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DOCUMENTS INSTITUTIONNELS

Strategies for the surveillance of COVID-19

The objectives of COVID-19 surveillance at national and EU/EEA level are as follows:

- Monitor the intensity, geographic spread and severity of COVID-19 in the population in order to estimate the burden of disease, assess the direction of recent time trends, and inform appropriate mitigation measures.
- Monitor viral changes to inform drug and vaccine development, and to identify markers of severe infection. (...)

ECDC (e-date: 09/04/2020)

[*Lien original*](#)

Contact tracing: Public health management of persons, including healthcare workers, having had contact with COVID-19 cases in the European Union - second update

This document aims to help EU/EEA public health authorities in the tracing and management of persons, including healthcare workers, who had contact with COVID-19 cases. It should be implemented in combination with non-pharmaceutical measures as appropriate. (...)

ECDC (e-date: 09/04/2020)

[*Lien original*](#)

Guidance for stepdown of infection control precautions and discharging COVID-19 patients

This guidance provides advice on appropriate infection prevention and control (IPC) precautions for patients recovering or recovered from COVID-19 and remaining in hospital, or being discharged to their own home or residential care.

Public Health England (e-date: 09/04/2020)

[Lien original](#)

Assessment tool for laboratories implementing COVID-19 virus testing

This tool has been designed to assess the capacity of laboratories that have implemented or intend to implement testing for SARS-CoV-2, the virus that causes novel coronavirus disease 2019 (COVID-19). The tool is a shortened version of the 2012 Laboratory assessment tool that is widely used to assess national laboratory systems and the capacity of laboratories.

WHO (e-date: 08/04/2020)

[Lien original](#)

Fiche : Gestion des prélèvements biologiques d'un patient suspect ou confirmé de COVID-19. Version 5

Société Française de Microbiologie (SFM) (e-date: 06/04/2020)

[Lien original](#)

Procédure interdisciplinaire prévention et contrôle de l'infection. Prise en charge du patient suspect / atteint de la maladie COVID-19 (SARS-Cov-2) dans le contexte épidémique

Hôpitaux universitaires de Genève (HUG) (e-date: 10/04/2020)

[Lien original](#)

Vue d'ensemble et diagnostic SARS-CoV-2. Version 2.5

Hôpitaux universitaires de Genève (HUG) (e-date: 10/04/2020)

[Lien original](#)

COVID-19: mesures pour les contacts étroits asymptomatiques. Version du 07 avril 2020

Sciensano (Belgique) (e-date: 10/04/2020)

[Lien original](#)

Tuberculosis and COVID-19

As the world comes together to tackle the COVID-19 pandemic, it is important to ensure that essential services and operations for dealing with long-standing health problems continue to protect the lives of people with TB and other diseases or health conditions. Health services, including national programmes to combat TB, need to be actively engaged in ensuring an effective and rapid response to COVID-19 while ensuring that TB services are maintained.

WHO, PAHO (e-date: 04/04/2020)

[Lien original](#)

Consignes à suivre pour la personne atteinte de COVID-19 en isolement à la maison

Ministère de la Santé et des Services sociaux (Québec) (e-date: 07/04/2020)

[Lien original](#)

Protocole de réanimation simplifié de la COVID-19 pour tous les milieux de soins prenant en charge des usagers hors des hôpitaux

Ministère de la Santé et des Services sociaux (Québec) (e-date: 09/04/2020)

[Lien original](#)

Consignes à suivre pour la personne malade en attente d'un test ou du résultat d'un test pour la COVID-19 [Mis à jour le 07/04/2020]

Ministère de la Santé et des Services sociaux (Québec) (e-date: 07/04/2020)

[Lien original](#)

Essais cliniques sur le SARS-CoV-2/COVID-19 actuellement réalisées au Québec

Ministère de la Santé et des Services sociaux (Québec) (e-date: 10/04/2020)

[Lien original](#)

Trousse portant sur l'identification des personnes à risque de vulnérabilité psychosociale

Cette trousse a été élaborée de manière à soutenir les établissements du réseau de la santé et des services sociaux dans le processus de préparation et d'intervention psychosociale en contexte de pandémie, notamment par le repérage des personnes présentant une vulnérabilité au plan psychosocial et devant faire l'objet d'une attention particulière.

