

A CASE STUDY OF DUSHTA VRANA (INFECTED WOUND) TREATED WITH  
JATYADI TAILA

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**ABSTRACT**

Wounds are one of the serious issues health care professionals are facing today. Resistant to antibiotics and other medications have resulted to be a cause for a wound to get infected. Also in today's busy life schedule one does not care of his minor injuries which eventually converts into a major hazard. Medical Science has developed a lot and definitely has saved lives of millions of people but this development does not seem to be helpful for the poor people who are not able to afford the expenses of such costly treatment. So unnecessary use of antibiotics (drug abuse) is a serious issue of prime concern. Today the world is moving back towards *Ayurveda* for their health related problems. In *Ayurveda* many formulations are present which are advocated to treat *Dushta Vrana* (infected wound) and many of them are being practiced today. *Jatyadi Tail* is one of these formulations popular for treating all types of wound. A case report of 80 year – old person, who presented with complaints of an open wound on the dorsal aspect of his left hand (from dorsum of palm to the elbow) associated with pain, discharge, slough, bad odour, edema, discoloration of the skin and with a history of one month has been discussed here.

**KEYWORDS:** *Dushta Vrana*, infected wound, *Jatyadi Taila*.

**INTRODUCTIONS**

The word *Dushta* refers to “*Vaikrit Bhava*”<sup>[1]</sup>, so the *Dushta Vrana* means the *Vrana* which is responsible to deform/ruin our body or part of it. The increasing fast life style, poverty & imbalanced ecosystem are the major cause for wound contamination and infection increasing day by day. In this modern age one hardly gets time to look after his personal health. All these factors play major role in converting a normal wound into a non healing or infected wound. *Dushta Vranas* are a frequently encountered problem of present era produced commonly as a complication of trauma or pathologic insult which worsens the condition of the patient causing long-term agony to the patient. It is a type of *Vrana*, if delayed may lead to long standing inflammation, pain, suppuration, gangrene and even may progress up to malignancy. The issue of *Dushta Vrana* management with *Ayurvedic* panacea is one of the major areas of research and has come under increased scrutiny. *Susrutha Samhita*, the available basic classic of *Shalya Tantra* has given superior position to *Vrana*. Sixty different treatment modalities are mentioned in *Vrana Chiktsa*.<sup>[2]</sup> Among *Shashti Upkramas*, local application of *Tail* has been mentioned in the management of *Vrana*.<sup>[3]</sup> No other diseases have such large number of treatment measures. *Jatyadi Taila* is one of the popular formulations used by *Ayurvedic* physicians in wound management.

**CASE REPORT**

A male patient, aged about 80 years, presented with an infected wound on dorsal aspect of his left hand since one month in the outdoor patient department (OPD) of *Shalya Tantra*, Apex Institute *Ayurvedic* medicine & hospital, Chunar, Mirzapur, Uttar pradesh, India. Patient was thoroughly examined locally as well as systematically. The local findings revealed a foul smelling wound, having fixed and whitish yellow slough area, size 12x3x.25 inch in dimension. All other laboratory findings were found to be within normal limits except Hb- 9gm%. There was no history of DM, TB, HTN or any other major ailments. Patient told that while working in his fields he got a nick with a sharp wood piece and it bled from the injured site but after putting pressure on it the bleeding stopped. In the next morning he developed swelling and pain in his hand. He consulted nearby govt. hospital and was admitted there. After few days he was discharged from the hospital with medicines in hand. Patient was still in agony, his condition was worsening with time and he developed a wound in his left hand with purulent pus discharge and pain. He again went to the same hospital but they asked him to go to a higher centre. Patient was advised to go through plastic surgery by the doctors he consulted initially as he was old enough and proliferation of new skin was not possible. Because patient was poor and

could not afford higher centre expenses, he visited Apex Trust Hospital for the treatment.

### Interventions

Under aseptic conditions the wound was first irrigated with sterile water and then sterile gauze impregnated in *Jatyadi Taila* was applied locally over the wound. Along with local dressing, patient was also given oral *Ayurvedic* medicines (i.e. *Triphala Guggulu* 2BD, *Kaishore Guggulu* 2BD, *Arogyardhani Bati* 1 TDS, *Amalaki Rasayan* 3gm BD), *Lohasav* 20ml BD and he was also advised to take regular light, protein-rich diet and to keep area around wound clean.

### OBSERVATION AND RESULTS

Patient showed remarkable recovery after 5 days of treatment. Clinical features present initially were improved and appearance of tiny healthy tissue came in notice. By the end of 10<sup>th</sup> day unhealthy tissues were replaced by healthy granulation tissues and the wound started to contract. Regular dressing was performed once a day under aseptic conditions and the wound healed completely after 45 days of treatment leaving the scar behind. With a follow up for a period of 6 months, the patient showed no signs of recurrence.

### DISCUSSION

**Effect on Vrana Vedana (ie. pain):** Initially there was pain and tenderness in and around the wound but after 5 days of primary care, the pain and tenderness started to subside gradually.

**Effect on Varna (ie. colour):** Change in the colour started to appear after 5 days of treatment and it got converted to *Shudha Vrana* after 15 days of treatment, the slough and the necrotic tissue and discharge started to disappear gradually and the healthy pinkish granulation tissue came in appearance.

**Effect on Strav (ie. discharge):** There was presence of purulent discharge initially. But after application of dressing impregnated with *Jatyadi Taila* at the end of 2nd week, discharge from the wound started to reduce, this might be due to *Shodhan* properties of *Jatyadi Taila*.<sup>[4]</sup> There was little bit of serous discharge present throughout the treatment and complete disappearance of discharge was noticed by the end of 1 month.

**Effect on Gandha (ie. odour):** The foul odour present in beginning reduced gradually by the end of 10 days. *Shodhan* Properties of the formulation might be the reason for this.

**Effect on Akriti (ie. shape):** After 45 days of careful treatment the wound healed completely showing signs of *Rudha Vrana* (ie. healed wound).<sup>[5]</sup> This might be due to *Shodhan* and *Ropan* properties of *Taila* which provided healthy environment for the wound to heal.

### CONCLUSION

In this study the patient was admitted for around 45 days and was kept under close observation. With found results, it can be concluded that formulation has both *Shodhan* and *Ropan* properties indeed which provide healthy and ideal environment for a wound to heal. It could be a better option for the treatment of all kinds of wound. It is easily available, cost effective; non-toxic and also a very small amount is needed for the application.

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