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An Assessment of *Dhatakyadi Yog* in *Agnidagdha vrana* with special reference to post op Fissurectomy cauterized wound

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Abstract:

Cauterization (or cautery) is medical practice or technique of burning a part of the body to remove or close off a part of it. As after cauterization, the wound which is caused is type of burn wound. As per *Ayurvedic* text, *Dhatakyadi yog* has been used as a local application for burn wound.

The present study entitled, "To study the efficacy of *Dhatakyadi yog* in the local application on post-op *fissurectomy* cauterized wound" and aims & objectives were decided according to the present study. a single case study was done. The clinical assessment was done on the basis of grading criteria with specific *symptomology* of patients like pain, swelling, discharge. It can be concluded that patient applying *Dhatakyadi yog* in Cauterized wound is quite effective in reducing the pain, swelling, discharge. And as per *Ayurveda* it causes *shodhan* and *ropan* effect on wound.

Introduction:

Electrocauterization is the process of destroying tissue using heat conduction from a metal probe heated by electric current. *Electrocauterization* are used to cut tissue and intermittent to coagulate tissue. In general, *Fissurectomy* is a surgical treatment for chronic fissure in ano in which the fibrous part of fissure bed with/without sentinel tag is excised out. Nowadays, *Fissurectomy* is done by an *electrocauterization* process, which causes a burn wound at the site of fissurectomy. Improper healing of burn wound will lead to complication like infection, shock, biochemical changes, vascular changes, systemic lesion and neurogenic changes, etc.

The treatment according to modern science for local application are like silver sulphadiazine, nitrofurazone, etc. which are expensive.

According to Ayurveda, As per *Yogratnakar*, the treatment is given for *agnidagdha vrana* as *Dhatakyadi yog* (*Dhatakyadi Pushpa churna* mixed with *atasi tailam*) should be applied over burn wound and it cures burn wound.

Dhataki: in Sanskrit *Dhataki*, Latin name is *Woodfordia fruticosa* and family *Lytharaceae*. flower are scarlet, showy, tubular or slender pedicels dilated above, borne in axillary clusters. *rasa* is *Kashaya*, *guna* is *laghu ruksha*, *virya* is *Shita*, *vipaka* is *katu*. Due to which it gives coolness at burn wound site along with that *charak* has mention *dhataki* in *sandhaniya mahakashaya*. its chemical composition has 2% tannin, inositol, kaempferol-3-glucoside, etc which help in

decrease of inflammation, helps in wound contraction.

Atasi: in Sanskrit *Atasi*, Latin name is *Linum usitatissimum*, has properties *rasa madhura*, *tikta*, *guna* is *guru snigdha*, *virya* is *ushna*, *vipak* is *katu* due to which it helps in wound healing. *Atasi* is assimilating inflammation.

And when it is used in combination it helps in *shodhan* and *ropan* effect on burn wound.

NEED OF STUDY:

As we observed that as per previous research there is very less study available for *agnidagdha vrana* with special reference to post op *fissurectomy* cauterized wound.

For thousand years back, Ancient *Acharyas* had mentioned much easily available and cost-effective treatment of burn wound i.e *Dhatakyadi yog*, hence taken for study.

Aims_and_Objects:

Aim: To access the efficacy of *Dhatakyadi yog* in post op *fissurectomy* cauterized wound

Objective: Study Effect of *Dhatakyadi yog* on post op *fissurectomy* cauterized wound

Materials_and_Methods:

Dhatakyadi Yog prepared according to *yogratnakar*

Case Study:

A 53 years old patient residing in *Kharghar*, Housewife admitted in IPD and Operated for Fissure in Ano

Post Operative *Fissurectomy* Complaint:

Pain at site of wound

G/E: Vital Stable

Temp *Afebrile*

L/E: *Fissurectomy* wound at 6 o'clock position

- Pain ++
- Swelling ++
- Discharge ++

Wound treated with *Dhatakyadi Yog* which is applied on gauze and dressing done.

Route of Administration: Local Application *Matra* -As per Wound Size

Duration :7 Days

Observation & Result:

The Patient was having Pain, Swelling & Discharge from Wound site. After Treatment (Applying *Dhatakyadi Yog* for Dressing For 7 Days). Patient Was Feeling Relief from Symptoms Wound was Healthy. There was no pain, no swelling, no discharge from wound.

Discussion:

After Applying *Dhatakyadi Yog* On Post Op *Fissurectomy* Cauterized Wound. It is Concluded that It is useful in management of pain, swelling, Discharge cause cautery.

Conclusion:

Trial drug *Dhatakyadi yog* is effective in post op *Fissurectomy* cauterized wound. For more scientific validation study has to be conducted on big sample size

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