children are not only susceptible to SARS-CoV-2 infection, but they can be coinfecting with SARS-CoV-2 and multiple respiratory viruses and bacterial pathogens including HRSV, HMPV and MP in China.”

[Clinical characteristics of 19 neonates born to mothers with COVID-19](#)

Frontiers of Medicine

“No vertical transmission of SARS-CoV-2 and no perinatal complications in the third trimester were found in our study.”

[Febrile Infant: COVID-19 in Addition to the Usual Suspects](#)

The Pediatric Infectious Disease Journal

Letter to the editor: We report a previously healthy, fully vaccinated, late preterm, 58-day-old male who presented with fever.

[CT features of novel coronavirus pneumonia \(COVID-19\) in children](#)

European Radiology

“Chest CT should be used with more caution in pediatric patients with COVID-19 to protect this vulnerable population from risking radiation.”

[Rapid Development of Telehealth Capabilities within Pediatric Patient Portal Infrastructure for COVID-19 Care: Barriers, Solutions, Results](#)

JAMIA

“From the experience of a large academic medical center, this report describes a pathway for efficiently increasing capacity of remote pediatric enrollment for telehealth while fulfilling privacy, security, and convenience concerns.”

[Coronavirus Disease 2019 \(COVID-19\) and Mental Health for Children and Adolescents](#)

JAMA Pediatrics

Viewpoint: “COVID-19 will have major repercussions for children and adolescents’ health and well-being. Timely action can help lessen the effects and improve long-term capacities for mental health services.”

[SARS-CoV-2 infection \(COVID-19\) in febrile infants without respiratory distress](#)

Clinical Infectious Diseases

“We report two cases of SARS-CoV-2 infection (COVID-19) in infants presenting with fever in the absence of respiratory distress who required hospitalization for evaluation of possible invasive bacterial infections.”

[Paediatric Anaesthetic implications of COVID-19 – A Review of Current Literature](#)

Pediatric Anesthesia

“This article reviews the relevant paediatric literature surrounding COVID-19 and summarises the key recommendations for anaesthetists involved in the care of children during this pandemic.”

[Dealing with COVID-19 in a Pediatric Rheumatology Unit in Italy](#)

Pediatric Drugs

Commentary: “data suggest that immunosuppressed patients may not be at increased risk of severe infection compared with the general population.”

[Sequential analysis of viral load in a neonate and her mother infected with SARS-CoV-2](#)

Clinical Infectious Diseases

“We report changes in viral load over time in a 27-day old neonate with COVID-19 who presented with fever, cough, and vomiting.”

Pregnancy & Birth

[COVID-19 vaginal delivery – a case report](#)

ANZJOG

“We report a case from a tertiary Australian hospital describing an uncomplicated vaginal birth in a SARS-CoV-2 positive mother. To our knowledge this is also the first case described of a mother with COVID-19 not separated from her infant.”

[Universal Screening for SARS-CoV-2 in Women Admitted for Delivery](#)

NEJM

Letter to the editor: “Our use of universal SARS-CoV-2 testing in all pregnant patients presenting for delivery revealed that at this point in the pandemic in New York City, most of the patients who were positive for SARS-CoV-2 at delivery were asymptomatic, and more than one of eight asymptomatic patients who were admitted to the labor and delivery unit were positive for SARS-CoV-2.”

[Considerations for Obstetric Care during the COVID-19 Pandemic](#)

American Journal of Perinatology

“This review will discuss what is known about the virus as it relates to pregnancy and then consider management considerations based on these data.”

[COVID19 and acute coagulopathy in pregnancy](#)

Journal of Thrombosis and Haemostasis

Case Report: “We present a putative link between maternal COVID19 infection in the peripartum period and rapid maternal deterioration with early organ dysfunction and coagulopathy.”

[Clinical Characteristics of Pregnant Women with Covid-19 in Wuhan, China](#)

NEJM

Correspondence: “the risk of severe disease in our pregnant population (8%) compared favorably with the risk reported in the general population of patients presenting with Covid-19 across mainland China (15.7%).”

[Severe COVID-19 during Pregnancy and Possible Vertical Transmission](#)

American Journal of Perinatology

“We report a severe presentation of COVID-19 during pregnancy. To our knowledge, this is the earliest reported positive PCR in the neonate, raising the concern for vertical transmission”

[Importance of inclusion of pregnant and breastfeeding women in COVID-19 therapeutic trials](#)

Clinical Infectious Diseases

“we call attention to the need and urgency to engage pregnant women in COVID-19 treatment trials now in order to develop data-driven recommendations regarding the risks and benefits of therapies in this unique but not uncommon population.”

[Why we should not stop giving aspirin to pregnant women during the COVID-19 pandemic](#)

Ultrasound in Obstetrics & Gynecology

Letter to the editor: “To our knowledge, there is insufficient data to suggest an increased risk between prophylactic use of low-dose aspirin and progression of COVID-19 infection in pregnant women at risk of placental complications.”

Adults and Older People

[Clinical Presentation of COVID-19: A Systematic Review Focusing on Upper Airway Symptoms](#)

Ear, Nose & Throat Journal

“Common symptoms were fever (85.6%), cough (68.7%), and fatigue (39.4%). Frequent comorbidities were hypertension (17.4%), diabetes (3.8%), and coronary heart disease (3.8%); 83% of patients had alterations on chest computed tomography that were bilateral in 89.5% of cases.”

[Distinct characteristics of COVID-19 patients with initial rRT-PCR positive and negative results for SARS-CoV-2](#)

Allergy

Letter to the editor: In general, except for two aspects (surgery history and severity), no significant difference was observed in clinical manifestations, laboratory findings, and radiological changes between patients with initial positive and negative rRT-PCR results in the present study.

