

**Effect of Ayurveda Treatments in the Management of Chronic Wound:
A Single Case Study**

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Chronic wounds present a substantial economic burden on the healthcare system. It is also a leading cause of amputation worldwide. Susruta Samhita mentions 60 different types of therapeutic measures for wound care. Among them, internal medicine, local wound care, and non-surgical methods were used mainly for this study. Applying medicinal leeches is the most effective non-surgical method of bloodletting mentioned in authentic ayurveda books. This case study reported here was conducted to identify the effect of Ayurveda treatments in the management of a chronic wound. An 80-year-old female patient suffering from a chronic wound for two years was successfully managed through the selected Ayurveda treatments. She came to the clinic after many failures of different treatment methods and at that time she was advised for amputation. Along with the internal medicine and local wound care, the patient was recommended applying 3 medicinal leeches (*Hirudo medicinalis*) once a week for a two-month period. The hematological investigation was carried out prior to the leech therapy (FBC, BT, CT). Pain, exudates, odor, swelling, burning sensation, itching and size of the wound was assessed using a grading system before and after the treatment once a week. At the end of the treatment period, pain, exudates, odor, burning sensation, and itching were reduced completely while swelling and wound size reduced to a remarkable stage. Further evaluation is required to be done by taking a large sample size to prove the clinical significance of ayurveda treatments in chronic wounds.

Keywords: Chronic wound, ayurveda treatments, leech therapy