Acid phosphatase activity of the duodenal mucosa during amphetamine addiction and alcohol abuse

El-Baih, Zainab M. Amer, Mahmoud A. Atteya, Muna A.

The Egyptian Journal of Histology (Print)

1998 v21 n2

This study showed that after one week of dexamphetamine sulfate treatment, an increase in the number of lysosomes and acid phosphatase activity was achieved in the guinea pig duodenal epithelium. However, a gradual shift in the enzyme activity occurred parallel to the treatment period up to six weeks. Ethyl alcohol also increased the enzyme activity after one week of treatment, then the administration for more than one week gradually decreased the acid phosphatase activity and the number of lysosomal particles.