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Hypertransaminasemia in the course of infection with SARS-CoV-2: Incidence and pathogenetic hypothesis

Zippi M *et al.* Hypertransaminasemia during SARS-CoV-2 infection

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Abstract

In patients infected with severe acute respiratory syndrome coronavirus 2, the respiratory symptoms, such as fever, cough and dyspnea, are the most frequent clinical manifestations. These patients may also present with less well-defined symptoms like diarrhea, nausea, vomiting and/or abdominal discomfort both at the time of diagnosis and during the clinical course. In a few cases, these symptoms may also present before the appearance of respiratory symptoms. To penetrate the body, Severe acute respiratory syndrome coronavirus 2 uses ACE2 receptors, which are present not only in respiratory epithelium but also in gastrointestinal mucosa and liver cholangiocytes. In several cases,

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Hypertransaminasemia: autoimmune diseases are associated with an increased risk of **hypertransaminasemia**. In the **course** of **MS**, cases of **autoimmune hepatitis** and **primary biliary cirrhosis** have been reported [6].

Cited by: 1

Author: Nicola Salvatore Orefice, Olga Ferraro,...

Publish Year: 2012

(PDF) ACE2 Receptor Expression and Severe Acute ...

https://www.researchgate.net/publication/7486838_ACE2_Receptor_Expression_and_Severe...

The results indicate that **infection** of **human airway epithelia** by **SARS coronavirus** correlates with the state of **cell differentiation** and ACE2 expression and localization.

Hepatitis C Virus Infection, Mixed Cryoglobulinemia, and ...

<https://www.sciencedirect.com/science/article/pii/S0272638612012309>

The **clinical course** of patients with **mixed cryoglobulinemia** is variable: some patients have an **indolent course** while others develop **vasculitic lesions** in various organs. Of particular importance is the development of **kidney disease** because **glomerulonephritis** is associated with ...

Cited by: 121

Author: Fabrizio Fabrizi, Emmanuelle Plaisier, ...

Publish Year: 2013

(PDF) Modeling the Early Events of Severe Acute ...

https://www.researchgate.net/publication/7276639_Modeling_the_Early_Events_of_Severe...

(A) **A549 cells** were **infected** with SARS-CoV as described for **Fig. 2**. At different days after infection, **total RNA** was extracted and subjected to **RPA** and **phosphorimaging**.

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Coronavirus infections: Epidemiological, clinical and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7064018>

Mar 01, 2020 · However, patients infected by **SARS-CoV-2** that are hospitalized frequently manifest a lymphopenia, suggesting that cellular immune responses may be suppressed 60,61. In this context, it becomes plausible that, after **infection** by **SARS-CoV-2**, a sort of race decides the **course** of the events.

SARS-CoV-2 and COVID-19: An Evolving Review of Diagnostics ...

<https://greenelab.github.io/covid19-review> ▼

SARS-CoV-2 and COVID-19: An Evolving Review of Diagnostics and Therapeutics. This manuscript () was automatically generated from greenelab/covid19-review@df75ad4 on April 4, 2020. This in progress manuscript is not intended for the general public.

Clinical characteristics of 140 patients infected with ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/all.14238>

The prevalence of chronic obstructive pulmonary disease (COPD) in people ≥ 40 years old was 13.7% in China according to a recent study. 22 Respiratory tract virus **infection** is a common trigger for acute exacerbation of COPD. 23 The prevalence of **SARS-CoV-2 infection** in COPD patients is not clear. In addition, the influence of smoking ...

Cited by: 12**Author:** Jin-jin Zhang, Xiang Dong, Yi-yuan Ca...**Publish Year:** 2020

Clinical course and outcomes of critically ill patients ...

https://www.researchgate.net/publication/339462361_Clinical_course_and_outcomes_of...

Information about critically ill patients **with SARS-CoV-2 infection** is scarce. We aimed to describe the clinical **course** and outcomes of critically ill patients **with SARS-CoV-2** pneumonia.



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Clinical characteristics of 140 patients infected with ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/all.14238>

Coronavirus disease 2019 (**COVID-19**) caused by **severe acute respiratory syndrome coronavirus 2** (SARS-CoV-2) **infection** has been widely spread. We aim to investigate the clinical characteristic and allergy status of patients infected with SARS-CoV-2. Methods

Cited by: 12

Author: Jin-jin Zhang, Xiang Dong, Yi-yuan Cao, ...

Publish Year: 2020

Clinical Course and Outcomes of Patients with Severe Acute ...

<https://www.ncbi.nlm.nih.gov/pubmed/32242348>

Apr 06, 2020 · **BACKGROUND:** **Severe acute respiratory syndrome coronavirus 2** (SARS-CoV-2)-infected pneumonia emerged in Wuhan, China in December 2019. In this retrospective multicenter study, we investigated the clinical **course** and outcomes of novel coronavirus disease 2019 (**COVID-19**) from early cases in Republic of Korea.

Severe Acute Respiratory Syndrome Coronavirus Infection of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1316022>

Jul 11, 2005 · **Severe acute respiratory syndrome coronavirus** (SARS-CoV) emerged in 2002 as an important cause of **severe lower respiratory tract infection** in humans, and in vitro models of the lung are needed to elucidate cellular targets and the consequences of viral **infection**.

Cited by: 178

Author: Amy C. Sims, Ralph S. Baric, Boyd Yount...

Publish Year: 2005

Severe Acute Respiratory Syndrome Coronavirus Infection ...

<https://www.researchgate.net/publication/5354046...>

Infection of humans with the **severe acute respiratory syndrome coronavirus** (SARS-CoV) results in substantial morbidity and mortality, with death resulting primarily from **respiratory** failure.

(PDF) Severe Acute Respiratory Syndrome Coronavirus ...

<https://www.researchgate.net/publication/7461543...>

Severe acute respiratory syndrome coronavirus (SARS-CoV) emerged in 2002 as an important cause of **severe lower respiratory tract infection** in humans, and in vitro models of the lung are needed to ...