

Consulting Memo

Carolyn Clayton

Wednesday, February 25, 2015

Dear Sir:

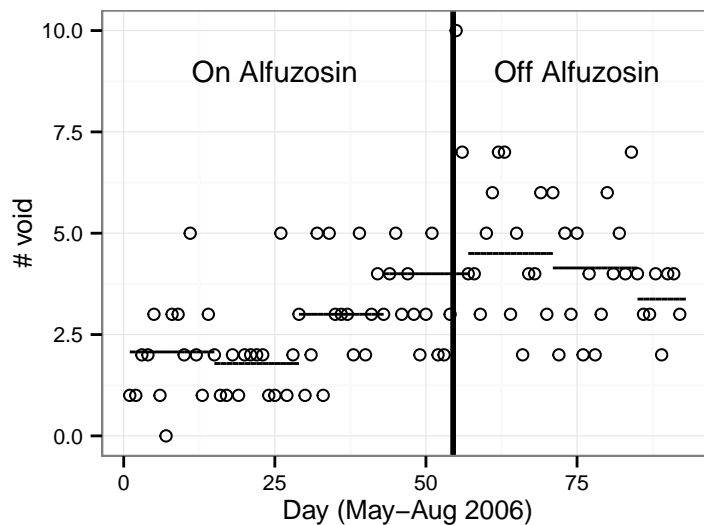
Below is a summary of nightly urinations on Alfuzosin and off Alfuzosin:

Table 1: Nightly Urinations On and Off Alfuzosin

Drug	mean	sd
Alfuzosin	2.500	1.314
AfterAlfuzosin	4.342	1.775

In the analysis of the data, an F test was run to compare the variances of the two groups. This was determined to be significant, $F(53, 37) = 0.548$, $p = 0.044$, 95% CI(0.295, 0.984); therefore a t-test for unequal variances was conducted. The result of this t-test was that there is a significant difference in average nightly urinations between nights on Alfuzosin and off Alfuzosin, $t(64.36) = -5.435$, $p < 0.001$, 95% CI(-2.519, -1.165). The mean nightly urinations on Alfuzosin was 2.5 (SD = 1.314), while the nightly urinations off Alfuzosin was 4.342 (SD = 1.775).

We have also plotted the nightly urinations over time, and have taken fortnightly means (as depicted in the graph below):



Plot 1: Nightly Urinations with Fortnightly Means

Given these results, we would conclude that alfuzosin may be efficacious for you; however, there was a reduction in nightly urinations immediately prior to switching to Alfuzosin. Whether the reduction in night time urinations on Alfuzosin is sufficient to warrant the potential side effects is left up to your discretion.

Warmly,
Carolyn