

104名藏族志愿者中细胞色素P450 2C19m1的基因多态性 Cytochrome P450 2C19 Gene Polymorphism in 104 Chinese Zang Volunteers

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摘要 细胞色素P450 2C19 (CYP2C19) 参与临床上许多重要药物的代谢。根据其代谢S-美芬妥英或其他CYP2C19底物的能力不同, 有强代谢者 (EMs) 和弱代谢者 (PMs) 之分。PMs表型的频发率存在明显的种族差异。在本文中, 我们主要报道了细胞色素P450 2C19 m1在中国藏族人群中的多态性分布。在104例无血缘关系藏族人群中, 49人 (47.1%) 为CYP2C19野生型纯合子 (wt/wt), 46人 (44.2%) 为CYP2C19m1杂合子 (wt/m1), 9人 (8.7%) 为CYP2C19m1突变型纯合子 (m1/m1)。CYP2C19野生型等位基因频率为0.692, CYP2C19m1等位基因频率为0.308。该结果与国内外报道的中国其余民族的CYP2C19m1等位基因频率相比具有一定可比性。

关键词: 细胞色素P450 2C19; 基因型; 藏族; 聚合酶链反应; 限制性内切核酸酶片段长度多态 (RFLP)

Abstract: Cytochrome P 450 2C19 (CYP2C19) is involved in the metabolism of a number of clinically used drugs. Individuals can be characterized as extensive metabolizers (EMs) or poor metabolizers (PMs), according to the drugs-metabolized ability of CYP2C19 in population studies. The incidence of poor metabolizer phenotype shows marked interracial differences. In this article we report the gene polymorphism of CYP2C19 in Zang population. There were 49 wild-type homozygotes (wt/wt), 46 were heterozygotes (wt/m1) and 9 were homozygotes (m1/m1) among 104 unrelated Zang subjects. The frequency of CYP2C19m1 allele was 0.308, which was in agreement with that in other published data.

关键词 [Key words](#) [cytochrome P450 2C19](#) [genotype](#) [Zang population](#) [polymerase chain reaction](#) [restricted fragment length polymorphism \(RFLP\)](#)

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