



ACNE, ROSACEA, AND RELATED DISORDERS (INCLUDING HIDRADENITIS SUPPURATIVA)

## GRANULOMATOUS ROSACEA- A PARADOXICAL ADVERSE EFFECT OF ETANERCEPTUM- CASE REPORT

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Background: Granulomatous rosacea is a variant of rosacea that may present similar to other granulomatous diseases. We report a case of a 41-year female, who was diagnosed, three years ago, with psoriatic arthritis. Multiple treatments were recommended, but, the patient could not tolerate them. Because of this, the biologic therapy with Etanerceptum was initiated. One year later, she presented in our clinic with a papulo-erythematosus facial eruption, accompanied by pruritus. To differentiate the granulomatous rosacea from lupus erythematosus, the two diseases that we suspected, the specific antibodies for lupus were dosed, which were negative. We also performed a biopsy with a histopathological examination, which established the final diagnosis: granulomatous rosacea. The patient started the treatment with systemic double therapy and local therapy, with favorable evolution. It was not necessary to stop the treatment with Etanerceptum.

Observation: The appearance of granulomatous rosacea during the treatment with Etanerceptum is a paradoxical reaction. However, some explanations exist: the immunosuppressive effect of the biological therapy which can favor the mediation of the infectious agents in development of the granuloma; involvement of other cytokines with a crucial role in formation of the granuloma; Etanerceptum does not inhibit all the signaling paths of the tumor necrosis factor  $\alpha$ , so, by partial neutralization, this cytokine redistributes in tissues with lower concentration.

Key message: This kind of paradoxical reactions of Etanerceptum can be easily managed, and the patient does not have to stop the biological therapy.

