

**AN EXPERIMENTAL EVALUATION OF EFFECT OF *SARPA NIRMOKA*
MASI ON *VRANA***



Dissertation submitted as partial fulfillment for the degree of

AYURVEDA DHANVANTRI

[Master of Surgery - Ayurveda]

Specialty – Shalya Tantra

Scholar

KRISHNADEV C.P.

Under the supervision of

Guide

DR. VIVEKANAND KULLOLLI

M.S. (Ayu.)

Professor

Department of Shalya Tantra

Co-Guide

VASHISTH. P. BHAVSAR

M. Pharm (pharmacology)

Asst. Professor,

Dept. of Pharmacology

Department of Shalya Tantra

Parul Institute of Ayurveda

Parul University, Limda, Vadodara

Gujarat – 391760 (India).

May– 2020

Enrollment No. 170202213009

ABSTRACT

**TITLE AN EXPERIMENTAL EVALUATION OF EFFECT OF *SARPA NIRMOKA*
*MASI ON VRANA***

NAME OF STUDENT

Dr. Krishnadev C.P.

NAME OF GUIDE, DESIGNATION

Dr. Vive anand ulloli,

M.S. (Ayu), Professor,

Department of Shalya Tantra,

Parul Institute of Ayurved,

Parul University,

Limda, Vadodara, Gujarat

NAME OF CO-GUIDE, DESIGNATION

Mr. Vashisth.P. Bhavsar,

M.Pharm (Pharmacology),

Assistant professor,

Department of pharmacy,

Parul institute of pharmacy,

Parul University,

Limda, Vadodara, Gujarat

NAME OF DEPARTMENT

Shalya Tantra

INTRODUCTION In the present day scenario healing of wound has become a nightmare for both surgeon and sufferer. Even though many methods have been mentioned in the classics regarding the matter but lacks feasibility in present times hence, a more efficient drug have been selected from the classics which is not widely used due to the procurement

of its raw materials and modified to a form which makes it more efficient in less doses and a pre-clinical study was conducted to revalidate its efficacy in the new dosage form.

AIM AND OBJECTIVES

- To evaluate the wound healing potentials of *Sarpa Nirmoka Masi* on *Vrana* by means of experimental study.
- To evaluate the pharmacological action of *Sarpa Nirmoka Masi*.
- To assess the cost effectiveness of *Sarpa Nirmoka Masi*.
- To evaluate the effect of *Sarpa Nirmoka Masi* in different types of wound.

METHODOLOGY

DESIGN Open single arm experimental study

SETTING Animal house attached to the Parul institute of pharmacy

SELECTION A total of 8 adult healthy male wistar rats of 08-10 weeks old age were selected. The rat body weight was in the range of 260 to 290 gms.

GROUPING Total 8 Animals were procured for this study, which were divided consisting of 2 animals in each group (NORMAL, CONTROL, STANDARD, TRIAL-SHUDHA VRANA & DUSTA VRANA)

PROCEDURE A full thickness of the excision wound of approximate area of 700 sq.mm and 2mm depth were created along the markings with a surgical blade in control, standard and Trial groups

INTERVENTION

Normal group Not made any wound

Control group Wounds were left for natural healing without any medications

Standard group Wounds were treated with 5% povidone-iodine ointment

Trial group (oth *Shudha Vrana* and *Dusta Vrana*) : Wounds were treated with *Sarpa Nirmoka Masi* Film

OBSERVATIONS RESULTS The days it took for the healthy granulation and epithelization to appear were 10 days in *Shudha Vrana* and 18 days on *Dusta Vrana* respectively. Where as it took 24 days in both Control and Standard groups. At the end of study *Shudha Vrana* and *Dusta Vrana* samples showed complete healing of wound on 14th and 18th day respectively. Where as it took Control and Standard groups 28 and 30 days.

CONCLUSION *Sarpa Nirmoka Masi Film* is effective in healing of *Shudha Vrana* and *Dushta Vrana*.