**Letter to editor**

**Cutaneous mycosis in a rural area of Ahvaz, Iran**

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Cutaneous mycoses are the most important fungal diseases and more prevalent in the world. Dermatophytosis and pityriasis versicolor are two main diseases that their incidence is related to geographic region, climate and animal husbandry techniques. Dermatophytosis, especially tinea capitis remains a significant endemic problem mainly in school children in the world [1]. Zoophilic species of dermatophytes, Microsporum canis, Trichophyton verrucosum and T. mentagrophytes are associated with dermatophytosis in wild and domestic animals [1,2]. These species are the most common dermatophytes as causative agents of tinea in rural areas in Iran [3-5]. Several reports from Ahvaz show that dermatophytosis is still a main dermatological problem in this province [1,2,6,7]. Pityriasis versicolor is a chronic fungal disease that is more prevalent in warm and humid condition.

In the present study, 1681 primary school students participated, ranged in age from 7-12 years. Subjects were 960 (57.1%) male and 721 (42.9%) female. Out of 153 sampled students only four cases of pityriasis versicolor were identified by direct examinations. This study revealed that the prevalence of dermatophytosis in the studied area was zero. Tinea capitis is a...
common dermatophytosis in childhood [7]. Several reports showed that tinea capitis continues to be an important public health issue in Iran [3,8-12]. Previously we reported an outbreak of tinea capitis due to *T. mentagrophytes* in a village in Ahvaz [2]. The clinical types of tinea and their etiological agents vary from time to time and place to place. Chadegani *et al.* [4] and Zarei Mahmoudabadi [1,7] reported *T. verrucosum* as the most common causative tinea capitis in Isfahan and Ahvaz respectively, whereas Omidynia *et al.* [5] reported *T. schoenleinii* as common etiologic agent tinea capitis in Hamadan (west of Iran). The prevalence of dermatophytosis among primary school children in the city of Varamin (south of Tehran) was 0.05% [8]. Most of the patients in the city of Varamin were from an urban area of Tehran.

It seems probable that the presence of health centers in rural areas of Ahvaz, routine visit of the students by nurses and settlement near to downtown (Ahvaz) were the reasons for decreasing dermatophytosis. In the present study, only four cases of pityriasis versicolor were detected in the students. This is a superficial infection of the stratum corneum caused by *Malassezia* species and is common in late teens and young adults of both sexes [13]. Several authors have reported pityriasis versicolor in Iran [13-16]. Ahvaz is located at South West of Iran which has temperate and humid climate. Temperature and humidity are two important predisposing factors for pityriasis versicolor. In the present study the prevalence of dermatophytosis was less than that we had expected and it indicates that the disease was managed excellently by medical health services in this province.

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**References**


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