

Case Reports of Bedsores Using Aloe Vera Gel Powder with High Molecular Weight

Keizo Matsuo, Akira Yagi, Amal Kabbash

aDermatology and Plastic surgery, 819-0373, 1-1-28 Susenji Fukuoka-shi, nishi-ku,
Fukuoka, Japan

ABSTRACT

It has been reported that the Japanese have higher rate of life expectancy and that Japan is rapidly becoming a super aging society. Almost 5 per cent of the aged, who develop diseases such as cerebrovascular related disorders, mental problems, fractures, cancer and infections also end up suffering from bedsores. It has been found that patients often opt for treatment, when the bedsores become very severe and adding more complications in their treatment. It may be presumed that prevention and early detection are vital for the treatment of bed sores. In our present study, we have tested herbal formulations having Aloe vera gel powder for its efficacy and activity on bed sores. Aloe vera gel powder with high molecular weight (AHM) was prepared from the gel part, by washing with running water using the patented freeze-drying under micro wave and far infra red irradiations in which barbaloin content was less than 10 ppm in powder form. The treatment was given by applying the macromolecule aloe ointment for bedsores from degree to degree ulcer patients. The results have shown that AHM in the ointment form indicated a high possibility to cure bedsores. Being very difficult to cure, due to the patient's peculiar conditions such as old age, inability of the patient to turn by himself/herself and also due to complications caused by other symptoms. We were able to confirm the effectiveness of the macromolecule aloe ointment in four cases of bedsores with two cases of positive control, using the Design Score and by checking the side effects. In this study, our report is based on the preclinical trials for bedsores by the external use of the macromolecule aloe ointment.

KEYWORDS

case reports . bedsores . macromolecule Aloe vera ointment

REFERENCES