Fig tree induced phytophotodermatitis

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DESCRIPTION

A 63-year-old man, without any history of cutaneous reactions, noticed the spontaneous appearance of a painful, non-pruritic maculopapular hyperpigmented rash on his arms and legs (figures 1 and 2). Four days after the emergence of the lesions he looked for medical aid since the rash was getting worse with a more painful sensation and burn-like lesions (figures 1 and 2). He was already performing local wound care and taking antihistamines. When questioned, he remembered that he had been pruning a fig tree under continuous sunlight exposure before the lesions started to appear. He recalled having directly contacted the sap of the fig tree on both arms and legs when pruning. He was wearing a t-shirt and shorts and had a watch on his left wrist.

On physical examination, some lesions seemed infected with purulent drainage (figure 2). With the suggestive history, the distribution and pattern of lesions, fig tree induced phytophotodermatitis with superinfection was diagnosed. Symptoms and lesions gradually resolved with oral antibiotics, steroids and wound care.

Phytophotodermatitis represents non-immune mediated responses induced by furocoumarins that sensitize epithelial DNA to ultraviolet radiation causing ‘burns induced by plants’.1–4 Fig tree leaves and sap contain photoactive furocoumarins that can cause this condition.2 Phytophotodermatitis is frequently confused with a broad spectrum of dermatological conditions like skin burns, drug-related photosensitivity, herpetic lesions, bullous impetigo or contact dermatitis.1 4 A patient with a painful rash after direct exposure to plants known to contain furocoumarins, including limes, figs, celery, fennel, carrots, parsley, dill and parsnips, should raise consideration of the diagnosis of phytophotodermatitis. Infection can complicate severe lesions.1 4 Phytophotodermatitis is a

Learning points

- Phytophotodermatitis must be suspected when a patient appears with an erythematous rash in sun-exposed areas after exposure to plants containing phototoxic furocoumarins.
- The diagnosis is made based on the clinical history and can be confused with other skin conditions requiring a high index of suspicion.
self-limited condition and care is typically focused on symptomatic management. However, in the presence of moderate lesions, topical steroids are indicated to reduce inflammation. Antibiotics are traditionally reserved for bacterial superinfection. This is one of the most exuberant cases of phytophotodermatitis since most cases exhibit self-limited phytophotodermatitis.

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