RETINAL DETACHMENT ASSOCIATED WITH ATOPIC DERMATITIS --- A CASE REPORT

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Atopic dermatitis is a heritable, allergic inflammatory reaction characterized by dry and itching skin. Ocular complications of atopic dermatitis include cataract, blepharitis, keratoconjunctivitis, keratoconus, iritis, and retinal detachment. We report a case of atopic dermatitis associated with retinal detachment in a 17 years old female who presented with sudden onset vision blurring and floaters in the left eye. Fundus examination revealed a temporal shallow retinal detachment caused by a large temporal 120-degree oral dialysis. Bilateral anterior chamber reaction and complicated cataract were also noted. The retina was successfully reattached with encircling scleral buckle. The patient subsequently received lens aspiration and posterior chamber lens implantation in both eyes. Her visual acuity was 1.2 in the right eye and 1.5 in the left eye after a one year follow-up. Management of this case and a review of the uncommon association between retinal detachment and atopic dermatitis are discussed.

Key words: atopic dermatitis, retinal detachment, oral dialysis, scleral buckle.

INTRODUCTION

Atopic dermatitis is a hereditary, allergic inflammatory skin reaction which is characterized by periodic skin erythema, edema, lichenification with hyperpigmentation of the skin, vesiculation in the acute stage and crust formation in the chronic phase. Patients primarily complain of excessive pruritus, and seek relief by vigorous rubbing and scratching. The disease is most commonly reported among Japanese children (30% of students)\textsuperscript{1} in the literature. Far fewer cases are reported in the Taiwanese literature. (1.24% of students)\textsuperscript{2}. Atopic dermatitis is associated with several ocular complications\textsuperscript{3} such as blepharoconjunctivitis, keratoconus, iritis, cataract, glaucoma, and retinal detachment. However, the association between retinal detachment and atopic dermatitis has not been clearly elucidated. Only a few small series have been reported. We report a case of retinal detachment in a patient with atopic dermatitis and review the relevant literatures.

CASE REPORT

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