

2020-03-06 Novel Coronavirus_Daily Article List

ARTICLES PUBLIES OU IN PRESS

Epidemiologic Features and Clinical Course of Patients Infected With SARS-CoV-2 in Singapore | Global Health | JAMA | JAMA Network

Importance : Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) emerged in Wuhan, China, in December 2019 and has spread globally with sustained human-to-human transmission outside China. Objective : To report the initial experience in Singapore with the epidemiologic investigation of this outbreak, clinical features, and management.

jamanetwork.com (e-date: 06/03/2020)

Young BE, Ong SWX, Kalimuddin S, Low JG, Tan SY, Loh J, et al.

[Lien original](#)

Breastfeeding and Respiratory Antivirals: Coronavirus and Influenza | Breastfeeding Medicine

With the ongoing concern about COVID-19, the coronavirus, that originated in Wuhan, China, and spreading worldwide, that causes severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), thoughts turn to treatment in general and of nursing mothers, in particular. The short answer is that currently there is no antiviral proven to be effective against this new infection.

pubmed.gov (e-date: 06/03/2020)

Anderson PO

[Lien original](#)

Déjà Vu or Jamais Vu? How the Severe Acute Respiratory Syndrome Experience Influenced a Singapore Radiology Department's Response to the Coronavirus Disease (COVID-19) Epidemic | AJR Am J Roentgenol.

This article shares the ground operational perspective of how a tertiary hospital radiology department in Singapore is responding to the coronavirus disease (COVID-19) epidemic. This same department was also deeply impacted by the severe acute respiratory syndrome (SARS) outbreak in 2003.

pubmed.gov (e-date: 06/03/2020)

Cheng LT-E, Chan LP, Tan BH, Chen RC, Tay KH, Ling ML, et al.

[Lien original](#)

From the frontlines of COVID-19 – How prepared are we as obstetricians: a commentary | BJOG

The World Health Organization (WHO) has declared the outbreak of novel coronavirus (2019-nCoV) – now known as Coronavirus Disease (COVID-19)¹ - as a global health emergency. Singapore currently stands as the country with the highest number of reported cases of COVID-19 outside of China, excluding patients on a cruise ship offshore of Japan.

pubmed.gov (e-date: 06/03/2020)

Chua MSQ, Lee JCS, Sulaiman S, Tan HK.

[Lien original](#)

CT Imaging and Differential Diagnosis of COVID-19 | Can Assoc Radiol J

Since the beginning of 2020, coronavirus disease 2019 (COVID-19) has spread throughout China. This study explains the findings from lung computed tomography images of some patients with COVID-19 treated in this medical institution and discusses the difference between COVID-19 and other lung diseases.

pubmed.gov (e-date: 06/03/2020)

Dai W-C, Zhang H-W, Yu J, Xu H-J, Chen H, Luo S-P, et al.

[Lien original](#)

Uncertainties about the transmission routes of 2019 novel coronavirus | Influenza Other Respir Viruses.

The 2019 novel coronavirus (now named as SARS-CoV-2) caused an outbreak of SARS-like illness in the late of December 2019. At present, the origin, susceptible population, and infection sources already have been clear. However, the transmission routes, a key step to the epidemic control, have not yet been fully ascertained. Here, we focus on the potential transmission routes that have been investigated in the SARS-CoV-2 epidemic recently.

pubmed.gov (e-date: 06/03/2020)

Han Q, Lin Q, Ni Z, You L.

[Lien original](#)

Coronavirus Disease 2019 (COVID-19): Role of Chest CT in Diagnosis and Management | AJR Am J Roentgenol.

The objective of our study was to determine the misdiagnosis rate of radiologists for coronavirus disease 2019 (COVID-19) and evaluate the performance of chest CT in the diagnosis and management of COVID-19. The CT features of COVID-19 are reported and compared with the CT features of other viruses to familiarize radiologists with possible CT patterns.

pubmed.gov (e-date: 06/03/2020)

Li Y, Xia L.

[Lien original](#)

Community Transmission of Severe Acute Respiratory Syndrome Coronavirus 2, Shenzhen, China, 2020 | Emerg Infect Dis.

