

DELAYED EXTRACTION SOCKET HEALING IN VITILIGO PATIENT:A CASE REPORT .

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INTRODUCTION

Vitiligo is a skin disorder characterized by depigmentation areas (absence of melanocytes), its prevalence is high ranging from (0.005 - 0.38%) worldwide (1). The cause behind this condition is still unknown however, multiple theories have been suggested regarding its cause. The autoimmune theory is the most supported one; which was suggested due to its frequent association with other autoimmune disorders (2). Vitiligo has two types generalized and segmental (3). Patients who are affected by this condition were observed to have a low level of vitamin D (4,5,6). Moreover, it was concluded that low levels of serum 25-hydroxyvitamin D were significantly lower in vitiligo patients than that of normal control (1). Oral vitiligo (oral mucosa depigmentation lesion) may manifest itself before the appearance of depigmentation in the other parts of the skin.(7) The function of Melanocytes, in the human body, is not a merely synthesis of melanin pigmentation (8)

CONSENT

Informed consent was taken from the patient to use the information in scientific research purpose.

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CASE PRESENTATION

54 -years old woman presented to dental teaching clinic Qassim University seeking extraction of remaining root 45,the patient has a vitiligo(affected more than one area of her skin (hands, feet) as well as the face (the 2 eyelids, both lips and around the nose, which was started partially before more than 8 years , but otherwise she was a healthy. The extraction was done simply and atraumatically, delayed healing of the extraction socket was noticed , and more than 6 weeks was needed for closure of the soft tissue overlying the socket , by completion of 9 weeks uneventfully soft tissue healing overlying the extraction socket was happened.



DISCUSSION

Protracted skin healing is well documented in the literature(9,10),biological similarities between the skin and the oral mucosa(11) can support the concept that same protraction may affect the oral mucosa too. Vitiligo manifests itself either separately at the skin ,or at the oral Mucosa or both at the same time Furtherly ,oral vitiligo can affects lip , gingiva ,buccal mucosa,(7). The normal extraction socket healing needs minimum 3 weeks to be completely covered by epithelium (12), many systemic and local factors can do delaying of such procedure(13),our observation of delayed extraction socket healing in this patient of Vitiligo ,may be related to deficient factors which are needed for the normal healing . By searching so far in the literature we couldn't find any similar previous paper written about such relation.

CONCLUSION

Extraction socket of the vitiligo patient may undergo delayed healing ,further observational studies are needed to confirm or refute this observation.

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