Association of Clusterin Gene Polymorphisms with Late-Onset Alzheimer's Disease

Background/Aims: Some studies have implicated the role of apolipoprotein J [clusterin (CLU), apoJ] in the pathogenesis of Alzheimer’s disease (AD). In this study, we investigated the polymorphisms rs11136000 and rs9331888 within CLU in late-onset sporadic AD (LOAD) patients and nondemented subjects. Methods: LOAD patients and control subjects were analyzed. Genotyping of rs11136000 and rs9331888 was performed using standard PCR following different restriction endonuclease digestion. Results: Although there were no significant differences in genotype frequencies of these two polymorphisms, the haplotype CG was associated with a statistically significantly increased LOAD risk. Conclusion: The rs11136000 and rs9331888 polymorphisms of the CLU gene are associated with LOAD.

Stichworte: Apolipoprotein J; Alzheimer’s disease, late-onset; Clusterin

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