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Effect of *Talisadi Taila* in the management of *Sadhyo Vrana* - A Case Study

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ABSTRACT

Abrasion is a type of injury characterized by loss of superficial layer of the skin due to application of mechanical force. In the modern era there is remarkable increase in the number of traumatic wounds due to rise in the vehicular traffic.^[1] Traumatic wounds occur at the rate of 50 million every year worldwide. According to Indian Society for Trauma and Acute Care Center, New Delhi (2012) 22.8% of all injuries were due to traffic related and 77.2% of other trauma wounds like self-fall, Agricultural injury, burns, assaults etc.^[2] The prevalence rate of minor injury in children less than five years are of 67% and under 5 to 9 years 14.2%, such wounds should be treated by cleaning and topical application of antibiotics along with systemic analgesics.^[3] *Acharya Vagbhata* explained about *Saptahika Chikitsa* for *Sadhyo Vrana* in that *Sechana*, *Lepana* and *Sandhana* can be used for *Ghrusta Vrana*.^[4] In this cosmetic and antibiotic era, healing of wound is not only the intension but also to reduce the pain, burning sensation and minimizing the scar. It is having *Vrana Ropana* and *Varnya* property by the ingredients it possesses. Application of *Talisadi Taila* for 7 days uniformly.^[5]

Key words: *Ghrusta Vrana*, *Talisadi Taila*, *Sadhyo Vrana*.

CASE STUDY

A 24 year male patient came with history of self fall 1 hour back and wound of 7cm over left side of the face, with complaint of *Daha* (burning sensation), *Srava* (bleeding), *Vedana* (pain). To relive the complaints application of *Talisadi Taila* was carried out daily for a period of 7days.

Ghrusta Vrana (2nd degree Abrasion) having classical *Lakshanas* like *Daha* (burning sensation), *Srava*

(blood/serous discharge), *Vedana* (pain). 2nd degree Abrasion: It involves loss of epidermis as well as the dermis and associated with bleed.

Procedure

Poorva Karma (Pre-operative procedure)

The procedure was carried out under aseptic precautions.

Wound toileting was done with normal saline.

Pradhana Karma (Operative Procedure)

Talisadi Taila was applied over *Ghrusta Varna* uniformly.

Once daily for 7 days, with soaked sterile gauze.

Paschat Karma (Post-operative procedure)

Bandaging was done on first 2 days.

And followed by application was done.

Duration: Seven days

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RESULTS

SN	Subjective/Objective parameters	BT	During treatment			F/U
			0 day	1 st day	7 th day	
1.	Vedana	3	3	1	0	
2.	Daha	3	2	0	0	
3.	Tenderness	3	3	2	0	
4.	Srava	2	0	0	0	
5.	Varna	2	2	1	0	
6.	Parimana	3	3	1	0	

Assessment parameters

Subjective parameters^[12]

1. Vedana (pain)
2. Daha (burning sensation)
3. Tenderness

Vedana (Pain)

Symptoms	Severity	Grading
No pain	Nil	0
Pain on movement	Mild	1
Pain on work	Moderate	2
Pain on rest	Severe	3

Daha (Burning sensation)

Symptoms	Severity	Grading
No Daha	Nil	0
Daha that can be easily tolerable	Mild	1
Daha that cannot be tolerable	Moderate	2
Daha not reduced even after using analgesics	Severe	3

Tenderness

Symptoms	Severity	Grading
No tenderness	Nil	0
Tenderness on deep pressure	Mild	1
Tenderness on moderate pressure	Moderate	2
Tenderness even on touch	Severe	3

Objective Parameter

1. Srava (Discharge)
2. Varna (Colour)
3. Parimana (Size)

Srava (Discharge)

Symptoms	Severity	Grading
No discharge	Nil	0
Bloody discharge	Mild	1
Serous discharge	Moderate	2
Purulent discharge	Severe	3

Varna (Color)

Symptoms	Severity	Grading
No granulation of tissue	Nil	0
Granulation of tissue	Mild	1
Pale floor of wound	Moderate	2
Yellowish slough at floor & edges	Severe	3

Parimana (Size)

Symptoms	Severity	Grading
Healed	Nil	0
Within 1-5 cm	Mild	1

Within 5-10 cm	Moderate	2
Within 10-20 cm	Severe	3

Fig. 1: Before treatment - 0 day



Fig. 2: During treatment - 3rd day



Fig. 3: During treatment - 5th day



Fig. 4: After treatment - 7th day



Fig. 5: After Follow-up - 15th day



DISCUSSION

- This case study reveals that local application of *Talisadi Taila* is found to be very effective in the management of *Ghrusta Vrana*.
- All the ingredients of *Talisadi Taila* have collective potential of anti-inflammatory, wound healing properties as well as antioxidant vascularization activity which helped for perfect wound healing in *Ghrusta Vrana*.
- During inflammatory conditions indirectly helps in better rate of drug absorption as a result higher therapeutic efficacy can be expected.
- Assessment on 7th day after the application of *Talisadi Taila* showed maximum improvement in *Daha* and *Varna*. Whereas on *Srava*, *Vedana* and *Tenderness* showed slight improvement.

- On *Parimana* good improvement is observed in by application of *Talisadi Taila*.
- No untoward effects were found. Thus the study is said to be found simple, cost effective and safe.

CONCLUSION

Talisadi Taila has *Vrana Ropana* effect and hence it helped in reducing the symptoms, without use of any oral analgesics, and also helped in scar prevention. *Talisadi Taila* contains drugs with *Vrana Ropana* and *Varnya* property. (*Talisapatra, Padmaka, Jatamamsi, Harenu, Agar, Chandhan, Haridra, Daruharidra, Padmaka Beeja, Usira, Maduka* and *Tila Taila*). *Ghrusta Vrana* can be managed without using any analgesic drugs by applying only *Talisadi Taila*. *Daha, Vedana* reduced on 2nd day while *Sopha* reduced on 4th day and complete wound healing was noted on 10th day of treatment. Dressing is required in initial days (1st -2nd) for Abrasion wound (2nd degree). Maintain hygiene, avoid dust contact and irritation to wound site by clothing.

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