

MEETING ABSTRACT

Open Access

Allergic diseases of the skin and drug allergies – 2031. Effectiveness of autologous serum therapy in patients of chronic urticaria: a randomized, single-blind, controlled trial

Panchami Debbarman

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

Background

Chronic urticaria (CU) is a vexing problem to clinicians and patients alike. Search for newer modalities which can reduce pill burden is a felt need. The scope of Autologous serum therapy (AST) thus needs evaluation.

Methods

Patient blind, parallel group, randomised, controlled study of two study arm. 54 patients were given AST (GroupA) and control group of 57 patients given injection normal saline (placebo) (GroupB). AST/Placebo was given every week for 9 weeks and then followed-up for another 3 weeks. Levocetirizine was advised to be taken SOS in both groups. AU was diagnosed by autologous serum skin test. Urticaria total severity score (TSS) and Bengali version of Dermatologic life quality index (DLQI) was used as primary efficacy variable. Mann-Whitney U test and Freidman's ANOVA followed by post hoc Dunn's test was used for analysis.

Results

TSS was comparable ($p>0.05$) at baseline in Group A (17.74 ± 0.44) and Group B (17.31 ± 0.66). TSS showed significant improvement ($p<0.001$) from baseline 7th week (12.56 ± 2.24) onwards in group A and 8th week (13.29 ± 1.80) onwards in group B which continued till end-of-treatment visit. Between group comparison showed significant improvement ($p<0.001$) 4th week onwards which persisted till 12th week. DLQI showed significant improvement ($p=0.006$) in Group A than Group B at the end of

study. Both AU and non-AU patients showed comparable ($p>0.05$) improvement of TSS.

Conclusions

AST shows promise in treatment of urticaria regardless of the autoimmune nature.

Published: 23 April 2013

doi:10.1186/1939-4551-6-S1-P117

Cite this article as: Debbarman: Allergic diseases of the skin and drug allergies – 2031. Effectiveness of autologous serum therapy in patients of chronic urticaria: a randomized, single-blind, controlled trial. *World Allergy Organization Journal* 2013 **6**(Suppl 1):P117.

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, Medical College, Kolkata, Kolkata, India



© 2013 Debbarman; 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.