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

pubmed.gov (e-date: 06/03/2020)

Liu J, Liao X, Qian S, Yuan J, Wang F, Liu Y, et al.

[Lien original](#)

COVID-19: What Can We Learn From Stories From the Trenches? | Can Assoc Radiol J.

The world is facing an outbreak of the novel coronavirus disease (COVID-19). It was declared by the World Health Organization a Public Health Emergency of International Concern on January 30, 2020.¹ Some aspects of the current COVID-19 outbreak can appear similar to influenza pandemic, while other characteristics may be quite different. For example, influenza pandemic response usually relies on the immediate treatment with antivirals and eventual availability of a vaccine.

pubmed.gov (e-date: 06/03/2020)

Patlas MN

[Lien original](#)

Genomic diversity of SARS-CoV-2 in Coronavirus Disease 2019 patients.

Clinical infectious diseases

Background : A novel coronavirus (SARS-CoV-2) has infected more than 75,000 individuals and spread to over 20 countries. It is still unclear how fast the virus evolved and how the virus interacts with other microorganisms in the lung. Methods : We have conducted metatranscriptome sequencing for the bronchoalveolar lavage fluid of eight SARS-CoV-2 patients, 25 community-acquired pneumonia (CAP) patients, and 20 healthy controls.

[pubmed.gov](#) (e-date: 06/03/2020)

Shen Z, Xiao Y, Kang L, Ma W, Shi L, Zhang L, et al.

[Lien original](#)

2019 novel coronavirus is undergoing active recombination | Clinical infectious diseases

[pubmed.gov](#) (e-date: 06/03/2020)

Yi H.

[Lien original](#)

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

Importance : Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) emerged in Wuhan, China, in December 2019 and has spread globally with sustained human-to-human transmission outside China. Objective : To report the initial experience in Singapore with the epidemiologic investigation of this outbreak, clinical features, and management.

[pubmed.gov](#) (e-date: 06/03/2020)

Young BE, Ong SWX, Kalimuddin S, Low JG, Tan SY, Loh J, et al.

[Lien original](#)

Public's early response to the novel coronavirus-infected pneumonia | Emerg Microbes Infect.

To the editor: Originated from Wuhan city in central China and widely spread due to the mass migration for Lunar new year holiday, 17,000+ confirmed novel coronavirus (2019-nCoV)-infected pneumonia (NCIP) cases with 350+ deaths have been identified in the country since December 2019. Another 100+ exported cases have been confirmed in other countries worldwide. During 10:30am to 10:30pm, January 29th, 2020, we initiated an online survey on people's knowledge on NCIP by snowball sampling via Wechat invitation. 3083 invitees of 18–59 years old (2/3 females and 4/5 with bachelor's degree or higher) from all provinces in mainland China were enrolled, three quarters of which were from the six most developed provinces in China (Zhejiang, Guangdong, Shandong, Beijing, Shanghai, Jiangsu).

[pubmed.gov](#) (e-date: 06/03/2020)

Zhan S, Yang YY, Fu C.

[Lien original](#)

Outbreak investigation for COVID-19 in northern Vietnam | The Lancet Infectious Diseases

Outbreak investigation for COVID-19 in northern Vietnam

Two Vietnamese adults returned to their home province of Vinh Phuc in northern Vietnam on Jan 17, 2020, from Wuhan, China, where they had been living since Nov 15, 2019, for a business trip. They presented with mild respiratory symptoms to their local health facilities at 4 days and 8 days, respectively, after arrival

[www.thelancet.com](#) (e-date: 05/03/2020)

[Lien original](#)

Covert COVID-19 and false-positive dengue serology in Singapore | The Lancet Infectious Diseases

Covert COVID-19 and false-positive dengue serology in Singapore
Dengue and coronavirus disease 2019 (COVID-19) are difficult to distinguish because they have shared clinical and laboratory features.

www.thelancet.com (e-date: 05/03/2020)

Yan G, Lee CK, Lam LTM, Yan B, Chua YX, Lim AYN, et al.

