

2020-03-04 Novel Coronavirus_Daily Article List

ARTICLES PUBLIES OU IN PRESS (29)

Epidemiologic Features and Clinical Course of Patients Infected With SARS-CoV-2 in Singapore

Question What was the initial experience in Singapore with the outbreak of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)?

jamanetwork.com (e-date: 04/03/2020)

[Lien original](#)

Response to COVID-19 in Taiwan: Big Data Analytics, New Technology, and Proactive Testing | JAMA | JAMA Network

Taiwan is 81 miles off the coast of mainland China and was expected to have the second highest number of cases of coronavirus disease 2019 (COVID-19) due to its proximity to and number of flights between China.¹ The country has 23 million citizens of which 850 000 reside in and 404 000 work in China.^{2,3} In 2019, 2.71 million

jamanetwork.com (e-date: 04/03/2020)

[Lien original](#)

Priorities for the US Health Community Responding to COVID-19 | JAMA | JAMA Network

In late December 2019, a cluster of unexplained cases of viral pneumonia occurred in Wuhan, China.¹ This initial cluster of patients with what soon became known as coronavirus disease 2019 (COVID-19) heralded the arrival of a new pandemic caused by a novel coronavirus, severe acute respiratory syndrome

jamanetwork.com (e-date: 04/03/2020)

[Lien original](#)

Mitigate the effects of home confinement on children during the COVID-19 outbreak

www.thelancet.com (e-date: 03/03/2020)

[Lien original](#)

Community Transmission of Severe Acute Respiratory Syndrome Coronavirus 2, Shenzhen, China, 2020

Since early January 2020, after the outbreak of 2019 novel coronavirus infection in Wuhan, China, ≈365 confirmed cases have been reported in Shenzhen, China. The mode of community and intrafamily transmission is threatening residents in Shenzhen. Strategies to strengthen prevention and interruption of these transmissions should be urgently addressed.

wwwnc.cdc.gov (e-date: 03/03/2020)

[Lien original](#)

COVID-19: a novel coronavirus and a novel challenge for critical care

(e-date: 04/03/2020)

Arabi YM, Murthy S, Webb S.

[Lien original](#)

Hospital Emergency Management Plan During the COVID-19 Epidemic

(e-date: 04/03/2020)

Cao Y, Li Q, Chen J, Guo X, Miao C, Yang H, et al.

[Lien original](#)

Anti-Chinese sentiment during the 2019-nCoV outbreak

(e-date: 04/03/2020)

Chung RY-N, Li MM.

[Lien original](#)

The species Severe acute respiratory syndrome-related coronavirus: classifying 2019-nCoV and naming it SARS-CoV-2

(e-date: 04/03/2020)

Coronaviridae Study Group of the International Committee on Taxonomy of V.

[Lien original](#)

The pandemic of social media panic travels faster than the COVID-19 outbreak

(e-date: 04/03/2020)

Depoux A, Martin S, Karafillakis E, Bsd RP, Wilder-Smith A, Larson H.

[Lien original](#)

Analyzing the Epidemiological Outbreak of COVID-19: A Visual Exploratory Data Analysis (EDA) Approach

(e-date: 04/03/2020)

Dey SK, Rahman MM, Siddiqi UR, Howlader A.

[Lien original](#)

Understanding SARS-CoV-2-Mediated Inflammatory Responses: From Mechanisms to Potential Therapeutic Tools

(e-date: 04/03/2020)

Fu Y, Cheng Y, Wu Y.

[Lien original](#)

Stepping up infection control measures in ophthalmology during the novel coronavirus outbreak: an experience from Hong Kong

(e-date: 04/03/2020)

Lai THT, Tang EWH, Chau SKY, Fung KSC, Li KKW

[Lien original](#)

Helping the Radiologist: The Role of Scientific Journals to Help Prevent the Spread of COVID-19

(e-date: 04/03/2020)

Li X, Qian Y, Liu B, Yu Y.

[Lien original](#)

Solidarity with China as it holds the global front line during COVID-19 outbreak

(e-date: 04/03/2020)

Lin L.

[Lien original](#)

Identification of COVID-19 Can be Quicker through Artificial Intelligence framework using a Mobile Phone-Based Survey in the Populations when Cities/Towns Are Under Quarantine

(e-date: 04/03/2020)

Rao ASRS, Vazquez JA.

