

Match Overview

1	Internet 130 words crawled on 19-Mar-2021 omronhealthcare.com	3%
2	Internet 62 words crawled on 24-Jan-2021 www.mdpi.com	1%
3	Internet 58 words crawled on 03-Jun-2021 www.paperdigest.org	1%
4	Internet 45 words crawled on 19-May-2021 dokumen.pub	1%
5	Internet 44 words crawled on 03-Mar-2021 files.covid19treatmentguidelines.nih.gov	1%
6	Internet 44 words crawled on 20-Sep-2020 www.researchsquare.com	1%
7	Crossref 31 words "Abstracts of the IDF Congress in Paris 2003", Diabetologia, 2003	1%
8	Internet 25 words crawled on 11-Mar-2021 jok-totaal.com	1%

Name of Journal: *World Journal of Diabetes*

Manuscript NO: 63835

Manuscript Type: REVIEW

Immunometabolic bases of type 2 diabetes in the severity of COVID-19

Viurcos-Sanabria R *et al.* Immunometabolic mechanisms in diabetes and COVID-19

Rebeca Viurcos-Sanabria, Galileo Escobedo

Abstract

The outbreak of coronavirus disease 2019 (COVID-19) is caused by the novel severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). COVID-19 and type 2 diabetes (T2D) have now merged into an ongoing global syndemic that is threatening the lives of millions of people around the globe. For this reason, there is a deep need to understand the immunometabolic bases of the main etiological factors of T2D that affect the severity of COVID-19. Here, we discuss how hyperglycemia contributes to the

ALLIMAGESVIDEOS

22,100,000 ResultsAny time

Diabetes in COVID-19: Prevalence, pathophysiology ...

https://pubmed.ncbi.nlm.nih.gov/32298981

Results: There is evidence of increased incidence and **severity of** COVID-19 in patients with **diabetes**. COVID-19 could have effect on the pathophysiology of **diabetes**. Blood glucose control is important not only for patients who are infected with COVID-19, but also for those without the disease.

Cited by: 240Author: Awadhesh Kumar Singh, Ritesh Gupta, Am...Publish Year: 2020

Immunometabolic Mechanisms Underlying the Severity of COVID-19

https://www.frontiersin.org/research-topics/21811/...

The novel **severe** acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the causal agent of the global outbreak of coronavirus disease 2019 (COVID-19). An important number of patients with COVID-19 are at higher risk of developing the most **severe** form of the disease that includes pneumonia, acute respiratory distress syndrome (ARDS), multiorgan failure, and death.

Diabetes and COVID-19: A systematic review on the current ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7375314

Jul 22, 2020 · **Diabetes** and COVID-19 are heath treated conditions that spread in whole of the world. **Diabetes** patients are more of other people in danger of **severity of** COVID-19 and mortality, and consisted of 14.5% of COVID-19 patients. Best function is prevention and then usage of evidence-based treatments. For this reason, our suggestions include: For ...

Cited by: 29Author: Alireza Abdi, Milad Jalilian, Pegah Ahmadi ...Publish Year: 2020

Metabolic dysfunction and immunometabolism in COVID-19 ...

https://www.nature.com/articles/s41366-021-00804-7

Mar 16, 2021 · Patients with underlying **metabolic dysfunction**, such as **type 2 diabetes** mellitus and obesity, are at a higher risk for **COVID-19** complications, including multi-organ **dysfunction**, secondary to ...

Author: Rachael Batabyal, Nathaniel Freishtat, E...Publish Year: 2021

Covid-19 and diabetes in primary care - How do ...

https://pubmed.ncbi.nlm.nih.gov/33818239

Objectives: Changes in hematological parameters are becoming evident as important early markers of COVID-19. **Type 2 Diabetes** Mellitus (T2DM) has been shown to be associated with increased **severity of** COVID-19. In this study, we aim to explore the various hematological variables in COVID-19 positive patients with T2DM, so as to act early and improve patient outcomes.

Cited by: 1Author: Amit Varma, Ismail Dergaa, Abdul Rafi Moh...Publish Year: 2021

COVID-19 Severity Is Tripled in the Diabetes Community: A ...

https://care.diabetesjournals.org/content/44/2/526

Feb 01, 2021 · RESULTS We identified COVID-19 in 6,138, 40, and 273 patients without **diabetes** and with **type 1** and **type 2 diabetes**, respectively. Compared with not having **diabetes**, people with **type 1 diabetes** had adjusted odds ratios of 3.90 (95% CI 1.75–8.69) for hospitalization and 3.35 (95% CI 1.53–7.33) for greater illness **severity**, which was similar to risk in **type 2 diabetes**.

