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*A Holistic Approach in a Cancer Cell Model*

The purpose of this project was to determine if two natural treatments which are chlorella and 16-complex mushroom supplement, can prevent brain cancers. The researcher used *Saccharomyces cerevisiae* as a cancer cell model for this experiment. The researcher believed that the yeast exposed to the mushroom complex will show the least amount of proliferation of cells and that chlorella supplement will show more proliferation of cells compared to the mushroom complex; however the researcher believed that it will show less proliferation when compared to the control group. For the researcher procedure YEPAD agar was made in the laboratory and agar plates were poured. One chlorella pill and one pill of the 16-complex mushroom supplement was crushed to powder and mixed with 240 ml of distilled water. The dilutions were exposed to the yeast cells and incubated and a serial dilution of each as well as a control group was conducted. The yeast colonies were counted on a colony counter and recorded. The two natural treatments did not kill all of the yeast cells but it dramatically decreased the amount of those cells. This research shows potential for alternative treatments other than harsh chemicals and radiation to treat cancer growth. Mushroom complex and chlorella were both really effective in decreasing yeast growth, mushroom presented better results than the chlorella treatment.