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Observational Study

Diabetic patients with COVID-19 need more attention and better glycemic control

Ming Xu, Wen Yang, Tao Huang, Jun Zhou

Abstract

BACKGROUND

Coronavirus disease 2019 (COVID-19) is a pandemic disease spreading all over the world and has aroused global concerns. The increasing mortality has revealed its severity. It is important to distinguish severe patients and provide appropriate treatment and care to prevent damages. Diabetes is reported to be a common comorbidity in COVID-19 patients and associated with higher mortality. We attempted to clarify the relationship between diabetes and patients' severity.

AIM

To determine the role of type 2 diabetes in COVID-19 patients, we retrospectively investigated 61 patients in our hospital.

METHODS

To study the relationship between diabetes and COVID-19, we retrospectively collected sixty-one patients' data from a tertiary medical center in Wuhan. All the patients were diagnosed with laboratory-confirmed COVID-19 and admitted to the center from February 13th to March 1st. Patients' age, sex, laboratory tests, chest computed

Match Overview



1	Internet 19 words crawled on 13-Jul-2020 www.dailypioneer.com	1%
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How COVID-19 Impacts People with Diabetes | ADA

<https://www.diabetes.org/coronavirus-covid-19/how...> ▾

A: **COVID-19** is proving to be a **more** serious illness than seasonal flu in everyone, including people with **diabetes**. All of the standard precautions to avoid infection that have been widely reported are even **more** important when dealing with this virus.

People with Diabetes May Have High Risk for COVID-19: What ...

<https://www.healthline.com/health-news/people-with-diabetes-risk-healthcare-covid19> ▾

Mar 19, 2020 · "**Diabetes** and high **glucose** levels are associated with increased complications, respiratory failure and mortality in hospitalized **patients with COVID-19.**" **Diabetes** and **COVID-19** ...

Author: Christopher Curley

COVID-19 in People With Diabetes: Urgently Needed Lessons ...

<https://care.diabetesjournals.org/content/43/7/1378> ▾

Jul 01, 2020 · Because **diabetes** is one of the conditions associated with high risk, the **diabetes** community urgently needs to know **more** about **COVID-19** and its effects on people with **diabetes**. Between the first appearance of this illness in December 2019 and the time of writing this commentary, several detailed clinical descriptions have been published.

Cited by: 6

Author: Matthew C. Riddle, John B. Buse, Paul ...

Publish Year: 2020

COVID-19 and diabetes: The why, the what and the how ...

<https://www.sciencedirect.com/science/article/pii/S1056872720303962>

Sep 01, 2020 · The top priority for every individual with **diabetes** is to control the **glucose** level. As noted already, **COVID-19** may have a role in the dysregulation of the **glycaemic** control. These individuals are therefore **more prone** to require hospitalisation for insulin management in order to control their **glucose** levels.



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People with **diabetes** have much higher rates of serious complications and death than people without **diabetes**—and generally we believe that the **more** health conditions someone has (for example, **diabetes** and heart disease), the higher their chance of getting serious complications from **COVID-19**.

Controlling diabetes takes on greater urgency during COVID ...

<https://medicalxpress.com/news/2020-07-aha-news...> ▼

Jul 24, 2020 · A recent study from China published in the journal **Cell Metabolism** showed people with **COVID-19** but had **better-controlled glucose** had a lower **death rate** than those with **poorly controlled glucose**.

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Jul 01, 2020 · Our key message is that optimal **glycemic** control during hospitalization has been associated with reduction risk of **severe disease** and death in **patients with COVID-19**. Moreover, among **patients** screened for the study, **more patients** in the hyperglycemic group were excluded from this analysis because of **severe disease** (38% vs. 27%).

Cited by: 67

Author: Celestino Sardu, Nunzia D'Onofrio, Maria L...

Publish Year: 2020

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

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

Jul 22, 2020 · **Hypoglycemia** and **hyperglycemia** are both predictors for adverse outcomes in **hospitalized patients**. An optimized **glycemic** control should be pursued in **patients with diabetes** and **SARS-CoV-2** infection in order to reduce the risk of **severe COVID-19** course.

Cited by: 1

Author: Miriam Longo, Paola Caruso, Maria Ida Mai...

Publish Year: 2020

COVID-19 and diabetes: Risks, types, and prevention

<https://www.medicalnewstoday.com/articles/covid-19-and-diabetes> ▼

Apr 02, 2020 · However, people with **diabetes** may have a higher risk of developing severe medical complications, such as pneumonia, from **COVID-19**. Read on to learn **more** about how **COVID-19** can affect people with ...

COVID-19 Infection in People with Diabetes ...



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