

**Abstract N°: 7337****Acneiform eruption induced by vedolizumab - a case report**

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Introduction & Objectives: Medications can cause various skin changes. The development of biological therapy for the treatment of inflammatory, oncological and autoimmune diseases carries with it the risk of new side effects. Vedolizumab is a humanized monoclonal antibody that blocking integrin specific to the T helper Ly destined for the gastrointestinal tract, for the treatment of ulcerative colitis and Crohn's disease. Paradoxically, acne can be triggered or worsened by the use of vedolizumab. We present a patient with changes on the skin of the face, neck and chest in the form of erythematous papules, pustules, some covered with yellowish crusts induced by vedolizumab.

Materials & Methods: A 26-year-old man was referred to a dermatologist because of changes on the skin of the face, neck and chest in the form of erythematous papules, pustules, covered in places with yellowish crusts. The patient suffers from ulcerative colitis and is currently on biological therapy with vedolizumab for 9 months, before that he received infliximab and adalimumab.

Results: During the dermatological examination, the presence of facial erythema, papules and a large number of pustules on the skin of the face, neck and chest covered with yellowish crusts was observed. The patient suffers from ulcerative colitis on biological therapy with vedolizumab, which he receives according to the protocol once a month for the past 9 months. Skin changes appeared 5-6 months after starting the therapy. He was treated under the diagnosis of acne with systemic (tbl. Azithromycin 500mg) and local (sol. Erythromycin 2%) antibiotic therapy for 10 days. Due to the appearance of acneiform changes on the patient's skin, the biological drug was discontinued. The applied therapy leads to a gradual withdrawal of the changes.

Conclusion: Adverse reactions on the skin can occur when using different drugs. Drug-induced or aggravated acne occurs less frequently. Drug-induced or aggravated acne can often be a challenge. As new drugs appear, it is necessary to take a good medical history in order to record possible side effects and timely discontinuation of the drug.

