ABSTRACT BOOK ABSTRACTS



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INFLAMMATORY SKIN DISEASES (OTHER THAN ATOPIC DERMATITIS & PSORIASIS)

AUTOIMMUNE MARKERS AND CHEMOKINE EXPRESSION IN PATIENTS WITH VITILIGO

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Introduction: Vitiligo is a common dermatological condition defined as the occurrence of disfiguring depigmented skin macules. Our aim was to select the most specific vitiligous autoimmune indicators relating vitiligo activity.

Patients and Methods: This study enrolled 20 patients with non-segmental vitiligo and 20 controls. We assessed the vitiligo area severity index (VASI). Globulins were determined by capillary electrophoresis on Konélab 20i [™]. Immunoglobulin (IgG, IgA, IgM and IgE) levels were determined by immunonephelometric assay with Human commercial kits (Peprotech, France). C3 and C4 concentrations were determined by nephelometry technique. CXCL9 and CXCL10 were measured using ELISA by Human Chemokine kits (Peprotech, France). Interleukins IL-1beta and IL-6 were assayed using commercial ELISA kits.

Results: Globulins alpha1, alpha2, beta1, beta 2, D-dimere, IgM, IL-6, CXCL9 and CXCL10 were significantly higher in vitiligo patients compared to controls. However, IgG, IgA, C3 and C4 were significantly lower in vitiligo patients compared to controls. Active vitiligo patients were marked by more disturbed humoral and cellular immunity than quiescent vitiligo patients. Pearson analysis revealed positive correlations firstly, between CXCL-10 and IL-6 secondly, between VASI score and CXCL-10.

Conclusion: Our study emphasizes the involvement of the autoimmune theory and sets up the value of serum markers in vitiligo activity.

Keywords: Vitiligo, autoimmunity, complement, cytokines.





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