

## DEPARTMENT OF ALLERGOLOGY AND CHILDREN'S INTERNAL - CLINICAL DEPARTMENT OF CHILDREN'S INTERNAL AND ALLERGOLOGY

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The Clinical Department of Children's Internal Medicine and Allergology of the dr J. Korczak Pediatric Site in Lodz conducts diagnostics and treatment of childhood diseases, in particular:

1. **allergic diseases**, including atopic dermatitis, allergic rhinitis, bronchial asthma, mastocytosis, anaphylactic shock, urticaria, adverse allergic reactions, drug allergies, allergies to hymenoptera venoms;
2. **Immune disorders**, including humoral, cellular, and phagocytic immunodeficiencies, as well as disorders of the complement system;
3. **cystic fibrosis** - a genetic multi-organ disease, including the sweat test in children using two methods: the classic pilocarpine iontophoresis according to Gibson Cook and the conductometric method with the Nanoduct. In order to identify CFTR gene mutations, patients are referred to the Genetic Research Laboratory;
4. **respiratory diseases**, including pneumonia, bronchiolitis, bronchial asthma and other acute, recurrent and chronic respiratory diseases. Diagnostic tests: transthoracic ultrasound of the lungs, testing the level of nitric oxide in exhaled air, functional tests of the respiratory system, including spirometry, reversibility test, bodyplethysmography, oscillometry, airway resistance testing.

There are outpatient clinics operating at the Ward, enabling continuation of diagnostics and treatment in outpatient settings. These are: Allergology, Immune Deficiency, Pulmonology and Cystic Fibrosis Treatment Clinics.

Hospitalization benefits are provided for children from 5 weeks of age to 18 years of age on the basis of hospital referral.

The research teams of dr n.med. Agnieszka Brzozowska and dr hab. n. med. Joanna Jerzyńska have been conducting clinical trials in all the above indications for many years.