

Successful treatment of a patient with subungual warts using paiteling:A Case Report

Xinyu Qi¹ and Wang Yao¹

¹People's Hospital of Leshan

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Abstract

Background:There are many methods to treat subungual wart, but the treatment results are not satisfactory. **Case presentation:**A patient with a 10-year history of subungual warts was cured after using paiteling, and no warts recurred after six months of follow-up. **Conclusion:**Paiteling is effective and safe to treat subungual warts.

Introduction

Warts are benign vegetations infected by human papillomavirus(HPV)in dermal tissue. The warts that occur in the nail bed are subungual warts. The treatment methods for warts include freezing, laser, photodynamic therapy, but the recurrence rate is high^[1, 2]. Moreover, warts can easily cause nail deformation, even affect the patient's work ^[3].

Case presentation

We report a 30-year-old male patient with a 10-year history of subungual warts on his left thumb. His subungual warts had been treated by liquid nitrogen cryotherapy more than 30 times. He told us that despite the effectiveness of this treatment, warts recurred multiple times over a period of time.We successfully treated his subungual warts with paiteling(PAI, Beijing Paite Biotechnology Limited Company, China). The specific therapeutic steps were as follows. Firstly, we removed the diseased nail and scraped off the wart with a sterile surgical blade until there were no residues; Then, we put cotton pads soaked in PAI solution on lesions for 2 ~ 4h every day. We repeated the above treatment steps for 5 days and stopped for 2 days. Finally, we put cotton pads soaked in 2% PAI solution on lesions for 15min every day when the skin lines grew. We repeated the last step for 2 weeks. Although, there were adverse events of mild swelling and pain during treatment, no lesions recurred during the 6-month follow-up (Figure 1).

Discussion

The above results show PAI is effective and safe to treat subungual warts. In addition, it has been reported that PAI can effectively eliminate different types of HPV infection^[4]. PAI is a compound preparation of Chinese traditional medicine, containing Fructus Cnidii, Honeysuckle, and Sophora flavescens^[5]. At present, it is considered that PAI can quickly cross the epidermal cell space to reach the basal layer of the epidermis without damaging the dermis and the subcutaneous tissue, the mechanism of PAI maybe the exfoliation of epidermal cells^[4-6].

Conflict of interest

The authors declare no conflict of interest.