Ministère de la Santé et des Services sociaux (Québec) (e-date: 10/04/2020)

[Lien original](#)

Impact of COVID-19 - Theoretical modelling of how the health system can respond

Australian Government (e-date: 10/04/2020)

[Lien original](#)

Coronavirus (COVID-19) Infection in Pregnancy. Version 7

Royal College of Obstetricians and Gynaecologists (RCOG) (e-date: 09/04/2020)

[Lien original](#)

Coronavirus (COVID-19) Infection in Pregnancy. Occupational health advice for employers and pregnant women during the COVID-19 pandemic. Version 2.1

Royal College of Obstetricians and Gynaecologists (RCOG) (e-date: 31/03/2020)

MALADIES-INFECTIEUSES

[Lien original](#)

COVID-19: Working with vulnerable people

Royal College of Psychiatrists (UK) (e-date: 10/04/2020)

[Lien original](#)

Guidance for antenatal and postnatal services in the evolving coronavirus (COVID-19) pandemic. Version 1

Royal College of Obstetricians and Gynaecologists (RCOG) (e-date: 30/03/2020)

[Lien original](#)

Guidance for provision of midwife-led settings and home birth in the evolving coronavirus (COVID-19) pandemic. Version 1

Royal College of Obstetricians and Gynaecologists (RCOG) (e-date: 09/04/2020)

[Lien original](#)

Special coding advice during COVID-19 public health emergency. Version 2

Coding scenarios designed to help healthcare professionals apply best coding practices during the COVID-19 public health emergency

American Medical Association (AMA) (e-date: 10/04/2020)

[Lien original](#)

A national COVID-19 surveillance system : achieving containment

This report describes the features and capabilities of a national surveillance system to mitigate the current COVID-19 pandemic wave and to limit and suppress future outbreaks. Developing these capabilities in each state and region will enable the U.S. to move beyond extreme and disruptive physical isolation measures. The proposed COVID-19 surveillance system builds on existing models and principles of public health surveillance, but recognizes that the transmissibility and virulence of COVID-19 require a much more substantial capacity for rapid detection and public health response.(...)

Duke-Margolis Center for Health Policy (e-date: 10/04/2020)

McClellan M, Gottlieb S, Mostashari F, Rivers C, Silvis L.

[Lien original](#)

Coronavirus pandemic: risk awareness is higher in old age

The impact of a coronavirus infection on health is estimated by 40 percent of participants to be large. For people aged 60 and over, this proportion is 54 percent. This is the result of the "Corona-Monitor", a weekly survey by the German Federal Institute for Risk Assessment (BfR). "Risk awareness is notably higher among people who are more at risk due to their age than among younger age groups", says BfR President Professor Dr. Dr. Andreas Hensel. "In all age groups, the majority of the participants feels well informed about what is happening regarding the novel coronavirus. (...)

German Federal Institute for Risk Assessment (BfR) (e-date: 10/04/2020)

[Lien original](#)

La COVID-19 au Canada : Des données et une modélisation qui éclairent les mesures de santé publique

Le gouvernement du Canada s'appuie sur des données pour tenir les Canadiens au courant de la situation et sur des modèles pour comprendre ce qui pourrait se produire dans le cadre de l'épidémie de COVID-19.

Afin de mieux orienter la planification, nous utilisons des modèles fondés sur divers scénarios; bien que les modèles ne soient pas parfaits, ils constituent des ressources utiles dans la conception des stratégies de lutte contre l'épidémie. (...)

Agence de santé publique du Canada (e-date: 09/04/2020)

[Lien original](#)

COVID-19 : Mesures pour la gestion des cas et des contacts dans les centres d'hébergement et de soins de longue durée pour aînés

Cette fiche présente les mesures à appliquer dans les centres d'hébergement et de soins de longue durée (CHSLD), ainsi que dans les autres milieux similaires (ex : unités de soins de longue durée dans une résidence privée pour aînés (RPA)). Ces mesures s'inscrivent dans la continuité des mesures recommandées dans les milieux de soins aigus (soit les hôpitaux) et se veulent en cohérence avec celles-ci. (...)

INSPQ (e-date: 09/04/2020)

[Lien original](#)

[Sommaire](#)

ARTICLES PUBLIES OU IN PRESS

Centring sexual and reproductive health and justice in the global COVID-19 response

Global responses to the coronavirus disease 2019 (COVID-19) pandemic are converging with pervasive, existing sexual and reproductive health and justice inequities to disproportionately impact the health, wellbeing, and economic stability of women, girls, and vulnerable populations. People whose human rights are least protected are likely to experience unique difficulties from COVID-19.

