(12) **ABSTRACT OF INVENTION**

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(54) NONINVASIVE METHOD FOR SETTING DIAGNOSIS OF SENSIBILIZATION TO CHEMICAL COMPOUNDS

(57) Abstract:

FIELD: medicine. SUBSTANCE: method involves determining parameters of organism material under study using diagnostic methods, determining significant characteristic features, analyzing them as their ratios to control values with following sensibilization being diagnosed. Nasal mucosa secret is used as material under study. The nasal mucosa is to be pretreated with chemotoxin and then experimental nitrocellulose substrate is placed over the mucosa of one of the nasal cavity halves with allergen adsorbed on it. Control nitrocellulose substrate is placed over the mucosa of the other nasal cavity halves with no allergen adsorbed on it. After being held, both nitrocellulose substrates are placed into physiological salt solution, incubated and removing substrates from experimental and control solutions. Histamine contents and/or immunoglobulin E (IgE) is determined in these solutions. The values being 1.5 times and more higher in the experimental sample with respect to the control one in the case of Histamine and in control sample with respect to the experimental one in the case of IgE, organism sensibilization to the given allergen is diagnosed. EFFECT: high accuracy and reliability of diagnosis. 1 tbl