



Title: Use of *kshar varti* in de-sloughing of wound

Authors: Vilas Kedar¹ Vidya Dharne²

1. M.S. Scholar (*Kshar Karma Avum Anu Shastra Karma*)
2. M.S. Professor, Shalya Tantra Department,

Dr. G. D. Pol foundations YMT Ayurvedic Medical College,
Kharghar, Navi Mumbai, Maharashtra.

***Corresponding Author:** Mob:9594968208;email id-kedarclinic@gmail.com

Abstract:

Application of *Varti* in management of *Vrana* is well known and *Sushruta* has mentioned it *Shastiupkrama* in *Dwivaranachikitsaadhya*¹. *Kshar Varti chikitsa*² in *Vrana* is used for the *Shodhana* and *Ropana* as *Kshar* is also one variety of cauterization by using phytochemical substance. *Kshar* is used for *Sashodhana* of *Dushata Vrana* and *Ropana* of *Shudha Vrana*. It also used as the *Shoshana* of the *Vrana kleda*³ that is desloughing of wound. In this study done by using *Kshara Varti* for the desloughing of the wound as the slough delay wound healing and not allowing healthy granulation tissue to overcome. Use of *Kshara Varti* for three days shows removal of slough from wound and to grow healthy granulation tissue.

Keyword: *Kshar Varti, Vrana, Vrana Kleda.*

Introduction:

Slough is type of necrotic tissue. As name suggests, sloughy tissue is separating itself from the body the wound and is often stringy. Because most, if not all, of the sloughy tissue dead, it is often white, yellow or grey in colour⁴. When wounds contain a lot of sloughy tissue surgeon will likely recommend removing the tissue that is mainly disconnected, and then placing a *Kshara Varti* will help to remove slough allow wound to granulation. Post-operative wound healing is very important, slough cause delay in wound healing many allopathic solutions are available in market for desloughing wound to promote wound healing, being Ayurveda student potent ayurvedic desloughing agent should be tested.

Aims_and_Objects:

- To assess the efficacy of *Kshara Varti* in desloughing of wound
- To assess the any side effect during course of treatment
- To study preparation of *Kshara Varti* and its PH

MATERIAL AND METHOD

PREPARATION OF KSHARA VARTI

Kshara Varti prepared by using *Apamarga Kshara*, *Snuhi Kshira*, *Haridra churna*, mixed in such way mixture PH is in range of 8 to 8.5. in this mixture gauze piece soaked and dried in *Kshara Sutra* cabin under septic precaution then *Kshara Varti* are autoclaved and stored in glass container which is also autoclaved.

PROCEDURE

Wash the wound with normal saline then specially prepared *Kshara Varti* kept in


place of slough containing wound. A dry gauze placed on it and dressing done. *Varti* kept for 24 hr on next day slough is present or absent observed. This same procedure repeated till the slough disappears. Twenty cases of anorectal with delayed wound healing and containing slough in wound are studied.

SELECTION OF CASES

The cases were selected from the patient attending to ano-rectal opd of YMT Ayurvedic College Kharghar, Navi Mumbai.

OBSERVATION AND RESULT

1. THE ANALYSIS OF PATIENT IN RELATION TO SLOUGH PRESENT, ABSENT, DAY OF KSHARA VARTI.



| SLOUGH DAY ONE | PRESENT | | ABSENT | |
|-------------------|---------|----|--------|----|
| | NO | % | NO | % |
| | 17 | 85 | 3 | 15 |

2. THE ANALYSIS OF PATIENT IN RELATION TO SLOUGH PRESENT, ABSENT, DAY OF KSHARA VARTI.

| SLOUGH DAY TWO | PRESENT | | ABSENT | |
|-------------------|---------|----|--------|----|
| | NO | % | NO | % |
| | 10 | 50 | 7 | 35 |

3. THE ANALYSIS OF PATIENT IN RELATION TO SLOUGH PRESENT, ABSENT, DAY OF KSHAR VARTI.

| SLOUGH DAY THREE | PRESENT | | ABSENT | |
|------------------|---------|---|--------|----|
| | NO | % | NO | % |
| | 0 | 0 | 10 | 50 |

Observations:

OTHER CLINICAL OBSERVATION

- **PAIN:** It was observed that the degree of pain felt after *Kshar Varti* depend on present of slough in wound which is directly proportional to amount of slough.
- **DISCHARGE:** In all cases of treated with *Kshar Varti* discharge increased as compare to normal treatment.
- **INFLAMATION:** mild inflammation noted on healthy tissue of wound.

Every surgeon always has zeal of providing the best treatment to his patient with early post-operative wound healing, minimum pain and discomfort. As slough delays wound healing and discomfort by same. This was clearly proved in the study on day one after 24 hr of application of *Kshar Varti* out of 20 patients only three patient shows desloughing that is 15%. On day two after 48 hrs of application of *Kshar Varti* out of 20 patients only seven patient shows desloughing that is around

35%. On day three after 72 hrs of application of *Kshar Varti* out of 20 patients only ten patient shows desloughing that is around 50%. *Kshar Varti* also does mild pain as the slough decreases, pain is directly proportional to presence of slough. Discharge from wound is increased, mild inflammation noted on surrounding healthy wound tissue and also mild itching due to *Kshara*.

Conclusion:

The aim of present study was to evaluate the role of *Kshar Varti* in desloughing of wound in patients. on average desloughing done in one to three days and *Kshar Varti* act as potent desloughing agent.

FURTHER RESEARCH WORK

Works can be carried out to study the *Kshar Varti* action on wound at cellular level. 2. Further works can be done to standardize the *Kshar Varti*. 3. Clinical trials of the *Kshar Varti* on other different type of wounds with classification

References:

1. Dr. Ambikadutta Shastri, Sushruta Samhita Vol.-I, reprint, 2011, Varanasi, Chaukhambha Sanskrit Sansthan, p.no.10.
2. Acharya Sushruta, Sushruta Samhita, Dalhana. Nibandhasangraha commentary, Edited by Yadavji Trikamji Acharya and Naarayana Ram Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, Reprint 1994, p.no.40

3. Acharya Sushruta, Sushruta Samhita, Dalhana. Nibandhasangraha commentary, Edited byYadavji Trikamji Acharya and Naarayana Ram Acharya, Chaukhambha Sanskrit Sansthan,Varanasi, Reprint1994,p.no 316

4.Bailey & Love's Short Practice of Surgery, edited by Norman S. Williams, Christopher J.K.Bulstrode, P. Ronan O'Connell, Hodder Arnold publication, 24th Edition,wound , p.no.85.

Pictures7:

CASE 1



DAY 1



DAY 3



PLACING KSHAR VARTI

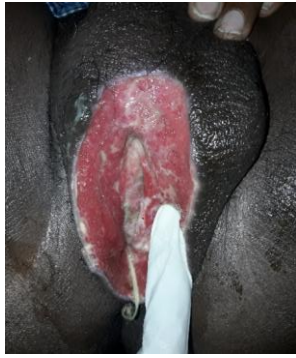


DAY 2



FINAL RESULT

CASE TWO



DAY 1



DAY: 2



DAY 3



FINAL RESULT



DAY: 1



**DAY: 2
CASE FOUR**



DAY:3



DAY: 1



**DAY: 2
CASE 6**



DAY:3



DAY 1



DAY 2



DAY 3

FINAL RESULT
CASE 6

DAY 1



DAY 2



DAY 3



DAY 1



DAY 2



DAY 3

Cite article:Use of *kshar varti* in de-sloughing of wound

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Ayurlog: National Journal of Research in Ayurved Science- 2018; (6)(4): 1-6