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Retrospective Study

Virus load and virus shedding of severe acute respiratory syndrome coronavirus 2 and their impact on patient outcomes

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Abstract

BACKGROUND

Understanding a virus shedding patterns in body fluids/secretions is important to determine the samples to be used for diagnosis and to formulate infection control

Match Overview

1	Internet 112 words crawled on 08-Apr-2020 www.thelancet.com	3%
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Mar 28, 2020 · A novel coronavirus, severe acute respiratory syndrome coronavirus 2 (**SARS-CoV-2**), has been identified as the pathogen of the coronavirus disease 2019 (COVID-19) []. The outbreak of COVID-19 has spread around the world and has become a public health emergency of international concern []. There have been more than 80 000 infections and 2858 deaths reported as of 28 February ...

Cited by: 140**Author:** Fengting Yu, Liting Yan, Nan Wang, Siy...**Publish Year:** 2020

[New study shows SARS-CoV-2 viral load peaks in the early ...](#)

<https://www.sciencedaily.com/releases/2020/07/200714101257.htm> ▾

Jul 14, 2020 · In a retrospective study, investigators from New York University Langone Health found that the quantity of **SARS-CoV-2 (viral load)** collected from patients in the **emergency** department is...

[Persistent viral shedding of SARS-CoV-2 in faeces – a ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1111/codi.15138>

May 17, 2020 · Despite persistent **shedding of SARS-CoV-2 virus** in faeces there seems to be no correlation with the presence or severity of gastrointestinal symptoms based on the limited data available. Our review adds to this evidence from China and describes the plausibility of faeco-oral transmission.

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[Shedding of infectious virus in hospitalized patients with ...](#)

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In December 2019, a new **coronavirus** emerged in China and caused an **acute respiratory** disease now known as **coronavirus** disease 2019 (**COVID-19**) ().The **virus** was identified to be a betacoronavirus related to **severe acute respiratory syndrome coronavirus** (SARS-CoV) and thus was named SARS-CoV-2 ().In <2 decades, this **virus** is the third known **coronavirus** to cross the species barrier and cause ...

Association of Initial Viral Load in Severe Acute ...

<https://www.sciencedirect.com/science/article/pii/S000294402030328X>

Sep 01, 2020 · The 2019 novel **coronavirus** [severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)] was first documented in December 2019 in Wuhan, China, and has resulted thus far in significant global morbidity and mortality. 1 SARS-CoV-2 is genetically related to SARS-associated **coronavirus** (SARS-CoV), which caused an epidemic in 2002 to 2003. Although not proved, it is believed that the ...

Cited by: 3

Author: Kimon V. Argyropoulos, Antonio Serrano, Ji...

Publish Year: 2020

Severe Acute Respiratory Syndrome Coronavirus 2 Infection ...

<https://www.ahajournals.org/doi/10.1161/STROKEAHA.120.030153>

Coronavirus disease 2019 (**COVID-19**) is an infectious **respiratory** disease caused the novel **coronavirus**, SARS-CoV-2. There is limited data on the co-occurrence of stroke and **COVID-19 infection**. Our article highlights **acute** management, prevention, and recovery in patients with **COVID-19** and stroke.

Cited by: 24

Author: Eduard Valdes Valderrama, Kelley Humbert...

Publish Year: 2020

Severe acute respiratory syndrome-coronavirus-2 spike (S ...

<https://onlinelibrary.wiley.com/doi/10.1002/rmv.2183>

Oct 16, 2020 · **Coronavirus** disease 2019 (**Covid-19**) is caused by **severe acute respiratory syndrome-coronavirus-2** (SARS-CoV-2) which is responsible for a global pandemic that started in late 2019 in Wuhan, China. To prevent the worldwide spread of this highly pathogenic **virus**, development of an effective and safe vaccine is urgently needed.

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SARS-CoV-2 detection, viral load and infectivity over the ...

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Sep 01, 2020 · The evidence from **upper respiratory tract** samples suggests that the **viral load of SARS-CoV-2** peaks around symptom onset or a few days thereafter, and becomes undetectable about **two** weeks after **symptom onset**; however, **viral loads** from **sputum samples** may be higher, peak later and persist for longer.

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Author: Kieran A. Walsh, Karen Jordan, Barbara ...

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New study shows SARS-CoV-2 viral load peaks in the early ...

<https://www.sciencedaily.com/releases/2020/07/200714101257.htm> ▼

Jul 14, 2020 · In a retrospective study, investigators from New York University Langone Health found that the quantity of **SARS-CoV-2 (viral load)** collected from patients in the **emergency** department is...

What is Viral Shedding?

<https://www.news-medical.net/health/What-is-Viral-Shedding.aspx> ▼

Oct 05, 2020 · In fact, a growing amount of evidence indicates that the **viral shedding of SARS-CoV-2** begins before a patient is symptomatic, peaks at the point of or shortly after **symptom onset** ...

Persistent viral shedding of SARS-CoV-2 in faeces – a ...

<https://onlinelibrary.wiley.com/doi/10.1111/codi.15138>

May 17, 2020 · Despite persistent **shedding of SARS-CoV-2 virus** in faeces there seems to be no correlation with the presence or severity of gastrointestinal symptoms based on the limited data available. Our review adds to this evidence from China and describes the plausibility of faeco-oral transmission.

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Shedding of infectious virus in hospitalized patients with ...

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