

**Carlos Nunez**

Junior Division Mathematics & Computer Sciences

*THE POWER WITHIN: Conventional vs Non-Conventional Cancer Treatment*

The purpose of this experiment is to determine whether the more commonly used conventional treatments of cancer, such as chemotherapy, are as effective as they should be, or if other treatments, like immunotherapy (utilizing the immune system) or herbal remedies (herbs ground and mixed to form an elixir) are more effective, based on statistics. The first step was to gather research and statistics on several conventional and non-conventional treatments. Also researched the basic immune response to fight cancer. The next step was to highlight and go over the pros and cons of each treatment. The third step was to evaluate, using the data gathered, the overall quality, effectiveness, and survival rate for each therapy. The final step was to draw conclusions, and decide, based on these conclusions, which of the two types appeared to be more promising. Some of the data gathered is shown here: Joseph M. Issels, M.D., Reported that, out of 370 people who received Issels treatment, 57% remained healthy without recurrence. Issels can reduce the chance of relapse from 50% to 13% when combined with other treatments. John Anderson, M.D., reported that, out of 570 patients, 17% survived after only conventional methods. Currently there is inadequate statistical information related to the survival rate for non-conventional treatments, however, utilizing the body's natural ability to kill cancerous cells as well as statistics on this matter should be an area of scientific focus in the future. Based on the available statistical information, the conclusion has been made that non-conventional treatments are ultimately more effective.