[Delayed Initiation of Remdesivir in a COVID-19 Positive Patient](#)

Pharmacotherapy

“Late initiation of remdesivir may be effective in treating SARS-CoV-2, unlike antivirals utilized for different disease states, such as oseltamivir, which are most effective when started as soon as possible following symptom onset.”

[A framework for open tracheostomy in COVID-19 patients](#)

Clinical Otolaryngology

Letter to the editor: “this guide is aimed at outlining the steps that can be taken by surgeons to best protect themselves and minimise aerosol generation when called on to perform open surgical tracheostomies on COVID-19 patients.”

[Rapid and Severe Covid-19 Pneumonia with Severe Acute Chest Syndrome in a Sickle Cell Patient Successfully Treated with Tocilizumab](#)

American Journal of Hematology

“For our patient, given the prior history of severe SCD and the potential risks, treatment with hydroxychloroquine and TCZ were initiated, with a positive resolution.”

[Computed Tomography Imaging of an HIV-infected Patient with Coronavirus Disease 2019 \(COVID-19\)](#)

Journal of Medical Virology

Letter to the editor: “the chest CT imaging findings of the case of non-severe COVID-19 pneumonia with HIV infection are mainly patchy shadows in the peripheral lung, involving the interlobar fissure, which are different from the common chest CT findings of COVID-19.”

[SARS-CoV-2 infection in a psoriatic patient treated with IL-23 inhibitor](#)

Journal of the European Academy of Dermatology and Venereology

Letter to the editor: we reported the first case of COVID-19 infection in a psoriatic patient treated with a biologic. The outcome of this case and data from currently available literature suggest that IL-23/IL-17 axis inhibition might not be detrimental in the setting of COVID-19 infection.

[The impact of COPD and smoking history on the severity of Covid-19: A systemic review and meta-analysis](#)

Journal of Medical Virology

“COPD and ongoing smoking history attribute to the worse progression and outcome of Covid-19.”

[The Impact of COVID-19 on Bariatric Surgery: Re-Defining Psychosocial Care](#)

Obesity

Perspective: “Due to this pandemic, the rapid integration of virtual psychosocial care in bariatric surgery programs to address patients’ needs will create new opportunities for clinical and implementation science research.”

[Management of the Difficult Airway in the COVID-19 Pandemic: An Illustrative Complex Head and Neck Case Scenario](#)

Head & Neck

“Careful planning by a multidisciplinary team allowed for appropriate staffing and personal protective equipment, preparations for emergency airway management, evaluation via nasopharyngolaryngoscopy, and COVID testing”

[Smell dysfunction: a biomarker for COVID-19](#)

Allergy & Rhinology

“the present study provides a quantitative assessment of the olfactory function of a cohort of patients with COVID-19. Its findings strongly suggest that some degree of loss of smell function is present in nearly all COVID-19 patients near the end of their acute recovery period.”

[High-flow nasal cannula for COVID-19 patients: low risk of bio-aerosol dispersion](#)

European Respiratory Journal

“There appears to be an uncertainty and a trend to avoid HFNC among COVID-19 patients in the western world, thus increasing early intubation rates and potentially associated harms such as sedation and prolonged intensive care unit stay but also intubation procedures per se which represent a high risk situation for viral exposure.”

[A diagnostic model for coronavirus disease 2019 \(COVID-19\) based on radiological semantic and clinical features: a multi-center study](#)

Chest

“Based on CT imaging and clinical manifestations alone, the pneumonia patients with and without COVID-19 can be distinguished.”

[Digital triage for people with multiple sclerosis in the age of COVID-19 pandemic](#)

Neurological Sciences

“We developed a digital triage tool to be sent to patients to quickly identify people with high risk of COVID-19 infection.”

[Miller Fisher Syndrome and polyneuritis cranialis in COVID-19](#)

Neurology

“Neurological manifestations may occur because of an aberrant immune response to COVID-19.”

[Treating hypoxemic patients with SARS-COV-2 pneumonia: Back to applied physiology](#)

Anaesthesia Critical Care & Pain Medicine

[Hypercoagulability of COVID-19 patients in Intensive Care Unit. A Report of Thromboelastography Findings and other Parameters of Hemostasis](#)

Journal of Thrombosis and Haemostasis

“The results of this cohort of patients with Covid-19 are not consistent with acute DIC, rather they support hypercoagulability together with a severe inflammatory state.”

[COVID-19 in older adults: clinical, psychosocial, and public health considerations](#)

JCI Insight

“Complications of COVID-19 have been particularly severe among older adults, who are the focus of this article”

[Summary of 20 tracheal intubation by anesthesiologists for patients with severe COVID-19 pneumonia: retrospective case series](#)

Journal of Anesthesia

“We had successfully intubated all patients using personal protective equipment without circulatory collapse during tracheal intubation. During the observational period, none of 17 anesthesiologists were infected.”

Oncology

[Recommendations of individualized medical treatment and common adverse events management for lung cancer patients during the outbreak of COVID-19 epidemic](#)

Thoracic Cancer

“Patients with cancer are more likely than the general population to contract COVID-19 because of the systemic immunosuppressive status caused by malignant diseases or anticancer treatment.”

[Preliminary recommendations for lung surgery during COVID-19 epidemic period](#)

Thoracic Cancer

Commentary: "In our proposal, the nucleic acid test of SARS-CoV-2 is not taken as the gold standard for positive or negative new coronavirus."

[How to Guarantee the Best of Care to Patients with Cancer During the COVID-19 Epidemic: The Italian Experience](#)

The Oncologist

"In Italy, we reorganized the National Health System and prioritized the clinical cancer care scenario, balancing risk of SARS-CoV-2 transmission versus the magnitude of clinical benefit deriving from a specific therapeutic approach."

[Disproportionate impact of COVID-19 Pandemic on Head and Neck Cancer Survivors](#)

Head & Neck

"While patients with COVID-19 and other urgent and emergent conditions take priority during the current pandemic, it remains important to remember the care of head and neck cancer survivors, a vulnerable group."

