

REPORT ● *IASTAM P.J. Deshpande Memorial Fellowship Research Project*
**“Comparative Assessment of Clinical Efficacy of
 Apamarga Kshara Taila and Povidone Iodine Solution
 in the Management of Non-Healing Ulcers”**
(Sponsored by Dr. G. V. Satyavati)

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Summary of the project-

This entire research work on *“Comparative assessment of clinical efficacy of Apamarga Kshara Taila and povidone iodine solution in the management of non healing ulcers”* was performed to evaluate and compare the clinical effect of both the local medicaments in the management of non healing ulcer along with dietary regimen and prescribed internal common medications for a stipulated period.

Apamarga Kshara is one type of caustic preparation that enhances drug absorption rate. Also due to its highly alkaline nature, it helps in tissues debridement. With a view to tissue preventive measure, Kshara Taila has been used for dressing. Moreover, the Til Taila [sesame oil] processed with Apamarga Kshara water and Apamarga Panchanga paste (AFI Formula) becomes more effective. Apamarga Kshara Taila is having favourable physico-chemical parameters including pH (7.5), least acid values (0.3559) and high saponification value (226.84).

In this study, total 12 patients were enrolled among which total 10 patients completed the course of treatment. Total Wound size reduction was found 247.20 cm in Group A and 32.17 cm in Group B. Average Unit healing time was found 6.6262 days/cm³ in Group A and 18.1256 days/cm³ in Group B. Maximum 50% patients got marked improvement in healing the ulcers. 40% patients got complete wound healing. 10% patients got moderate improvement in achieving wound healing. In following period of 2 months all the patients achieved complete wound healing.

Both the Apamarga Kshara Taila and Povidone iodine solution are differently effective in the management of non healing ulcer; it is observed that Apamarga Kshara Taila works better than povidone iodine solution in the management of non healing ulcer by its tissue debridement effect. Wound healing was achieved in both the groups in more or less period depending upon various systemic and local factors.

The study drug Apamarga Kshara Taila possesses potent Vrana-Shodhana and Vrana-Ropana [wound cleansing and healing] properties. There are no untoward effects found during the course of treatment. It is found better in the management of infected wounds as it provides faster tissue debridement in compare to Povidone Iodine.

By Dr. Manasi Deshpande