

# NEW APPROACHES IN EVALUATION OF MUCOCILIARY CLEARANCE IN PATIENTS WITH BRONCHOPULMONARY DISEASES

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## *Summary*

Mucociliary clearance is the most important protective mechanism of respiratory system. Its disorders have considerable role in bronchopulmonary diseases. That's why timely diagnostics of these disorders is crucial for rational correction and prevention of irreversible changes in respiratory system.

There are a lot of methods of testing of mucociliary clearance in vitro and in vivo. Most of them can't be used in practice because of difficult realization and interpretation of the results, harmful influence on patients' health. This induced the search and elaboration of optimal method of testing. As a basis we chose a method of elimination of inhaled marker (haemoglobin, isolated from examinees' blood). Since this method had a lot of limitation, it was modified and tested in different patients with various bronchopulmonary diseases.