Women, girls, and marginalised groups are likely to carry a heavier burden of what will be the devastating downstream economic and social consequences of this pandemic. (...)

The Lancet (e-date: 11/04/2020)

Hall KS, Samari G, Garbers S, Casey SE, Diallo DD, Orcutt M, et al

[Lien original](#)

COVID-19 in long-term liver transplant patients: preliminary experience from an Italian transplant centre in Lombardy

Coronavirus disease 2019 (COVID-19) is a public health emergency and a pandemic of international concern.

Italy has witnessed, in the past month, an unexpectedly high rate of infection, with more than 100 000 patients testing positive for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and a case-fatality rate close to 10% (as of March 31, 2020) and therefore faces a worse scenario than in China, where the disease was first reported. (...)

The Lancet Gastroenterology & Hepatology (e-date: 10/04/2020)

Bhoori S, Rossi RE, Citterio D, Mazzaferro V

[Lien original](#)

Delayed access or provision of care in Italy resulting from fear of COVID-19

During Italy's national lockdown for coronavirus disease 2019 (COVID-19), official hospital statistics in the period March 1–27, 2020, show substantial decreases—ranging from 73% to 88%—in paediatric emergency department visits compared with the same time period in 2019 and 2018. Similarly, family paediatricians widely report a considerable reduction in clinic visits, although this is difficult to measure precisely. (...)

The Lancet Child & Adolescent Health (e-date: 10/04/2020)

Lazzerini M, Barbi E, Apicella A, Marchetti F, Cardinale F, Trobia G.

[Lien original](#)

The gendered dimensions of COVID-19

SARS-CoV-2 does not discriminate, but without careful consideration, the global response to the COVID-19 pandemic might. Demographic data from small studies are already informing political decisions and clinical research strategies. Women and men are affected by COVID-19, but biology and gender norms are shaping the disease burden. The success of the global response—the ability of both women and men to survive and recover from the pandemic's effects—will depend on the quality of evidence informing the response and the extent to which data represent sex and gender differences. (...)

The Lancet (e-date: 11/04/2020)

[Lien original](#)

COVID-19 and risks to the supply and quality of tests, drugs, and vaccines

Emergency efforts are underway to find optimum medical products to prevent infection and diagnose and treat patients during the coronavirus disease 2019 (COVID-19) pandemic. Production and supply chains for COVID-19 candidate drugs (such as chloroquine and hydroxychloroquine), and for many other essential medical products, are being impaired by this crisis.

Supply chains for vital drugs for other diseases (such as systemic lupus erythematosus) are being disrupted because they are being repurposed to use against COVID-19, without adequate supporting evidence. (...)

The Lancet Global Health (e-date: 09/04/2020)

Newton PN, Bond KC, Adeyeye M, Antignac M, Ashenef A, Awab GR, et al

[Lien original](#)

Softening the blow of the pandemic: will the International Monetary Fund and World Bank make things worse?

The coronavirus disease 2019 (COVID-19) pandemic is not only stretching health systems to their limits, it is rapidly becoming a threat to the entire global economy, on a scale much greater than the 2007–08 financial crisis. Policymakers from high-income countries have been quick to respond, pledging unprecedented amounts of support to citizens and businesses. The EU announced a “no limits” commitment to protect European economies by purchasing sovereign and corporate debt, while the US congress has agreed a US\$2 trillion stimulus bill. (...)

The Lancet Global Health (e-date: 10/04/2020)

Kentikelenis A, Gabor D, Ortiz I, Stubbs T, McKee M, Stuckler D

[Lien original](#)

Virtual health care in the era of COVID-19

Patients are under lockdown and health workers are at risk of infection. Paul Webster reports on how telemedicine is being embraced like never before.

In the face of a surge in cases of coronavirus disease 2019 (COVID-19), physicians and health systems worldwide are racing to adopt virtualised treatment approaches that obviate the need for physical meetings between patients and health providers. But many doctors are watching warily.

The Lancet (e-date: 10/04/2020)

Webster P

[Lien original](#)

Offline: COVID-19—bewilderment and candour

“This disease is unlike anything I have seen before. If you end up on ICU, you are potentially in real trouble. I have never seen anything like it before.” These words were written by one intensive care physician working at a London teaching hospital. As deaths accumulate, the early message that severe acute respiratory syndrome coronavirus 2 causes mostly a mild illness has been shown to be dangerously false. (...)