[Care of Immunocompromised Patients with Head and Neck Cancer During the COVID-19 Pandemic: Two Challenging and Informative Clinical Cases](#)

Head & Neck

"We provide some general principles to help guide patient management during the current pandemic"

[Do checkpoint inhibitors compromise the cancer patients' immunity and increase the vulnerability to COVID-19 infection?](#)

Future Medicine

"In this paper, we assess the safety of ICI administration in cancer patients during the coronavirus pandemic in order to guide the usage of these highly efficacious agents."

[Caring for our cancer patients in the wake of COVID-19](#)

British Journal of Cancer

Comment: "We explore why cancer patients may be more susceptible to severe infection and complications, highlighting various interventions that may help to ensure continuity of care in this unique cohort."

[The outbreak of Novel Coronavirus disease \(COVID-19\) caused a worrying delay in the diagnosis of oral cancer in north-west Italy: the Turin Metropolitan Area experience](#)

Oral Diseases

Letter to the editor

Palliative Medicine & Care

[Adapting palliative radiation therapy for bone metastases during the Covid-19 pandemic: GEMO position paper](#)

Journal of Bone Oncology

"It is essential to adapt the medical treatment as much as possible and to avoid palliative radiotherapy in patients controlled by level 1 to 3 oral analgesics."

[Not Dying Alone — Modern Compassionate Care in the Covid-19 Pandemic](#)

NEJM

Perspective

Endoscopy/Gastroenterology

[COVID-19 and gastrointestinal endoscopies: current insights and emergent strategies](#)

Digestive Endoscopy

“This article focuses on the risk of COVID-19 transmission by GI shedding, the potential role of endoscopes as a vector of this novel virus including transmission during endoscopies and prevention strategies including deferral of elective non-urgent endoscopy procedures.”

[Emergency endoscopic variceal band ligation in a COVID-19 patient presented with hematemesis while on mechanical ventilation](#)

Digestive Endoscopy

“In this case report, we present a case of successful endoscopic band ligation for bleeding esophageal varices in man with COVID-19 disease who presented with an acute attack of hematemesis while on mechanical ventilation (MV).”

[Gastroenterology department operational reorganisation at the time of covid-19 outbreak: an Italian and Chinese experience](#)

Gut

“Based on Italian and Chinese experience, our proposal is actually driven by the need of two-way protection for GI patients and health professionals whose rate of infection is extremely high (at least 10%)”

[Resource-sparing urgent endoscopies by a mobile on-call team in the Paris area during the COVID-19 outbreak](#)

Gastrointestinal Endoscopy

Letter to the editor: “A mobile team reduces the need for patients’ transportation at a time when the ambulance system and logistics are saturated. We expect that it also probably reduces the risk of dissemination of the virus.”

[Emergency endoscopic variceal band ligation in a COVID-19 patient presented with hematemesis while on mechanical ventilation](#)

Digestive Endoscopy

“We conclude that emergency endoscopic interventions could be performed safely with appropriate arrangements in patients with confirmed COVID-19 on mechanical ventilation”

[Covid-19 and immunomodulation in IBD](#)

Gut

“Here, the current understanding of the pathophysiology of covid-19 is reviewed with special reference to immune cell activation.”

[British Society of Gastroenterology guidance for management of inflammatory bowel disease during the COVID-19 pandemic](#)

Gut

“In the UK, we have rapidly mobilised inflammatory bowel disease (IBD) centres in order that preparations can be made to protect our patients and the clinical services they rely on.”

[Gastrointestinal symptoms associated with severity of coronavirus disease 2019 \(COVID-19\): a pooled analysis](#)

Internal and Emergency Medicine

Letter to the editor & review

[Concerns related to COVID-19 pandemic among patients with Inflammatory Bowel Disease, and its influence on patients management](#)

European Journal of Clinical Investigation

“we observed that the diffusion of infection has raised concerns among IBD patients, as in the general population, and we demonstrated that this concern was significantly more tangible among IBD patients on immunosuppressive drugs”

[Impact of anti-tnf \$\alpha\$ antibodies on the risk of Covid-19 and its severity in patients with inflammatory Bowel Diseases](#)

Journal of Crohn’s and Colitis

Letter to the editor

Cardiology

[Performance of electrophysiology procedures at an academic medical center amidst the 2020 coronavirus \(COVID-19\) pandemic](#)

Journal of Cardiovascular Electrophysiology

“Aside from the pulmonary manifestations of disease, there are likely to be several electrophysiologic (EP) sequelae of COVID-19 infection and its treatment, due to consequences of myocarditis and the use of QT-prolonging drugs.”

[Protecting patients and healthcare personnel from COVID-19: considerations for practice and outpatient care in cardiology](#)

Herz

Letter to the editor: “The following considerations are based on early experiences reported from Wuhan, recent recommendations of the European Association of Cardiovascular Imaging (EACVI; [4]), a subspecialty community of the European Society of Cardiology (ESC), and the author’s personal experience after four members of his medical staff were infected with SARS-CoV-2”

[First successful treatment of COVID-19 induced refractory cardiogenic plus vasoplegic shock by combination of pVAD and ECMO – a case report](#)

ASAIO

“we present the first case report of a successful treatment of a COVID-19 patient presenting with ARDS plus refractory combined cardiogenic and vasoplegic shock”

[Donning and doffing of personal protective equipment \(PPE\) for angiography during the COVID-19 crisis](#)

European Heart Journal

Visual and bullet point guidance

[COVID-19-related myocarditis in a 21-year-old female patient](#)

European Heart Journal

Case Study

[Neprilysin inhibitor–angiotensin II receptor blocker combination \(sacubitril/valsartan\): rationale for adoption in SARS-CoV-2 patients](#)

European Heart Journal Cardiovascular Pharmacotherapy

Correspondence

[Priorities for Cath labs in the COVID-19 tsunami: Roberto Ferrari and co-authors present a procedure to follow subsequent to the outbreak in Italy](#)

European Heart Journal

“For this journey in this present time of ‘war’, there is the need for strong alliances, perfect networking, and much training.”

