

论著

经络调理胶囊抗突变作用的研究

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摘要 本文应用小鼠骨髓细胞微核和人淋巴细胞体外核异常测试法,以CP和 γ -线为诱变因子,研究了经络调理胶囊的遗传毒性和抗突变效应。结果表明:①对放射人淋巴细胞MN形成无明显影响,但可极显著地拮抗 γ -射线诱发的MN形成,使之接近对照组MN水平。②小鼠体内给药时,对骨髓PCE细胞的生成及MNF无明显影响,但可极显著地抑制CP诱发的MN形成。结合文献,作者认为芝提取物可望应用于临床,有助于减轻肿瘤放化疗反应。

关键词 [经络调理胶囊](#) [微核](#) [\$\gamma\$ -射线](#) [环磷酰胺](#) [小鼠骨髓细胞](#)

STUDY ON ANTIMUTAGENIC OF CHANNEL MODULATING CAPSULE

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Abstract The mutagenic and antimutagenic effects of channel modulating capsule (CMCA) were studied with micronucleus test in bone marrow cells of mice (in vivo) and in the lymphocytes of human blood(in vitro) . The main results are as follows ①10 - 50 μ g/ ml CMCA did not induce micronucleus formation in lymphocytes in vitro. 10 - 50 μ g/ ml CMCA inhibited induced micronucleus formation by γ rays significantly. ②No significant effect of 10 - 50mg/ kg body weight (B.W.) on MNF in polychromatic erythrocytes (PCE) of mice was found. 10 - 50mg/ kg B. W. CMCA suppressed significantly cyclophosphamide (CP)induce micronucleus formation in PCEs of mice. These results suggested that CMCA could be used in tumor clinic to reduce side effects of radio - and chemotherapy.

Keywords [Channel modulating capsule \(CMCA\)](#) , [Micronucleus](#) , [\$\gamma\$ ray](#) , [Cyclophosphamide \(CP\)](#) , [Bone marrow cells of mice](#)

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