

Evaluation of Anti-arthritic activity of *Tamarix gallica* using rats

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Objective : Evaluation of Anti-arthritis activity of *Tamarix gallica* using rats

Procedure: Arthritis induced by a single injection (0.1 ml) of Complete Freund's adjuvant (CFA) into sub plantar region of left hind paw of rats. Six groups were taken & six animals were taken in each groups. From 1st day to 21st day group 3(standard) received prednisolone 10mg/kg& group 4, 5, 6 (test) received methanolic ext. of *T.gallica* 100mg/kg, 200mg/kg, 300mg/kg respectively. Paw volume & body wt. were measured periodically. On 22nd day blood was collected by retro orbital vein puncture and haematological & serological parameters were analysed.

Result & Discussion: Methanolic ext. of *Tamarix gallica* showed significantly increased in RBC, HB, Body wt. and decreased in Paw vol., WBC, ESR, C-RP, Alkaline phosphatase, Rheumatoid Factor

Conclusio: Methanolic ext. of *T.gallica* showed significantly anti arthritic activity which is associated with anti-inflammtory, anti-nociceptive & antioxidant property.

Keyword: Arthritis, CFA, *T.gallica*