



CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

PATCH TESTING IN TOPICAL STEROID DEPENDENT FACE

Rikta Mohan⁽¹⁾ - Pratik Gahalaut⁽¹⁾

Sri Ram Murti Smarak Institute Of Medical Sciences, Dermatology, Bareilly, India⁽¹⁾

Introduction: Topical Corticosteroids (TCs) may act as allergens and produce delayed hypersensitivity reactions. Topical steroid allergy should be studied by patch testing, which may be useful to distinguish patients of topical steroid dependant face (TSDF) from those having an allergy to topical corticosteroids.

Objective: To identify contact allergens sensitivity in patients having a topical steroid dependent face.

Material and methods: 53 patients, clinically diagnosed with TSDF, between February and October 2016 were subjected to patch testing using the Indian standard series, Indian cosmetic series, Betamethasone valerate(0.1%) and clobetasol propionate(0.05%) from the European cosmetic series and particular brand formulations used by the patient.

Results : Total patients-53(males-15 (28.3%), females-38(71.7%), with mean age(in years)- 29.00 ± 8.69 years(range-12-45). Total number of patients who showed an allergic reaction on patch testing -24(45.3%). Total number of patients who showed positivity to suspected TCs-0(0%).Patients who were allergic to cetrimide-6(11.3%), those allergic to phenyl salicylate and thiomersal each were- 4(7.5%), those allergic to polyethylene sorbitanmonooleate, jasmine, musk and nickel sulphate each were-3 (5.6%), those allergic to allergic to imidazolidine urea and isopropyl myrisate each were-2 (3.7%), and those allergic to paraben, cobalt, fragrance mix, nitrofurazone, Vaseline, chloroacetamide, tween 80, cetylalcohol2(2-hydr-5methyl-benzotriazole), lavender, rose oil and hexamidine each were-1(1.9%).Out of the 24 positive patch test patients, 32% patients showed a possible result, 68% patients had a probable result and none of the patients showed a certain result.

Conclusion: Patch testing with corticosteroids is not essential in patients of TSDF, however, patch testing with Indian standard series and Cosmetic series should be carried out in such patients.More number of studies should be carried out in order to ascertain contact sensitivity to TCs in patients of TSDF.

