

6-1-2017

Evaluation of anti-inflammatory activity of hyoscine in albinowistar rats

Suresha R N

Department of Pharmacology, JSS Medical College, SS Nagar, Mysuru-1, drnagmafirdose@gmail.com

Nagma Firdose

Department of Pharmacology, JSS Medical College, SS Nagar, Mysuru-1, drnagmafirdose@gmail.com

Follow this and additional works at: <https://impressions.manipal.edu/mjms>



Part of the [Medicine and Health Sciences Commons](#)

Recommended Citation

R N, Suresha and Firdose, Nagma (2017) "Evaluation of anti-inflammatory activity of hyoscine in albinowistar rats," *Manipal Journal of Medical Sciences*: Vol. 2 : Iss. 1 , Article 7.

Available at: <https://impressions.manipal.edu/mjms/vol2/iss1/7>

This Article is brought to you for free and open access by the MAHE Journals at Impressions@MAHE. It has been accepted for inclusion in Manipal Journal of Medical Sciences by an authorized editor of Impressions@MAHE. For more information, please contact impressions@manipal.edu.

Evaluation of anti-inflammatory activity of hyoscine in *albinowistar* rats

Suresha R N, Nagma Firdose*

Email: drnagmafirdose@gmail.com

Abstract

Objective: 1) To evaluate the anti-inflammatory (AI) potential of hyoscine 2) To compare it with indomethacin in acute/sub-acute animal model **Method/Methodology:** Fully grown albinowistar rats which weighed 150-200 grams were divided into three groups of six animals each. The control, standard, and test constituted different groups and had received normal saline 5ml/kg of body weight, indomethacin 10 mg/kg of body weight and hyoscine 9 mg/kg of body weight, respectively. Acute/sub-acute AI activity was assessed through Carrageenan Induced Paw Oedema (CIRPEM), and Cotton Pellet Induced Granuloma Model (CPIGM), respectively. **Results:** In CIRPEM, the percentage of inhibition of the paw oedema, which signifies anti-inflammatory activity, by indomethacin and hyoscine with regard to control were 50.5% and 30.8% and the test group was 61% of the standard group. Whereas in CPIGM, the percentage of the inhibition of granuloma formation with regard to control by standard and test were 48.7% and 39.1%, respectively, and the test group was 80.3% of standard/indomethacin group. **Conclusion:** Hyoscine showed considerably good AI in acute/ sub-acute AI models.

Key words: Hyoscine, Anti-inflammatory (AI) potential, acute/sub-acute inflammation

Suresha R N

Professor of Pharmacology, JSS Medical College, Mysuru-15,
Department of Pharmacology, JSS Medical College, SS Nagar,
Mysuru-1

Nagma Firdose

Post graduate, Department of Pharmacology, JSS Medical
College, Mysuru-15.

*Corresponding Author

How to cite this article: R N Suresha, Firdose N. CT Evaluation of anti-inflammatory activity of hyoscine in *albinowistar* rats
MJMS. 2017; 2(1): 25-28.