

**EVALUATION OF ANTI ARTHRITIC ACTIVITY OF *SOLANUM NIGRUM*
IN COMPLETE FREUND'S ADJUVANT INDUCED RHEUMATOID
ARTHRITIS**

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ABSTRACT

OBJECTIVE: Evaluation of Anti arthritic activity of *Solanum nigrum* in complete Freund's adjuvant induced arthritis model in rats.

MATERIALS AND METHODS: Arthritis was induced in wistar albino rats by a single sub plantar injection of Complete Freund's Adjuvant (CFA) into the left footpad. Rats were treated with prednisolone (10 mg/kg, p.o.) and *Solanum nigrum* (200, 400, 600 mg/kg, p.o.) from day 0 to 20. The effects of *Solanum nigrum* was evaluated by change in paw volume, body weight, detection of serum rheumatoid factor (RF), serum C-reactive protein level, Alkaline phosphatase, haematological parameter, SGOT and SGPT level.

Results: Results showed that *Solanum nigrum* significantly reduced paw volume, body weight, rheumatoid factor, C-reactive protein level, alkaline phosphatase, WBC count, SGOT and SGPT level.

CONCLUSION: The present results provide clear evidence that the methanolic extract of *Solanum nigrum* treatment gives anti-arthritic effect in complete Freund's adjuvant induced rheumatoid arthritis.