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**Original article**

**Evaluation of analgesic activity of Dashamoola formulation by using experimental models of pain**

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**Abstract:**

**Objectives:** The study was done to evaluate the analgesic activity of Dashamoola formulation by using Hot plate model in mice, Tail clip model in mice, Tail immersion model in rats.

**Methods:** The experimental study was carried out in mice of either sex weighing between 20-25 g and rats of either sex weighing between 170-250g. According to Ayurveda, Dashamoolarishtha is administered on full stomach. The animals were fed by Dashamoolarishtha only on full stomach. The doses of which were computed from the doses documented in the Ayurvedic and standard textbooks. Commercially available preparation of Dashamoolarishta was used in group compared with vehicle control (Distilled Water), Pentazocine, Dashamoolarishtha 1(D1) [Low Dose], Dashamoolarishtha 2(D2) [High Dose] by using Hot plate method, Haffner’s tail clip method in mice and Tail immersion test.

**Results:** The present study has shown that Dashamoolarishta an Ayurvedic multi-ingredient formulation can be used as an analgesic.

**Conclusion:** Administration of Dashamoolarishtha significantly showed analgesic activity in 3 different models of pain which are centrally induced. This study demonstrates that Dashamoolarishtha in low and high dose was found to normalize pain.

**Keywords:** Dashamoolarishtha, Pentazocine, NSAIDs