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Effects of exercise on brain functions in diabetic animal models

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Abstract

Human life span has dramatically increased over several decades, and the quality of life has been considered to be equally important. However, diabetes mellitus (DM) characterized by problems related to insulin secretion and recognition has become a serious health problem in recent years that threatens human health by causing decline in brain functions and finally leading to neurodegenerative diseases. Exercise is recognized as an effective therapy for DM without medication administration.

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Although these studies emphasize an important effect of food on the brain, further to sustaining cognitive function after brain insults^{53,54}, diabetes⁵⁵ and aging⁵⁶. ... A recent study in rodents demonstrated that defeat stress, an animal model of Recent studies have shown a cooperative action of diet and exercise at the ...



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