

## THE DIFFERENT ASIT COURSES IMPACT ON EXTERNAL RESPIRATION FUNCTION – THE BRONCHIAL ASTHMA PREDICTOR

*E.M. Dytyatkovs'ka*

**Summary.** *The results of different courses quantity of pre-seasonal allergen-specific immunotherapy (ASIT) on external respiration function (ERF) at 158 patients with pollinosis aged from 18 to 58 years old are presented in the article. In the main group of patients receiving ASIT the lungs ventilatory function values ( $FEV_1$  and PEF) were in limits of acceptable standards in 71–85 % of cases and reliably overwhelmed the same values at patients of control group who never received ASIT (45–61 %). There were no differences defined between the ERF values depending on ASIT courses quantity, but the trend to improvement after the 3-d therapy course had been marked. There was not revealed a sufficient dependence between the duration of disease and spirometry values. In general, the study results confirm pre-seasonal ASIT impact on ventilatory ERF maintenance and the bronchial passage impairments minimization at the level of large, medium and small bronchial branches.*

**Key words:** *pollinosis, ASIT, external respiration function, spirometry.*