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GAPDH mRNA expression in blood of Moroccan AD cases

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Introduction: Proteomics studies have been conducted to identify proteins affecting the degree of neurodegeneration and could contribute to discover and define predictive biomarker signatures for AD. Several studies have highlighted the high affinity interactions between GAPDH - β-amyloid in Alzheimer disease. The aim of our study to assess the mRNA expression of GAPDH in the blood of Moroccan AD cases.

Methods: A quantitative Real Time PCR was performed to evaluate the mRNA expression of GAPDH in samples of AD cases and healthy controls.

Results: the mRNA expression level of GAPDH in AD cases was significantly different as compared to healthy controls ($P < 0.05$). Conclusion: Our results reveal that GAPDH undergoes several modifications in neurodegeneration mechanism, that affect its chemical structure and its biological activity, which could contribute as a biomarker for AD.

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