The Lancet Global Health (e-date: 10/04/2020)

Kentikelenis A, Gabor D, Ortiz I, Stubbs T, McKee M, Stuckler D

[Lien original](#)

Regulators split on antimalarials for COVID-19

US and French authorities have authorised the use of chloroquine and hydroxychloroquine, but the EU regulator and WHO say the science doesn't support the decision. Susan Jaffe reports.

With no “adequate, approved and available” alternative, the US Food and Drug Administration (FDA) is allowing the use of the antimalarial drugs hydroxychloroquine and chloroquine to treat coronavirus disease 2019 (COVID-19). (...)

The Lancet (e-date: 10/04/2020)

Jaffe S

[Lien original](#)

Palliative care and the COVID-19 pandemic

Palliative care services are under-resourced at the best of times. The 2017 *Lancet* Commission on Palliative Care and Pain Relief described the widespread lack of access to inexpensive and effective interventions as a travesty of justice. And these are

not the best of times. As health systems become strained under COVID-19, providing safe and effective palliative care, including end-of-life care, becomes especially vital and especially difficult. (...)

The Lancet (e-date: 11/04/2020)

[Lien original](#)

Human Adenovirus 7d Strains Associated with Influenza-like Illness, New York, USA, 2017–2019

Human adenovirus 7d is a respiratory pathogen capable of causing acute respiratory disease of variable severity. Phylogenetic analysis of whole-genome sequences of 15 strains isolated from cases of influenza-like-illness during 2017–2019 demonstrated the circulation of 2 distinct clades of genomic variant 7d in colleges in New York, USA.

Emerg Infect Dis. Emerg Infect Dis (e-date: 09/04/2020)

Lamson D, Kajon A, Popowich M, Fuschino M, St. George K

[Lien original](#)

Disease Control, Civil Liberties, and Mass Testing — Calibrating Restrictions during the Covid-19 Pandemic

Urgent responses to the Covid-19 pandemic have halted movement and work and dramatically changed daily routines for much of the world's population. In the United States, many states and localities have ordered or urged residents to stay home when able and to practice physical distancing when not. Meanwhile, unemployment is surging, schools are closed, and businesses have been shuttered. (...)

New England Journal of Medicine (e-date: 09/04/2020)

Studdert DM, Hall MA

[Lien original](#)

Abortion during the Covid-19 Pandemic — Ensuring Access to an Essential Health Service

Each year, nearly 1 million women choose to end a pregnancy in the United States, and about one quarter of American women will use abortion services by 45 years of age. Women's ability to determine whether and when they have a child has profound consequences for their self-determination and for the economic, social, and political equality of women as a group. (...)

New England Journal of Medicine (e-date: 09/04/2020)

Bayefsky MJ, Bartz D, Watson KL

[Lien original](#)

A Shift on the Front Line

have just finished the night shift on the Covid-19 ward. I look at myself in the mirror: I have a C on my nose from the FFP2 (N95) mask I wear all the time, deep marks on my face left by the elastic bands; my eyes look tired, my hair is damp with sweat. I am not a doctor and a woman any longer — now I am just a doctor, a soldier in the war against the virus. (...)

New England Journal of Medicine (e-date: 09/04/2020)

Castelletti S

[Lien original](#)

Trials of anti-tumour necrosis factor therapy for COVID-19 are urgently needed

With more than 81 000 deaths worldwide from coronavirus disease 2019 (COVID-19) by April 8, 2020, it is incumbent on researchers to accelerate clinical trials of any readily available and potentially acceptably safe therapies that could reduce the rising death toll. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) gains access to host cells via angiotensin-converting enzyme 2, which is expressed in the type II surfactant-secreting alveolar cells of the lungs. (...)

The Lancet (e-date: 09/04/2020)

Feldmann M, Maini RN, Woody JN, Holgate ST, Winter G, Rowland M, et al.
Lien original

First-wave COVID-19 transmissibility and severity in China outside Hubei after control measures, and second-wave scenario planning: a modelling impact assessment

As of March 18, 2020, 13 415 confirmed cases and 120 deaths related to coronavirus disease 2019 (COVID-19) in mainland China, outside Hubei province—the epicentre of the outbreak—had been reported. Since late January, massive public health interventions have been implemented nationwide to contain the outbreak. We provide an impact assessment of the transmissibility and severity of COVID-19 during the first wave in mainland Chinese locations outside Hubei. (...)

