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Alzheimer's disease and type 2 diabetes mellitus: pathophysiologic

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Alzheimer's Disease And Type 2 Diabetes: Exploring The ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5002347>

Jun 01, 2012 · Alzheimer's disease (AD) and type 2 diabetes mellitus (T2DM) are two debilitating health disorders afflicting millions worldwide. Recent research has revealed similarities between AD and T2DM. Both these protein conformational disorders are associated with obesity, insulin resistance, inflammation and endoplasmic reticulum stress, en-route initiation and/or stage aggravation.

Cited by: 31Author: Medha Priyadarshini, Mohammad A. Ka...Publish Year: 2012

Frontiers | Alzheimer's Disease and Type 2 Diabetes: A ...

<https://www.frontiersin.org/articles/10.3389/fnins.2018.00383>

Alzheimer's Disease

Medical Condition

A type of brain c...

problems with m...

behavior.

Very comm...

cases per y...

Often requir...

Treatments

no known...

## Type 2 Diabetes Mellitus and Alzheimer's Disease

<https://pubmed.ncbi.nlm.nih.gov/25512792>

Epidemiological and biological evidences support a link between **type 2 diabetes mellitus** (DM2) and **Alzheimer's disease** (AD). Persons with **diabetes** have a higher incidence of cognitive decline and an increased risk of developing all types of **dementia**. Cognitive deficits in persons with **diabetes** mainl ...

Cited by: **188**

Author: Mario Barbagallo, Ligia J Dominguez

Publish Year: 2014

## Frontiers | Alzheimer's Disease and Type 2 Diabetes: A ...

<https://www.frontiersin.org/articles/10.3389/fnins.2018.00383> ▾

Jun 08, 2018 · Insulin signaling also controls mTOR pathway that inhibits autophagy. Both insulin resistance in Type 2 Diabetes and Alzheimer's disease impairs the formation of autophagosomes and disrupts **lysosomal** function. Autophagosomes fuse with **lysosomes** to form **autolysosomes**.

Cited by: **74**

Author: Shreyasi Chatterjee, Amritpal Mudher

Publish Year: 2018

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What is Alzheimer's disease and Type 2 diabetes? ▾

Is T2DM related to Alzheimer's disease? ▾

Is diabetes a risk factor for vascular dementia? ▾

How does Alzheimer's cause dementia? ▾

Name of Journal: *World Journal of Diabetes*

Manuscript NO: 64249

Manuscript Type: REVIEW

**Alzheimer's disease and type 2 diabetes mellitus: pathophysiologic and pharmacotherapeutics links**

Alzheimer's disease and type 2 diabetes mellitus

#### Abstract

At present, Alzheimer's disease (AD) and type 2 diabetes mellitus (T2DM) are two highly prevalent disorders worldwide, especially among elderly individuals. T2DM appears to be associated with cognitive dysfunction, with a higher risk of developing neurocognitive disorders, including AD. These diseases have been observed to share various pathophysiological mechanisms, including alterations in insulin signaling, defects in glucose transporters (GLUTs), and mitochondrial dysfunctions in the brain. Therefore, the aim of this review is to summarize the current knowledge regarding the

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How does Alzheimer's cause dementia? ▾

Feedback

## Shared Links Between Type 2 Diabetes Mellitus and ...

<https://pubmed.ncbi.nlm.nih.gov/26907971>

Epidemiological studies have proved that, there are pathophysiological connections between Type 2 Diabetes Mellitus (T2DM) and Alzheimer's disease (AD). Diabetic patients have higher incidences of cognitive impairment and hence they are more at the risk of developing AD.

Cited by: 117

Author: Khyati Mittal, Deepshikha Pande Katare

Publish Year: 2016