

Evaluation of Siddha Drug Gowri Chinthamani Chendhooram for its toxicological activities in Swiss Albino Mice

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ABSTRACT

The aim of the present study was to evaluate the acute and sub-acute toxicity of *Gowri Chinthamani Chendhooram*. Acute toxicity studies were carried out according to the OECD guidelines 423. Healthy female Wistar mice of 25-30g were selected for oral administration of single doses of *Gowri Chinthamani Chendhooram* was done aseptically by suspending in 1% SCMC (Sodium Carboxy Methyl Cellulose). The sub-acute toxicity studies were carried out according to the OECD guidelines 407 and mice were divided into 2 groups of 10 animals each. *Gowri Chinthamani Chendhooram* was administered to mice at the dose of 30 & 60 mg/kg/day for 28 days. The toxic symptoms such as signs of toxicity, mortality and body weight changes were monitored. The mice were anesthetized with ether at the end of the treatment period and the blood samples were collected from the retro-orbital plexus. The animal is sacrificed after the blood collection. Finally the haematological, biochemical parameters, and the histopathological examinations were conducted. Thus the repeated oral doses of *Gowri Chinthamani Chendhooram*, experienced no significant changes in general behavior and hematological and biochemical parameters. No significant changes were observed in organ weights, and histopathological results showed normal profile suggesting no morphological alterations. Collectively, the results indicate that formulation is non-toxic when given orally.