The Lancet (e-date: 10/04/2020)

Leung K, Wu JT, Liu D, Leung GM

Lien original

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Sommaire

PREPRINTS

Using random testing to manage a safe exit from the COVID-19 lockdown

We argue that random testing (polling the fraction of infected people in the population) is central to managing the COVID-19 pandemic because it both measures the key variable controlled by restrictive measures, and anticipates the load on the healthcare system via the progression of the disease.(...°

arXiv (e-date: 10/04/2020)

Müller M, Derlet PM, Mudry C, Aepli G

[Lien original](#)

Between Geography and Demography: key Interdependencies and Exit Mechanisms for Covid-19

We develop a minimalist compartmental model to analyze policies on mobility restriction in Italy during the Covid-19 outbreak. Our findings show that an early lockdown barely shifts the epidemic in time: moreover, beyond a critical value of the lockdown strength, an epidemic that seems to be quelled fully recovers after lifting the restrictions. (...)

arXiv (e-date: 10/04/2020)

Scala A, Flori A, Spelta A, Brugnoli E, Cinelli M, Quattrocioni W, et al

[Lien original](#)

Efficiency of Covid-19 Containment by Measuring Time Dependent Doubling Time

While different containment measures of the Covid-19 epidemic have been applied recently a quantitative measure of their efficiency is not available. We show here that the time evolution of the pandemic doubling time $T_d(t)$ is a reliable measure of the efficiency of the Lockdown, Case Finding, Mobile Tracing (LFT) policy using modern technologies versus the traditional Lockdown Stop and Go policy.(...)

arXiv (e-date: 10/04/2020)

Bianconi A, Marcelli A, Campi G, Perali A

[Lien original](#)

Modeling Epidemic Spreading through Public Transit using Time-Varying Encounter Network

Passenger contact in public transit (PT) networks can be a key mediate in the spreading of infectious diseases. This paper proposes a time- varying weighted PT encounter network to model the spreading of infectious diseases through the PT systems. Social activity contacts at both local and global levels are also considered.(...)

arXiv (e-date: 10/04/2020)

Mo B, Feng K, Shen Y, Tam C, Li D, Yin Y, et al.

[Lien original](#)

Information Seeking Responses to News of Local COVID-19 Cases: Evidence from Internet Search Data

The novel coronavirus (COVID-19) outbreak is a global pandemic with community circulation in many countries, including the U.S. where every state is reporting confirmed cases. The course of this pandemic will be largely shaped by how governments enact timely policies, disseminate the information, and most importantly, how the public reacts to them. Here, we examine informationseeking responses to the first COVID-19 case public announcement in a state. (...)

arXiv (e-date: 10/04/2020)

Bento AI, Nguyen T, Wing C, Lozano-Rojas F, Ahn Y-Y, Simon K

[Lien original](#)

Comparison of different exit scenarios from the lock-down for COVID-19 epidemic in the UK and assessing uncertainty of the predictions

We model further development of the COVID-19 epidemic in the UK given the current data and assuming different scenarios of handling the epidemic. In this

research, we further extend the stochastic model suggested in \cite{us} and incorporate in it all available to us knowledge about parameters characterising the behaviour of the virus and the illness induced by it.(...)

arXiv (e-date: 10/04/2020)

Zhigljavsky A, Whitaker R, Fesenko I, Kremnizer K, Noonan J

[Lien original](#)

COVID-19: A Survey on Public Medical Imaging Data Resources

This regularly updated survey provides an overview of public resources that offer medical images and metadata of COVID-19 cases. The purpose of this survey is to simplify the access to open COVID-19 image data resources for all scientists currently working on the coronavirus crisis.

arXiv (e-date: 10/04/2020)

Kalkreuth R, Kaufmann P

[Lien original](#)

CovidSens: A Vision on Reliable Social Sensing based Risk Alerting Systems for COVID-19 Spread

With the spiraling pandemic of the Coronavirus Disease 2019 (COVID-19), it has becoming inherently important to disseminate accurate and timely information about the disease. Due to the ubiquity of Internet connectivity and smart devices, social sensing is emerging as a dynamic sensing paradigm to collect real-time observations from online users.(...)

