



CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

PATCH TEST REACTIVITY TO IODOPROPYNYL BUTYLCARBAMATE TESTED IN CONSECUTIVE PATIENTS FOR SEVEN YEAR PERIOD

M Batista⁽¹⁾ - F Morgado⁽¹⁾ - M Gonalo⁽¹⁾

Centro Hospitalar E Universit rio De Coimbra, Dermatology, Coimbra, Portugal⁽¹⁾

Introduction: Iodopropynyl butylcarbamate (IPBC) is a preservative considered of low allergenic potential. In recent years an increasing number of cases of allergic contact dermatitis have been reported.

Objective: To evaluate the prevalence of contact allergy to IPBC in patients attending a patch test clinic, characterize reactive patients, and look for clinical relevance and potential sources of exposure.

Materials and Methods: A retrospective study from January 2011 to December 2017 was conducted. IPBC was tested at 0.2% in petrolatum.

Results: The prevalence of contact allergy to IPBC 0.2% was 0.53%, with no increasing trend over the years. Possible clinical relevance was observed in 75% of the cases. Main sources of exposure were personal care products - rinse-off and leave-on ones, and occupational setting's products - household and hair products. All patients allergic to IPBC had simultaneous positive patch test reactions to other allergens, mostly to other preservatives.

Conclusions: Although uncommon, our data show that possibly relevant cases of ACD from IPBC occur. The main sources of exposure are cosmetics and personal care products, and also occupational setting's products. Since frequency of positive reactions to IPBC remains low we suggest its inclusion in the cosmetic series or in occupational cases, as it is not cost-effective in the baseline series.

