

題名:Gene Variants of Arachidonate 5-lipoxygenase-activating protein (ALOX5AP) and Risks of Ischemic Stroke in the Taiwanese Population.

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摘要:It has been shown that stroke in the Icelandic population may be attributed to gene variations in 5-lipoxygenaseactivating protein (ALOX5AP) gene. Because the linkage between the gene variations of these genes and ischemic stroke in Taiwan has not been reported, we evaluated whether ALOX5AP gene polymorphisms confers risk of ischemic stroke in Taiwanese patients. Four singlenucleotide polymorphisms (SNPs) covering the ALOX5AP gene were genotyped using genomic DNA sequencing and a high-throughput TaqMan PCR assay in 108 patients suffering ischemic stroke and 280 healthy individuals. No significant associations with ischemic stroke were observed with SNPs HapA (SG13S32 and SG13S89) and HapB (SG13S41 and SG13S35) from ALOX5AP, which were a part of the Icelandic at-risk haplotypes. The present data do not support a significant role for ALOX5AP polymorphisms in a genetic susceptibility to ischemic stroke in the Taiwanese population.