[Typical takotsubo syndrome triggered by SARS-CoV-2 infection](#)

European Heart Journal

Case Report

[Outcomes in Patients with COVID-19 Infection Taking ACEI/ARB](#)

Current Cardiology Reports

“Even though physiological models of SARS-CoV infection show a theoretical benefit of ACEI/ARB, these findings cannot be extrapolated to SARS-CoV-2 causing COVID-19”

[Inhibitors of the renin–angiotensin system: The potential role in the pathogenesis of COVID-19](#)

Cardiology Journal

"This paper describes their potential role in the pathogenesis of COVID-19, which may provide useful in the advice of cardiologists and physicians."

[Management of elective aortic valve replacement over the long term in the era of COVID-19](#)

European Journal of Cardio-Thoracic Surgery

Letter to the editor: "As numerous patients await elective aortic valve intervention for aortic stenosis (AS) during this unprecedented outbreak of severe acute respiratory syndrome coronavirus 2 in 2019 (COVID-19), there is serious concern for the possibility of morbidity and mortality during prolonged wait-times."

[Cell type-specific expression of the putative SARS-CoV-2 receptor ACE2 in human hearts](#)

European Heart Journal

"these novel data suggest that it will be important to monitor SARS-CoV-2-infected patients for cardiovascular complications and assess the impact of ARB/ACE inhibitor therapy."

[The Science Underlying COVID-19: Implications for the Cardiovascular System](#)

Circulation

"In addition to the airways and lungs, the cardiovascular system is often involved in COVID-19 early, reflected in the release of highly sensitive troponin and natriuretic peptides, which are all extremely prognostic, particularly in those showing continued rise, along with cytokines such as IL-6."

[Cardiac involvement in COVID-19 patients: Risk factors, predictors, and complications: A review](#)

Journal of Cardiac Surgery

"This review seeks to gather and distill the existing body of literature that describes the cardiac implications of COVID-19."

[Description and Proposed Management of the Acute COVID-19 Cardiovascular Syndrome](#)

Circulation

"Management of ACovCS should involve a multidisciplinary team including intensive care specialists, infectious disease specialists and cardiologists."

Transplant

[COVID-19 in a Kidney Transplant Patient](#)

European Urology

Research Letter: "This immunosuppressed case might help physicians to establish optimal treatment strategies for similar severe cases."

[Immunosuppressive therapy maintenance in a kidney transplant recipient SARS-CoV-2 pneumonia: a case report](#)

American Journal of Transplantation

"We report a case of a 32-year-old KTR who developed SARS-CoV-2 infection and fully recovered in 15 days while maintaining standard immunosuppressive therapy."

[Clinical characteristics and immunosuppressants management of coronavirus disease 2019 in solid organ transplant recipients](#)

American Journal of Transplantation

"We report two cases of COVID-19 in two transplant recipients, with different treatments and prognoses."

[First case of COVID-19 in a kidney transplant recipient treated with belatacept](#)

American Journal of Transplantation

Letter to the editor: "We hypothesize that the mild clinical course of COVID-19 observed in our immunocompromised patient may have been, at least in part, related to belatacept-related blockade of massive cytokines/chemokines production."

[Early Impact of COVID-19 on Transplant Center Practices and Policies in the United States](#)

American Journal of Transplantation

“Complete suspension of live donor kidney transplantation was reported by 71.8% and live donor liver by 67.7%.”

[COVID-19: Thoughts and comments from a Tertiary Liver Transplant Center in France](#)

American Journal of Transplantation

Letter to the editor: “Liver transplantation is currently reserved to the most urgent cases, which means candidates with fulminant hepatic failure, high MELD score (> 25) or for which the 3-month risk of ‘Drop-out’ (e.g. malignant disease progression) is greater than the risk of getting infected with SARS-CoV-2.”

[Coronavirus disease 2019: Utilizing an ethical framework for rationing absolutely scarce healthcare resources in transplant allocation decisions](#)

American Journal of Transplantation

Personal Viewpoint: “In this paper, we discuss how to transition from the traditional justice versus utility consideration in organ allocation to a more nuanced allocation scheme based on ethical values that drive decisions in times of absolute scarcity.”

[Clinical Best Practice Advice for Hepatology and Liver Transplant Providers During the COVID-19 Pandemic: AASLD Expert Panel Consensus Statement](#)

Hepatology

“The goals of this document are to provide data on what is currently known about COVID-19, and how it may impact hepatologists and liver transplant providers and their patients.”

[Case Report: A Kidney Transplant Patient with Mild COVID-19](#)

Transplant Infectious Disease

“we report the clinical features and our treatment approach for a kidney transplant patient with a diagnosis of COVID-19. We believe that screening protocols for SARS-Cov-2 should be re-evaluated in patients with solid-organ transplants.”

[COVID-19 Associated Hepatitis Complicating Recent Living Donor Liver Transplantation](#)

Archives of Pathology & Laboratory Medicine

“We present a case of COVID-19 hepatitis in a living donor liver allograft recipient whose donor subsequently tested positive for COVID-19.”

Pathology, Drug Therapy

[SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor](#)

Cell

“we demonstrate that SARS-CoV-2 uses the SARS-CoV receptor ACE2 for entry and the serine protease TMPRSS2 for S protein priming. A TMPRSS2 inhibitor approved for clinical use blocked entry and might constitute a treatment option.”

