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Impaired cerebral blood flow in type 2 diabetes mellitus ...

<https://www.sciencedirect.com/science/article/pii/S221315822030139X>

Jan 01, 2020 · The link between non-demented type 2 diabetes mellitus (T2DM) and different types of cognitive impairment is controversial. By controlling for co-morbidities such as cerebral microvascular and microvascular changes, cerebral atrophy, amyloid burden, hypertension or hyperlipidemia, the current study investigated the cerebral blood flow of T2DM individuals as compared to cognitively ...

Cited by: 1 Author: Anson C.M. Chau, Eva Y.W. Cheung, K.H. ...

Publish Year: 2020

Cerebral microvascular complications of type 2 diabetes ...

https://www.researchgate.net/publication/339654365_Cerebral_microvascular...

People with type 2 diabetes are at an increased risk of cognitive impairment and dementia (including Alzheimer's disease), as well as subtle forms of cognitive dysfunction.

Cerebral perfusion alterations in type 2 diabetes and its ...

<https://link.springer.com/article/10.1007/s11682-016-9583-9>

Oct 06, 2016 · Type 2 diabetes mellitus (T2DM) is a prevalent metabolic disorder characterized by ...

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https://www.frontiersin.org/articles/10.3389/fneur.2020.00572/full

Object: Diabetes is associated with cerebral vascular dysfunction and increased vascular cognitive impairment. The objective of this study was to use arterial spin labeling (ASL) perfusion-weighted magnetic resonance imaging to investigate whether cerebral perfusion was changed in newly-diagnosed children with type 1 diabetes mellitus (T1DM) and the possible relationship between aberrant ...

Author: Jiawen Song, Shihan Cui, Yaomeng Che... Publish Year: 2020

Regional Cerebral Blood Flow in Mild Cognitive Impairment ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5442339

Mar 01, 2017 · Ding B., Ling H.-W., Zhang Y., et al. Pattern of cerebral hyperperfusion in Alzheimer's disease and amnesic mild cognitive impairment using voxel-based analysis of 3D arterial spin labeling imaging: initial experience. Clinical Interventions in Aging. 2014; 9:493-500. doi: 10.2147/cia.s58879. [PMC free article] [Google Scholar]

Cited by: 15 Author: Alba Sierra-Marcos

Publish Year: 2017

Enhancement of Vasoreactivity and Cognition by Intranasal ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3931384

Introduction. Type 2 diabetes mellitus (DM) is a major risk factor for Alzheimer disease and vascular dementia. Associated brain atrophy is widespread and generalized, advancing brain age and accelerating cognitive decline in older DM populations (3-4). Although the underlying pathophysiology of gray matter atrophy is complicated, hyperglycemia-induced small-vessel disease is a potential ...

Cited by: 142 Author: Vera Novak, William Milberg, Ying Hao, Yin...

Publish Year: 2014

Contribution of diffusion, perfusion and functional MRI to ...

https://svn.bmj.com/content/3/3/131

Sep 01, 2018 · Vascular risk factors (eg, hypertension, diabetes mellitus, atrial fibrillation and hypercholesterolaemia) may induce neurovascular dysfunction through pathways mediated by vascular oxidative stress and inflammation.7 Oxidative stress promotes the release of prostanoids and vascular endothelial growth factor by inducing endothelial dysfunction ...

Author: Qing Ye, Feng Bai Publish Year: 2018

Cerebrovascular complications of diabetes: focus on ...

https://www.researchgate.net/publication/308181996...

Hypoglycemia is a candidate risk factor, but the direction of association between episodes of severe hypoglycemia and cognitive decline in type 2 diabetes remains uncertain. Research Design and ...

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Manuscript Type: ORIGINAL ARTICLE

3D-arterial spin labeling perfusion correlation with diabetes-associated cognitive dysfunction and vascular endothelial growth factor in type 2 diabetes mellitus rat

Shao JW *et al.* Perfusion Correlation with DACD and VEGF

Ju-Wei Shao, Jin-De Wang, Qian He, Ying Yang, Ying-Ying Zou, Wei Su, Shu-Tian Xiang, Jian-Bo Li, Jing Fang

BACKGROUND

Type 2 diabetes mellitus (T2DM) has been strongly associated with an increased risk of developing cognitive dysfunction and dementia. The mechanisms of diabetes-

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Cerebral Perfusion in Insulin Resistance and Type 2 Diabetes

<https://www.researchgate.net/publication/266946473...>

Cerebral perfusion was evaluated in 87 subjects prospectively enrolled in three study groups-healthy controls (HC), patients with insulin resistance (IR) but not with diabetes, and type 2 diabetes ...

Frontiers | Disrupted Regional Cerebral Blood Flow in ...

<https://www.frontiersin.org/articles/10.3389/fneur.2020.00572...>

Object: Diabetes is associated with cerebral vascular dysfunction and increased vascular cognitive impairment. The objective of this study was to use arterial spin labeling (ASL) perfusion-weighted magnetic resonance imaging to investigate whether cerebral perfusion was changed in newly-diagnosed children with type 1 diabetes mellitus (T1DM) and the possible relationship between aberrant ...

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Enhancement of Vasoreactivity and Cognition by Intranasal ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3931384>

Introduction. Type 2 diabetes mellitus (DM) is a major risk factor for Alzheimer disease and vascular dementia. Associated brain atrophy is widespread and generalized, advancing brain age and accelerating cognitive decline in older DM populations (2–4).Although the underlying pathophysiology of gray matter atrophy is complicated, hyperglycemia-induced small-vessel disease is a potential ...

Cited by: 146 Author: Vera Novak, William Milberg, Ying Hao, Y...
Publish Year: 2014

Disturbed neurovascular coupling in type 2 diabetes ...

<https://www.sciencedirect.com/science/article/pii/S2213158219301524>

Jan 01, 2019 · 1. Introduction. Type 2 diabetes mellitus (T2DM) has been proved to be a major risk factor for cognitive impairment, which may further progress to Alzheimer's disease (AD) or dementia (Biessels et al., 2008; Okereke et al., 2008; Roberts et al., 2014). Specific interventions are of great importance for treating it and preventing the progression, but personalized treatment is usually based ...

Cited by: 11 Author: Bo Hu, Lin-Feng Yan, Qian Sun, Ying Yu,...
Publish Year: 2019

Model-free arterial spin labeling quatification approach ...

<https://www.researchgate.net/publication/7356801...>