



Accelerated aging processes in type I streptozotocin-induced diabetes mellitus in rats.

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Abstract: Introduction: Several patterns of neuropathy can be distinguished in DM. In recent years evidence is emerging that DM affects the CNS. Both acute and chronic metabolic and vascular disturbances can impair the functional and structural integrity of the brain in diabetic patients. The emerging view is that the diabetic brain features many symptoms that are best described as brain ageing. The aim of this study is to show that DM accelerates the process of brain ageing.

Methods: Several behavioral (Morris-water maze) and electrophysiological (Extra- and intracellular recordings from hippocampal slices) experiments were performed on streptozotocin-induced DM and aged-matched control rats.

Results: On behavioral testing the aged rats showed deterioration in learning and memory compared to



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Publications:

1. Invariance of maximum likelihood estimation for affinettransformed state space models R&R at Journal of Time Series Analysis .
2. Betting on conditional alphas
3. Price discovery and market microstructure noise
4. Fernandes and Mendes Nonparametric testing of conditional independence using asymmetric kernels
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[12th World Congress on Alzheimers Disease & Dementia November 09-10, 2020](#)

Abstract Citation: [Amer Kamal Al Ansari, Accelerated aging processes in type I streptozotocin-induced diabetes mellitus in rats., ALZHIEMERS CONGRESS 2020, 12th World Congress on Alzheimers Disease & Dementia, November 09-10, 2020](#)