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CASE REPORT

A CASE STUDY OF PATRADANA UPKRAMA IN DAGDHA VRANA WITH KADALI PATRA

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ABSTRACT

Dagdha vrana (Burn wounds) are very frequently and commonly seen in society, which are difficult to heal and leads to the intolerable painful condition to the subject. Such a burn conditions can be treated by topical applications in modern science, but none is perfect. In a case one of the important *Upkrama* described by *Acharya Sushruta* i.e. *Patradana* tried with *Kadali Patra* as a covering dressing after application of *Yastimadhu ghrita* in burn wound. *Kadali Patradana* is effective in burn wound management. *Kadali patra* are easily available in abundant supply round the year and are economical. It is easy to prepare the dressing since it does not require any special skill or instruments to store. *Kadali Patradana* is a good option available with properties close to an ideal burn dressing. A 26 yrs young female presenting with history of burn injury with complaint of burning, pain, oedema in right hand fingers since 1 day has presented here.

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INTRODUCTION

Burn is one of most devastating and distressing injuries a mankind can suffer. Most often the burn is accidental which occurs all of a sudden when patient is not prepared for it. *Acharya Sushruta* has classified the burn wounds on the basis of etiological factors and also the depth, which is very important in planning of treatment. According to etiological factors it has been divided into six types as *Agni dagdha*, *Kshara dagha*, *Ushna vata atapa dagdha*, *sheeta varshaneela dagdha*, *indra vajragni dagdha* and *Ati tejasa dagdha* (Shastri Kaviraj Shastri Kaviraj et al., 2014). According to depth, the wound has been classified into 4 types: *Plushta dagda*, *Durdagha*, *Samyaka dagdha* and *Atidagdha* (Shastri Kaviraj Ambika Dutta et al., 2014). The management of wounds or ulcers was explained under *shashti upakramas* (Shastri Kaviraj Shastri Kaviraj et al., 2014) (60 procedures). *Patradana* is one among them. *Yastimadhu ghruta* applied on wound and then covered by fresh sterile *Kadali patra*. Banana leaf forms a uniform surface under which epithelial growth occur. Easy removal of *Kadali patra* during the change of dressing keeps the new and delicate epithelium intact. Whereas *Yastimadhu ghruta* had its own *Vrana Ropak* and *Daha prashamaka* properties because of its *Rasa*, *Guna*, *Veerya*, *Vipaka* & *Prabhav*.

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A 26 yr young female presented with complaints of pain, burning, Redness, swelling with blebs on right hand fingers since 1day, with history of thermal burn while cooking. There is no history of DM/HTN, the previous history of illness, family history, personal history is no specific. On local Examination there was 1st degree superficial 2% burn lesion noted.

- The classical *Lakshanas* of *Durdagdha* like *sphota*, *tivradaha*, *lalima* were observed as *Acharya Sushruta* described.
- Routine hematology investigations (TC, DC, Hb%, ESR, RBS) and urine investigations were within normal limits.
- *Yastimadhu ghruta* uniformly applied over the surface then wound covered with fresh sterile Autoclave *Kadali Patra*, twice a daily, once in morning and once in evening.

Patient was advised to have normal diet and habits. Changes were noted on every day of treatment up to 7 days. In day to day assessment redness, burning sensation, pain and oedema were subsided gradually & Skin becomes normal with minimal discoloration.

Dagdha Vrana Before Treatment (1 st Day)	Dagdha Vrana After Treatment (8 th Day)
	
Application of Yastimadhu ghrita	Application of Kadali Patradana
	

Discussion on the effect of *Patradana*

Mode of Action of *Kadali patra patradana* after application *Yastimadhu ghrita* in *Dagdha vrana*

Patradana with *Kadali patra* Burning sensation was significantly reduced because its waxy layer it doesn't interfering intact epithelial tissue bed as well as it is a source of natural fibre and having pores which allow O₂ exchange which maintain natural cool environment. Moist wound environment facilitates healing. *Yastimadhu Ghruta* had its quality like *Vrana ropana*, *Daha prashamanan*, and *Vedana harana* due to its *Rasa*, *Guna*, *Veerya* and *Vipaka*; it also helps in *Vrana sandhana* i.e wound Edge approximation

Conclusion

Kadali Patradana shown very encouraging result with fast relieve in the symptoms like Pain, Burning sensation, Discharge, Blebs, and also show significant result in reducing the Wound healing time. *Kadali Patradana* can be effectively used in burn wound management.

Patradana concept is lead down by Maharishi Sushruta in context to *Shasti upakrama* is proven to be an effective in context to modern dressing ideology. It is easily available in abundant supply round the year and is economical. It is easy to prepare the dressing since it does not require any special skill. *Kadali Patradana* is a good option available with properties close to an ideal burn dressing.

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