

## **Efficacy of Indigenous Anti-diabetic drug (Mingalar) on albino rats.**

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In this experimental study, the indigenous anti-hyperglycaemic drug (Mingalar) was tested for its acute hypoglycaemic activity in adrenaline induced hyperglycemic rats. Total 24 numbers of albino rats were divided into three test groups and two control group. It was examined after single oral administration of tested drug at dosage of 6g/kg and 8g/kg body weight, standard drug (Glibenclamide) 0.5mg/kg and distilled water 4ml/kg on rats. According to the results, the mean fasting blood sugar levels of neither test group 1 nor test group 2 had the acute hypoglycaemic activity against the hyperglycaemic response to adrenaline. There was no significant reduction of fasting blood sugar levels of both test groups compared with positive control group in this current study. This study indicated that a significant acute anti-hyperglycemic activity was not detected up to 8 g/kg body weight dosage level on albino rats. So, further study is needed to show the delayed action of this drug on blood sugar level and to identify the mechanisms of actions of this drug.