[Cytokine storm and immunomodulatory therapy in COVID-19: role of chloroquine and anti-IL-6 monoclonal antibodies](#)

International Journal of Antimicrobial Agents

“Overall, certain immunomodulatory agents with good safety profiles may be considered for use in combination with antiviral drugs for the treatment of severe or critical cases of COVID-19.”

[A systematic review of the prophylactic role of chloroquine and hydroxychloroquine in Coronavirus Disease-19 \(COVID-19\)](#)

International Journal of Rheumatic Diseases

“Although pre-clinical results are promising, till date, there is dearth of evidence to support the efficacy of CQ or HCQ in preventing COVID-19.”

[Hydroxychloroquine and covid-19](#)

Postgraduate Medical Journal

“The purpose of this article is to review the history and mechanism of actions of these drugs and the potential use they can have on the current covid-19 pandemic.”

[Optimizing hydroxychloroquine dosing for patients with COVID-19: An integrative modeling approach for effective drug repurposing](#)

Clinical Pharmacology and Therapeutics

“Our goal was to integrate historic and emerging pharmacological and toxicity data to understand safe and efficacious HCQ dosing strategies for COVID-19 treatment.”

[Virological and Clinical Cure in Covid-19 Patients Treated with Hydroxychloroquine: A Systematic Review and Meta-Analysis](#)

Journal of Medical Virology

“HCQ seems to be promising in terms of less number of cases with radiological progression with a comparable safety profile to control/conventional treatment.”

[COVID-19: Recommended sampling sites at different stage of the disease](#)

Journal of Medical Virology

Commentary: Special attention should be paid to the symptoms or nucleic acid retest results during the subsequent rehabilitation or 14-day intensive isolation period for such patients

[C-reactive protein correlates with CT findings and predicts severe COVID-19 early](#)

Journal of Medical Virology

“CRP in severe COVID-19 patients increased significantly at the initial stage, prior to CT findings. Importantly, CRP, which was associated with disease development, predicted early severe COVID-19.”

[SARS-CoV-2 receptor ACE2 and TMPRSS2 are primarily expressed in bronchial transient secretory cells](#)

The EMBO Journal

“Here, we investigate ACE2 and TMPRSS2 expression levels and their distribution across cell types in lung tissue (twelve donors, 39,778 cells) and in cells derived from subsegmental bronchial branches (four donors, 17,521 cells) by single nuclei and single cell RNA sequencing, respectively.”

[SARS-CoV-2, an evolutionary perspective of interaction with human ACE2 reveals undiscovered amino acids necessary for complex stability](#)

Evolutionary Applications

“Modeling results indicate that interfering with the salt bridges at hot spot 353 could be an effective strategy for inhibiting binding, and hence for the prevention of SARS-CoV-2 infections.”

[Coinfection with COVID-19 and Coronavirus HKU1 – the critical need for repeat testing if clinically indicated](#)

Journal of Medical Virology

Letter to the editor: “Clinicians need to be aware of co-infections among HCoVs. A high degree of suspicion in this rapidly evolving outbreak is required in order to make the diagnosis.”

[SARS-CoV-2 Viral Load in Clinical Samples of Critically Ill Patients](#)

American Journal of Respiratory and Critical Care Medicine

“Here, we investigate the viral load in specimens from multiple sites and the duration of viral shedding in respiratory tract samples from laboratory confirmed critically ill patients with COVID-19 requiring ICU admission”

[Changes in Blood Coagulation in Patients with Severe Coronavirus Disease 2019 \(COVID-19\): a Meta-Analysis](#)

British Journal of Haematology

Letter: “we conducted this quantitative meta-analysis to explore the difference in blood coagulation parameters between severe and mild cases of COVID-19.”

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

Blood

Letter to the editor: “Ibrutinib and possibly other BTK-inhibitors may therefore provide protection against lung injury, and even improve pulmonary function in hypoxic patients with COVID-19 as we observed in this series of WM patients on ibrutinib”

[Mechanism of thrombocytopenia in COVID-19 patients](#)

Annals of Hematology

“We propose several mechanisms by which coronavirus disease 2019 causes thrombocytopenia to better understand this disease and provide more clinical treatment options.”

[The procoagulant pattern of patients with COVID-19 acute respiratory distress syndrome](#)

Journal of Thrombosis and Haemostasis

“The pro-coagulant pattern of these patients may justify the clinical reports of thromboembolic complications (pulmonary embolism) during the course of the disease.”

[Impact of the COVID-19 pandemic on therapeutic choices in Thrombosis-Hemostasis](#)

Journal of Thrombosis and Haemostasis

Letter to the editor: “For DOACS, the administration of a fixed dose, the absence of monitoring, the limited number of drug interferences, the monotherapy without prior treatment with heparins for patients with acute venous thromboembolic disease and the absence of bridging with heparin during invasive procedures are all major advantages.”

[Hematological findings and complications of COVID-19](#)

American Journal of Hematology

“blood hypercoagulability is common among hospitalized COVID-19 patients.”

[Abnormal coagulation parameters are associated with poor prognosis in patients with novel coronavirus pneumonia](#)

Journal of Thrombosis and Haemostasis

Letter to the editor: “In summary, patients with severe Covid 19 are at greater risk of DIC which may be further complicated by the effects of the ECMO circuit and the combination may increase thrombo-haemorrhagic morbidity.

[Thrombocytopenia and Its Association with Mortality in Patients with COVID-19](#)

Journal of Thrombosis and Haemostasis

“Thrombocytopenia is common in patients with COVID-19, and it is associated with increased risk of in-hospital mortality.”

[Venous thromboembolism in COVID-19 patients](#)

Journal of Thrombosis and Haemostasis

Letter to the editor: “In this retrospective analysis, conducted at the Tongji Hospital of Wuhan, China, it is reported that heparin treatment reduces mortality in subjects affected by severe COVID-19 who have “sepsis-induced coagulopathy”.”

