

一对同卵双生克氏综合征的研究

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摘要 本文报道了一对克氏综合征的双生兄弟, 经血型鉴定提示为同卵双生。患者外周血淋巴细胞 $2n=47$, 性染色体为XXY; G显带和C显带标本中发现第1和第16对同源染色体的两个成员之间异染色质区的大小有显著差异, 而且Y染色体长臂的异染色质区很大, 这种多态性变异, 在两个患者之间是相同的。据此进一步证实为同卵双生的克氏综合征, 他们的核型为 $47, XXY, var(1)(q12, CBG30), var(16)(q11, CBG10), var(Y)(q12, CBG30)$ 。

关键词

分类号

A Study of Identical Twins with Klinefelter's Syndrome

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Abstract

This paper presents a rare case of twins brothers with Klinefelter's syndrome. By identification of the blood group, both patients are considered to be identical twins. Their diploid number of peripheral blood lymphocytes are 47 and the sex chromosome complement XXY. A significant difference in size of the heterochromatin regions between the two members of No. 1 and No. 16 chromosome has been found in G- and C-banded preparations. In addition, the heterochromatin regions of long arm of Y chromosomes in twin pair are very large in size. In view of the concordance of these variations in the two patients, we suggest that the polymorphic variations mentioned above might be used in diagnosis of zygosity. We are quite sure that the two members of the twins are identical twins with Klinefelter's syndrome. Their karyotypes are all $47, XXY, var(1)(q12, CBG 30), var(16)(q11, CBG 10), var(Y)(q12, CBG 30)$. According to the references, the pair of the patients here might be the seventh pairs of identical twins with Klinefelter's syndrome in the world.

Key words

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