

COMPARISON OF ALOE VERA TO OTHER DRUGS FOR TOXICITY

The Effects of Prednisolone, Indomethacin, and Aloe Vera Gel on Tissue Culture Cells.

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"Prednisolone and Aloe Vera gel have been used to reduce the symptoms and promote healing of inflammatory lesions of the oral cavity. . . . Most of the reports evaluating these agents have been concerned with clinical and animal experiments. Since several investigators have been able to demonstrate stimulation or retardation of growth of cells in tissue culture by certain therapeutic agents, we decided to investigate the effects of prednisolone, indomethacin, and Aloe Vera gel on tissue culture cells. . . .

"Actively growing monolayer cultures of HeLa cells and rabbit kidney fibroblasts were exposed to various concentrations of the three test agents. Toxicity of the test agents was estimated by counting the number of viable cells remaining at the end of three different time intervals. Results suggest that prednisolone was more toxic to rabbit kidney cells and less toxic to HeLa Cells than indomethacin and THAT ALOE VERA GEL WAS LESS TOXIC TO BOTH TYPES OF CELLS THAN PREDNISOLONE."