

Sugar consumption releases levels of serotonin and dopamine comparable to opioids and the effects they induce, specifically in a period of abstinence. This experiment observes the relationship between sugar and serotonin intake and the withdrawal behavior utilizing mice. Mice were fed diets enriched with sugar or serotonin for 2 weeks, then given plain mouse chow and observed for behaviors associated with withdrawal. It was hypothesized that the two test groups would share similar withdrawal behavior.