

المخلص: اوضحت نتائج الدراسة ان الحقن اليومي بعقار الديكسامفيتامين سلفات بجرعة مقدارها 1.75 مجم\ 100 جم من وزن الجسم قد احدث زيادة ملحوظة في تركيز العديد من الاحماض الامينية اثناء فترات التعاطي وقد اعقب ذلك انخفاض مستوياتها بعد التوقف عن الحقن كما اوضحت النتائج وجود انخفاض ذو دلالة احصائية كبيرة في نشاط الانزيمات وكذلك حدوث نقص في المحتوي البروتيني

The effect of dexamphetamine sulphate as a CNS stimulant drug on the levels of some excitatory and inhibitory amino acids on brain tissue of albino rat was studied. The study also includes the determination of the activity of some enzymes (GOT and GPT) and the total protein content of brain tissue. It was found that the daily injection of dexamphetamine sulphate at a dose level of 0.175 mg/100 g body weight produced a marked increase in the concentration of brain glutamine, aspartic acid, asparagine, GABA, glycine, alanine and taurine at most of the tested periods, however, glutamic acid fluctuated between insignificant decrease and increase. After stopping the injection, a general decrease in the concentration of all the studied amino acids was recorded