

结合珠蛋白遗传性多态现象与疾病关系的研究I.广东群体结合珠蛋白遗传性多态现象的特点

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摘要 本文测定了广东地区1,083名无关中国人个体的血清Hp表型。观察到在这一人群中的Hp表型, 频率分别为: Hp2-2 0.500, Hp2-1 0.406, Hp1-1 0.088; Hp基因频率分别为Hp 0.703, Hp1 0.291; 均处于Hardy-Weinberg平衡状态。观察到Hp1基因频率随年龄增加而降低。此外, 在这一群体中还观察到少见的Hp0型, 其频率为0.006。对其中4例作了家谱调查, 结果支持可能存在Hp0基因的假设, 推测其遗传方式可能与AB0血型相类似。

关键词

分类号

Studies on Relationship between Haptoglobin Genetic Polymorphisms and Diseases I. Characters of Haptoglobin Genetic Polymorphisms in A Guangdong Population

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Abstract

Serum haptoglobin (Hp) phenotypes were determined by polyacrylamide gel electrophoresis in a Chinese population from Guangdong. In all 1,083 unrelated persons, 542 individuals were found to be type Hp 2-2, 440 type Hp 2-1, 95 type Hp 1-1 and 6 type Hp 0. Thus, we come to conclude that the gene frequency of Hp1 is 0.291 and that of Hp2 is 0.703, and that the gene Hp1 and Hp2 are in Hardy-Weinberg equilibrium in the population.

In addition, the decrease of gene frequency of Hp 1 with age was found. The pedigrees of four type Hp 0 families were analyzed the result supported our previous hypothesis that the gene Hp 0 may appear on Hp locus.

Key words

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