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Traditional Chinese medicine blocks colorectal tumor growth in mice

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Video Byte

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Abstract

A new study reports the benefits of the traditional Chinese medicine YYFZBJS against colorectal cancer in mice. YYFZBJS is a three-part blend containing Yi-Yi-Ren, or Job's tears seed, Fu-Zi, or monkshood, and Bai-Jiang-Cao, or patrinia. YYFZBJS has been used for nearly 1000 years to treat gastrointestinal orders. To test its effect against colorectal cancer. researchers delivered YYFZBJS to mice by fecal microbiota transplantation from humans. Mice were fed stool samples from volunteers consuming YYFZBJS or from control donors. Experiments showed that YYFZBJS treatment reduced colon and intestinal tumors. This effect could be due to alterations to the colon microbiome triggered by YYFZBJS. These modifications could regulate the activity of regulatory T cells, which directly affect colorectal cancer cell dynamics. In-depth studies are needed to confirm YYFZBJS's mechanism of action and its potential to help patients with colorectal cancer.