Chronic spontaneous urticaria and autoimmunity

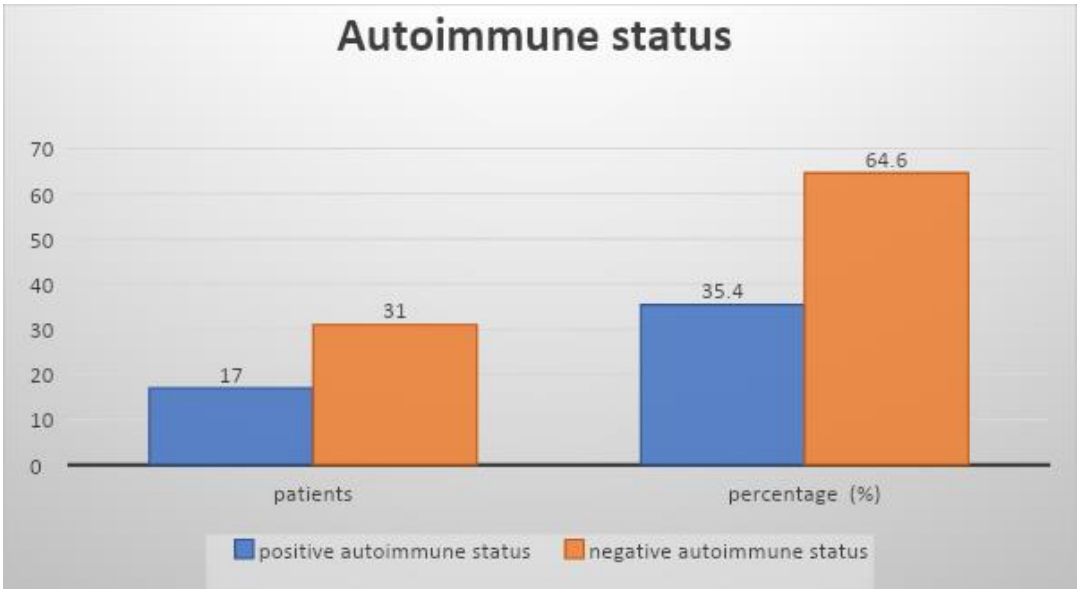
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Statement of the Problem: Chronic spontaneous urticaria (CSU) is a mast cell-driven skin disease characterized by the recurrence of transient wheals, angioedema, or both for more than 6 weeks. Autoimmunity is thought to be one of the most frequent causes of CSU. The purpose of this study is to investigate possible correlations between clinical and biological markers and their associations with autoimmunity. Methodology & Theoretical Orientation: This study assessed 230 patients with CSU and 130 healthy subjects. Autoimmune status was inferred in the case of a personal history of concomitant autoimmune disease or in the presence of at least one type of: anti- thyroid peroxidase (Anti-TPO), anti-nuclear antibodies (ANA) and rheumatoid factor (RF). Broad clinical and biological analysis was performed. Findings: In this study 40.28% of patients were considered as having a positive autoimmune status, a concomitant autoimmune disease was present in 75.17 % of patients, mainly thyroiditis (39,31%), Vitiligo (13.79%), Arthritis Rheumatica (9.66%), allergic asthma (61.38%); positive autologous skin serum test (ASST) (86.9%); predominantly present Anti -TPO (p=0.000001); RF (p=0.0098), ANA (28.7%); D-dimer (84.14%, p=0.0085); and low IgE serum levels (11.72%). Conclusion & Significance: In this prospective study, we found a relatively high incidence of concomitant autoimmune disease, autoantibodies and positive ASST, which brings additional evidence over the connection between HSU and autoimmunity.

Key words: Chronic spontaneous urticaria; autoimmunity; autologous skin serum test.

Image



Recent Publications (minimum 5)

1. Trajkova, Vesna and Velickova, Nevenka and Breshkovska, Hristina (2022) *ASST and autoimmunity in patients with chronic spontaneous urticaria.* Medicus, International Journal of Medical Sciences of the Association of the Albanian Doctors from Macedonia, 27 (1). pp. 32-38. ISSN 1409-6366
2. Trajkova, Vesna and Velickova, Nevenka and Breshkovska, Hristina (2021) *Improvement of Chronic Spontaneous Urticaria with Levothyroxine and Autohemotherapy (A case report).* Medicus, 26 (2). pp. 257-260. ISSN 1409-6366
3. Trajkova, Vesna and Dimitrovska, Irena and Breshkovska, Hristina and Tusheva, Ivana and Ruzhdi,Rexhepi (2021) *Candida intertrigo in a patient on ICU positive to Covid-19.* Medicus, International Journal of Medical Sciences of the Association of the Albanian Doctors from Macedonia, 26 (1). pp. 89-91. ISSN 1409-6366
4. Breshkovska Hristina, Trajkova Vesna and all.,(2020) *Martorell's ulcer- Therapeutic approach.*, Mac. Med. Preview, 2020; 74 (1). pp. 56-59, ISSN: 0025-1097
5. Elena Hadzieva, Vesna Trajkova and all., (2016) *Is the Fractal Dimension of the Contour-lines a Reliable Tool for Classification of Medical Images.*, MATEC Web of Conferences 76(3):05002 January 2016, DOI:10.1051/matecconf/20167605002

Photograph



Biography (150 word limit)

Dr. Vesna Trajkova, Born February 1981 is a specialist in dermatology for the past 12 years, working in General City Hospital "8mi Septemvri", Skopje, North Macedonia. She has finished her Medical Degree in Medical University in Plovdiv, Bulgaria. Becomes specialist in dermatology and holds MSc degree in dermatology from the University " Sv. Kiril I Metodij", Skopje, North Macedonia and now is in final stages of her PhD studies in dermatology in University " Goce Delchev" Shtip, North Macedonia. She holds special interest and 12 years of working experience in Chronic Spontaneous Urticaria, Phlebology and Dermatoskopy. She is an author of more than 20 papers, member of EADV, Balkan Dermatoscopy Society, Balkan Wound healing Society. She has been invited speaker in many dermatology sessions.

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Notes/Comments: