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Advanced-glycation end-products axis: A contributor to the risk of severe illness from COVID-19 in diabetes patients

Armando Rojas, Cristian Lindner, Ileana Gonzàlez, Miguel Angel Morales

Similar increased risk for severe COVID-19 illness found ...

https://www.healio.com/news/endocrinology/20201221/...

Dec 21, 2020 · Individuals with type 1 **diabetes** and those with type 2 **diabetes** have similar increased **risks** for COVID-19 hospitalization and **severe illness** compared with those without **diabetes**, according to …

Sleep Apnea: An Overlooked COVID-19 Risk Factor ...

https://www.usnews.com/news/health-news/articles/...

Dec 08, 2020 · Here is my call: In the short term, funding for continued research is paramount to assess the impact of OSA treatment on **risk** for **severe** COVID-19 **illness**…

Certain Medical Conditions and Risk for Severe COVID-19 ...

https://www.cdc.gov/coronavirus/2019-ncov/need...

Dec 29, 2020 · Having type 2 diabetes increases your risk of severe illness from **COVID-19**. Based on

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Advanced-glycation end-products axis: A contributor to the risk of s

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Study links elevated levels of advanced glycation end ...

https://web.musc.edu/about/news-center/2020/06/10/...

Jun 10, 2020 · Hollings Cancer Center researchers at the Medical University of South Carolina (MUSC) and colleagues assessed the connection between dietary advanced glycation end products (**AGEs**) and breast cancer **risk** in a study first published online March 2020 in Cancer Prevention Research.. It supports an increasingly evident link between high levels of AGEs in the body and cancer **risk**, said ...

Journey to a Receptor for Advanced Glycation End Products ...

https://www.ahajournals.org/doi/10.1161/ATVBAHA.120.315527

Finally, as clinical studies have identified that disorders of metabolism (diabetes and obesity) amplify the risk for severe manifestations of **COVID-19,** is it plausible that the increased production and accumulation of DAMPs in metabolic and vascular tissues, and through their interactions with RAGE, raise basal signaling and inflammatory stress via circulating immune cell-host cell communications, thereby priming the tissues throughout the **diabetic** ...

Author: Divya Roy, Ravichandran Ramasam... **Publish Year:** 2021

Advanced Glycation End Products and ... - Diabetes Care

https://care.diabetesjournals.org/content/25/6/1055

Jun 01, 2002 · OBJECTIVE —Data from experimental studies have suggested that the increased formation of advanced glycation end products (AGEs) is one of the causes of endothelial dysfunction **in diabetes**. This study was performed to investigate whether changes in endothelium-dependent vasodilation, a marker of endothelial function, were related to serum AGEs concentrations in **patients** with type 2 **diabetes**.

Cited by: 423 **Author:** Kathryn C.B. Tan, Wing-Sun Chow, Vict...
Publish Year: 2002

Study links elevated levels of advanced glycation end ...

https://web.musc.edu/about/news-center/2020/06/10/...

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This Review puts for the proposal that damage-associated molecular pattern interaction with their central receptor, receptor for **advanced glycation end products**, contributes both to the increased vulnerability of obese/diabetic tissues to severity of **severe acute respiratory syndrome coronavirus 2** and to the widespread tissue damage induced by this infection in the lung and other organs.

Cited by: 1 **Author:** Divya Roy, Ravichandran Ramasamy, Ann ...
Publish Year: 2021

Advanced Glycation End Products and ... - Diabetes Care

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Cited by: 420 **Author:** Kathryn C.B. Tan, Wing-Sun Chow, Victor H....
Publish Year: 2002

Diabetes and Advanced Glycoxidation End Products ...

https://care.diabetesjournals.org/content/29/6/1420

Jun 01, 2006 · The morbidity caused by **diabetes** has traditionally been classified into macro- and microvascular complications. Although macrovascular complications have received greater attention, microvascular complications are unique to **diabetes**, and hyperglycemia contributes to their development. Numerous hyperglycemia-related mechanisms are hypothesized to mediate micro- and macrovascular ...

Cited by: 379 **Author:** Amy G. Huebschmann, Judith G. Regenstei...
Publish Year: 2006