

Polymorphism in rs4343 of ACE gene linked to migraine

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(HealthDay)—Angiotensin I-converting enzyme (ACE) gene rs4343

polymorphism is associated with the risk of migraine, according to a letter to the editor published online June 18 in *CNS Neuroscience & Therapeutics*.

Atieh Abedin-Do, from the University of Medical Sciences in Tehran, Iran, and colleagues examined possible correlations between rs4343 [polymorphism](#) in the *ACE* gene and migraine in a [case control study](#). Data were included for 148 patients with migraine (105 without aura [MO] and 43 with aura [MA]) and 149 age- and sex-matched healthy controls.

The researchers observed a correlation between rs4343 A/G polymorphism and migraine (odds ratio, 0.48). The G/G genotype frequency was significantly higher in MA versus MO patients (odds ratio, 3.14). There was also a significant difference observed under recessive model considering the G allele (G/G versus A/A and A/G: odds ratio, 4.17).

"To the best of our knowledge, this is the first study concerning the association between rs4343 polymorphism and susceptibility to [migraine](#)," the authors write. "Further studies are required to validate the significance of the studied genetic variation in diverse ethnic populations."

More information: [Abstract](#)
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