

CONCEPTUAL STUDY ON ROLE OF HONEY IN WOUND HEALING

**Dr. Archana Maan^{*1}, {M.S. Shalya} and Dr. Vikash Kaushik², {M.D. Scholar
Kaumarbrihtya}**

India.

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***Corresponding Author**

Dr. Archana Maan

India.

INTRODUCTION

Honey is a sweet, viscous food substance produced by bees and some related insects. It has attractive chemical properties for baking and a distinctive flavor when use as a sweetener. Most microorganisms donot grow in honey, so sealed honey doesnt spoil, even after thousand of years.

Since ancient times, Honey has been known for its nutritive and therapeutic values. The global production of honey is approximately

1.20milliontons per annum. China, Turkey, Argentina, Ukraine, Mexico and United states are the main producers of honey.

Honey plays an important role as an anti-oxidant, anti-inflammatory, anti-bacterial agent andwound healing process. The role of Honey has been acknowledged in the scientific and Ayurvedic literature and there is convincing evidence in support of its antioxidant and anti-bacterial nature and wound healing properties.

The average pH of Honey is 3.9, but can range from 3.4 to 6.1. Components of honey under preliminary research for their potential antibacterial properties include methylglyoxal, hydrogen peroxide and royalisin.

Aim

To study the healing effect of Honey in wound.

H0 – will be effective in wound healing.

H1- will not effective in wound healing.

Inclusion Criteria

- Irrespective of age.

- Includes both male and female.

Exclusion Criteria

- Infected wound.
- Venous ulcers.

MATERIAL AND METHODS

Patients will be selected on the basis of criteria given.

Patients

Assessment criteria:- Slough, Bleeding {by grading 0,1,2,3} and granulation {by grading 0 and 1}.

Study Design

- A) Open clinical trial proforma.
- B) Special proforma of case paper will be de-signed.

Procedure

First of all examing the wound carefully.

Then cleaning of wound will be done with normal saline.

After that with the help of a dry guaze piece make the wound dry.

And then apply honey with the help of finger of spatula {not more /less in quantity}.

Put a dry guaze piece over it and then apply bandging over it.

Make sure that dressing will be done regulary upto wound healing.

RESULT

On the basis of patients outcomes.

DISCUSSION

On the basis of results and statistical data.

CONCLUSION

On the basis of result and discuusion.

Mode of action of Honey in wound healing**Ayurvedic concept**

- Honey have Madhur in rasa, Kasaya in anurasa, Ruksha, Sheet, Agnidipak, Lekhan and also have Doshasansodak properties.
- Due to its Laghu property it helps in treating Kapha dosha.
- While due to Pichil, Madhur and Kasaya properties its helps in treating the diseases of Vata and Pitta dosha.

Modern concept

Honey contains Methylglyoxal, Hydrogen peroxide and Royalisin which has anti bacterial, antioxidant, antiseptic and anti -inflamattery properties.

As a result of which it helps in destroying the microorganisms /bacteria present in the wound, make the condition favourable for granulation of tissues and helps in rapid wound healing.

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