

论著

增殖细胞核抗原在碳酸锂对抗黄曲霉毒素B1 诱导大鼠肝癌过程中的表达及意义

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摘要 目的与方法:应用免疫组化法检测碳酸锂(Li₂CO₃) 对抗黄曲霉毒素B1 (AFB₁) 诱导Wistar 大鼠肝癌过程中增殖细胞核抗原(PCNA) 的表达及意义。结果:PCNA 在诱癌早期(实验第6 周) 即有表达,第9、10 周显著升高, 差异有显著性(P < 0. 01)。阳性对照组(B 组) PCNA 阳性率最高,碳酸锂同时给药组(C 组) 及先期给药组(D 组) 阳性率显著降低,C 组阳性率略高于D组。结论:碳酸锂明显对抗AFB₁ 诱导肝癌过程中PCNA 的表达,通过抑制细胞增殖从而起到抗癌作用; PCNA 的免疫组化检查有助于肿瘤的早期发现和追踪观察。

关键词 [增殖细胞核抗原](#) [碳酸锂](#) [黄曲霉毒素B1](#) [实验性肝癌](#) [Wistar 大鼠](#)

EXPRESSION AND SIGNIFICANCE OF PROLIFERATING CELL NUCLEAR ANTIGEN IN RESISTANCE OF LITHIUM CARBONATE TO AFLATOXIN B1-INDUCED HEPATOCARCINOGENESIS IN RATS

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Abstract Purpose and Methods : Using immunohistochemical assay , the expression and significance of proliferating cell nuclear antigen (PCNA) were studied in aflatoxin B1 hepatocarcinogenesis of Wistar rats treated with lithium carbonate (Li₂CO₃) . **Results :** The expression of PCNA occurred in the early stage of carcinogenesis and significantly increased at week 9 or 10. The positive rate of positive control group (B) was highest and that of group treated simultaneously (C) and group pretreated with Li₂CO₃ (D) significantly decreased , but group C was higher than group D. **Conclusion :** It suggested that Li₂CO₃ has the effect on anti-expression of PCNA in aflatoxin B1-induced hepatic carcinoma of the rat and can restrain cell proliferation ,and that the immunohisto-chemical assay of PCNA may help early diagnosis and monitoring.

Keywords [proliferating cell nuclear antigen](#) [lithium carbonate](#) [aflatoxin B1](#) [hepatic carcinoma](#) [Wistar rat](#)

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