IgE is 2681U/ml. Specific IgE to Tomato-0.02, Strawberry-0.01, Kiwi fruit-0.03, Peanut-1.25, Hazelnut-0.97, Orange-0.87, Latex-1.18,Birch pollen-1.15. Thyroid function test, MRI brain were normal. Investigations performed for Wilson’s disease, which were unremarkable. Coeliac screen was normal. Hereditary angioedema scree is normal There was no record of basal serum tryptase level.

**Treatment** Initial diagnosis of idiopathic anaphylaxis made. Later with new neurological and eye symptoms, diagnosis of mast cell activation syndrome suspected, and he was started on trial of oral sodium cromoglicate capsules.

In next clinic follow up, his symptoms were completely resolved and feedback from school was excellent in terms of concentration.

**Discussion** Symptoms of allergic disorders are very wide. Mast cell activation syndrome especially with multisystem involvement should be a differential to Idiopathic Anaphylaxis.

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**OMALIZUMAB FOR CHRONIC URTICARIA IN A PATIENT YOUNGER THAN 12 YEARS – CASE REPORT**

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Urticaria is common condition in children and most cases are acute and self-limiting. Chronic urticaria in children is rare and defined with daily/almost daily presence of symptoms lasting for at least six weeks. It has two forms, chronic spontaneous urticaria (CSU) and chronic inducible urticaria.

CSU is usually considered as a disease of unknown origin but in some children an underlining autoimmune mechanism or atopic disease may be present.

Current treatment guidelines recommend elimination of revealed trigger factors, second generation H1-antihistamines and in unresponsive patients, ciclosporin or omalizumab (anti-IgE antibody).

Data about effectiveness and safety of omalizumab treatment in paediatric population are limited.

We present a 9-year-old girl with CSU who was successfully treated with omalizumab.

A 9-year-old girl presented with urticaria and angioedema of the eyelids lasting for 4 months. She was treated with H1-antihistamines without success. Her mother reported sun exposure, exercise, egg and milk consumption as trigger factors. Laboratory investigations including inflammatory markers, complete blood count, general biochemistry, immunoglobulin levels and protein electrophoresis were normal. Total IgE level was 15.9 kIU/L and specific IgE for milk and egg was negative. Thyroid function tests were pathologic, antithyroid antibodies were increased but not requiring substitute levothyroxine therapy. Thyroid ultrasound showed diffusely enlarged thyroid gland with a heterogeneous echotexture. She also had homogenous pattern of antinuclear antibodies on indirect immunofluorescence without other symptoms/signs of a rheumatologic disease.

Initial weekly Urticaria Activity Score (UAS7) was 28-30. Therapy with H1-antihistamines was continued with the fourfold increase in dosage without success. She also received systemic corticosteroids in acute flares. Further investigations revealed negative autologous serum skin test and positive basophil activation test. Due to unresponsiveness to H1-antihistamines, almost daily need for systemic corticosteroids and high UAS7, treatment with omalizumab was initiated. The therapy was started with 150 mg subcutaneously (s.c.) every 4 weeks for 3 months. There was no expected improvement after four doses and her UAS7 was 30-36, the dose was increased to 300 mg s.c.

After two doses disease activity reduced and UAS7 was 14. Simultaneously, further impairment in thyroid function tests was observed and levothyroxine therapy was started. Omalizumab therapy lasted for 12 months without side-effects and with significant reduction in disease activity and UAS7, and with improvement in overall quality of life of the patient and her family.