

# A CLINICAL CASE OF SUCCESSFUL TREATMENT OF SEVERE ATOPIC DERMATITIS COMPLICATED BY SENSITIZATION TO *CANDIDA ALBICANS*

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**Abstract. Objective:** to analyze a clinical case of severe atopic dermatitis associated with sensitization to *Candida albicans* according to component-resolved allergy diagnostics.

**Materials and methods.** Analysis of the patient's medical history, as well as clinical, laboratory, and functional test results.

**Results.** A patient with a history of perennial allergic rhinitis with seasonal exacerbations reported a marked deterioration in skin condition and exacerbation of atopic dermatitis after prolonged residence in a damp environment with visible mold contamination. The disease was refractory to antihistamines and emollients. Component-resolved allergy diagnostics using the ImmunoCAP ISAC platform revealed sensitization to pollen allergens (birch, olive), animal allergens (cat, dog), and mold allergens (*Alternaria* and *Aspergillus*). Considering the high cross-reactivity of mold enolases with fungal microflora, additional testing for specific IgE to *Candida albicans* extract using the ImmunoCAP method was performed, which confirmed sensitization to *Candida albicans*. Following comprehensive treatment, including antifungal therapy, remission of atopic dermatitis was achieved.

**Conclusions:** Sensitization to *Candida albicans* may contribute to severe exacerbation of atopic dermatitis. Measurement of specific IgE to *Candida albicans* can be useful for selecting appropriate therapeutic strategies in patients with atopic dermatitis.

**Key words:** component-resolved diagnostics, ImmunoCAP method, *Candida albicans*, hypersensitivity, allergic rhinitis, atopic dermatitis.

**Декларація етики.** Під час збору, аналізу та оприлюднення даних забезпечено конфіденційність пацієнтів, які надали добровільну письмову згоду на використання їх даних у науковій публікації.

**Конфлікт інтересів.** Авторка заявляє про відсутність конфлікту інтересів.

**Джерела фінансування.** Відсутні.

**Ethics Declaration.** During the collection, analysis, and publication of data, the confidentiality of patients who provided voluntary written consent to the use of their data in a scientific publication was ensured.

**Conflict of interests.** The author declare no conflict of interests.

**Funding.** The work was not funded.