Study of the diuretic activity in aqueous extract of roots of *Anacyclus pyrethrum* in albino Wistar rats

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**Objective:** The aim of the study is to evaluate the diuretic activity of aqueous extract of roots of *Anacyclus pyrethrum*.

**Methodology:** Albino Wistar rats weighing 200-250 gm of either sex were randomly selected from Central animal facility, JSS Medical College, Mysore. They were divided into 3 groups of 6 rats each (n=6). The animals were fasted overnight. Next day group-1 which is control-received normal saline (25 ml/kg p.o.), group-2 which is standard-Furosemide 20 mg/kg body weight, group-3 which is test received 100 mg/p.o., aqueous extract of roots of *Anacyclus Pyrethrum*. The experiment was carried out in a diuretic cage. The results were analyzed by One Way Analysis of Variance (ANOVA). There was a significant diuretic activity compared to that of control. P value of less than 0.05 was considered significant.

**Results:** There was significant increase in urine volume by the aqueous extract of roots of *Anacyclus Pyrethrum* when compared to the control group, while the excretion of urinary electrolyte concentration revealed diluted urine in the test group signifying the diuretic activity of the extract.

**Conclusion:** Aqueous extract of Anacylus pyrethrum have a significant diuretic activity in Albino Wistar rats. Further tests are to isolate the active principles responsible for the activity suggested and also required to evaluate diuretic property in human subjects.

**Biography**
Divya Reddy K has completed her MBBS from Mahadevappa Rampure Medical College, Gulbarga. Presently she is pursuing her Post-graduation course in Pharmacology at JSS Medical College, Mysore. Her dissertation work is on “Herbal plant for its anti-cancer activity on lung cancer cell lines (In vitro study)”. She has given a poster presentation at Carcinogenesis 2015-Mumbai on EAC cell lines and she has 2 publications to her credit.

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