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Impaired insulin signaling and the pathogenesis of Alzheimer's disease.

Revill P[1], Moral MA, Prous JR.

Author information

Abstract

There is a growing interest in possible links between **impaired insulin signaling** and the **pathogenesis** of **Alzheimer's disease**. **Insulin** and **insulin-signaling** mechanisms are important for neuronal survival, and central nervous system neurodegeneration is associated with dysfunctional neuronal **insulin** receptors. This short review focuses on recent findings that many important components of **Alzheimer's disease** appear to stem from imbalances in **insulin signaling** intrinsic to the brain, rather than systemic **insulin** imbalances, and that treatments aimed at redressing **insulin** imbalances in the brain could be effective therapies.

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