

MEETING ABSTRACT

Open Access

Allergic diseases of the skin and drug allergies – 2024. Autoserum therapy in autologous serum skin test positive patients of chronic spontaneous urticaria

Nidhi Sharma

From 2nd WAO International Scientific Conference (WISC 2012)
Hyderabad, India. 6-9 December 2012

Background

Chronic spontaneous urticaria (CSU) patients demonstrate functional autoantibodies against high affinity receptors of IgE (FcεR1). Autologous serum skin test (ASST) is mostly used in chronic spontaneous urticaria to show its auto-reactivity. ASST positive patients represent a severe group which can be benefited from autoserum therapy (AST). So, aim of our study is to evaluate the efficacy of autoserum therapy in ASST positive patients.

Methods

AST was performed on 20 ASST positive patients (M:F = 12:8; age range = 19 - 45 years; duration of the disease = 6 months to 5 years). ASST was done by injecting patients own serum and normal saline as control in a dose of 0.05 ml and readings were taken after 30 minutes. A wheal and flare response of more than 1.5 mm diameter was considered as positive. ASST positive patients were given autoserum therapy in a dose of 0.05 ml/kg intramuscularly once a week for 9 weeks. To evaluate the response we studied urticaria activity score (UAS), dermatology life quality index (DLQI) and disease severity by the no. of antihistamines used.

Results

We found that out of 20 ASST positive patients 9 patients had significant response in terms of decrease UAS and antihistamines used with improvement in DLQI, 6 patients had moderate response and 5 patients had poor response.

Conclusions

Autoserum therapy is effective in significant no. of ASST positive patients.

Published: 23 April 2013

doi:10.1186/1939-4551-6-S1-P111

Cite this article as: Sharma: Allergic diseases of the skin and drug allergies – 2024. Autoserum therapy in autologous serum skin test positive patients of chronic spontaneous urticaria. *World Allergy Organization Journal* 2013 **6**(Suppl 1):P111.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



Department of Dermatology and Venereology, Dr D. Y Patil Medical College and Hospital, Mumbai, India



© 2013 Sharma; licensee BioMed Central Ltd. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/2.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.