

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Cornea and External Disease N° CEP

Evaluation of systemic allergic manifestations in patients with vernal keratoconjutivitis.

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Purpose: To study the results of skin prick tests in patients with vernal keratoconjunctivitis and compare them to the ones of allergic patients without eye disease.

Materials and methods: 48 patients with vernal keratoconjunctivitis(10 with limbal disease, 19 patients with palpebral and 19 patients with both forms). The control group consisted of 50 patients with systemic allergy with no eye disease. Skin prick tests were done in 48 patients from the Ocular Allergy Sector of the Ophthalmology Department from Santa Casa de São Paulo, from July 2001 to September 2002. The laboratory tests were done by the same doctor in the Immunology Sector from Pediatrics Department. Skin prick tests were performed with allergen extracts of rye grass, house dust mites, Dermatophagoides pteronissinus, Dermatophagoides farinae, Tyrophagus putrescentiae, Blomia tropicalis, Rhizopus spp, penicilium, Alternaria alternata, Periplaneta americana, Blatella germanica by applying a drop of allergen to the forearm and then puncturing the skin with a prick needle. Histamine was used as a positive control (1mg/ml) and the diluent, buffered saline containing 0,03% human serum albumin as a negative control. A wheal and flare reaction, with a diameter of > 2mm and occurring within 15 minutes from the application of the allergen, will be considered a positive allergic response.

RESULTS: results will be presented later.