[Lien original](#)

COVID-19 in Latin America: The implications of the first confirmed case in Brazil

(e-date: 04/03/2020)

Rodriguez-Morales AJ, Gallego V, Escalera-Antezana JP, Mendez CA, Zambrano LI, Franco-Paredes C, et al.

[Lien original](#)

Clinical predictors of mortality due to COVID-19 based on an analysis of data of 150 patients from Wuhan, China

(e-date: 04/03/2020)

Ruan Q, Yang K, Wang W, Jiang L, Song J.

[Lien original](#)

Novel coronavirus (2019-nCoV): Update on 3rd Coronavirus Outbreak of 21st Century

(e-date: 04/03/2020)

Sahu KK, Mishra AK, Lal A.

[Lien original](#)

COVID-19, Australia: Epidemiology Report 5 (Reporting week ending 19:00 AEDT 29 February 2020)

(e-date: 04/03/2020)

Team C-NIRS

[Lien original](#)

Critical care crisis and some recommendations during the COVID-19 epidemic in China

(e-date: 04/03/2020)

Xie J, Tong Z, Guan X, Du B, Qiu H, Slutsky AS.

[Lien original](#)

Broad Spectrum Antiviral Agent Niclosamide and Its Therapeutic Potential

(e-date: 04/03/2020)

Xu J, Shi P-Y, Li H, Zhou J.

[Lien original](#)

Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target

(e-date: 04/03/2020)

Zhang H, Penninger JM, Li Y, Zhong N, Slutsky AS.

[Lien original](#)

Fecal specimen diagnosis 2019 Novel Coronavirus-Infected Pneumonia

(e-date: 04/03/2020)

Zhang J, Wang S, Xue Y.

[Lien original](#)

The novel coronavirus (SARS-CoV-2) infections in China: prevention, control and challenges. Intensive care medicine

(e-date: 04/03/2020)

Zhang S, Diao MY, Duan L, Lin Z, Chen D.

[Lien original](#)

Clinical trials for the treatment of Coronavirus disease 2019 (COVID-19): A rapid response to urgent need

(e-date: 04/03/2020)

Zhang T, He Y, Xu W, Ma A, Yang Y, Xu K-F.

[Lien original](#)

Imaging changes of severe COVID-19 pneumonia in advanced stage

(e-date: 04/03/2020)

Zhang W.

[Lien original](#)

Imaging changes in severe COVID-19 pneumonia

(e-date: 04/03/2020)

Zhang W.

[Lien original](#)

Relation Between Chest CT Findings and Clinical Conditions of Coronavirus Disease (COVID-19) Pneumonia: A Multicenter Study

(e-date: 04/03/2020)

Zhao W, Zhong Z, Xie X, Yu Q, Liu J.

[Lien original](#)

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PREPRINTS (14)

Clinical Characteristics of Patients with Severe Pneumonia Caused by the 2019 Novel Coronavirus in Wuhan, China

Clinical Characteristics of Patients with Severe Pneumonia Caused by the 2019 Novel Coronavirus in Wuhan, China

Abstract Background: A new virus broke out in Wuhan, Hubei, China, and was later named 2019 novel coronavirus (2019-nCoV). The clinical characteristics of severe pneumonia caused by 2019-nCoV are still not clear. Objectives: The aim of this study was to

www.medrxiv.org (e-date: 04/03/2020)

[Lien original](#)

Epidemiological and clinical features of 2019-nCoV acute respiratory disease cases in Chongqing municipality, China: a retrospective, descriptive, multiple-center study

Epidemiological and clinical features of 2019-nCoV acute respiratory disease cases in Chongqing municipality, China: a retrospective, descriptive, multiple-center study

Background : In January 19, 2020, first case of 2019 novel coronavirus (2019-nCoV) pneumonia (COVID-19) was confirmed in Chongqing municipality, China. Methods : In this retrospective, descriptive, multiple-center study, total of 267 patients with COVID-19 confirmed by real

www.medrxiv.org (e-date: 04/03/2020)

[Lien original](#)

The Impact of the COVID-19 Outbreak on the Medical Treatment of Chinese Children with Chronic Kidney Disease (CKD) : A Multicenter Cross-section Study in the Context of a Public Health Emergency of International Concern

The Impact of the COVID-19 Outbreak on the Medical Treatment of Chinese Children with Chronic Kidney Disease (CKD) : A Multicenter Cross-section Study in the Context of a Public Health Emergency of International Concern

