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[Inflammation, Defective Insulin Signaling, and ... - Diabetes](https://diabetes.diabetesjournals.org/content/63/7/2262)

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Jul 01, 2014 · **Inflammation** as a Major Link Between the Pathogenesis of AD and Metabolic Disorders. **Inflammation** is an important feature of **diabetes** and AD and is thought to play critical roles in the pathogenesis of both disorders (28,39,61). **Inflammation** is part of the body's mechanisms of defense against multiple challenges, including infections and injury, and involves both soluble factors and ...

Cited by: 421 **Author:** Fernanda G. De Felice, Sergio T. Ferreira**Publish Year:** 2014

[overview of the inflammatory signalling mechanisms in the ...](https://academic.oup.com/cardiovascres/article/113/4/378/3061105)

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< **Introduction** Definition of Diabetic Cardiom... Clinical Implications of Cardi >

Despite continuous advances in treatment and prevention strategies, cardiovascular diseases still represent the main cause of death in Western countries. Among cardiovascular diseases, heart failure is a highly morbid and mortal condition, which represents the last stage of most cardiovascular disorders. Specific pharmacologic therapy that can reverse heart failure is not yet available. For this reason, it is very important to understand the molecular mechanisms underlying the development of cardiac dysfunction...

[See more on academic.oup.com](https://academic.oup.com)**Cited by:** 95 **Author:** Giacomo Frati, Leonardo Schirone, Isotta...**Publish Year:** 2017 **Published:** Mar 03, 2017

[Common issues among asthma, epilepsy, and schizophrenia ...](https://europepmc.org/article/MED/33176668)

<https://europepmc.org/article/MED/33176668> ▾

Nov 10, 2020 · RESULTS AND CONCLUSION: There is a clear relationship between Ca²⁺ signalling, e.g. increased Ca²⁺ signals, and inflammatory responses. In addition to Ca²⁺, cAMP regulates pro- and anti-inflammatory responses. Then, beyond inflammation, the comprehension of the link among epilepsy, asthma and schizophrenia could improve the drug therapy.

Author: Leandro Bueno Bergantin **Publish Year:** 2020

[Effects of REDOX in Regulating and Treatment of Metabolic ...](https://www.hindawi.com/journals/omcl/2020/5860356)

<https://www.hindawi.com/journals/omcl/2020/5860356> ▾

Reduction oxidation (REDOX) reaction is crucial in life activities, and its dynamic balance is regulated by ROS. Reactive oxygen species (ROS) is associated with a variety of metabolic diseases involving in multiple cellular signalling in pathologic and physiological signal transduction. ROS are the by-products of numerous enzymatic reactions in various cell compartments, including the ...

Diabetes and cancer: Debating the link through Ca²⁺/cAMP ...

<https://www.sciencedirect.com/science/article/pii/S0304383519300898>

Apr 28, 2019 - In endocrine cells, Ca²⁺/cAMP signalling modulate the release of various hormones, including insulin from pancreatic β-cells [1, 2], then, dysregulation of Ca²⁺ signalling have been implicated in the pathogenesis of diabetes. While increasing cAMP levels by adrenaline may stimulate hepatic glucose production, enhancing cAMP levels into pancreatic β-cells can induce the release of ...

Cited by: 4 Author: Leandro Bueno Bergantin Publish Year: 2019

A link among schizophrenia, diabetes, and asthma: Role of ...

<https://europepmc.org/article/MED/33210037>

Jul 01, 2020 - Introduction. The concept of a complex clinical link among schizophrenia, diabetes, and asthma has been described in several reports [1,2,3,4]. The concept that supports a positive link among schizophrenia, diabetes, and asthma rests in the findings that various processes are involved in the pathogenesis of these diseases, for example, a convergent disturbance in the immune-inflammatory ...

Author: Leandro Bueno Bergantin Publish Year: 2020

The Pathophysiology of Cardiovascular Disease and Diabetes ...

<https://spectrum.diabetesjournals.org/content/21/3/160>

Jul 01, 2008 - In Brief The pathophysiology of the link between diabetes and cardiovascular disease (CVD) is complex and multifactorial. Understanding these profound mechanisms of disease can help

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Name of Journal: *World Journal of Diabetes*

Manuscript NO: 61327

Manuscript Type: INVITED REVIEW

Invited Manuscript ID: 04438667

Diabetes and inflammatory diseases: an overview from the perspective of Ca²⁺/cAMP signalling

Bergantin, Diabetes and inflammatory diseases

Leandro Bueno Bergantin

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Diabetes and inflammatory diseases: An overview from the perspect



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Diabetes, Hypertension, and Cardiovascular Disease ...

<https://www.sciencedirect.com/science/article/pii/S0828282X1731214X>

May 01, 2018 · Metformin reduces C-reactive protein levels by 13%. More recently, a novel anti-inflammatory mechanism of metformin affecting M1/M2 polarization of macrophages has been shown to reduce obesity-associated low-grade inflammation, possibly because of adenosine monophosphate-activated protein kinase (AMPK) activation.

Cited by: 246 Author: John R. Petrie, Tomasz J. Guzik, Rhian ...
Publish Year: 2017

The beneficial role of curcumin on inflammation, diabetes ...

<https://www.sciencedirect.com/science/article/abs/pii/S0278691515001878>

The beneficial role of curcumin on inflammation, diabetes and neurodegenerative disease: A recent update ... microRNAs, etc. Oxidative stress and inflammation play a pivotal role in various diseases like diabetes, cancer, arthritis, Alzheimer's disease and cardiovascular diseases. ... 5' adenosine monophosphate-activated protein kinase ...

The beneficial role of curcumin on inflammation, diabetes ...

<https://www.sciencedirect.com/science/article/pii/S0278691515001878>

Sep 01, 2015 · Therefore, in this review the focus is on some aspects of curcumin including its effect on anti-inflammatory diseases, diabetes and Alzheimer's disease (AD). Its modulating activities on cellular signalling molecules involved in pathophysiology in various organs and tissues, along with some current clinical reports are also discussed.

Cited by: 356 Author: Shatadal Ghosh, Sharmistha Banerjee, P...
Publish Year: 2015

Role of T Lymphocytes in Type 2 Diabetes and Diabetes ...

<https://www.hindawi.com/journals/jdr/2017/6494795>

Although a critical role of adaptive immune system has been confirmed in driving local and systemic inflammation in type 2 diabetes and promoting insulin resistance, the underlying mechanism is not completely understood. Inflammatory regulation has been focused on innate immunity especially macrophage for a long time, while increasing evidence suggests T cells are crucial for the ...

Cited by: 103 Author: Chang Xia, Xiaoquan Rao, Jixin Zhong
Publish Year: 2017