

Lichenoid Photodermatitis Due to Ketoprofen

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Abstract

Case Report

Lichenoid photodermatitis is defined as a photoallergic reaction that presents with a lichenoid pattern upon histopathologic examination. We report a case of a 62-year-old patient who consulted for a pruritic erythema with scales in the face, forearm and back of hands after ketoprofen injections.

Keywords: Photodistributed lichenoid eruption, ketoprofen, drug reaction.

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INTRODUCTION

Lichenoid photodermatitis is defined as a photosensitivity reaction that presents with a lichenoid histology induced by a drug. It presents on sun-exposed areas of the forearms, face, and V area of the chest as erythematous-violaceous plaques, papules, and patches that may be pruritic[1]. We report a case who presented a photodistributed lichenoid eruption after ketoprofen injections.

CASE SYNOPSIS

A 62-year-old patient, with a history of atopy, consulted for a pruritic erythema with scales in the face, forearm and back of hands. He reported that symptoms

appeared a week after injections of ketoprofen received 3 successive days prescribed by a general practitioner for Achilles tendon pain. Initial clinical examination showed face edema and erythema covered by fine scales (Fig-1 a,b) affecting other sun-exposed areas including the neck, forearms (Fig-2), back of the hands (Fig-3) and sparing the rest of the body. Examination of the mucous membranes showed a peeling of the penis. The skin biopsy showed lichenoid toxidermia. Ketoprofen use has been stopped immediately after the onset of symptoms and the patient was treated with topical corticosteroids class I. The evolution was favorable with persistence of residual hyperpigmentation in the affected areas.



Fig-1a: (Front view): Erythema of the face and neck with desquamation sparing the sun-protected areas



Fig-1b: (Profil view): Erythema of the face and neck with desquamation sparing the sun-protected areas



Fig-2: Normal skin appearance on the arm compared to erythematous forearm



Fig-3: Photodistribution of the lesions

CASE DISCUSSION

Lichenoid photodermatitis is defined as a photoallergic reaction that presents with a lichenoid pattern upon histopathologic examination. It presents on sun-exposed areas of the forearms, face, and V area of the chest as erythematous-violaceous plaques, papules, and patches that may be pruritic [1]. Ketoprofen as a non steroidal anti-inflammatory drug belongs to the wide list of offending medicines in photodistributed lichenoid drug eruptions including quinine, quinidine, thiazide diuretics and furosemide, diazoxide, tetracyclines and pyritinol [2]. The eruption regresses 2 months after discontinuation of the agent and may leave a residual postinflammatory hyperpigmentation [1].

Potential conflicts of interest: The authors declare no conflicts of interests.

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