

DNA修复酶系统的研究1. 紫外线诱发3H-TdR在着色性干皮病淋巴细胞中的非合成期掺入1)

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摘要 本文报告了用液体闪烁计数方法对5例华东地区的着色性干皮病病人外周血淋巴细胞进行DNA切除复功能的研究。结果发现, 这5例病人淋巴细胞中的DNA切除修复功能都有以下。作者提出了紫外线诱发淋巴细胞非合成期3H-TdR掺入指数的大小代表DNA切除修复功能的高低, 并根据实验结果与临床资料分析, 认为DNA修复的程度与着色性干皮病的病情进展可能存在着直接关系。这与Takebe (1978) 的结论是一致的。

关键词

分类号

Study of AND Repair Enzyme System1. Ultraviolet-Induced H-TdR Unscheduled Incorporation in Xeroderma Pigmentosum Lymphocytes

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Abstract

This paper presents the result of a study of ultraviolet-induced incorporation in the lymphocytes from 5 patients with xeroderma pigmentosum and from 3 normal individuals, by liquid scintillation counting method. The result shows that DNA excision repair capacity is defective in these patients. Among them 3 patients, excision repair capacity are approximately 50 per cent of individual, 1 patient is 15 per cent of normal individual and the other is below 5 per cent. It is pointed out that the size of lymphocytes unscheduled 3H-TdR incorporation index (LUI) can represent the degree of DNA repair capacity. On the basis of analysis of the clinical and laboratory data, it is suggested that there is a direct relationship between the clinical development of xeroderma pigmentosum and degree of the DNA repair capacity, which is compatible with Takebe's conclusion.

Key words

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