

复杂易位遗传效应的探讨——附-例罕见复杂易位核型 A Study of Genetic Effects of Complex Chromosomal Translocation

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 本文报道一例罕见复杂易位核型: 46, XX, t(1;14;10). 并结合以往资料, 探讨和分析复杂易位和一般平衡易位对表型及生育的遗传效应. 结果显示, 一般易位导致智能低下和多发畸形的频率各为3.57%; 复杂易位所致智能低下频率为21.73%, 多发畸形的频率为17.39%. 提示复杂易位所致智能低下和畸形频率明显高于一般易位。

Abstract: In this paper, we report a rare karyotype of complex translocation: 46, XX, t(1;14;10). Based on sufficient published data, we discussed and analyzed the genetic effect of complex translocation and general balanced translocation on phenotype and fertilization. The results show that general balanced translocation caused 3.57% low intelligence and multi-deformation while complex translocation caused 21.73% low intelligence and 17.39% multi-deformation respectively. These results suggest that there is a higher incidence of low intelligence and multi-deformation caused by complex translocation than that caused by general balanced translocation.

关键词 [复杂易位](#) [遗传效应](#) [表型](#) **Key words** [complex translocation](#) [hereditary effect](#) [phenotype](#)

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