

## **Study on the efficacy of indigenous anti-diabetic drug (Nanthar Ni) on albino rats Diabetes**

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### **Summary**

To find out the efficacy of indigenous anti-diabetes drug sold at the market on rats, a laboratory based comparative study was done. A total 24 male and female rats were selected and separated into 4 groups. All were induced hyperglycemia by injecting adrenaline subcutaneously. After 18 hour fasting, blood sugar level was measured in each group. In group 1 and 2, antidiabetes indigenous fine powder was given 3g/kg and 4.5g/kg body weight respectively. In group 3 and 4, the rats were given by Glibenclamide drug 600mcg/kg and distill water 0.02 ml/kg respectively. Then fasting blood sugar level was measured 1,2,3,4 hours after administration of drugs by using tail-cut blood with glucometer. A significant reduction in blood sugar level of traditional medicine treated groups comparison to control groups was observed. So this drug has a promising reducing effect on the blood glucose level in diabetic rats.