

Endocrine disturbances in induced Fenvalerate toxicity in rats and its amelioration with *Withania somnifera*

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Abstract

The present study was carried out to investigate endocrine disturbances in female rats with 20% EC fenvalerate. Significant ($P < 0.05$) decrease in T3, T4 and E2 levels in all fenvalerate treated groups when compared to control groups. In between groups significant variation was observed. Significant improvement was observed only in lower dose levels of toxin with ameliorating agent.

Keywords: Endocrine, Toxicity, Fenvalerate, Wistar Rat, Amelioration.