Objective: To investigate the impact of the COVID-19 outbreak on the medical

advice seeking of Chinese children with chronic kidney disease (CKD).
Materials and Methods: An anonymous online questionnaire survey was conducted in 17 pediatric nephropathy
www.medrxiv.org (e-date: 04/03/2020)
[Lien original](#)

Analysis of epidemiological characteristics of coronavirus 2019 infection and preventive measures in Shenzhen China: a heavy population city

Analysis of epidemiological characteristics of coronavirus 2019 infection and preventive measures in Shenzhen China: a heavy population city
Coronavirus 2019 infection (COVID-19) outbreak in Wuhan, Hubei and spread to all provinces in China and other countries. Shenzhen ranked the top cities outside Wuhan with reported 416 confirmed cases by February
www.medrxiv.org (e-date: 04/03/2020)
[Lien original](#)

Prediction of criticality in patients with severe Covid-19 infection using three clinical features: a machine learning-based prognostic model with clinical data in Wuhan

Prediction of criticality in patients with severe Covid-19 infection using three clinical features: a machine learning-based prognostic model with clinical data in Wuhan
Background: COVID-19 appeared in Wuhan, China in December 2019, and since then it has immediately become a serious public health problem worldwide. No specific medicine against COVID-19 has been found until now. However,
www.medrxiv.org (e-date: 04/03/2020)
[Lien original](#)

COVID-19 Epidemic Outside China: 34 Founders and Exponential Growth

COVID-19 Epidemic Outside China: 34 Founders and Exponential Growth
Background: In December 2019, pneumonia infected with a novel coronavirus burst in Wuhan, China. Now the situation is almost controlled in China but is worse outside China. We aimed to build a mathematical model to capture the global trend of epidemics outside China. Methods
www.medrxiv.org (e-date: 04/03/2020)
[Lien original](#)

Data-Based Analysis, Modelling and Forecasting of the COVID-19 outbreak

Data-Based Analysis, Modelling and Forecasting of the COVID-19 outbreak
Since the first suspected case of coronavirus disease-2019 (COVID-19) on December 1st, 2019, in Wuhan, Hubei Province, China, a total of 40,235 confirmed cases and 909 deaths have been reported in China up to February 10, 2020, evoking fear locally
www.medrxiv.org (e-date: 04/03/2020)
[Lien original](#)

Potential impact of seasonal forcing on a SARS-CoV-2 pandemic

A novel coronavirus (SARS-CoV-2) first detected in Wuhan, China, has spread rapidly since December 2019, causing more than 80,000 confirmed infections and 2,700 fatalities (as of Feb 27, 2020). Imported cases and transmission

www.medrxiv.org (e-date: 04/03/2020)

[Lien original](#)

Lymphopenia predicts disease severity of COVID-19: a descriptive and predictive study

Lymphopenia predicts disease severity of COVID-19: a descriptive and predictive study

Background: Coronavirus disease-2019 (COVID-19) is a rapidly escalating epidemic caused by SARS-CoV-2. Identification of a simple and effective indicator to assess disease severity and outcome is urgently needed.

Methods: This

www.medrxiv.org (e-date: 04/03/2020)

[Lien original](#)

Fractal kinetics of COVID-19 pandemic

Fractal kinetics of COVID-19 pandemic

we see three stages of the spread of the disease in terms of number of deaths: exponential growth, power-law behavior, and then exponential decline in the daily rate. (Original abstract) The novel coronavirus (COVID-19) continues to grow rapidly in China and is spreading in other parts of the world. The classic epidemiological approach in studying this growth is to quantify a reproduction number and infection

www.medrxiv.org (e-date: 04/03/2020)

[Lien original](#)

Isolation and characterization of SARS-CoV-2 from the first US COVID-19 patient

Isolation and characterization of SARS-CoV-2 from the first US COVID-19 patient

The etiologic agent of the outbreak of pneumonia in Wuhan China in January-2020, was identified as severe acute respiratory syndrome associated coronavirus 2 (SARS-CoV-2). The first US patient was diagnosed by the State of Washington and the US Centers for Disease

www.biorxiv.org (e-date: 03/03/2020)

[Lien original](#)

Evidence for RNA editing in the transcriptome of 2019 Novel Coronavirus

Evidence for RNA editing in the transcriptome of 2019 Novel Coronavirus

The 2019-nCoV outbreak has become a global health risk. Editing by host deaminases is an innate restriction process to counter viruses, and it is not yet known whether it operates against coronaviruses. Here we analyze

www.biorxiv.org (e-date: 03/03/2020)

[Lien original](#)