Cited by: 6Author: Justin M Gregory, James C Slaughter, Sara ...Publish Year: 2021

Treating type 2 diabetes in COVID-19 patients: the ...

https://cardiab.biomedcentral.com/articles/10.1186/s12933-020-01090-9

Jul 22, 2020 · **Type 2 diabetes**, hypertension, and cardiovascular diseases have been identified as the most common comorbidities for SARS-CoV-2 infection and have been associated with worse outcomes and more **severe** course of COVID-19 [1]. Moreover, about 30% of diabetic people present with a concomitant cardiovascular disease (CVD), further weakening the clinical status of individuals who are ...

Cited by: 6Author: Miriam Longo, Paola Caruso, Maria Ida Mai...Publish Year: 2020Estimated Reading Time: 9 mins

New diabetes cases linked to covid-19 - The Washington Post

https://www.washingtonpost.com/health/2021/02/01/covid-new-onset-diabetes

Feb 02, 2021 · As many as 14.4 percent of people hospitalized with **severe** covid-19 developed **diabetes**, according to a global analysis published Nov. 27 in the journal **Diabetes**, Obesity and Metabolism. The ...

Metformin May Protect Diabetics From COVID-19 | Everyday ...

https://www.everydayhealth.com/coronavirus/type-2...

Jun 09, 2020 · Metformin Linked With Lower Risk of Death From COVID-19 in People With **Type 2 Diabetes**. The **diabetes** drug metformin lowers blood sugar, an outcome that may independently lower the risk of dying ...

Should People With Diabetes Take The COVID-19 Vaccine?

https://www.verywellhealth.com/diabetes-covid-19-high-risk-vaccines-5095223

Jan 13, 2021 · The severity of COVID-19 depends on a **person's comorbidity**. Ricordi explains that **type 2 diabetes** patients who have comorbidities such as cardiovascular problems, hypertension, or renal dysfunction, have an increased risk for contracting COVID-19, and even dying from it. A Third of **COVID-19** Patients Experience Lasting Symptoms, Study Finds

Some results are removed in response to a notice of local law requirement. For more information, please see [here](#).

Search Tools

Turn off Hover Translation (关闭悬停翻译)



Make a difference for a nonprofit, simply by searching on Bing

MAYBE LATER

YES

ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

23,900,000 Results

Any time ▾

Diabetes in COVID-19: Prevalence, pathophysiology ...

<https://pubmed.ncbi.nlm.nih.gov/32298981>

Results: There is evidence of increased incidence and **severity of COVID-19** in patients with **diabetes**. **COVID-19** could have effect on the pathophysiology of **diabetes**. Blood glucose control is important not...

Cited by: 259

Author: Awadhesh Kumar Singh, Ritesh Gupta, Am...

Publish Year: 2020

Metabolic dysfunction and immunometabolism in COVID-19 ...

<https://www.nature.com/articles/s41366-021-00804-7>

Mar 16, 2021 · Patients with underlying **metabolic dysfunction**, such as **type 2 diabetes** mellitus and obesity, are at a higher risk for **COVID-19** complications, including multi-organ **dysfunction**, secondary t...

Author: Rachael Batabyal, Nathaniel Freishtat, E... Publish Year: 2021

Diabetes and COVID-19: A systematic review on the current ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7375314>

Jul 22, 2020 · Background. **COVID-19** pneumonia is a newly recognized illness that is spreading rapidly around the world and causes many disability and deaths. Some diseases, for instance **diabetes**, is...

Cited by: 33

Author: Alireza Abdi, Milad Jalilian, Pegah Ahmadi ...

Publish Year: 2020

Immunometabolic Mechanisms Underlying the Severity of COVID-19

<https://www.frontiersin.org/research-topics/21811/...> ▾

The novel **severe** acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is the causal agent of the global outbreak of coronavirus disease 2019 (**COVID-19**). An important number of patients with **COVID-...**

COVID-19 Severity Is Tripled in the Diabetes Community: A ...

<https://care.diabetesjournals.org/content/44/2/526> ▾

Feb 01, 2021 · RESULTS We identified **COVID-19** in 6,138, 40, and 273 patients without **diabetes** and with **type 1** and **type 2 diabetes**, respectively. Compared with not having **diabetes**, people with **type 1 diabete...**

Cited by: 11

Author: Justin M Gregory, James C Slaughter, Sara ...

Publish Year: 2021

Associations of type 1 and type 2 diabetes with COVID-19