

## Insertion/Deletion Polymorphism of the Human Angiotensin I Converting Enzyme Gene in Korean Elite Athletes

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In view of the role of ACE gene as a genetic factor for physical performance, we investigate the distribution of insertion/deletion (I/D) polymorphism of the human ACE gene in the Korean elite athletes. There were no significant differences in the allele and genotype of I/D polymorphisms between normal controls and elite athletes. Also, the I/D polymorphism was not significantly associated with any anthropometrical parameters or intermediate phenotypes, respectively. The excess of I allele in marathon runners was however, detected among our sporting disciplines. Therefore, our results suggest that the excess of I allele in marathon runners may reflect the potential role of the ACE gene in endurance performance of Korean population.

Keywords : ACE, Endurance, Genotype