

Effect of *Cassia auriculata* Linn on blood glucose in hyperglycemic albino rats

Khin Moe Aung, Tin Tin Thein, Nann Aye Sandar Htun, Hein Myo Htet, Aung Kyaw Kyaw, Saw Myat Thwe, Ei Ei Htway, Myint Myint Khaing, Thet Thet Aung, (2008)

Abstract

Traditional herbal medicines are widely used to treat Diabetes Mellitus, yet very few have been clinically evaluated. In this experimental study, it was examined after single oral administration of aqueous extract of *Cassia auriculata* at dosage of 100mg/kg, 200mg/kg and 400mg/kg body weight, standard drug (Glibenclamide) 0.5mg/kg and distilled water 4ml/kg on rats and eight numbers of rats on each test group. The hypoglycaemic effect of aqueous extract of *Cassia auriculata* was studied and found to be no effective on albino rats. According to the results, the mean blood sugar levels of all test groups had no hypoglycaemic activity against the hyperglycaemic response to adrenaline. There was no significant reduction of fasting blood sugar levels of all test groups compared with control group in this current study ($p > 0.05$).