



**ROLE OF PANCHVALKAL KWATHA PRAKSHALANA AND LOCAL APPLICATION  
OF TIKTADYA GHRITA IN THE MANAGEMENT OF DUSHTA VRANA W.S.R. TO  
DIABETIC FOOT: A CASE STUDY**

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Article Received on 08/05/2017

Article Revised on 28/05/2017

Article Accepted on 18/06/2017

**SUMMARY**

A male patient of age 45 year came with the complaint of non healing wounds over right heel of foot along with maggots since eight weeks. Patient was the diagnosed case of Diabetes Mellitus and on anti diabetic drugs from last three years. After required investigations and local examination of wounds, patient was planned treated by *Prakshalana* of *Panchvalkal Kwatha*<sup>[1]</sup> and Local application of *Tiktadya Ghrita*.<sup>[2]</sup> With this treatment wounds got completely free from maggots and unhealthy condition of wound totally resolved without any complications and side effects.

**KEYWORDS:** *Dushta Vrana, Madhumehaj Vrana, Diabetes.*

**INTRODUCTION**

Foot complications are common in people with diabetes. High blood glucose levels for longer duration damage the blood vessels leading to reduced blood flow to the foot. This poor blood circulation contribute to the formation of ulcers and impaired wound healing. Elevated blood glucose level over time can damage the nerves of foot decreasing person's ability to notice pain and pressure. Loss of sensations further lead to develop pressure spots and accidental injury the skin, soft tissue and bones. Nerve damage, poor circulation and chronically high blood glucose levels increase the risk of foot complications. Vascular compromise should be considered a relative contraindication to a surgical approach and amputation may not be considered a relative contraindication to a surgical approach and amputation may not be an easy option as wound healing will be poor.<sup>[3]</sup>

In *Sushruta samhita*, diabetic foot is co-related with "*Madumehaj Vrana*" under "*Dushta Vrana*". Acharya Sushruta explained *Madhumehaj Vrana* as a *Krichhasadhya* (difficult to heal).<sup>[4]</sup> According to *Acharya Sushruta Meda* and *Rakta* along with other *Dosha* and *Dushya* lead to formation of *Prameha Pidika* which later converted to non healing wounds and also

further specified that wounds over lower limb are difficult to heal.<sup>[5,6]</sup>

**CASE REPORT**

A male patient of 45 year age attended the o.p.d. of Shalya Tantra department at Shri Khudad Dungaji Govt. Ayurvedic Hospital Raipur. Chattisgarh with the complaint of a non healing wounds over the right foot (heel of foot) with maggots, slough and unhealthy granulation tissue over a period of two months. During history taking, patient was found to be a case of controlled chronic diabetes mellitus since three years, he has no family history of Diabetes. She was on anti diabetic treatment from allopathic hospital and her glucose level were within normal limits. But from last one and half months she suffered from non healing wounds over heel of right foot. He took treatment for the allopathic side but got no relief. Finally he came to our hospital for further management. After careful examination of wound it was found that were full of maggots, irregular in shape with rough edges, unhealthy granulation tissue with slough. On further inspection the surrounding areas of wound show inflammatory changes with unpleasant watery discharges. After admitting the patient, following investigations were done and under mentioned treatment was given.



Figure 1-Before treatment(1st day)



Figure 2-During treatment(7<sup>th</sup> day)



Figure 3-During treatment(14<sup>th</sup> day)



Figure 4-after treatment(28<sup>th</sup> day)

- 1) Panchvalkal Kwatha for daily Vrana Prakshalanarth.
- 2) Local application of Tiktadya ghrita after Prakshalana.
- 3) Anti Diabetic drug as prescribed previously.

With the above mentioned treatment, wounds started healing within two weeks and got completely healed in four weeks.

#### Investigations

- 1) Blood Sugar – Fasting – 102 mg/dl, P.P.- 150mg/dl
- 2) Urine routine and microscopic – NAD.
- 3) X-ray left foot (AP & LAT) – NAD.

#### DISCUSSION

The treatment of diabetic foot with Panchvalkal Kwatha and Tiktadya Ghrita is found satisfactory. These drugs not only cured the condition but are also patient friendly without any side effects unlike allopathic drugs. Panchvalkal Kwatha contains Leucoantho-cynin,  $\beta$ -sitosterol, Tanin, Gossypol,  $\alpha$  &  $\beta$  amyryns has Vrana Shodhana and Krimighna property, daily Prakshalana of wound by well prepared Kwatha leads to cleansing of wounds. Tiktadya ghrita dissolves hard fibrous tissue and generates healthy base for healing and finally promotes healing of wound.

Tiktadya Ghrita contains Picrorrhizine, Curcumine, Glycirrhzine, Karanjin, Cucurbita-5, 24-dienol, Salicylic acid, Margosine. Which help in faster healing of wounds. Ghrita is anti – microbial, anti – bacterial and non irritant. Above case reveals that treating with above

formulations is better alternative for treating Dushta Vrana W.S.R. to Diabetic Foot.

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