[Pathological evidence of pulmonary thrombotic phenomena in severe COVID-19](#)

Journal of Thrombosis and Haemostasis

Letter to the editor: “ARS-Cov-2 induces in severe cases a cytokine storm that ultimately leads to the activation of the coagulation cascade, causing thrombotic phenomena (5). There is a further strong link between abnormal coagulation parameters (D-dimer and fibrin degradation products) and mortality.”

[Relationships among Lymphocyte Subsets, Cytokines, and the Pulmonary Inflammation Index in Coronavirus \(COVID-19\) Infected Patients](#)

British Journal of Haematology

"We explored the relationships between lymphocyte subsets, cytokines, pulmonary inflammation index (PPI), and disease evolution in patients with COVID-19."

[Reactive lymphocytes in patients with Covid-19](#)

British Journal of Haematology

"We examined the peripheral blood films of 32 patients and found reactive lymphocytes as shown in the top images in 23 cases (72%)."

[Routine blood tests as a potential diagnostic tool for COVID-19](#)

Clinical Chemistry and Laboratory Medicine

"Using rRT-PCR as the gold standard, almost 70% of the patients could be classified as COVID-19 positive or negative on the basis of their hematological parameters."

[Management of COVID-19 Related Paediatric Blood Samples in a Clinical Haematology Laboratory](#)

British Journal of Haematology

"Compared to adults, clinical identification of potential COVID-19 infected children may not be as obvious, adding to the risk of laboratory staff unknowingly handling a blood sample with SARS-CoV-2."

[SARS-CoV-2 Seroconversion in Humans: A Detailed Protocol for a Serological Assay, Antigen Production, and Test Setup](#)

Current Protocols

"Here we describe a detailed protocol for expression of antigens derived from the spike protein of SARS-CoV-2 that can serve as a substrate for immunological assays, as well as a two-stage serological enzyme-linked immunosorbent assay (ELISA)."

[On the alert for cytokine storm: Immunopathology in COVID-19](#)

Arthritis & Rheumatology

"In COVID-19 patients with evidence for cytokine storm, treatment with glucocorticoids, IVIG, and/or anti-cytokine therapies should be considered with the aim of reverting hyperinflammation before ARDS occurs"

[A Study of Nonstructural Protein 1 of SARS Coronavirus](#)

The FASEB Journal

Our preliminary explorations show significant topological changes on nsp1's surface for specific mutations.

[Comparison of throat swabs and sputum specimens for viral nucleic acid detection in 52 cases of novel coronavirus \(SARS-Cov-2\)-infected pneumonia \(COVID-19\)](#)

Clinical Chemistry and Laboratory Medicine

"the detection rates of 2019-nCoV from sputum specimens are significantly higher than those from throat swabs using the RT-PCR assay."

[Pharmacologic Treatments for Coronavirus Disease 2019 \(COVID-19\)](#)

JAMA

"No therapies have been shown effective to date."

[Cytokine release syndrome in severe COVID-19](#)

Science

"the expert consensus from infectious disease authorities and the WHO is to avoid systemic corticosteroids in COVID-19 patients at present. A theoretical possibility is that the suppression of inflammation by IL-6 antagonism might delay viral clearance."

[Prognostic value of NT-proBNP in patients with severe COVID-19](#)

Respiratory Research

"NT-proBNP might be an independent risk factor for in-hospital death in patients with severe COVID-19."

[Mesenchymal Stem Cell Therapy for COVID-19: Present or Future](#)

Stem Cell Reviews and Reports

"In this study, we considered this new approach to improve patient's immunological responses to COVID-19 using MSCs and discussed the aspects of this proposed treatment."

[Potential for developing a SARS-CoV receptor-binding domain \(RBD\) recombinant protein as a heterologous human vaccine against coronavirus infectious disease \(COVID\)-19](#)

Human Vaccines & Immunotherapeutics

Commentary: "Our findings include evidence that convalescent serum from SARS-CoV patients can neutralize SARS-CoV-2."

[COVID-19 pneumonia: ARDS or not?](#)

Critical Care

Editorial "Even though it can meet the ARDS Berlin definition [1, 2], the COVID-19 pneumonia is a specific disease with peculiar phenotypes."

[Testing for SARS-CoV-2: Can We Stop at Two?](#)

Clinical Infectious Diseases

"This report describes the effectiveness of our testing strategy and highlights the importance of repeat testing in suspect cases in our cohort."

[Antibody Detection and Dynamic Characteristics in Patients with COVID-19](#)

Clinical Infectious Diseases

"The antibodies against SARS-CoV-2 can be detected in the middle and later stage of the illness."

[Rates of Co-infection Between SARS-CoV-2 and Other Respiratory Pathogens](#)

JAMA

Research Letter: "We studied 1217 specimens tested for SARS-CoV-2 and other respiratory pathogens, from 1206 unique patients; 116 of the 1217 specimens (9.5%) were positive for SARS-CoV-2 and 318 (26.1%) were positive for 1 or more non-SARS-CoV-2 pathogens"

[Positive RT-PCR tests among discharged COVID-19 patients in Shenzhen, China](#)

Infection Control & Hospital Epidemiology

"The time between discharge and positive RT-PCR tests is 4.7 days on average. These numbers shed light on the viral dynamics of COVID-19."