[Lien original](#)

SARS-CoV-2 is an appropriate name for the new coronavirus | The Lancet Correspondence

www.thelancet.com (e-date: 05/03/2020)

[Lien original](#)

The coronavirus 2019-nCoV epidemic: Is hindsight 20/20? | EClinicalMedicine

The coronavirus 2019-nCoV epidemic: Is hindsight 20/20?

The newly identified coronavirus, COVID-19, was first reported in Wuhan, China on December 31, 2019. In one month, reported cases outnumber those from the Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) epidemic [

www.thelancet.com (e-date: 05/03/2020)

Malta M, Rimoin AW, Strathdee SA

[Lien original](#)

DOCUMENTS GOUVERNEMENTAUX

Coronavirus COVID-19 : Consignes à suivre pour l'isolement à la maison - Personne sous investigation

Consignes à suivre pour l'isolement à la maison d'une personne sous investigation pour le coronavirus COVID-19.

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

[Lien original](#)

COVID-19: background information - GOV.UK

COVID-19: background information

Information on COVID-19 including epidemiology, virology and clinical features.

www.gov.uk (e-date: 05/03/2020)

[Lien original](#)

COVID-19: investigation and initial clinical management of possible cases - GOV.UK

COVID-19: investigation and initial clinical management of possible cases

Information on case definitions, and the initial assessment and investigation of possible cases of COVID-19 infection.

www.gov.uk (e-date: 05/03/2020)

[Lien original](#)

PREPRINTS

Rapid metagenomic characterization of a case of imported COVID-19 in Cambodia

Rapid production and publication of pathogen genome sequences during emerging disease outbreaks provide crucial public health information. In resource-limited settings, especially near an outbreak epicenter, conventional deep sequencing or bioinformatics are often challenging. Here we successfully used metagenomic next generation sequencing on an iSeq100 Illumina platform paired with an open-source bioinformatics pipeline to quickly characterize Cambodia's first case of COVID-2019.

www.biorxiv.org (e-date: 06/03/2020)

Jessica E Manning, Jennifer A Bohl, Sreyngim Lay, Sophana Chea, Sovann Ly, Yi Sengdoeurn, Seng Heng, Chan Vuthy, Katarina Kalantar, Vida Ahyong, Michelle Tan, Jonathan Sheu, Christina M Tato, Joseph DeRisi, Laurence Baril, Philippe Dussart, Veasna Duong, Erik A Karlsson

[Lien original](#)

A novel bat coronavirus reveals natural insertions at the S1/S2 cleavage site of the Spike protein and a possible recombinant origin of HCoV-19

A novel bat coronavirus reveals natural insertions at the S1/S2 cleavage site of the Spike protein and a possible recombinant origin of HCoV-19

The unprecedented epidemic of pneumonia caused by a novel coronavirus, HCoV-19, in China and beyond has caused public health concern at a global scale. Although bats are regarded as the most likely natural hosts for HCoV-19, the origins of the virus remain unclear. Here

www.biorxiv.org (e-date: 06/03/2020)

[Lien original](#)

Gender differences in patients with COVID-19: Focus on severity and mortality

Gender differences in patients with COVID-19: Focus on severity and mortality

Importance: The recent outbreak of Novel Coronavirus (SARS-CoV-2) Disease (COVID-19) has put the world on alert, that is reminiscent of the SARS outbreak seventeen years ago.

Objective: We aim to compare the severity and mortality between male and female patients

www.medrxiv.org (e-date: 06/03/2020)

[Lien original](#)

Genomic variations of SARS-CoV-2 suggest multiple outbreak sources of transmission

Genomic variations of SARS-CoV-2 suggest multiple outbreak sources of transmission

We examined 169 genomes of SARS-CoV-2 and found that they can be classified into two major genotypes, Type I and Type II. Type I can be further divided into Type IA and IB. Our phylogenetic analysis showed that the Type IA resembles the

www.medrxiv.org (e-date: 06/03/2020)

[Lien original](#)