Multi-epitope vaccine design using an immunoinformatics approach for 2019 novel coronavirus in China (SARS-CoV-2)

Multi-epitope vaccine design using an immunoinformatics approach for 2019 novel coronavirus in China (SARS-CoV-2)

A new coronavirus SARS-CoV-2, recently discovered in Wuhan, China, has caused over 74000 infection cases and 2000 deaths. Due to the rapidly growing cases and the unavailability of specific therapy, there is a desperate www.biorxiv.org (e-date: 03/03/2020)

[Lien original](#)

Crystal structure of Nsp15 endoribonuclease NendoU from SARS-CoV-2

Severe Acute Respiratory Syndrome Coronavirus 2 is rapidly spreading around the world. There is no existing vaccine or proven drug to prevent infections and stop virus proliferation. Although this virus is similar to human and animal SARS- and MERS

www.biorxiv.org (e-date: 03/03/2020)

[Lien original](#)

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ARTICLES EN CHINOIS (résumé en anglais) (8)

[Recommendations for respiratory rehabilitation of COVID-19 in adult]

(e-date: 04/03/2020)

Chinese Association of Rehabilitation, Medicine Respiratory rehabilitation committee of Chinese Association of Rehabilitation, Medicine Cardiopulmonary rehabilitation Group of Chinese Society of Physical, Medicine Rehabilitation,

[Lien original](#)

[Expert recommendations on the management of patients with advanced non-small cell lung cancer during epidemic of COVID-19 (Trial version)]

(e-date: 04/03/2020)

Lung Cancer Study Group CTSCMA, Chinese Respiratory Oncology C.

[Lien original](#)

[Management and clinical thinking of Coronavirus Disease 2019]

(e-date: 04/03/2020)

Ma K, Chen T, Han MF, Guo W, Ning Q.

[Lien original](#)

[Estimating the basic reproduction number of COVID-19 in Wuhan, China]

(e-date: 04/03/2020)

Wang Y, You XY, Wang YJ, Peng LP, Du ZC, Gilmour S, et al.

[Lien original](#)

[Novel coronavirus pneumonia (COVID-19) CT distribution and sign features]

(e-date: 04/03/2020)

Wu J, Feng CL, Xian XY, Qiang J, Zhang J, Mao QX, et al.

[Lien original](#)

[Analysis on the epidemic factors for the Corona Virus Disease]

(e-date: 04/03/2020)

Yang HY, Duan GC.

[Lien original](#)

[Individualized treatment recommendations for lung cancer patients at different stages of treatment during the outbreak of 2019 novel coronavirus disease epidemic]

(e-date: 04/03/2020)

Zhao Z, Bai H, Duan JC, Wang J.

[Lien original](#)

[Epidemic trend of corona virus disease 2019 (COVID-19) in mainland China]

(e-date: 04/03/2020)

Zhu ZB, Zhong CK, Zhang KX, Dong C, Peng H, Xu T, et al.

[Lien original](#)

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DOCUMENTS GOUVERNEMENTAUX (13)

Algorithme décisionnel clinique pour coronavirus COVID-19

msss.gouv.qc.ca (e-date: 04/03/2020)

[Lien original](#)

CDC Announces Additional COVID-19 Infections

At noon on Tuesday, March 3 the Centers for Disease Control and Prevention (CDC) reported 60 cases of COVID-19 from 12 states. Twenty-two of these cases are travel-related; 11 are believed to be person-to-person spread; and for the remaining 27 the source of exposure is still under investigation.

Noteworthy developments

www.cdc.gov (e-date: 04/03/2020)

[Lien original](#)

Interim Guidance for Emergency Medical Services (EMS) Systems and 911 Public Safety Answering Points (PSAPs) for COVID-19 in the United States

This guidance applies to all first responders, including law enforcement, fire services, emergency medical services, and emergency management officials, who anticipate close contact with persons with confirmed or possible COVID-19 in the course of their work.

www.cdc.gov (e-date: 04/03/2020)

[Lien original](#)

PHE COVID-19 Donning quick guide

assets.publishing.service.gov.uk (e-date: 03/03/2020)

[Lien original](#)

PHE COVID-19 Doffing quick guide

assets.publishing.service.gov.uk (e-date: 03/03/2020)

[Lien original](#)

Putting on (donning) personal protective equipment (PPE)

assets.publishing.service.gov.uk (e-date: 03/03/2020)

[Lien original](#)

Les coronavirus

Les coronavirus Carte d'identité et rôle de l'Anses

www.anses.fr (e-date: 03/03/2020)

