J Cont Med A Dent. September-December 2015;3(3):44-47.

# Comparative Study of Analgesic Effect of Moringa Oleifera with Lornoxicam in Rats

**Bhairi, RS; Rasheeduddin, M; Nadithe, LR;**

*Dr. B Ravi Shankar, Senior Resident, Dept of Pharmacology, Rajiv Gandhi Institute of Medical Sciences (RIMS) Adilabad. Telangana State. Mobile No: +919963927198. Email Id: doctorbhairi@gmail.com*

http://dx.doi.org/10.18049/jcmad/339a10

## Abstract

**Background**: Moringa Oleifera is widely found in Asian subcontinent and it has been used as an analgesic and anti-inflammatory in Indian folk medicine. This study tries to compare the analgesic effects of Moringa Oleifera Aqueous extracts with standard drug Lornoxicam in Wister Male albino Rats using Digital Analgesiometer. **Methods**: Wister albino rats were divided into 5 groups containing placebo (saline) Lornoxicam and 3 groups of Moringa Oleifera using 12.5mg/Kg, 25mg/Kg and 50mg/kg dosages. **Results**: Moringa Oleifera 50mg/Kg produced significant antinoceptive action by enhancing tail-flick latency period (8.17 ± 0.41, 9 ± 0.63, 10.67 ± 0.82) at 30 min, 60 min and 120 min as compared to 6.67± 0.52 time recorded at zero minute period and Moringa Oelifera (25mg/Kg i.p) produced significant antinocipetive action by enhancing tail-flick latency period ( 8.5 ± 0.55, 9.5 ± 0.55, 10.84 ± 0.98) at 30 min, 60 min and 120 min respectively in comparison with ( 6.67 ± 0.51) at 0 minute. The Standard Drug Lornoxicam increased the latency period of tail-flick response (10.5 ± 0.54, 13.17 ± 0.75, 15.34 ± 0.52) at 30min, 60min and 120 min as compared to zero minute response of (6.8 ± 0.41). **Conclusion**: Aqueous extracts of Moringa Oleifera leaves exhibits significant antinociceptive activity by Tail-flick Latency model. However the amount of antinociceptive action produced was lesser as compared to standard drugs like Lornoxicam.