arXiv (e-date: 10/04/2020)

Tahmid Rashid M, Wang D

[Lien original](#)

Mapping county-level mobility pattern changes in the United States in response to COVID-19

To contain the Coronavirus disease (COVID-19) pandemic, one of the non-pharmacological epidemic control measures in response to the COVID-19 outbreak is reducing the transmission rate of SARS-COV-2 in the population through (physical) social distancing. An interactive web-based mapping platform that provides timely quantitative information on how people in different counties and states reacted to the social distancing guidelines was developed with the support of the National Science Foundation (NSF).(...)

arXiv (e-date: 10/04/2020)

Gao S, Rao J, Kang Y, Liang Y, Kruse J.

[Lien original](#)

Scenario analysis of non-pharmaceutical interventions on global COVID-19 transmissions

This paper introduces a dynamic panel SIR (DP-SIR) model to investigate the impact of non-pharmaceutical interventions (NPIs) on the COVID-19 transmission dynamics with panel data from 9 countries across the globe. (...)

arXiv (e-date: 10/04/2020)

Chen X, Qiu Z.

[Lien original](#)

Dynamic causal modelling of COVID-19

This technical report describes a dynamic causal model of the spread of coronavirus through a population. The model is based upon ensemble or population dynamics that generate outcomes, like new cases and deaths over time. The purpose of this model is to quantify the uncertainty that attends predictions of relevant outcomes. By assuming suitable conditional dependencies, one can model the effects of interventions (e.g., social distancing) and differences among populations (e.g., herd immunity) to predict what might happen in different circumstances.(...)

arXiv (e-date: 10/04/2020)

Friston KJ, Parr T, Zeidman P, Razi A, Flandin G, Daunizeau J, et al.
[Lien original](#)

Is the epidemic spread related to GDP? Visualizing the distribution of COVID-19 in Chinese Mainland

In December 2019, COVID-19 were detected in Wuhan City, Hubei Province of China. SARS-CoV-2 rapidly spread to the whole Chinese mainland with the people during the Chinese Spring Festival Travel Rush. As of 19 February 2020, 74576 confirmed cases of COVID-19 had been reported in Chinese Mainland. What kind of cities have more confirmed cases, and is there any relationship between GDP and confirmed cases? (...)

arXiv (e-date: 10/04/2020)

Zhang Y, Tian H, Zhang Y, Chen Y.

[Lien original](#)

Simple Formulas for a Two-Tier Strategy to Flatten the Curve

Some basic facts that enable or constrain efforts to "flatten the curve" by non-pharmaceutical interventions (NPI) are summarized and placed in the current context of the COVID-19 epidemic. Analytical formulas are presented for a simple two-tier NPI strategy that places different social distancing targets for high- and low-risk groups.(...)

arXiv (e-date: 10/04/2020)

Nikolaou M

[Lien original](#)

Measuring Emotions in the COVID-19 Real World Worry Dataset

The COVID-19 pandemic is having a dramatic impact on societies and economies around the world. With various measures of lockdowns and social distancing in place, it becomes important to understand emotional responses on a large scale. In this paper, we present the first ground truth dataset of emotional responses to COVID-19.(...)

arXiv (e-date: 10/04/2020)

Kleinberg B, van der Vegt I, Mozes M

[Lien original](#)

Estimating the impact of preventive quarantine with reverse epidemiology

The impact of mitigation or control measures on an epidemics can be estimated by fitting the parameters of a compartmental model to empirical data, and running the model forward with modified parameters that account for a specific measure. This approach has several drawbacks, stemming from biases or lack of availability of data and instability of parameter estimates. (...)

arXiv (e-date: 10/04/2020)

Grilli J, Marsili M, Sanguinetti G

[Lien original](#)

[Sommaire](#)

AUTRE

Literature review of accepted relevant papers. 09 avril 2020

Inter J Of Infect Dis 3APR2020 A first Case of Meningitis/Encephalitis associated with SARS- Coronavirus-2 Moriguchi, Takeshi et al, Japan <https://doi.org/10.1016/j.ijid.2020.03.062> Clinic Case report : 23-year old male, with seizure accompanied by unconsciousness. The specific SARS-CoV-2 RNA was not detected

reacting.inserm (e-date: 09/04/2020)

[Lien original](#)