[Real-time RT-PCR in COVID-19 detection: issues affecting the results](#)

Expert Review of Molecular Diagnostics

[Computational studies of drug repurposing and synergism of lopinavir, oseltamivir and ritonavir binding with SARS-CoV-2 protease against COVID-19](#)

Journal of Biomolecular Structure and Dynamics

"Our analysis through computational methods revealed that the binding energy of the combination of drugs against the protein is stronger than that of each drug docked against the protein individually"

[Pathogenesis of COVID-19 from a cell biology perspective](#)

European Respiratory Journal

"Based on the cells that are likely infected, COVID-19 can be divided into three phases that correspond to different clinical stages of the disease"

Community et al

[Novel coronavirus \(COVID-19\) standard operating procedure: Community health services](#)

NHS England

Guidance – 15 April

[COVID-19 in the community](#)

British Journal of Community Nursing

Editorial

[Teledermatology in the Era of COVID-19: Experience of an Academic Department of Dermatology](#)

Journal of the American Academy of Dermatology

Correspondence: “Every patient with an existing appointment was called using a call-script and offered a 45 live interactive telemedicine visit. Established patients who were unable or unwilling to 46 perform a video visit were offered the option of a telephone visit.”

[Can post-exposure prophylaxis for COVID-19 be considered as one of outbreak response strategies in long-term care hospitals?](#)

International Journal of Antimicrobial Agents

Letter to the editor: “After a large COVID-19 exposure event in a LTCH in Korea, PEP using hydroxychloroquine (HCQ) was conducted to 211 persons including 189 patients and 22 careworkers, whose baseline polymerase chain reaction (PCR) tests for COVID-19 were negative.”

[Keep Socially \(but Not Physically\) Connected and Carry on: Preventing Suicide in the Age of COVID-19](#)

The Journal of Clinical Psychiatry

“Our hope is that as people stay confined, they can stay connected to their loved ones (via phone call), to social networks, to their psychiatrists, and to culture”

[Coronavirus anxiety scale: A brief mental health screener for COVID-19 related anxiety](#)

Death Studies

US study: “The objective of this study was to develop and evaluate the properties of the Coronavirus Anxiety Scale (CAS), which is a brief mental health screener to identify probable cases of dysfunctional anxiety associated with the COVID-19 crisis.”

[Covid-19 \(Coronavirus\): Challenges for Psychiatry](#)

The British Journal of Psychiatry

“Regrettably, there is already evidence that, in China at least, psychological and psychiatric care have been neglected in the context of Covid-19.”

[Impact of COVID-19 on Physical Therapist Practice in Portugal](#)

Physical Therapy

“Physical therapist interventions remain fundamental for the health of our communities and should not be avoided as a general rule”

[The Essential Role of Home- and Community-Based Physical Therapists During the COVID-19 Pandemic](#)

Physical Therapy

Point of View: “we encourage all home- and community-based therapists to fight to be recognized as essential health care providers across all care settings during the COVID-19 pandemic”

[Italian Physical Therapists’ Response to the Novel COVID-19 Emergency](#)

Physical Therapy

“This commentary seeks to share some key insights relevant to optimize the physical therapy reaction in response to Covid-19 infection although the quality and availability of data is today a challenge”

[Telemedicine and support groups in order to improve the adherence to treatment and health related quality of life in patients affected by inflammatory skin conditions during COVID-19 emergency](#)

Clinical and Experimental Dermatology
Correspondence

[Novel Coronavirus Disease \(COVID-19\) and Biologic Therapy in Psoriasis: Infection Risk and Patient Counseling in Uncertain Times](#)

Dermatology and Therapy

Commentary: "There is no evidence to recommend prophylactically stopping or postponing biologic therapy in all patients with psoriasis"

[Meeting the Care Needs of Older Adults Isolated at Home During the COVID-19 Pandemic](#)

JAMA Internal Medicine

Viewpoint: "Although older adults living in the community are highly susceptible to death from COVID-19, their non-COVID-19 care should not be forgotten."

General

[COVID-19 and neuromuscular disorders](#)

Neurology

"This paper reviews 1) potential NM complications of COVID-19, 2) assessment and mitigation of COVID-19-related risk for patients with pre-existing NM disease, 3) guidance for management of immunosuppressive and immunomodulatory therapies, 4) practical guidance regarding NM care delivery, telemedicine and education, and 5) impact on neuromuscular research."

[Well-aerated Lung on Admitting Chest CT to Predict Adverse Outcome in COVID-19 Pneumonia](#)

Radiology

"In patients with confirmed COVID-19 pneumonia, visual or software quantification the extent of CT lung abnormality were predictors of ICU admission or death."

[Chest CT and Coronavirus Disease \(COVID-19\): A Critical Review of the Literature to Date](#)

American Journal of Roentgenology

"At present, CT should be reserved for evaluation of complications of COVID-19 pneumonia or for assessment if alternative diagnoses are suspected."

[SARS-CoV-2 Vaccines: Status Report](#)

Immunity

[The Baffling Case of Ischemic Stroke Disappearance from the Casualty Department in the COVID-19 Era](#)

European Neurology
Editorial

[Extracorporeal membrane oxygenation therapy in the COVID-19 pandemic](#)

Future Medicine

"we aim to review ECMO as a mechanical support option in COVID-19 patients with critical disease."

[The duration of viral shedding of discharged patients with severe COVID-19](#)

Clinical Infectious Diseases

"It is advisable to continue follow-up discharged patients even after discontinuing quarantine for further viral shedding information."

[The application of strong matrix management and PDCA cycle in the management of severe COVID-19 patients](#)

Critical Care

Editorial

[Managing New-Onset Type 1 Diabetes During the COVID-19 Pandemic: Challenges and Opportunities](#)

Diabetes Technology & Therapeutics

“The present case reports illustrate how telemedicine can be used safely and effectively for new-onset T1D training and education for both pediatric and adult patients and their families.”

[The impact of coronavirus infectious disease 19 \(COVID-19\) on oral health](#)

Oral Diseases

“the overall impact of COVID-19 on oral health seems to be multi-directional, immune-related and most probably indirect, acting through various routes, reflecting the pathological nature of coronavirus respiratory track invasion via mucous membranes”

[Surge capacity of intensive care units in case of acute increase in demand caused by COVID-19 in Australia](#)

The Medical Journal of Australia

“The directors of Australian ICUs report that intensive care bed capacity could be near tripled in response to the expected increase in demand caused by COVID-19.”

