

**Methods** 90 health control individuals and 364 patients with coronary artery disease who were diagnosed by coronary angiography or coronary artery CT angiography were enrolled in the study. The single nucleotide polymorphisms (rs9859552 and rs6801273) of P2Y12 gene were detected by MALDI-TOF mass spectrometry. Compare the genotypes and allele frequencies in the two groups.

**Results**

1. Genotypes and frequencies of P2Y12 gene polymorphisms (rs9859552) in control group and coronary heart disease group both were GG genotype.
2. Genotypes and frequencies of P2Y12 gene polymorphisms (rs6801273) in control group and coronary heart disease group were as below: CC genotype 10.0% vs 13.7%; CT genotype 40.0% vs 44.5%; TT genotype 50.0% vs 41.8%. There was no significant difference between control group and coronary heart disease group ( $p=0.33$ ).

**Conclusions** Single Nucleotide Polymorphisms of P2Y12 gene polymorphisms in rs9859552 and rs6801273 are not associated with coronary heart disease.

GW23-e2265

**STUDY ON CORRELATION OF P2Y12 GENE  
POLYMORPHISMS IN RS9859552 AND RS6801273  
SITES WITH CORONARY HEART DISEASE**

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Chenxiaoyan Zhangxinia, Moyihao Zhangwenbin, Wujiansheng Baoshimin,  
Zhangxinia Huxuesong. *Shenzhen Futian Hospital Affiliated of Guangdong Medical  
College*

**Objectives** To investigate correlation of P2Y12 gene polymorphisms (rs9859552 and rs6801273) with coronary heart disease.