

论著

姜黄水提液抗氧化与抑瘤作用的初步研究

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摘要 背景与目的: 观察姜黄水提液对荷H22肝癌小鼠实体瘤的抑制作用及其对荷瘤鼠体内抗氧化能力的影响。材料与方法: 建立移植性H22肝癌小鼠实体瘤的模型, 灌胃给药, 观察姜黄水提液及纯姜黄素给药后各处理组小鼠实体瘤重, 肝重, 脾重以及GSH、SOD的变化情况。结果: 纯姜黄素组抑瘤率为37.97%, 姜黄水提液各剂量组未见抑瘤作用。姜黄水提液与纯姜黄素均使荷瘤鼠体内GSH和SOD水平升高, 两者效果相似。结论: 中药姜黄水提液对H22肝癌小鼠实体瘤抑制作用不明显; 但是姜黄水提液和纯姜黄素均能提高实验小鼠体内的GSH和SOD的水平, 有良好的提高体内抗氧化能力作用。

关键词 [姜黄](#); [H22](#); [抗肿瘤](#); [抗氧化](#)

Preliminary Study on Antioxidative and Antitumor Effect of Curcuma Longa L Fluid on H22 Tumorigenic Mouse

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Abstract **BACKGROUND & AIM:** To study the antioxidative and antitumor effects of Curcuma longa L decoction on H22 tumorigenic mouse. **MATERIAL AND METHODS:** The H22 tumorigenic mice were oral administrated with the decoction with 24 g/kg, 12 g/kg and 6 g/kg curcuma longa L respectively for 8 days. Weight of tumor, both GSH and SOD activities of animal blood were determined. **RESULTS:** Inhibition of tumor growth was found for curcuma longa L decoction. But curcuma longa L decoction could significantly increase the levels of GSH and SOD on H22 tumorigenic mice blood. **CONCLUSION:** In this investigation, Curcuma longa L decoction has no obvious antitumor effect, but has antioxidative effect on H22 tumorigenic mice.

Keywords [Curcuma longa L](#) [H22](#) [antitumor](#) [antioxidant](#)

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