[Thoracic ultrasound and SARS-COVID-19: a pictorial essay](#)

Journal of Ultrasound

“In conclusion, thoracic ultrasound can be used as a screening method for lung involvement in any care setting, even at the patient’s home.”

[Innovative screening tests for COVID-19 in South Korea](#)

Clinical and Experimental Emergency Medicine

“This commentary introduces innovative screening tests that are currently used in South Korea for COVID-19, e.g., Drive-Through and Walk-Through tests, and compare the advantages and disadvantages of both methods.”

Dynamed Plus - [COVID-19 \(Novel Coronavirus\)](#)

Latest updates

17 APR 2020

2,074,529 confirmed cases of coronavirus disease 2019 (COVID-19) including 139,378 deaths worldwide reported by World Health Organization (WHO) as of April 17, 2020 (WHO Situation Report 2020 Apr 17)

[View in topic](#)

17 APR 2020

SARS-CoV-2 Fluorescent PCR Kit to detect RNA from SARS-CoV-2 in upper respiratory specimens (such as oropharyngeal swabs, nasopharyngeal swabs, nasal swabs, mid-turbinate swabs) from individuals suspected of having COVID-19 (FDA emergency use authorization 2020 Apr 15; FDA fact sheet for healthcare providers 2020 Apr 15)

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17 APR 2020

0.8% of general population in Iceland SARS-CoV-2 positive between March 13 and April 4, 2020 (N Engl J Med 2020 Apr 14 early online)

[View in topic](#)

16 APR 2020

FDA issues Emergency Use Authorization permitting emergency usage of B. Braun Space and Outlook Pumps for tracheal delivery of continuously nebulized medications into a nebulizer in patients suspected of having COVID-19 infection to decrease exposure of healthcare providers to such patients (FDA emergency use authorization 2020 Apr 11)

[View in topic](#)

16 APR 2020

in addition to multiple other interventions, IVIG within 48 hours of ICU admission associated with reduced mortality in patients with severe or critical COVID-19 compared to IVIG started later than 48 hours (J Infect 2020 Apr 10 early online)

[View in topic](#)

16 APR 2020

arbidol monotherapy associated with shorter duration of viral RNA positivity compared to lopinavir/ritonavir in patients with COVID-19 (J Infect 2020 Apr 10 early online)

[View in topic](#)

15 APR 2020

duration of subsequent interventions to control SARS-CoV-2 transmission after relaxation of public health interventions reported to have to be of longer duration than relaxation period unless R_t maintained below 1.5 during relaxation period and could be lowered to < 0.5 during subsequent intervention (Lancet 2020 Apr 8 early online)

[View in topic](#)

15 APR 2020

multicomponent public health interventions reported to mitigate transmission of COVID-19 in Wuhan, China (JAMA 2020 Apr 10 early online)

[View in topic](#)

15 APR 2020

FDA issues Emergency Use Authorization permitting emergency usage of Advanced Sterilization Products (ASP) STERRAD sterilization systems for use in decontamination of compatible N95 or N95-equivalent respirators in hospital setting, enabling reuse by clinicians (FDA emergency use authorization 2020 Apr 11)

[View in topic](#)

15 APR 2020

convalescent plasma transfusion reported to resolve SARS-CoV-2 infection in critically ill patients (Chest 2020 Mar 31 early online)

[View in topic](#)

15 APR 2020

remdesivir reported to have clinical improvement rate of 68% in adults hospitalized with severe COVID-19 (N Engl J Med 2020 Apr 10 early online)

[View in topic](#)

15 APR 2020

olfactory and gustatory dysfunction reported in most adults with mild-to-moderate COVID-19 infection in Europe who were assessed for these symptoms (Eur Arch Otorhinolaryngol 2020 Apr 6 early online)

[View in topic](#)

15 APR 2020

neurologic manifestations present in about one-third of patients with COVID-19 (JAMA Neurol 2020 Apr 10 early online)

[View in topic](#)

14 APR 2020

FDA issues Emergency Use Authorization permitting emergency usage of STERIS Sterilization Systems for use in decontamination of compatible N95 or N95-equivalent respirators in hospital setting, enabling reuse by clinicians (FDA press release 2020 Apr 10)

[View in topic](#)

13 APR 2020

wide spectrum of clinical features reported in children and adolescents with confirmed SARS-CoV2 infection in United States (MMWR Morb Mortal Wkly Rep 2020 Apr 10)

[View in topic](#)

Public Health England

[Guidance on coronavirus \(COVID-19\) tests and testing kits](#)

Initial specifications for tests and testing kits and advice for members of the public.

[Specification for ventilators to be used in UK hospitals during the coronavirus \(COVID-19\) outbreak](#)

This guidance sets out the clinical requirements based on the consensus of what is 'minimally acceptable' performance in the opinion of the anaesthesia and intensive care medicine professionals and medical device regulator

[Coronavirus \(COVID-19\): personal protective equipment \(PPE\) plan](#)

Cross-government UK-wide plan to ensure that critical personal protective equipment (PPE) is delivered to those on the frontline responding to coronavirus (COVID-19).

[COVID-19: guidance for commissioners and providers of services for people who use drugs or alcohol](#)

COVID-19 guidance for commissioners and service providers for those dependent on drugs or alcohol

[Coronavirus \(COVID-19\): adult social care action plan](#)

How the government will support the adult social care sector in England throughout the coronavirus outbreak.

World Health Organisation – Rolling Updates

Expert group forms to collaborate on vaccine development

13 April 2020

Coordinated by WHO, scientists, physicians, funders and manufacturers have come together to help speed up the availability of a vaccine against COVID-19.

Key materials

[Public statement for collaboration on COVID-19 vaccine development](#)

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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