Clinical characteristics of 36 non-survivors with COVID-19 in Wuhan, China

Clinical characteristics of 36 non-survivors with COVID-19 in Wuhan, China

Background Although the outbreak of Coronavirus disease 2019 (COVID-19) has caused over 2200 deaths in China, there was no study about death yet. We aimed to describe the clinical characteristics of non-survivors with COVID-19. Methods For this retrospective

www.medrxiv.org (e-date: 06/03/2020)

[Lien original](#)

[Viral Architecture of SARS-CoV-2 with Post-Fusion Spike Revealed by Cryo-EM](#)

Viral Architecture of SARS-CoV-2 with Post-Fusion Spike Revealed by Cryo-EM
Since December 2019, the outbreak of Coronavirus Disease 2019 (COVID-19) spread from Wuhan, China to the world, it has caused more than 87,000 diagnosed cases and more than 3,000 deaths globally. To fight against COVID-19, we carried out research for www.biorxiv.org (e-date: 05/03/2020)

[Lien original](#)

[Machine learning-based CT radiomics model for predicting hospital stay in patients with pneumonia associated with SARS-CoV-2 infection: A multicenter study](#)

Machine learning-based CT radiomics model for predicting hospital stay in patients with pneumonia associated with SARS-CoV-2 infection: A multicenter study
Abstract Objectives To develop and test machine learning-based CT radiomics models for predicting hospital stay in patients with pneumonia associated with SARS-CoV-2 infection. Design Cross-sectional Setting Multicenter Participants A total of 52 patients with laboratory-confirmed SARS-CoV-2 infection and their initial CT images were enrolled from 5 designated hospitals

www.medrxiv.org (e-date: 05/03/2020)

[Lien original](#)

[Monitoring Disease Transmissibility of 2019 Novel Coronavirus Disease in Zhejiang, China](#)

Monitoring Disease Transmissibility of 2019 Novel Coronavirus Disease in Zhejiang, China
We monitored the transmissibility of 2019 novel coronavirus disease in Zhejiang accounting the transmissions from imported cases. Even though Zhejiang is one of the worst-affected provinces, an interruption of disease transmission (i.e. instantaneous reproduction

www.medrxiv.org (e-date: 05/03/2020)

[Lien original](#)

ARTICLES EN CHINOIS (résumé en anglais)

[\[Mental health survey of 230 medical staff in a tertiary infectious disease hospital for COVID-19\] | Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi](#)

Objective: To investigate the mental health of clinical first-line medical staff in COVID-19 epidemic and provide theoretical basis for psychological intervention. **Method:** The mental health status of the first-line medical staff was investigated by Self-rating Anxiety Acale (SAS) and Post-Traumatic Stress Disorder Self-rating Scale(PTSD-SS). From February 7 to 14, 2020, 246 medical staff were investigated who participated in the treatment of COVID-19 using cluster sampling , and received 230 responses, with a recovery rate of 93.5%.

pubmed.gov (e-date: 06/03/2020)

Huang JZ, Han MF, Luo TD, Ren AK, Zhou XP.

[Lien original](#)

NEWS & MEDIAS

[Audio Interview: What Clinicians Need to Know in Diagnosing and Treating Covid-19 | N Engl J Med.](#)

In this audio interview conducted on March 3, 2020, the editors discuss the current state of SARS-CoV-2 diagnostic testing in the United States and what clinicians can do for patients who test positive.

pubmed.gov (e-date: 06/03/2020)

Rubin EJ, Baden LR, Morrissey S.

[Lien original](#)

Covid-19: 90% of cases will hit NHS over nine week period, chief medical officer warns | The BMJ

Read our latest coverage of the Coronavirus outbreak

www.bmj.com (e-date: 05/03/2020)

[Lien original](#)

WHO/Europe | WHO/Europe hosts coronavirus briefing for ambassadors

WHO/Europe hosts coronavirus briefing for ambassadors

Cooperation and preparedness were the key messages as ambassadors from Member States across the WHO European Region met in Copenhagen, Denmark, on 2 March 2020 for a briefing on the ongoing COVID-19 outbreak.

www.euro.who.int (e-date: 05/03/2020)

[Lien original](#)