[Lien original](#)

Transcript for the CDC Telebriefing Update on COVID-19

www.cdc.gov (e-date: 03/03/2020)

[Lien original](#)

Frequently Asked Questions about Biosafety and COVID-19

www.cdc.gov (e-date: 03/03/2020)

[Lien original](#)

Interim Guidelines for Collecting, Handling, and Testing Clinical Specimens from Persons Under Investigation (PUIs) for 2019 Novel Coronavirus (2019-nCoV) [mis à jour le 1er mars]

www.cdc.gov (e-date: 03/03/2020)

[Lien original](#)

COVID-19: infection prevention and control [Mis à jour le 03/03/2020]

www.gov.uk (e-date: 03/03/2020)

[Lien original](#)

COVID-19: removal of (doffing) personal protective equipment (PPE)

assets.publishing.service.gov.uk (e-date: 04/03/2020)

[Lien original](#)

COVID-19: background information [Mis à jour le 03/03/2020]

www.gov.uk (e-date: 04/03/2020)

[Lien original](#)

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DOCUMENTS DE PREVENTION (1)

Public information campaign focuses on handwashing

Washing hands for 20 seconds is central to the expanded public awareness campaign to prevent and slow the spread of coronavirus (COVID-19).

The UK is a world-leader in preparing for and managing disease outbreaks and I have every confidence in our nation's ability to respond to the threat of COVID-19.

www.gov.uk (e-date: 04/03/2020)

[Lien original](#)

[Sommaire](#)

NEWS (9)

Tom Jefferson: Covid 19—many questions, no clear answers

Because of my background as an epidemiologist and Cochrane researcher, and my involvement in the H1N1 outbreak, I often get stopped in the street, or in a bar, or the gym, and asked about covid-19. The questions are usually: how long does it take for the symptoms to manifest? How can I avoid it? Is it

serious? These are just a few examples, and they are no different to what people would ask, say

Perhaps the death rate, the ratio of confirmed cases to deaths, could explain the furore? It seems to be anything between 0.18% to 4.9% (depending on where you look), on average below that of other coronavirus outbreaks. And deaths seem to be concentrated in older age groups and in people with pre-existing morbidities.

blogs.bmj.com (e-date: 03/03/2020)

[Lien original](#)

Covid-19: retired doctors could be asked to return to work, says Hancock | The BMJ

www.bmj.com (e-date: 03/03/2020)

[Lien original](#)

Covid-19: US health department staff sent to meet citizens returning from China weren't protected, claims whistleblower

www.bmj.com (e-date: 03/03/2020)

[Lien original](#)

Best practices for infection prevention and control, with a spotlight on COVID-19: countries share experiences

part in a 2-day meeting in Copenhagen, the second best practices meeting on the implementation of the core components of IPC programmes. The second day was dedicated to IPC in the context of the coronavirus disease (COVID-19) outbreak. The purpose of the meeting was to reassess the level of implementation of the 8 core components of IPC and share country and subregional experiences.

www.euro.who.int (e-date: 03/03/2020)

[Lien original](#)

€5 million to help fight coronavirus in Iran: E3 statement, March 2020

France, Germany and the United Kingdom express their full solidarity with all impacted by COVID-19 in Iran. We are offering Iran a comprehensive package of both material and financial support to combat the rapid spread of the disease.

www.gov.uk (e-date: 03/03/2020)

[Lien original](#)

Coronavirus action plan launched

The action plan provides information on the government's plans to contain the spread of coronavirus and what action could be taken if the virus does spread.

www.gov.uk (e-date: 03/03/2020)

[Lien original](#)

Covid-19: a digital epidemic

(e-date: 04/03/2020)

Chiolero A.

[Lien original](#)

Fauci: Vaccine at least year away, as COVID-19 death toll rises to 9 in Seattle

Today US public health leaders addressed a Senate committee hearing and clarified the country's response to the growing COVID-19 outbreak that is now seeded in multiple communities.

www.cidrap.umn.edu (e-date: 04/03/2020)

[Lien original](#)

WHO warns of COVID-19-related protective equipment shortage

The World Health Organization's (WHO's) director-general today warned that shortages of personal protective equipment (PPE) such as gowns and masks could leave frontline health workers unprotected from the COVID-19 virus, which comes as the epicenter shifts from China to three nations on three different continents.

www.cidrap.umn.edu (e-date: 04/03/2020)

[Lien original](#)

[Sommaire](#)