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Lichen planus leading to Bilateral Cicatrizing Keratoconjunctivitis

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Introduction: lichen planus is a mucocutaneous disorder, with an incidence rate up to 1% to 4% in the general population. The disease involves mucosal surfaces, such as the oral and genital, among others, and skin including scalp and nails. Eye and related structures are rarely affected. The most important differential diagnosis is mucous membrane pemphigoid. Purpose: to describe a case of bilateral cicatrizing keratoconjunctivitis in a patient with Lichen planus. Methods: Interventional case report and review of the literature.

Results: diagnosis was based on clinical findings and biopsy. Conjunctiva cicatrization with symblepharon formation, dry eye, corneal neovascularization and thinning were the most prominent signs observed. Patient was treated with artificial tears, low dose of topical corticosteroids to control surface inflammation, and systemic immunosuppression. Disease evolved with episodes of corneal infection. Only four cases of Lichen planus with corneal involvement were reported in the world literature. Conclusions: Lichen planus is an immune-mediated skin and mucosal disease. Ocular involvement is very uncommon. Other diagnosis such as pemphigoid must be considered in the differential.